DRAFT

INITIAL STUDY/
MITIGATED NEGATIVE DECLARATION

FRANKLIN RECREATION CENTER PARK IMPROVEMENTS PROJECT

VALLEJO, CALIFORNIA



LSA

May 2026

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FRANKLIN RECREATION CENTER PARK IMPROVEMENTS PROJECT

VALLEJO, CALIFORNIA

Submitted to:

Greater Vallejo Recreation District
395 Amador Street
Vallejo, California 94590

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May 2026

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LIST OF ABBREVIATIONS AND ACRONYMS

µg/m^3	micrograms per cubic meter
AAQS	ambient air quality standards
AB	Assembly Bill
AFY	acre-feet per year
Air District	Bay Area Air District
APN	Assessor's Parcel Number
BART	Bay Area Rapid Transit
Basin Plan	Water Quality Control Plan
bgs	below ground surface
BMP	Best Management Practice
CalEEMod	California Emissions Estimator Model
CAL FIRE	California Department of Forestry and Fire Protection
CALGreen	California Green Building Standards Code
Cal/OSHA	California Occupational Safety and Health Administration
California Register	California Register of Historical Resources
Caltrans	California Department of Transportation
Caltrans Manual	*Transportation and Construction Vibration Guidance Manual*
CARB	California Air Resources Board
CBC	California Building Code
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act

CGS	California Geological Survey
City	City of Vallejo
Clean Air Plan	Bay Area 2017 Clean Air Plan
CNDDB	California Natural Diversity Database
CNEL	community noise equivalent level
CNPS	California Native Plant Society
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalents
Construction General Permit	NPDES General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities (Order No. 2022-0057-DWQ, National Pollutant Discharge Elimination System No. CAS000002)
CWA	Clean Water Act
dB	decibel(s)
dBA	A-weighted decibel(s)
DCV	design capture volume
DOC	California Department of Conservation
DPM	diesel exhaust particulate matter
DSA	Division of the State Architect
DWR	California Department of Water Resources
EFZ	Earthquake Fault Zones
EOP	Emergency Operations Plan
EV	electrical vehicle
FAR	floor area ratio
FEMA	Federal Emergency Management Agency

FESA	federal Endangered Species Act
FIRM	Flood Insurance Rate Map
General Plan	*Propel Vallejo General Plan 2040*
General Waste Discharge Permit	General Waste Discharge Requirements for Limited Threat Discharges to Surface Waters
GHG	greenhouse gas
gpy	gallons of water per year
Groundwater Discharge Permit	*Waste Discharge Requirements (WDR) Permit for Discharges to Surface Waters That Pose an Insignificant (De Minimus) Threat to Water Quality*
GSA	Groundwater Sustainability Agency
GVRD	Greater Vallejo Recreation District
GWh	gigawatt-hours
GWP	Global Warming Potential
HFCs	hydrofluorocarbons
HFHSZ	High Fire Hazard Severity Zone
I-	Interstate
in/sec	inch(es) per second
IPaC	Information for Planning and Consultation
IS/MND	Initial Study/Mitigated Negative Declaration
ITE	Institute of Transportation Engineers
kg	kilograms
kWh	kilowatt-hours
lbs	pounds
L_{dn}	day-night average level
L_{eq}	equivalent continuous sound level

L_{max}	maximum instantaneous noise level
LID	Low Impact Development
LOS	level(s) of service
LRA	Local Responsibility Area
LUST	Leaking Underground Storage Tank
Master Plan	*GVRD 10-Year Comprehensive Parks and Recreation Master Plan*
MBTA	Migratory Bird Treaty Act
MEI	maximally exposed individual
MFHSZ	Moderate Fire Hazard Severity Zone
mpg	miles per gallon
MLD	Most Likely Descendant
MMI	Modified Mercalli Intensity
MRP	Municipal Regional Stormwater NPDES Permit
MRZ	Mineral Resource Zone
MT	metric tons
MUTCD	*California Manual on Uniform Traffic Control Devices*
N_2O	nitrous oxide
NAHC	Native American Heritage Commission
NFHS	National Federation of State High School Associations
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NWIC	Northwest Information Center
OGALS	Office of Grants and Local Services

OPR	Governor's Office of Planning Research
OSHA	Occupational Safety and Health Administration
PF	Public Facilities and Institutions
PFCs	perfluorocarbons
PG&E	Pacific Gas and Electric Company
POTWs	Publicly Owned Treatment Works
PPV	peak particle velocity
PRC	Public Resources Code
PRD	Permit Registration Document
project	Franklin Recreation Center Park Improvements Project
PS	Public and Semi-Public
RMS	root-mean-square
ROGs	reactive organic gases
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCP	Stormwater Control Plan
SDSs	Safety Data Sheets
SF_6	sulfur hexafluoride
SGMA	Sustainable Groundwater Management Act
SLF	Sacred Lands File
SMGB	California State Mining and Geology Board
SO_2	sulfur dioxide
Solano Permittees	Solano Stormwater Alliance
SQG	small-quantity generator
SMARTs	Stormwater Multiple Application and Report Tracking System

SR-	State Route
SRA	State Responsibility Area
SWPPP	Stormwater Pollution and Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TMDL	Total Maximum Daily Load
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UWMP	Urban Water Management Plan
VCUSD	Vallejo City Unified School District
VFD	Vallejo Fire Department
VFWD	Vallejo Flood and Wastewater District
VHFHSZ	Very High Fire Hazard Severity Zone
VMC	Vallejo Municipal Code
VMT	vehicle miles traveled
VPD	Vallejo Police Department
VTC	Vallejo Transit Center
Water Board	San Francisco Bay Regional Water Quality Control Board
WSCP	Water Shortage Contingency Plan
WDID	Waste Discharge Identification Number

1.0 PROJECT INFORMATION

1. **Project Title:**

   Franklin Recreation Center Park Improvements Project

2. **Lead Agency Name and Address:**

   Greater Vallejo Recreation District
   395 Amador Street
   Vallejo, CA 94590

3. **Contact Person and Phone Number:**

   Chris Andrade, Facilities Maintenance Supervisor
   (707) 648-4632

4. **Project Location:**

   The project site consists of a portion of the former Benjamin Franklin Middle School in the central portion of the city of Vallejo in Solano County, California. The project site is located on a 14.70-acre lot (Assessor's Parcel Number [APN] 0059-084-080) at 501 Starr Avenue, Vallejo, CA 94590.

5. **Project Sponsor's Name and Address:**

   Greater Vallejo Recreation District
   395 Amador Street
   Vallejo, CA 94590

6. **General Plan Designation:**

   Public Facilities and Institutions (PF)

7. **Zoning:**

   Public and Semi-Public (PS)

8. **Description of Project:**

   The Greater Vallejo Recreation District (GVRD) proposes to redevelop existing facilities associated with the former Benjamin Franklin Middle School to create a new park, referred to as the proposed Franklin Recreation Center Park Improvements Project (project). See Section 2.0, Project Description, of this Initial Study/Mitigated Negative Declaration (IS/MND) for a full project description.

9. **Surrounding Land Uses and Setting:**

   The project site is located on a 14.70-acre lot (APN 0059-084-080) at 501 Starr Avenue and is bounded by single-family residential development to the north, former Benjamin Franklin Middle School facilities and the GVRD Sports Gym to the east, Starr Avenue to the south, and

Wallace Avenue to the west. A detailed description of the surrounding land uses and setting is provided in Section 2.0, Project Description.

10. **Other Public Agencies Whose Approval is Required (e.g., permits, financial approval, or participation agreements):**
    - Division of the State Architect (DSA)
    - Office of Grants and Local Services (OGALS)
    - Regional Water Quality Control Board (RWQCB)

11. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resource Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?**

    Native American consultation was conducted pursuant to Public Resources Code section 21080.3.1. On November 17, 2025, the GVRD sent invitations to Native American tribes who had been identified as traditionally or culturally affiliated with the project area and subsequently corresponded with representatives of tribes that were responsive to the invitation. Details regarding the tribal consultation process are provided in Section 4.18, Tribal Cultural Resources.

2.0 PROJECT DESCRIPTION

The following describes the proposed Franklin Recreation Center Park Improvements Project that is the subject of this IS/MND prepared pursuant to the California Environmental Quality Act (CEQA). The proposed project is the redevelopment of existing facilities associated with the former Benjamin Franklin Middle School to create a new park. The GVRD is both the project proponent and the CEQA Lead Agency for the proposed project.

2.1 PROJECT SITE

The following section describes the project location, existing conditions, surrounding land uses, and regulatory setting.

2.1.1 Project Location

The project site consists of a portion of the former Benjamin Franklin Middle School in the central portion of the city of Vallejo in Solano County, California. The project site is located on a 14.70-acre lot (APN 0059-084-080) at 501 Starr Avenue and is bounded by single-family residential development to the north, former Benjamin Franklin Middle School facilities and the GVRD Sports Gym to the east, Starr Avenue to the south, and Wallace Avenue to the west. The project's location and regional vicinity are shown on Figure 2-1, and an aerial photograph of the project site and its surrounding land uses is shown on Figure 2-2.

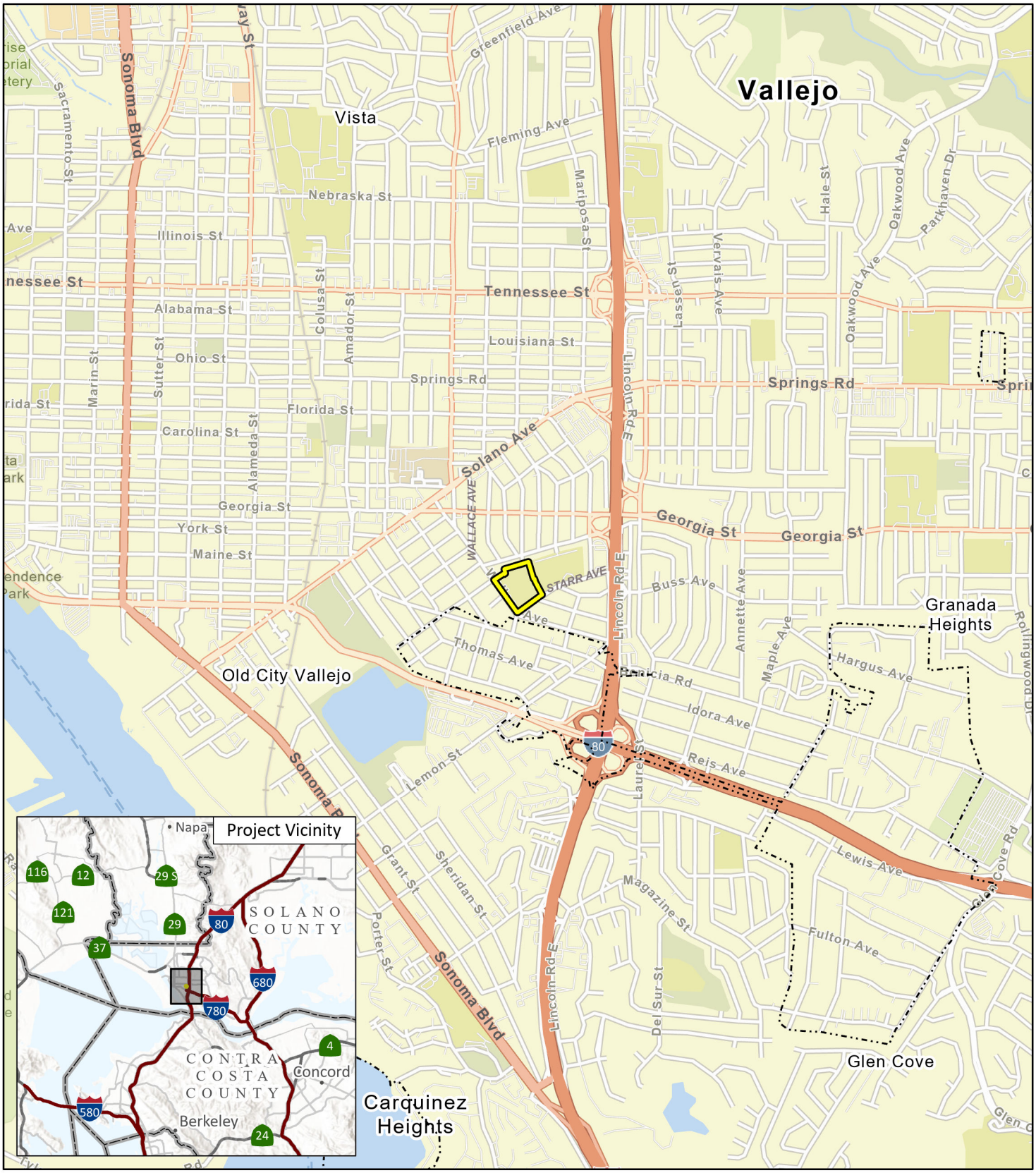
Local access to the project site is provided via Starr Avenue, which connects to Benicia Road south of the site. Regional access to the project site is provided by the Benicia Road on- and off-ramps of Interstate (I-) 80, approximately 1,650 feet to the south. Pedestrian access to and throughout the project site is provided by sidewalks and concrete pathways.

2.1.2 Existing Conditions

The project site was previously developed as Benjamin Frankin Middle School, which opened on July 1, 1980, and closed in June 2020.[1] The project site consists of the western portion of the 14.70-acre parcel, making up the sports fields and turf areas associated with the former middle school. The northeastern corner of the parcel is occupied by two buildings and a surface parking lot used by the Vallejo Police Activities League, a nonprofit organization that provides explorer programs and athletic activities for youth. The GVRD provides recreational facilities, including the GVRD Sports Gym, in the former middle school buildings to the east. While the Sports Gym and former middle school buildings are on the same parcel as the proposed project, these existing facilities would not be modified as part of the proposed project. An existing chain-link fence separates the sports fields and turf areas from the basketball courts and buildings associated with the former middle school. An existing restroom/concession building is located in the southern portion of the project site.

[1] California Department of Education. n.d. California School Directory. Franklin Middle. Website: https://www.cde.ca.gov/schooldirectory/details?cdscode=48705816062129 (accessed September 23, 2025).

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FIGURE 2-1

Franklin Recreation Center Improvements Project

Regional Location and Project Vicinity

SOURCE: Esri World Street Map (2025)

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FIGURE 2-2

Franklin Recreation Center Improvements Project

Aerial Photograph of the Project Site and Surrounding Land Uses

SOURCE: Google Maps (2024)

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Topographically, the site is relatively flat, with an elevation of approximately 50 feet above mean sea level. The eastern side of the project site is bound by an existing chain-link fence that sits upon a small embankment.

2.1.3 Surrounding Land Uses

As shown on Figure 2-2, the project site is bounded by Starr Avenue and single-family and multifamily residential development to the south. The western end of the project site is bounded by Wallace Avenue. Beyond the western boundary are single-family and multifamily residential uses. Immediately north of the project site's boundary are single-family residences. Immediately east of the project site are former middle school facilities and existing GVRD recreation facilities such as the GVRD Sports Gym. Further to the east beyond the former middle school are single-family residential homes, followed by a commercial shopping center and I-80.

2.1.4 Regulatory Setting

The project site is subject to the regulatory framework of the *Propel Vallejo General Plan 2040*[2] (General Plan), adopted in 2017, and the City of Vallejo (City) Zoning Code, as outlined in Title 16 of the Vallejo Municipal Code (VMC).[3] The project site is designated Public Facilities and Institutions (PF) in the General Plan[4] and is zoned Public and Semi-Public (PS).[5]

The Public Facilities and Institutions (PF) designation provides for facilities that serve the good of the community, including fire and police stations, government buildings, health and social service clinics, hospitals, libraries, schools, educational institutions, and transit stations, as well as churches, community centers, and community-serving recreational facilities. Co-location of multiple public facilities on a single site is encouraged when it increases access to community services while providing cost savings and other benefits to service providers. The maximum permitted floor area ratio (FAR) in the PF designation ranges from 0.1 to 1.0, determined on a case-by-case basis in consideration of the neighborhood context.[6]

The Semi-Public (PS) Zoning District provides land for development of public, cultural, and institutional uses that provide services to the community and is intended to regulate areas that

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2 City of Vallejo. 2017. *Propel Vallejo General Plan 2040.* August 29. Website: https://www.cityofvallejo.net/common/pages/DisplayFile.aspx?itemId=17961496 (accessed September 23, 2025).

3 City of Vallejo. 2025. City of Vallejo Municipal Code, Title 16. Website: https://library.municode.com/ca/vallejo/codes/municipal_code?nodeId=TIT16ZO (accessed September 23, 2025).

4 City of Vallejo. 2025. *City of Vallejo General Plan 2040 Land Use Map.* April 25. Website: https://www.cityofvallejo.net/common/pages/DisplayFile.aspx?itemId=17961494 (accessed September 23, 2025).

5 City of Vallejo. n.d. Zoning Map, City of Vallejo. Website: https://covit.maps.arcgis.com/apps/View/index.html?appid=7638bbc2a29d4c4387366372429f6daa&extent=-122.3063,38.0807,-122.2239,38.1134 (accessed September 23, 2025).

6 City of Vallejo. 2017. *Vallejo General Plan 2040 Land Use Designations.* August 29. Website: https://www.cityofvallejo.net/common/pages/DisplayFile.aspx?itemId=17961492.

provide governmental and quasi-governmental services and supportive services. Public parks and recreation facilities are permitted uses in the PS Zoning District.[7]

2.2 PROJECT BACKGROUND AND OBJECTIVES

Vallejo residents have access to various parks and open spaces within the greater region. Parks within Vallejo are generally operated by the GVRD on land owned by the City or GVRD. According to the City's General Plan, the distribution throughout the city is relatively balanced. Most residents live within a 0.5-mile walk of a park or school facility.

The existing Franklin Recreation Center Park is located in central Vallejo, adjacent to the former Benjamin Franklin Middle School. The former middle school closed in 2020 due to declining enrollment. Following its closure, the GVRD signed a 30-year lease agreement with the Vallejo City Unified School District (VCUSD) for use of the gymnasium and fields.

In 2022, the *GVRD 10-Year Comprehensive Parks and Recreation Master Plan* (Master Plan) identified priority action items and recommendations from Vallejo residents on the status of recreation facilities in the city and provided by GVRD. Key issues focused on the maintenance, safety, and accessibility of existing parks. The Master Plan identified Action 5.7.a, which states that the GVRD would "Continue feasibility studies for the Franklin Community Center recreation and sports facility."[8] Residents shared concerns regarding the Franklin Middle School site and the GVRD's need to replace the Sports Complex and provide additional programs at this site.

In 2023, the GVRD was awarded a California State Parks grant funded by Proposition 68 for improvements to the former Benjamin Franklin Middle School. The grant is part of the Statewide Park Development and Community Revitalization Program and is designed to provide funding for underserved communities. After several public workshops were held in 2020 and 2021, the GVRD provided a design concept for the park consisting of turf fields, basketball courts, pickleball courts, a picnic plaza area, and the addition of parking, lighting, security, and pathways throughout the park.

The Franklin Recreation Center Park Improvements Project aims to implement improvements based on local community engagement and residents' needs. The project would support the objectives of the Master Plan and improve park experiences in the city.

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7 City of Vallejo. 2025. City of Vallejo Municipal Code Title 16. Part III – Use Standards Table. Website: https://library.municode.com/ca/vallejo/codes/municipal_code?nodeId=TIT16ZO (accessed September 23, 2025).

8 Greater Vallejo Recreation District. 2022. *10-Year Comprehensive Parks and Recreation Master Plan.* Page 169. Website: https://www.gvrd.org/10-year-master-plan#docaccess-23ab0c18e7642eb2af85c56bdf0dc5101326502b2ba6d0e8bdb458bafba572a6 (accessed September 25, 2025).

2.3 PROPOSED PROJECT

The GVRD proposes to renovate and enhance Franklin Recreation Center Park, which consists of the former Franklin Middle School property. The proposed project would include construction of new park facilities and associated improvements (e.g., parking, landscaping, utilities, stormwater), as further detailed below and shown on Figure 2-3.

2.3.1 Proposed Park Facilities

Several key additions and enhancements are proposed to create a vibrant and inclusive community space at the Franklin Recreation Center Park. Proposed facilities would include:

- **Outdoor Basketball Courts:** Two 6,240-square-foot outdoor basketball courts would be provided in the southwestern portion of the project site, west of the proposed parking lot. The basketball courts would be surrounded by existing and proposed trees. Two park access points are proposed adjacent to the proposed basketball courts.

- **Pickleball Courts:** Three 1,920-square-foot outdoor pickleball courts would be provided north of the proposed basketball courts. The three pickleball courts would be enclosed with 6-foot-tall chain-link fencing to separate them from other proposed recreational activities on the project site.

- **Play Area:** An approximately 4,800-square-foot play area is proposed in the central portion of the project site, north of the proposed concession/picnic area. The play area would feature a 2-5 play structure (for players between the ages of 2 and 5 years old), a 5-12 play structure (for players between the ages of 5 and 12 years old), and a set of swings for both age groups.

- **Multiuse Synthetic Turf Field:** The multiuse synthetic turf field encompasses the northeastern portion of the project site and would provide a playing area for flag football and soccer in accordance with the National Federation of State High School Associations' (NFHS) official rulebook. The field would provide a 120-foot by 300-foot flag football field and a 195-foot by 330-foot soccer field. Two sets of bleachers and player's benches would be provided on the eastern and southern sides of the field. The synthetic turf field would be enclosed with an 8-foot-tall decorative fence lined with lighting bollards, and three field gates would provide access to the field.

- **Multiuse Natural Turf Field:** The multiuse natural turf field covers the northwestern portion of the project site and would provide space for various organized sports. This natural turf field would provide a 90-foot by 135-foot soccer field suitable for U7/U9 play (for players under 7 and under 9 years old, respectively), and a 120-foot by 180-foot soccer field suitable for U8/U10 play (for players under 8 and under 10 years old, respectively). Lighted bollards are proposed along the perimeter of the natural turf fields as security-level lighting.

- **Concession/Picnic Area:** A concessions and picnic area (approximately 4,000 square feet) is proposed adjacent to the existing restroom/concessions building. The concessions/picnic area would provide seating areas to serve visitors, including picnic tables and bike racks, and snacks for purchase.

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FIGURE 2-3

0 60 120

FEET

SOURCE: CALA, Greater Vallejo Recreation District

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Franklin Recreation Center Improvements Project

Conceptual Site Plan

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2.3.2 Associated Improvements

In addition to the elements described above, the proposed project would result in the construction of related improvements to complement the new recreation areas, including parking, landscaping, lighting, utilities, and stormwater management. These improvements are described below.

2.3.2.1 Parking, Vehicle Access, and Circulation

Parking is currently provided at the existing Franklin Recreation Center Park, consisting of parking stalls located on the former middle school property and street parking along Starr Avenue and Wallace Avenue. Under the proposed project, a new parking lot is proposed at the southern project boundary, adjacent to Starr Avenue. The proposed parking lot would provide 42 parking stalls. In accordance with California Green Building Standards Code (CALGreen) standards, two electrical vehicle (EV) chargers would be provided in the proposed project along with six EV-capable spaces with only conduit infrastructure. A ramp is proposed along the embankment to connect the proposed parking area to the park, providing access for all users. GVRD has identified a location for additional parking east of the project site; however, this future parking area is outside the project boundary and is not part of the proposed project.

Vehicle access to the park would continue to be provided via Starr Avenue. Pedestrian access points are currently provided via openings in the existing chain-link fence that surrounds the existing park. Entrances exist along Starr Avenue, Wallace Avenue, and the northern boundary of the project site, between existing single-family homes at Roney Avenue.

2.3.2.2 Landscaping and Fencing

The vegetation communities on the project site are almost entirely planted or ornamental, including planted trees, grass fields, and patches of ruderal vegetation. As part of the proposed project, ten existing trees would be removed, five of which were recommended for removal due to their poor conditions. The proposed project would include installation of new landscaping, including trees and groundcovers throughout the park. The natural turf grass areas would require typical maintenance, such as fertilizer and irrigation. An automatic irrigation system would be designed to minimize water use and be adapted to weather conditions. Fencing is proposed along the perimeter of the park and around the individual components. Landscaping and fencing would blend with the natural park setting.

2.3.2.3 Lighting

Safety lighting, fixtures, and poles would be installed along pathways and parking lots for security lighting. Lighted bollards (3 feet tall) are proposed along the perimeter of the turf fields and walking paths. Light poles (20 feet tall) are proposed at the parking lot area. Light poles adjacent to the concession and picnic area overlooking the multi-use synthetic turf field would also include cameras for site safety and security.

2.3.2.4 Utilities and Stormwater Management

Proposed park facilities would be served by existing utilities and would connect to existing utilities along Starr Avenue and Wallace Avenue. Stormwater facilities would be provided in accordance with

the City of Vallejo Stormwater Management and Discharge Control requirements outlined in Chapter 12.41 of the VMC.[9] The proposed storm drainage infrastructure would discharge into an existing underground storm drain at the southern edge of the project site. Stormwater treatment is proposed using multiple stormwater treatment areas throughout the proposed field areas, parking lot, and project perimeter. Stormwater treatment areas would consist of grassy swales.

2.3.3 Operation

The proposed project would be open daily to informal use, including picnicking, walking, jogging, and informal sports play. The park hours would be from dawn to sunset. Maintenance activities would be similar to existing conditions and would be performed by existing GVRD staff. Maintenance activities may include mowing, facility cleaning, vegetation management, tree care, and general maintenance of the recreation facilities.

2.3.4 Construction

Construction of the proposed project would commence in fall 2026 and would extend for approximately 8 to 12 months. Due to grant funding of the proposed project, construction of the proposed project must be completed by June 2027. Construction hours would occur during daylight hours, from approximately 8:00 a.m. to 5:00 p.m. daily. Construction staging would occur on the project site in areas not proposed to support planned improvements. Construction workers, equipment, and deliveries would access the site via existing access points from Starr Avenue.

Although the proposed project has been designed to minimize earthmoving or grading construction activities, some cut and fill would be required. Project construction would require cut and fill to accommodate proposed improvements, resulting in a net export of approximately 3,800 cubic yards of soil. It is anticipated that the maximum depth of construction-related excavations would be approximately 5 feet below ground surface for electrical pole footings, 5 feet below ground surface for fence post footings and approximately 9 feet below ground surface for utilities (e.g., storm drain manhole).

2.4 PROJECT APPROVALS

A number of permits and approvals would be required for the proposed project. While the GVRD is the Lead Agency for the project, other agencies also have discretionary authority related to the project and approvals. A list of these agencies and potential permits and approvals that may be required is provided in Table 2.A, below.

[9] City of Vallejo. 2025. City of Vallejo Municipal Code Title 12. Chapter 12.42 Stormwater Management and Discharge Control. Website: https://library.municode.com/ca/vallejo/codes/municipal_code?nodeId=TIT12BUCO_CH12.41STMADICO&showChanges=true (accessed September 23, 2025).

Table 2.A: Potential Permits and Approvals

Lead Agency	Potential Permits/Approvals
Greater Vallejo Recreation District	● Project approval ● IS/MND adoption
Other Agencies	
State Water Resources Control Board	● Coverage under the Construction General Permit
Regional Water Quality Control Board	● Compliance with the Municipal Regional Permit
Division of the State Architect	● Permit Review and Approval
City of Vallejo	● Permit Review and Approval for Improvements in the public right-of-way

Source: Compiled by LSA (2026).
IS/MND = Initial Study/Mitigated Negative Declaration

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3.0 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist in Section 3.0.

☐ Aesthetics	☐ Agriculture and Forestry Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology/Soils	☐ Greenhouse Gas Emissions	☐ Hazards & Hazardous Materials
☐ Hydrology/Water Quality	☐ Land Use/Planning	☐ Mineral Resources
☐ Noise	☐ Population/Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities/Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

3.1 DETERMINATION

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "Potentially Significant Impact" or "Potentially Significant Unless Mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

5-21-26
Date

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4.0 CEQA ENVIRONMENTAL CHECKLIST

4.1 AESTHETICS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Except as provided in Public Resources Code Section 21099, would the project:				
a. Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway	☐	☐	☐	☒
c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

a. Would the project have a substantial effect on a scenic vista? ***(Less Than Significant Impact)***

A scenic vista is generally defined as a public vantage point with an expansive view of a significant landscape feature. The *Propel Vallejo General Plan* does not designate any scenic vistas; however, it does identify waterways such as the San Pablo Bay, White Slough, Mare Island Strait, Vallejo Waterfront, and hillside areas and mountains such as Sulphur Springs Mountain and the Vaca Mountains as scenic resources.[10] Panoramic views of these resources could be considered scenic vistas.

The project site consists of a portion of the former Benjamin Franklin Middle School in the central portion of the city of Vallejo. The site is relatively flat, and the surrounding area is developed with residential land uses and the former Benjamin Franklin Middle School, allowing for limited views of the surrounding landscape.

None of the visual changes that would result from implementation of the proposed project would have a substantial adverse effect on a scenic vista. The proposed project would renovate and relocate existing park features and construct new turf fields, pickleball courts, basketball courts, a playground area, and a picnic area. Proposed improvements would not include any tall structures or landscaping that would reduce, obstruct, or degrade existing scenic vistas. The proposed project would also include the installation of new landscaping to complement the existing vegetation on the project site.

[10] City of Vallejo. 2016. *Propel Vallejo. General Plan Update and Sonoma Boulevard Specific Plan EIR for the City of Vallejo.* Pg. 4.1-7. July. Website: https://www.cityofvallejo.net/common/pages/GetFile.ashx?key=IRISAczs (accessed September 2025).

During the construction of planned improvements, additional vehicles, workers, and materials coming to and from the site, and site preparation activities would be visible to travelers along adjacent roadways and from adjacent uses. However, construction activities would occur within the existing park and would be intermittent and of relatively short duration.

The proposed project would renovate an existing park and add to the scenic quality of the area by enhancing natural landscape features. As proposed improvements would be at grade or low-standing, impacts to scenic vistas would be less than significant.

b. Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? ***(No Impact)***

No designated State scenic highways are located near the project site. The nearest eligible State Scenic Highway to the project site is State Route (SR-) 37, which is approximately 2.8 miles northwest of the project site.[11] Due to distance, topography, and intervening development, the project site is not visible from this eligible scenic highway. Furthermore, the proposed project would not damage any rock outcroppings or historic buildings, as these resources are not present on the project site. As such, the proposed project would have no impact on scenic resources located within view of a State Scenic Highway.

c. In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality? ***(Less Than Significant Impact)***

As outlined in Section 2.0, Project Description, the proposed project would renovate the existing Franklin Recreation Center Park, which consists of the former Franklin Middle School property. The project site consists of the western portion of the 14.70-acre parcel, making up the sports fields and turf areas associated with the former middle school. The project site is bounded by a chain-link fence and existing trees. Surrounding land uses include residential uses to the north, south, and west, and former Benjamin Franklin Middle School facilities to the east.

The project site is located within an urbanized area. As noted in Section 2.0, Project Description, the project site is designated Public Facilities and Institutions (PF) in the General Plan[12] and is zoned Public and Semi-Public (PS).[13] Development of the proposed project would include the renovation of existing fields to include multiuse turf fields and associated parking improvements. Additional

[11] California Department of Transportation (Caltrans). 2018. Statewide Scenic Highway. Website: https://experience.arcgis.com/experience/47e2009986264718a5a13a2c81382774 (accessed October 30, 2025).

[12] City of Vallejo. 2025. *City of Vallejo General Plan 2040 Land Use Map.* April 25. Website: https://www.cityofvallejo.net/common/pages/DisplayFile.aspx?itemId=17961494 (accessed September 23, 2025).

[13] City of Vallejo. n.d. Zoning Map, City of Vallejo. Website: https://covit.maps.arcgis.com/apps/View/index.html?appid=7638bbc2a29d4c4387366372429f6daa&extent=-122.3063,38.0807,-122.2239,38.1134 (accessed September 23, 2025).

improvements, including walkways, picnic areas, recreation facilities (e.g., pickleball courts, basketball courts, play areas), and landscaping, would be provided and would enhance the visual character of the project site by providing newly renovated facilities.

The PF land use designation refers to public facilities and institutions, including community-serving recreational facilities. The PS zoning district is intended for public, cultural, and institutional uses that provide services to the community and is intended to regulate areas that provide governmental and quasi-governmental services and supportive services. Public parks and recreation facilities are permitted uses in the PS Zoning District. Proposed improvements would be consistent with the development requirements outlined in the City's zoning ordinance. Further, the proposed project is located on property owned by the Vallejo City Unified School District and would be implemented by the GVRD under a long-term lease agreement. Project improvements are subject to review and approval by the DSA, which has jurisdiction over applicable design and construction on school district properties. DSA review ensures compliance with applicable building codes and regulations related to structural integrity, fire and life safety, and accessibility. Compliance with requirements outlined in the VMC and DSA review would preserve and enhance the desired character of the existing surrounding residential neighborhoods. Therefore, the proposed project would not conflict with applicable zoning or other regulations governing scenic quality, and this impact would be less than significant.

d. Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? ***(Less Than Significant Impact)***

The project site is within a developed area with a variety of existing light sources, including streetlights, vehicle head and tail lights on area roadways, and lighting associated with adjacent development. Similar to other GVRD parks, the proposed project would be closed to the public from sunset until dawn. Light levels in the park would be kept low after hours to provide for safety/security but are not intended to promote use of the park after the park is closed.

Security lighting is proposed along the perimeter of the natural turf fields, parking lot, and pathways throughout the park. Section 16.506.04 of the VMC[14] requires that all lighting be shielded or modified to prevent emission of light or glare beyond the property line or upward into the sky. Compliance with these City regulations would ensure that the additional lighting associated with the proposed project would not create a new source of substantial light or glare that would result in the disruption of day- or nighttime views in the area. All lighting associated with the project would be shielded such that it would minimize light spillage onto adjacent properties in accordance with Section 16.506.04 of the VMC related to light and glare. Through compliance with VMC regulations, lighting would not substantially affect daytime or nighttime views in the project vicinity. Therefore, this impact would be less than significant.

[14] City of Vallejo. 2025. City of Vallejo Municipal Code Title 16. Part V – Site Development Standards / Chapter 16.506 Lighting and Glare / 16.505.04 General Requirements. Website: https://library.municode.com/ca/vallejo/codes/municipal_code?nodeId=TIT16ZO (accessed October 3, 2025).

4.2 AGRICULTURE AND FORESTRY RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation (DOC) as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection (CAL FIRE) regarding the State's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and the forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board (CARB).

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
d. Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

*a. Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland) as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? **(No Impact)***

The project site was previously developed as a middle school and is surrounded by residential neighborhoods. No agricultural uses are located within or adjacent to the project site. Additionally, the project area is classified as "Urban and Built-Up Land" by the DOC.[15] Urban and Built-Up Land is occupied by structures with a building density of at least one unit to 1.5 acres, or approximately six structures to a 10-acre parcel. Therefore, the proposed project would not involve the conversion of agricultural land to a non-agricultural use. The proposed project would not result in the conversion

[15] California Department of Conservation (DOC). 2022a. California Important Farmland Finder. Website: https://maps.conservation.ca.gov/dlrp/ciff (accessed September 2025).

of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to a non-agricultural use. No impact would occur.

b. Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract? ***(No Impact)***

The project site is zoned as Public and Semi-Public (PS), which does not allow for agricultural use. In addition, the project site is not subject to a Williamson Act contract.[16] Therefore, the proposed project would not conflict with existing zoning for agricultural use or a Williamson Act contract. No impact would occur.

c. Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))? ***(No Impact)***

The project site is currently developed with an existing park. Land use surrounding the project site is primarily residential with some lands zoned for commercial and public/semi-public uses. The project site is zoned as PS, which does not allow development of the project site for timberland use. No parcels adjacent to or near the project site are zoned for forest land, timberland, or timberland production. The proposed project would not conflict with existing zoning for, or cause rezoning of, forest land or timberland, nor would it result in the loss of forest land or conversion of forest land to non-forest uses. As such, no impact to forest land or timberland would occur.

d. Would the project result in the loss of forest land or conversion of forestland to non-forest use? ***(No Impact)***

Refer to Section 4.2.c, above. The proposed project would not result in the loss of forest land or conversion of forest land to non-forest uses. Therefore, the proposed project would have no impact related to loss of forest land or conversion of forest land.

e. Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use? ***(No Impact)***

Refer to Sections 4.2.a and 4.2.c, above. The proposed project would not involve any other changes to the existing environment which, due to their location or nature, could result in conversion of Farmland to a non-agricultural use, or conversion of forest land to a non-forest use. No impact would occur.

[16] California Department of Conservation (DOC). 2022b. *Williamson Act Enrollment Finder*. Website: https://maps.conservation.ca.gov/dlrp/WilliamsonAct/App/index.html#data_s=id%3AdataSource_1-196837250e2-layer-6-196837251d1-layer-9%3A86609 (accessed September 2025).

4.3 AIR QUALITY

Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☒	☐	☐
c. Expose sensitive receptors to substantial pollutant concentrations?	☐	☒	☐	☐
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

The project site is located in Vallejo, Solano County, California, and is within the jurisdiction of the Bay Area Air District (Air District), which regulates air quality in the San Francisco Bay Area and Solano County. Air quality conditions in the San Francisco Bay Area have improved significantly since the Air District was created in 1955. Ambient concentrations of air pollutants and the number of days during which the region exceeds air quality standards have fallen substantially. In Alameda County and the rest of the air basin, exceedances of air quality standards occur primarily during meteorological conditions conducive to high pollution levels, such as cold, windless winter nights or hot, sunny summer afternoons.

Within the Air District, ambient air quality standards (AAQS) for ozone, carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter less than 10 microns and 2.5 microns in size (PM_{10} and $PM_{2.5}$, respectively), and lead have been set by both the State of California and the federal government. The State has also set standards for sulfate and visibility. The Air District is under State non-attainment status for ozone and particulate matter standards. The Air District is classified as non-attainment for the federal ozone 8-hour standard and non-attainment for the federal $PM_{2.5}$ 24-hour standard.

*a. Would the project conflict with or obstruct implementation of the applicable air quality plan? **(Less Than Significant Impact)***

The applicable air quality plan is the Bay Area 2017 Clean Air Plan (Clean Air Plan),[17] which was adopted on April 19, 2017. The Clean Air Plan is a comprehensive plan to improve Bay Area air quality and protect public health. The Clean Air Plan defines control strategies to reduce emissions and ambient concentrations of air pollutants; safeguard public health by reducing exposure to air pollutants that pose the greatest heath risk, with an emphasis on protecting the communities most

[17] Bay Area Air District. 2017. Clean Air Plan. April 19.

heavily affected by air pollution; and reduce greenhouse gas (GHG) emissions to protect the climate. Consistency with the Clean Air Plan can be determined if the project: (1) supports the goals of the Clean Air Plan; (2) includes applicable control measures from the Clean Air Plan; and (3) would not disrupt or hinder implementation of any control measures from the Clean Air Plan.

Clean Air Plan Goals. The primary goals of the Clean Air Plan are to: (1) attain air quality standards; (2) reduce population exposure and protect public health in the Bay Area; and (3) reduce GHG emissions and protect the climate.

The Air District has established significance thresholds for project construction and operational impacts at a level at which the cumulative impact of exceeding these thresholds would have an adverse impact on the region's attainment of air quality standards. The health and hazards thresholds were established to help protect public health. As discussed below in Section 4.3.b, implementation of the proposed project would result in less than significant operation-period emissions and, with implementation of Mitigation Measure AIR-1, which would implement best management practices required by the Air District during construction, the project would result in less than significant construction-period emissions. Therefore, the project would not conflict with the Clean Air Plan goals.

Clean Air Plan Control Measures. The control strategies of the Clean Air Plan include control measures in the following categories: Stationary Source, Transportation, Energy, Building, Agriculture, Natural and Working Lands, Waste Management, Water, and Super GHGs.

- **Stationary Source Control Measures:** The Stationary Source Measures, which are designed to reduce emissions from stationary sources such as metal melting facilities, cement kilns, refineries, and glass furnaces, are incorporated into rules adopted by the Air District and then enforced by Air District's Permit and Inspection programs. Since the project would not include any stationary sources, the Stationary Source Measures of the Clean Air Plan are not applicable to the project.

- **Transportation Control Measures:** The Air District identifies Transportation Control Measures as part of the Clean Air Plan to decrease emissions of criteria pollutants, toxic air contaminants (TACs), and GHGs by reducing demand for motor vehicle travel, promoting efficient vehicles and transit service, decarbonizing transportation fuels, and electrifying motor vehicles and equipment. The proposed project would renovate and enhance Franklin Recreation Center Park, which would include the construction of new park facilities and associated improvements (e.g., parking, landscaping, utilities). As discussed in Section 4.17, Transportation, the proposed project is estimated to generate approximately 145 vehicle trips daily and would result in a less than significant impact related to vehicle miles traveled (VMT). In addition, as part of the proposed project, new pedestrian paths would be installed to promote pedestrian circulation through the site, including access from new access points and connectivity to existing facilities associated with the former middle school. The City's main transit service is SolTrans. Currently, the bus stop nearest to the proposed project is located on Benicia Road at Starr Avenue, approximately 0.07 mile south of the project site. As such, the project would support the ability to use alternative modes of transportation and would promote initiatives to reduce vehicle trips and VMT. Therefore, the proposed project is not expected to result in a significant increase in

the generation of vehicle trips or VMT. As such, the proposed project would promote the Air District's initiatives to reduce vehicle trips and VMT and would increase the use of alternate means of transportation.

- **Energy Control Measures:** The Clean Air Plan also includes Energy Control Measures that are designed to reduce emissions of criteria air pollutants, TACs, and GHGs by decreasing the amount of electricity consumed in the Bay Area, as well as decreasing the carbon intensity of the electricity used by switching to less GHG-intensive fuel sources for electricity generation. Since these measures apply to electrical utility providers and local government agencies (and not individual projects), the Energy Control Measures of the Clean Air Plan are not applicable to the proposed project.

- **Building Control Measures:** The Air District has authority to regulate emissions from certain sources in buildings such as boilers and water heaters but has limited authority to regulate buildings themselves. Therefore, the strategies in the control measures for this sector focus on working with local governments that have authority over local building codes to facilitate adoption of best GHG control practices and policies. The proposed project include the construction of new park facilities and associated improvements; therefore, the Building Control Measures of the Clean Air Plan are not applicable to the proposed project.

- **Agriculture Control Measures:** The Agriculture Control Measures are designed to primarily reduce emissions of methane. Since the project does not include any agricultural activities, the Agriculture Control Measures of the Clean Air Plan are not applicable to the proposed project.

- **Natural and Working Lands Control Measures:** The Natural and Working Lands Control Measures focus on increasing carbon sequestration on rangelands and wetlands, as well as encouraging local governments to enact ordinances that promote urban tree plantings. Since the project does not include the disturbance of any rangelands or wetlands, the Natural and Working Lands Control Measures of the Clean Air Plan are not applicable to the proposed project.

- **Waste Management Control Measures:** The Waste Management Control Measures focus on reducing or capturing methane emissions from landfills and composting facilities, diverting organic materials away from landfills, and increasing waste diversion rates through efforts to reduce, reuse, and recycle. The project would comply with local requirements for waste management (e.g., recycling and composting services). Therefore, the proposed project would be consistent with the Waste Management Control Measures of the Clean Air Plan.

- **Water Control Measures:** The Water Control Measures focus on reducing emissions of criteria pollutants, TACs, and GHGs by encouraging water conservation, limiting GHG emissions from Publicly Owned Treatment Works (POTWs), and promoting the use of biogas recovery systems. Since these measures apply to POTWs and local government agencies (and not individual projects), the Water Control Measures are not applicable to the proposed project.

- **Super-GHG Control Measures:** The Super-GHG Control Measures are designed to facilitate the adoption of best GHG control practices and policies through the Air District and local

government agencies. Since these measures do not apply to individual projects, the Super-GHG Control Measures are not applicable to the proposed project.

Clean Air Plan Implementation. As discussed above, the proposed project would generally implement the applicable measures outlined in the Clean Air Plan, including Transportation Control Measures. Therefore, the project would not disrupt or hinder implementation of a control measure from the Clean Air Plan, and this impact would be less than significant.

b. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard? ***(Less Than Significant with Mitigation Incorporated)***

The Air District is currently designated as a nonattainment area for State and national ozone standards and national particulate matter AAQS. The Air District's nonattainment status is attributed to the region's development history. Past, present, and future development projects contribute to the region's adverse air quality impacts on a cumulative basis. By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size to, by itself, result in nonattainment of AAQS. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant.

In developing thresholds of significance for air pollutants, the Air District considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions. The following sections describe the proposed project's construction- and operation-related air quality impacts and CO impacts for the proposed project.

Construction-Related Air Quality Emissions. During construction, short-term degradation of air quality may occur due to the release of particulate matter emissions (i.e., fugitive dust) generated by demolition, grading, hauling, and other activities. Emissions from construction equipment are also anticipated and would include CO, nitrogen oxides (NO_X), reactive organic gases (ROGs), directly emitted particulate matter ($PM_{2.5}$ and PM_{10}), and TACs such as diesel exhaust particulate matter (DPM).

Project construction would involve site preparation, grading, paving, and architectural coating. Construction-related effects on air quality from the proposed project would be greatest during the site preparation phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM_{10} emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM_{10} emissions would depend on soil moisture, silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The Air District has established standard measures for reducing fugitive dust emissions (PM_{10}). With the implementation of these Basic Best Management Practices (BMPs), fugitive dust emissions from construction activities would not result in adverse air quality impacts.

In addition to dust-related PM_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_2, NO_X, ROGs, and some soot particulate ($PM_{2.5}$ and PM_{10}) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles were delayed. These emissions would be temporary and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the project using the California Emissions Estimator Model (CalEEMod) version 2022.1, consistent with the Air District recommendations. The proposed project would include the construction of new park facilities and associated improvements. Construction is anticipated to begin in fall 2026 and occur for approximately 8 to 12 months, ending in June 2027, which was included in CalEEMod. The proposed project would result in approximately 3,800 cubic yards of net soil export, which was included in CalEEMod. In addition, this analysis assumes the use of Tier 2 construction equipment, which was included in CalEEMod. Other detailed construction information is currently unavailable; therefore, this analysis utilizes CalEEMod default assumptions. Construction-related emissions are presented in Table 4.A. CalEEMod output sheets are included in Appendix A.

Table 4.A: Project Construction Emissions in Pounds per Day

Project Construction	ROG	NO_X	Exhaust PM_{10}	Fugitive Dust PM_{10}	Exhaust $PM_{2.5}$	Fugitive Dust $PM_{2.5}$
2026	0.3	9.7	0.3	1.5	0.2	0.7
2027	0.3	9.9	0.3	0.7	0.3	0.3
Maximum Average Daily Emissions	**0.3**	**9.9**	**0.3**	**1.5**	**0.3**	**0.7**
Air District Thresholds	54.0	54.0	54.0	BMP	82.0	BMP
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: LSA (January 2026).
Air District = Bay Area Air District
BMP = best management practices
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
ROGs = reactive organic gases

As shown in Table 4.A, construction emissions associated with the project would be less than significant for ROG, NO_x, $PM_{2.5}$, and PM_{10} exhaust emissions. The Air District requires the implementation of the Basic BMPs to reduce construction fugitive dust impacts to a less than significant level, as follows:

Mitigation Measure AIR-1

Basic Best Management Practices. In order to meet the Bay Area Air District (Air District) fugitive dust threshold, the following Basic Best Management Practices shall be implemented:

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
- All haul trucks transporting soil, sand, or other loose material off site shall be covered.
- All visible mud or dirt tracked out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.
- All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 miles per hour.
- All trucks and equipment, including their tires, shall be washed off prior to leaving the site.
- Unpaved roads providing access to sites 100 feet or farther from a paved road shall be treated with a 6- to 12-inch layer of compacted layer of wood chips, mulch, or gravel.
- Publicly visible signs shall be posted with the telephone number and name of the person to contact the City of Vallejo regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations.

As shown in Table 4.A, construction emissions associated with the proposed project would be below established thresholds. In addition, consistent with Air District requirements, Mitigation Measure AIR-1 requires implementation of Basic BMPs during construction to control fugitive dust emissions. Therefore, with implementation of this measure, construction of the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State AAQS, and impacts would be less than significant with mitigation incorporated.

Operational Air Quality Emissions. Long-term air pollutant emission impacts are those associated with mobile sources (e.g., vehicle trips), energy sources (e.g., natural gas), and area sources (e.g., architectural coatings and the use of landscape maintenance equipment) related to the proposed project. The proposed project would not include the use of natural gas; therefore, it is not anticipated that the proposed project would generate energy source criteria pollutant emissions.

Mobile source emissions include ROG and NO_X emissions that contribute to the formation of ozone. Additionally, PM_{10} emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways.

Emission estimates for operation of the project were calculated using CalEEMod. This analysis was conducted using land use codes *City Park, Other Asphalt Surfaces,* and *Parking Lot*. The *Other Asphalt Surfaces* land use was used to represent the proposed park facilities, which include basketball courts, pickleball courts, a play area, and a concession area. Trip generation rates for the project were based on the project's trip generation estimates as identified in Section 4.17, Transportation. Based on the trip generation estimates, the proposed project would generate approximately 145 new average daily trips, which was included in CalEEMod. Where project-specific data were not available, default assumptions (e.g., energy usage, water usage, and solid waste generation) from CalEEMod were used to estimate project emissions. CalEEMod output sheets are included in Appendix A.

The primary emissions associated with the project are regional in nature, meaning that air pollutants are rapidly dispersed on release or, in the case of vehicle emissions associated with the project, emissions are released in other areas of the Air Basin. The daily and annual emissions associated with project operational trip generation, energy, and area sources are identified in Table 4.B for ROG, NO_X, PM_{10}, and $PM_{2.5}$.

Table 4.B: Project Operational Emissions

	ROGs	NO_X	PM_{10}	$PM_{2.5}$
Average Pounds per Day				
Mobile-Source Emissions	0.5	0.4	0.6	0.2
Area-Source Emissions	0.1	<0.1	<0.1	<0.1
Energy-Source Emissions	0.0	0.0	0.0	0.0
Total Emissions	**0.6**	**0.4**	**0.6**	**0.2**
Air District Thresholds	54.0	54.0	82.0	54.0
Exceed Threshold?	**No**	**No**	**No**	**No**
Tons per Year				
Mobile-Source Emissions	0.1	0.1	0.1	<0.1
Area-Source Emissions	<0.1	<0.1	<0.1	<0.1
Energy-Source Emissions	0.0	0.0	0.0	0.0
Total Emissions	**0.1**	**0.1**	**0.1**	**<0.1**
Air District Thresholds	10.0	10.0	15.0	10.0
Exceed Threshold?	**No**	**No**	**No**	**No**

Source: LSA (January 2026).
Air District = Bay Area Air District
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
ROGs = reactive organic gases

The results shown in Table 4.B indicate the project would not exceed the significance criteria for daily or annual NO_X, ROGs, PM_{10}, or $PM_{2.5}$ emissions. Therefore, operation of the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State AAQS. Impacts would be less than significant.

CO Hot-Spot Analysis. Emissions and ambient concentrations of CO have decreased dramatically in the Bay Area with the introduction of the catalytic converter in 1975. No exceedances of the State or federal CO standards have been recorded at Bay Area monitoring stations since 1991. The Air District's 2022 *CEQA Air Quality Guidelines*[18] include recommended methodologies for quantifying concentrations of localized CO levels for proposed industrial projects. A screening-level analysis using guidance from the Air District's 2022 *CEQA Air Quality Guidelines* was performed to determine the impacts of the project. The screening methodology provides a conservative indication of whether the implementation of a proposed project would result in significant CO emissions. According to Air District's 2022 *CEQA Air Quality Guidelines*, a proposed project would result in a less than significant impact to localized CO concentrations if the following screening criteria are met:

- If the project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, the regional transportation plan, and local congestion management agency plans.

- If project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.

- If the project would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, or below-grade roadway).

The *City of Vallejo Traffic Impact Analysis/Study Guidelines*[19] states that any project with initial traffic generation estimates showing that the project is likely to add 500 or more daily two-way trips and/or 100 or more peak-period two-way trips to the existing circulation system would require a traffic study to identify the impacts to traffic operation and safety. As identified in Section 4.17, Transportation, the proposed project would generate approximately 145 new average daily trips, of which 18 would occur in the a.m. peak hour and 14 would occur in the p.m. peak hour. Because the project would generate fewer trips than the threshold for review established by the City, it was determined that the project does not have the potential to significantly affect roadway operations. Therefore, the project's contribution to peak-hour traffic volumes at intersections in the vicinity of the project site would not increase traffic volumes to more than 44,000 vehicles per hour.

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18 Bay Area Air Quality Management District (BAAQMD). 2022. California Environmental Quality Act Air Quality Guidelines. April. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/ceqa-guidelines-chapter-0-cover-page-pdf.pdf?sc_lang=en (accessed March 2025).

19 City of Vallejo Public Works Department. 2012. *Traffic Impact Analysis/Study Guidelines*. Website: https://www.cityofvallejo.net/common/pages/DisplayFile.aspx?itemId=17941488 (accessed December 10, 2025)

Therefore, the proposed project would not result in localized CO concentrations that exceed State or federal standards, and impacts would be less than significant.

c. Would the project expose sensitive receptors to substantial pollutant concentrations? ***(Less Than Significant with Mitigation Incorporated)***

Sensitive receptors are defined as residential uses, schools, daycare centers, nursing homes, and medical centers. Individuals particularly vulnerable to DPM are children, whose lung tissue is still developing, and the elderly, who may have serious health problems that can be aggravated by exposure to DPM. Exposure from diesel exhaust associated with construction activity contributes to both cancer and chronic non-cancer health risks.

According to the Air District, a project would result in a significant impact if it would: individually expose sensitive receptors to TACs resulting in an increased cancer risk greater than 10.0 in 1 million, increased non-cancer risk of greater than 1.0 on the hazard index (chronic or acute), or an annual average ambient $PM_{2.5}$ increase greater than 0.3 microgram per cubic meter ($\mu g/m^3$).

The proposed project site is located in an urban area, in close proximity to existing residential, school, and employment uses that could be exposed to diesel emission exhaust during the construction period. The sensitive receptor identified as maximally exposed individual (MEI) is the residence located north to the project site along Campbell Avenue within 25 feet of the project site's northern boundary. The worker and school sensitive receptor MEI are located immediately east of the project site, approximately 25 feet away.

To estimate the potential cancer risk from project construction equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to a concentration at the receptor location (i.e., a nearby residential land use). Dispersion modeling varies from a simpler, more conservative screening-level analysis to a more complex and refined detailed analysis. This refined assessment was conducted using the CARB exposure methodology, with the air dispersion modeling performed using the United States Environmental Protection Agency (USEPA) dispersion model AERMOD. The model provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and site-specific meteorological data.

Table 4.C, below, identifies the results of the analysis utilizing the standard Tier 2 construction equipment. Model snapshots of the sources are provided in Appendix B.

As shown in Table 4.C, the maximum cancer risk for the sensitive receptors would be 22.91 in 1 million, which would exceed the Air District cancer risk threshold of 10 in 1 million. The school receptor would be 13.51 in 1 million, which would also exceed the threshold of 10 in 1 million. The worker receptor risk would be lower, at 0.9 in 1 million. The total chronic hazard index would be 0.02 for the sensitive receptor and 0.04 for both the worker and school receptors, which is below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.00), which would also not exceed the threshold of 1.0. The results of the analysis indicate that the total $PM_{2.5}$ concentration would be 0.08 $\mu g/m^3$ for the sensitive receptor and 0.18 $\mu g/m^3$ for both the worker and school receptors, which would not exceed the Air District significance threshold of 0.30 $\mu g/m^3$.

Table 4.C: Unmitigated Inhalation Health Risks from Project Construction to Off-Site Receptors

	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Sensitive Receptor Risk	22.91	0.02	0.00	0.08
Worker Receptor Risk	0.90	0.04	0.00	0.18
School Receptor Risk	13.51	0.04	0.00	0.18
Threshold	**10 in 1 million**	**1.0**	**1.0**	**0.30**
Exceed?	**Yes**	**No**	**No**	**No**

Source: LSA (January 2026).
$\mu g/m^3$ = micrograms per cubic meter
$PM_{2.5}$ = particulate matter less than 2.5 microns in size

As indicated above, the cancer risk of 22.91 in 1 million at the sensitive receptor and the cancer risk of 13.51 in 1 million at the school receptor would exceed the Air District thresholds. Therefore, implementation of Mitigation Measure AIR-2 would be required to reduce substantial pollutant concentrations during project construction.

Mitigation Measure AIR-2: **Tier 4 Construction Equipment.** During construction of the proposed project, the project contractor shall ensure all off-road diesel-powered construction equipment of 50 horsepower or more shall be equipped with Tier 4 Interim engines or the most effective Verified Diesel Emission Control Strategies (VDCES) available for the engine type, as certified by the California Air Resources Board (CARB). The equipment shall be properly maintained and tuned in accordance with manufacturer specifications. Prior to issuance of building permits, the Greater Vallejo Recreation District shall submit construction plans to the California Division of the State Architect denoting the projected equipment tier rating that will be used during the construction period.

Table 4.D identifies the results of the analysis with implementation of Mitigation Measure AIR-2.

As shown in Table 4.D, the mitigated cancer risk at the sensitive receptor would be 2.84 in 1 million and the school receptor risk would be 1.69 in 1 million, which would not exceed the Air District cancer risk of 10 in 1 million. Therefore, with implementation of Mitigation Measure AIR-2, construction of the proposed project would not exceed Air District thresholds and would not expose nearby sensitive receptors to substantial pollutant concentrations.

Once the proposed project is constructed, the proposed project would not be a source of substantial emissions. Therefore, implementation of the proposed project would not result in new sources of TACs. Therefore, the project would not expose sensitive receptors to substantial levels of TACs, and this impact would be less than significant with mitigation incorporated.

Table 4.D: Mitigated Inhalation Health Risks from Project Construction to Off-Site Receptors

	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Sensitive Receptor Risk	2.84	<0.01	0.00	0.01
Worker Receptor Risk	0.11	<0.01	0.00	0.02
School Receptor Risk	1.69	<0.01	0.00	0.03
Threshold	**10 in 1 million**	**1.0**	**1.0**	**0.30**
Exceed?	**No**	**No**	**No**	**No**

Source: LSA (January 2026).
$\mu g/m^3$ = micrograms per cubic meter
$PM_{2.5}$ = particulate matter less than 2.5 microns in size

d. Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? ***(Less Than Significant Impact)***

During construction, the various diesel-powered vehicles and equipment in use on site would create localized odors. These odors would be temporary and are not likely to be noticeable for extended periods of time beyond the project site.

Odor-generating land uses typically include wastewater treatment plants, landfills, and food manufacturing facilities. The proposed project would include the construction of new park facilities and associated improvements. Therefore, the proposed project would not be considered potential generators of odor that could affect a substantial number of people. Since the generation of odors would be periodic, and because these emissions would not affect a substantial number of people, the proposed project would not be a source of odors. Therefore, the proposed project would not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people. Impacts would be less than significant.

4.4 BIOLOGICAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c. Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☒	☐
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

The project site is entirely within the built environment of the city of Vallejo and contains no sensitive or native habitat. The northeastern corner of the parcel is occupied by two buildings and a surface parking lot used by the Vallejo Police Activities League, a nonprofit organization that provides explorer programs and athletic activities for youth. Review of historic aerial imagery[20] confirmed the project site has been in use as urban development since 1948, when it was originally a leveled recreation track, and later as baseball fields associated with the nearby school, as well as additional buildings along the southern edge. Subsequently, between 2005 and 2009, the buildings were demolished, and the area has remained a recreation field subject to routine maintenance and mowing.

A reconnaissance-level field survey was conducted at the project site on November 6, 2025. During this survey, preliminary information on vegetation types, wildlife habitat, and potential jurisdictional features (e.g., wetlands) was collected.

[20] Nationwide Environmental Title Research, LLC (NETR). 2025. Historic Aerials by NETRonline (v. 0.6.2). Website: https://historicaerials.com (accessed November 2025).

The vegetation communities on the project site are almost entirely planted or ornamental, including planted trees, grass fields, and patches of ruderal vegetation. The recreation area is managed via watering, mowing, and seeding of turf grass. The project site contains ornamental landscaping, including mature nonnative black poplar (*Populus nigra*) and London plane (*Platanus acerfolia*) trees.

Wildlife observed during the field survey consists of mourning dove (*Zenaida macroura*), Anna's hummingbird (*Calypte anna*), black phoebe (*Sayornis nigricans*), American crow (*Corvus brachyrhynchos*), rock pigeon (*Columba livia*), northern mockingbird (*Mimus polyglottos*), American robin (*Turdus migratorius*), house sparrow (*Passer domesticus*), house finch (*Haemorhous mexicanus*), lesser goldfinch (*Spinus psaltria*), dark-eyed junco (*Junco hyemalis*), and yellow-rumped warbler (*Setophaga coronate*). No bats or sign of roosting bats were observed during the field survey.

a. Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? ***(Less Than Significant with Mitigation Incorporated)***

Species listed under the California Endangered Species Act (CESA) or the federal Endangered Species Act (FESA) require special protection to avoid "take" or cause other adverse effects upon their habitat. Additionally, impacts to other non-listed special-status species, such as those classified as Species of Special Concern by the California Department of Fish and Wildlife (CDFW), should be avoided and mitigated under CEQA. Some rare plant species also require protection pursuant to the California Native Plant Protection Act, although there is no suitable habitat for rare plants present on the project site.

To identify special-status plant and wildlife species known to occur or potentially occurring in the project site vicinity, the following resources were queried: (1) the CDFW California Natural Diversity Database (CNDDB[21]) for species records in the project vicinity; (2) the California Native Plant Society's (CNPS) Inventory of Rare and Endangered Plants of California[22] for records of special-status plant species in the United States Geological Survey (USGS) *Benicia* 7.5-minute quadrangle; and (3) the United States Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) online system.[23]

The scientific and vernacular nomenclature for the plant and wildlife species used in this analysis are from the following standard sources: (1) plants and updates listed on the Jepson Herbarium website;

21 California Department of Fish and Wildlife (CDFW). 2025. California Natural Diversity Database, commercial version. December.

22 California Native Plant Society (CNPS). 2025. Rare Plant Program, Rare Plant Inventory (online edition, v9.5). Website: https://www.rareplants.cnps.org (accessed November 20, 2025).

23 United States Fish and Wildlife Service (USFWS). 2026. Information for Planning and Consultation (IPaC). January 5.

(2) amphibians and reptiles[24]; (3) birds through 2022; and (4) mammals.[25] Table 4.E lists special-status species records and/or observations within 5 miles of the project site.

Special-Status Plants. Special-status plant species are rare due to a combination of factors, including restriction to rare soil types, vegetation communities or vernal pools, the inability to persist in developed or grazed areas, and the inability to compete with non-native invasive species. As shown in Table 4.E, 22 special-status plant species were evaluated for their potential to occur on the project site. As the project site is completely developed with existing recreation uses and does not contain any undisturbed natural habitat, it does not provide suitable habitat for any special-status plants. Therefore, the proposed project would not have a substantial adverse effect, either directly or through habitat modifications, on any plant species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS. No impact to special-status plant species would occur.

Special-Status Wildlife. As shown in Table 4.E, a total of 31 special-status species were evaluated for their potential to occur on the project site. A total of 28 of these species were determined to have no potential to occur due to a total lack of suitable habitat within the project site (e.g., tidal salt marshes, vernal pools, caves) and/or because they have not been found within the past 50 years and are therefore likely considered no longer present in the region. For birds, the potential to occur refers only to nesting, as many species may fly over or perch on the site.

No special-status wildlife species were observed during the reconnaissance-level site visit, but three wildlife species were determined to have some potential to occur due to the presence of suitable habitat at the project site. These species include Crotch's bumble bee (*Bombus crotchii*), western bumble bee (*Bombus occidentalis*), and pallid bat (*Antrozous pallidus*).

The potential for protected resources to be impacted by construction of the proposed project is a function of the likelihood the species is present when the project is constructed, as well as the type and duration of construction activities. Another factor is the sensitivity of the species or resource to disturbance. For example, roosting bats may not react to construction activities near their roosts during the day, whereas a raptor may abandon its nest if construction is within 100 feet of its nest. Special-status wildlife species could be impacted both directly and indirectly during construction activities and the redevelopment of existing facilities associated with the former Benjamin Franklin Middle School, if they are present on the site during construction activities. In addition to the species-specific mitigation measures identified further below, the following mitigation measures, which require that an environmental education program be conducted prior to project construction and that BMPs be implemented during project construction, would be implemented to reduce potential direct and indirect impacts to special-status species to a less than significant level.

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24 Crother, B.I. (ed.). 2017. *Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with Comments Regarding Confidence in Our Understanding,* pp. 1-102. SSAR Herpetological Circular No. 43.

25 Bradley, R.D., L.K. Ammerman, R.J. Baker, L.C. Bradley, J.A. Cook, R.C. Dowler, D.J. Schmidly, F.B. Stangl, Jr., R.A. Van Den Bussche, and B. Würsig. 2014. *Revised Checklist of North American Mammals North of Mexico, 2014.* Occasional Papers, Museum of Texas Tech University No. 237.

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Table 4.E: Special-Status Species and Natural Communities Potentially Occurring or Known to Occur on the Project Site

Species/Common Name	Status[1]	General Habitat Description	Habitat Present/ Absent	Rationale/Potential to Occur
Natural Community				
Northern Coastal Salt Marsh	S3	Brackish marsh vegetation that develops in shallow, standing or slow moving waters in coastal bays, estuaries, and coastal lagoons, where fresh water meets salt water in a tidal area.	A	**Not Present.** Therefore, this habitat is not discussed further.
Serpentine Bunchgrass	S3	These grasslands are of very limited distribution in California within the Coast Ranges, Sierra Nevada, and Transverse Ranges on deep soils with serpentine-rich parent material. Native perennial grasses of California's serpentine soils, forming clumps with upright growth, featuring pale flower clusters, and adapted to unique magnesium-rich, nutrient-poor soils.	A	**Not Present.** Therefore, this habitat is not discussed further.
Plants				
Astragalus tener var. *tener* Alkali milk vetch	--/--/1B.2	Occurs in wetlands, typically in playas, vernal-pool complexes, alkali sinks, valley grasslands, and wetland-riparian habitats. Blooming Period: March to June. Elevation: 0 to 60 meters	A	**Not Expected to Occur.** Suitable habitat and substrate for this species are not present on the project site. The closest known occurrence is > 5 miles from the project site. Therefore, this species is not expected to occur and is not discussed further.
Balsamorhiza macrolepis var. *macrolepis* Big-scale balsamroot	--/--/1B	Open habitat, mostly in mountainous areas, mostly in the western foothills of the Sierra Nevada and the eastern Coast Ranges near San Francisco Bay. Blooming Period: March to June. Elevation: 90 to 1,400 meters	A	**Not Expected to Occur.** Suitable habitat and substrate for this species are not present on the project site. The project site is not within the elevation range of this species. Therefore, this species is not expected to occur and is not discussed further.
Blepharizonia plumosa ssp. plumosa Big tarplant	--/--/1B.1	Dry hills and plains in annual grassland. Clay to loam soils; usually on slopes and often in burned areas. Valley and foothill grassland. Blooming Period: July to October Elevation: 30 to 505 meters	A	**Not Expected to Occur.** Suitable habitat and substrate for this species are not present on the project site. Therefore, this species is not expected to occur and is not discussed further.
Castilleja affinis var. *neglecta* Tiburon paintbrush	FE/ ST/1B	Rocky serpentine sites present in serpentine bunchgrass communities on northwest-facing slopes. Blooms: April to June Elevation: 30 to 840 meters	A	**Not Expected to Occur.** No suitable habitat is present for this species at the project site. Therefore, this species is not expected and is not discussed further.
Centromadia parryi ssp. *congdonii* Congdon's tarplant	--/--/1B.1	Coastal prairie, meadows and seeps, coastal salt marsh, and valley and foothill grassland in vernally mesic, often alkaline sites. Blooms: May to November Elevation: 0 to 420 meters	A	**Not Expected to Occur.** Suitable habitat and substrate for this species are not present on the project site. Therefore, this species is not expected to occur and is not discussed further.

Table 4.E: Special-Status Species and Natural Communities Potentially Occurring or Known to Occur on the Project Site

Species/Common Name	Status[1]	General Habitat Description	Habitat Present/ Absent	Rationale/Potential to Occur
Chloropyron molle ssp. *molle* Soft salty bird's-beak	FE/SR/1B.2	In coastal salt marsh with *Distichlis, Salicornia, Frankenia,* etc. Blooms: May to July Elevation: 0 to 5 meters	A	**Not Expected to Occur.** Typical of undisturbed marsh, this area has been modified extensively. Suitable habitat and substrate for this species are not present on the project site. Therefore, this species is not expected to occur and is not discussed further.
Cicuta maculata var *bolanderi* Bolander's water-hemlock	--/--/2B.1	In coastal saltmarsh with *Distichlis spicata, Salicornia virginica, Frankenia salina,* etc. Blooms: July to November Elevation: 0 to 3 meters	A	**Not Expected to Occur.** Suitable habitat and substrate for this species are not present on the project site. Therefore, this species is not expected to occur and is not discussed further.
Cordylaanthus mollis ssp. *mollis* Soft bird's-beak	FE/CT/1B.2	Brackish and salt marshes, particularly around Suisun and San Pablo bays. Endemic to California, historically wider, now limited to parts of Marin, Napa, Solano, and Contra Costa counties, especially Solano County. Blooms: July to November Elevation: 0 to 130 meters	A	**Not Expected to Occur.** Suitable habitat and substrate for this species are not present on the project site. Therefore, this species is not expected to occur and is not discussed further.
Dirca occidentalis Western leatherwood	--/--/1B.2	On brushy slopes and mesic sites; mostly in mixed evergreen and foothill woodland communities such as broadleafed upland forest, chaparral, closed-cone coniferous forest, cismontane woodland, north coast coniferous forest, riparian forest, and riparian woodland. Blooms: January to April. Elevation: 30 to 550 meters	A	**Not Expected to Occur.** Suitable habitat and substrate for this species are not present on the project site. Therefore, this species is not expected to occur and is not discussed further.
Eryngium jepsonii Jepson's coyote-thistle	--/--/1B.2	Occurs in Valley and foothill grassland, Vernal pools. Blooms: April to August Elevation: 3 to 300 meters	A	**Not Expected to Occur.** Suitable habitat and substrate for this species are not present on the project site. Therefore, this species is not expected to occur and is not discussed further.
Extriplex joaquinana San Joaquin spearscale	FE/--/1B	Chenopod scrub, meadows and seeps, valley and foothill grassland. Alkali soils. Blooming period from April to September. Blooms: April to October Elevation: 197 to 1,706 feet.	A	**Not Expected to Occur.** No suitable habitat is present for this species at the project site. Therefore, this species is not expected to occur and is not discussed further.
Fritillaria liliacea Fragrant fritillary	FPE/--/1B	Northern coastal scrub, coastal prairie, valley grasslands, wetland to riparian habitats. Typically, in open hilly grasslands at altitudes less than 200 meters. Blooms: February to May Elevation: 3 to 410 meters.	A	**Not Expected to Occur.** No suitable habitat is present for this species at the project site. Out of range, therefore, this species is not expected to occur and is not discussed further.

Table 4.E: Special-Status Species and Natural Communities Potentially Occurring or Known to Occur on the Project Site

Species/Common Name	Status[1]	General Habitat Description	Habitat Present/ Absent	Rationale/Potential to Occur
Helianthella castanea Diablo helianthella	--/--/1B.2	Broadleafed upland forest, chaparral, cismontane woodland, coastal scrub, riparian woodland, and valley and foothill grassland. Often in partial shade. Blooms: March to June Elevation: 60 to 1,300 meters	A	**Not Expected to Occur.** There is no suitable habitat for this species at the project site. The project site is not within the elevation range of the species. Therefore, this species is not expected to occur and is not discussed further.
Isocoma arguta Carquinez goldenbush	--/--/1B.1	Alkaline soils, flats, and lower hills. On low benches near drainages and on the tops and sides of mounds in swale habitat. Blooms: April to June Elevation: 1 to 5 0meters	A	**Not Expected to Occur.** No suitable habitat is present for this species at the project site, occurs near fresh water. Therefore, this species is not expected to occur and is not discussed further.
Lasthenia conjugens Contra Costa goldfields	FE/--/1B.1	Mesic sites in cismontane woodland, playas (alkaline), valley and foothill grassland, and vernal pools. Blooms: March to June Elevation: 0 to 470 meters	A	**Not Expected to Occur.** No suitable habitat is present for this species at the project site. The site is outside of the species' known range. Therefore, this species is not expected to occur and is not discussed further.
Lathyrus jepsonii var. *jepsonii* Delta tule pea	--/--/1B.2	In freshwater and brackish marshes. Often found with *Typha, Rosa californica, Juncus* spp., *Scirpus*, etc. Usually on marsh and slough edges. Blooms: May to September Elevation: 0 to 5 meters	A	**Not Expected to Occur.** Suitable habitat for this species is limited or nonexistent at the project site. The species was not observed during the September survey. Therefore, this species is not expected to occur and is not discussed further.
Lilaeopsis masonii Mason's lilaeopsis	--/SR/1B.1	Tidal zones, in muddy or silty soil formed through river deposition or riverbank erosion. In brackish or freshwater. Common in Suisun Marsh. Blooms: April to November Elevation: 0 to 10 meters	A	**Not Expected to Occur.** Habitat is not present within the project site. The species was not observed in wetland habitat at the project site during the September survey. Therefore, this species is not expected to occur and is not discussed further.
Senecio aphanactis Chaparral ragwort	--/--/1B.2	Chaparral, cismontane woodland, coastal scrub, and alkaline soils from 15 to 800 meters. Blooms January to April. Elevation: 15 to 800 meters	A	**Not Expected to Occur.** No suitable habitat is present for this species at the project site. In the vicinity of the project site, the CNDDB occurrences are historic records from Mare Island from the late 1800s. Therefore, this species is not expected to occur and is not discussed further.
Spergularia macrotheca var *longistyla* Long-styled sand-spurrey	--/--/1B.2	Flowering spring. Alkaline marshes, mud flats, meadows, and hot springs. Blooms: June to July Elevation: 20 to 200 meters	A	**Not Expected to Occur.** Suitable habitat and substrate for this species are not present at the project site. Therefore, this species is not expected to occur and is not discussed further**.**
Symphyotrichum lentum Suisun marsh aster	--/--/1B.2	Perennial rhizomatous herb, blooms May through November, occurs in marshes and swamps (brackish, freshwater). Blooms: June to July Elevation: 0 to 3 meters.	A	**Not Expected to Occur.** Suitable habitat and substrate for this species are not present in the project site. Therefore, this species is not expected to occur and is not discussed further.

Table 4.E: Special-Status Species and Natural Communities Potentially Occurring or Known to Occur on the Project Site

Species/Common Name	Status[1]	General Habitat Description	Habitat Present/ Absent	Rationale/Potential to Occur
Trifolium amoenum Showy Indian clover	FE/--/1B	Valley and foothill grassland, coastal bluff scrub. Sometimes on serpentine soil, open sunny sites, swales, roadsides, eroding cliff faces. Blooms: April to June Elevation: 5 to 560 meters.	A	**Not Expected to Occur.** The site is outside the species' known range. The historical range of *Trifolium amoenum* was from the western extreme of the Sacramento Valley in Solano County west and north to Marin and Sonoma counties. Presently, only a single extant population is recorded in northern Marin County, which numbers approximately 200 plants. Therefore, this species is not expected to occur and is not discussed further.
Trifolium hydrophilum Saline clover	--/--/1B.2	Marshes and swamps, mesic areas in valley and foothill grassland, vernal pools. Blooms: April to June Elevation: 0 to 300 meters.	A	**Not Expected to Occur.** Suitable habitat and substrate for this species are not present in project site. Therefore, this species is not expected to occur and is not discussed further.
Invertebrates				
Bombus crotchii Crotch's bumble bee	--/CCE/--	Primarily found along the Southern California coast; rare scattered sightings in the San Francisco Bay area, often in grasslands, and the Central Valley. Crotch's bumble bee is a species in decline. Compared to the abundance of other bumble bees, Crotch's bumble bee has declined by 98%. This bee is found in grassland and scrub habitat typically from March to August. Food plant genera include *Antirrhinum, Phacelia, Clarkia, Eschscholzia,* and *Eriogonum*. It is black and yellow on its abdomen, with short, even hair throughout its body.	HP	**Unlikely.** No CNDDB occurrences are documented within 5 miles of the project. Suitable foraging habitat is present adjacent to the project. Species occurrences are rare, and the species is currently believed to be extirpated from much of its range in California.
Bombus occidentalis Western bumble bee	--/CCE/--	Occurs across the western United States and southern Canada. In California, its historic range included the northern part of the State, the coastal region, and the mountains. Currently persists at high-elevation sites. Nests in colonies of up to 1,500 individuals, primarily in underground cavities such as old squirrel or other animal nests, and in open west-southwest slopes bordered by trees. Requires adequate nectar and pollen through the colony's life cycle, typically early February–late November. Utilizes a variety of floral resources with open flowers and short corollas but is known to "nectar rob." Mostly found in meadows and grasslands with abundant floral resources.	HP	**Unlikely.** This widespread and once common species is included in the CNDDB due to a general decline in bee populations in recent years. CNDDB records, primarily from the 1950s through 1970s, are scattered throughout the north Bay Area; the nearest record of this species (from 1950) is approximately 1 mile southeast of the project. Currently, this species is largely confined to high-elevation sites and a small number of records on the northern California coast.

Table 4.E: Special-Status Species and Natural Communities Potentially Occurring or Known to Occur on the Project Site

Species/Common Name	Status[1]	General Habitat Description	Habitat Present/ Absent	Rationale/Potential to Occur
Branchinecta conservatio Conservancy fairy shrimp	FE/--/--	Found only in large vernal pools in California's Central Valley, with one population in Ventura County. Typically inhabits large and turbid playa pools. Playa pools can remain inundated until well into the summer and are typically more than 175 feet in diameter.	A	**Not Expected to Occur.** Four occurrences are documented within 5 miles of the project site in collections from 1910 to 1962. Suitable vernal pool habitat is not present in the project site. Therefore, this species is not expected to occur in the project site and is not discussed further.
Branchinecta lynchi Vernal pool fairy shrimp	FT/--/--	Vernal pools and similar features in unplowed grassland areas. Pools must contain water continuously for at least 18 days in all but the driest years to allow for reproduction. Known from the Central Valley and adjacent foothill areas; the Central Coast and South Coast ranges; the Transverse Ranges near Santa Clarita; the Santa Rosa Plateau, Skunk Hollow, and the Stowe Road vernal pool west of Hemet in Riverside County; and northwest San Diego County. May also occur in Orange County. Occurs at up to about 2,300 feet elevation in areas north of Kern County and at up to 5,600 feet elevation in areas to the south.	A	**Not Expected to Occur.** No suitable habitat is present. No vernal pools are present within the project site. Therefore, this species is not expected to occur in the project site and is not discussed further.
Danaus plexippus plexippus pop. 1 Monarch – California Overwintering Population	FC/--/--	Roosts located in wind-protected tree groves (eucalyptus, Monterey pine, cypress), with nectar and water sources nearby. Larval host plants consist of milkweeds (*Asclepias* sp.). Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico.	A	**Not Expected to Occur.** No roosting habitat occurs on or adjacent to the project site; no larval host plants (milkweed) were observed or listed in online resources.[26] Therefore, this species is not expected to occur and is not discussed further.
Speyeria callippe callippe Callippe silverspot butterfly	FE/--/--	Restricted to northern coastal scrub of the San Francisco Peninsula. Found in grasslands, typically along ridgelines where host plant *Viola pedunculata* occurs.	A	**Not Expected to Occur.** Four CNDDB occurrences are documented between 3.2 and 4.4 miles from the project in the hills to the northeast of Vallejo associated with King Ranch Conservation Area. The species' presence is tied to host plant *Viola pedunculata*; both species occur in early spring to summer. The project is outside of its known range. Therefore, this species is not expected to occur and is not discussed further.

[26] Bradley, R.D., L.K. Ammerman, R.J. Baker, L.C. Bradley, J.A. Cook, R.C. Dowler, D.J. Schmidly, F.B. Stangl, Jr., R.A. Van Den Bussche, and B. Würsig. 2014. *Revised Checklist of North American Mammals North of Mexico, 2014.* Occasional Papers, Museum of Texas Tech University No. 237.

Table 4.E: Special-Status Species and Natural Communities Potentially Occurring or Known to Occur on the Project Site

Species/Common Name	Status[1]	General Habitat Description	Habitat Present/ Absent	Rationale/Potential to Occur
Fish				
Acipenser medirostris pop. 1 Green sturgeon – Southern DPS	FT/--/SSC	Anadromous fish that spawns in the Sacramento River. Feeds in estuaries and bays, including the San Francisco Bay.	A	**No Potential.** The project site is outside the Sacramento-San Joaquin River delta freshwater. No work will occur within aquatic habitat. Therefore, this species is not expected to occur and is not discussed further.
Hypomesus transpacificus Delta smelt	FT/CE/--	Found in the Napa River and locations to the east, including much of the Sacramento-San Joaquin Delta region. Requires low-salinity zone for maturation and winter upstream migration shortly before spawning occurs. Most spawning happens in tidally influenced backwater sloughs and channel edge waters.	A	**No Potential.** The project site is outside the Sacramento-San Joaquin River Delta freshwater. No work will occur within aquatic habitat. Therefore, this species is not expected to occur and is not discussed further.
Pogonichthys macrolepidotus Sacramento splittail	--/--/SSC	Typically found in estuarine environments in water with salinities from 10–18 parts per trillion. Habitat includes slow-moving rivers, sloughs, and alkaline lakes. Sacramento splittail feed on bottom-dwelling invertebrates and detritus in low to moderate currents.	A	**No Potential.** The project site is outside the Sacramento-San Joaquin River Delta freshwater. No work will occur within aquatic habitat. Therefore, this species is not expected to occur and is not discussed further.
Oncorhynchus mykiss irideus pop. 8 Steelhead – Central California Coast DPS	FE/SE/--	Coastal streams typically associated with low-gradient reaches of tributary streams. Spawning sites are near the head of a riffle with medium to small gravel substrates. Typical rearing areas used by juvenile steelhead include low-gradient coastal streams, sloughs, side channels, alcoves, estuaries, low-gradient tributaries, large rivers, beaver ponds, and large slack waters. Peak downstream migration in California generally occurs from April to early June.	A	**No Potential.** The project site is outside the Sacramento-San Joaquin River Delta freshwater. No work will occur within aquatic habitat. Therefore, this species is not expected to occur and is not discussed further.
Spirinchus thaleichthys – pop. 2 Longfin smelt – San Francisco Bay-Delta DPS	--/ST/--	Primarily an anadromous estuarine species that can tolerate salinities ranging from freshwater to nearly pure seawater. Their spatial distribution within a bay or estuary is seasonally variable. Typically found closer to the ocean during summer, moving upstream in cool seasons.	A	**No Potential.** The project site is outside the Sacramento-San Joaquin River Delta freshwater. No work will occur within aquatic habitat. Therefore, this species is not expected to occur and is not discussed further.
Amphibians				
Rana draytonii California red-legged frog	FT/--/SSC	Freshwater marshes, streams, ponds, and other semi-permanent water sources. Suitable breeding ponds and pools usually have a minimum depth of 20 inches and must contain water during the entire development period for eggs and tadpoles (typically March through August).	A	**Not Expected to Occur.** There is no suitable habitat for this species at the project site.. Closest known occurrences are approximately 6.5 miles northwest of the site and 2.1 miles south of the project site, on the opposite side of the Carquinez Strait (an impassable barrier to movement). Therefore, this species is not expected to occur and is not discussed further.

Table 4.E: Special-Status Species and Natural Communities Potentially Occurring or Known to Occur on the Project Site

Species/Common Name	Status[1]	General Habitat Description	Habitat Present/ Absent	Rationale/Potential to Occur
Spea hammondii Western spadefoot	PT/--/SSC	Associated with quiet perennial to intermittent ponds, stream pools, and wetlands. Prefers shorelines with extensive vegetation. Documented to disperse through upland habitats after rains.	A	**Not Expected to Occur.** The nearest recorded occurrences more than 40 miles to the east and south. No shallow pools are present within project site. Significant barriers to dispersal exist between the project and the nearest documented occurrence. Suitable aquatic habitat is not present in the project site. Therefore, this species is not expected to occur and is not discussed further.
Reptiles				
Actinemys marmorata Northwestern pond turtle	PF/--/SSC	Ponds, marshes, rivers, streams, and irrigation ditches with aquatic vegetation.	A	**Not Expected to Occur.** No suitable habitat is present within the project site. No seasonal wetlands or waters occur on site. The closest known occurrence is approximately 3.7 miles south of the project site, on the opposite side of the Carquinez Strait. Therefore, this species is not expected to occur and is not discussed further.
Masticophis lateralis euryxanthus Alameda whipsnake (Striped racer)	FT/ST/--	Commonly associated with small to large patches of chaparral or coastal scrub vegetation, interspersed with other native vegetation types and rock lands throughout Contra Costa County, most of Alameda County, and portions of northern Santa Clara and western San Joaquin counties.	A	**Not Expected to Occur.** The site is outside the species' known range; no suitable habitat is present within the project. There is no chaparral or coastal scrub vegetation interspersed with rocky outcroppings. Therefore, this species is not expected to occur in and is not discussed further.
Birds				
Agelaius tricolor Tri-colored blackbird	--/ST/SSC (nesting colonies)	Nesting usually occurs in areas of dense cattails and/or tall bulrushes in creeks or ponds, tall mustard (*Brassica* sp.), grain stalks in fields, or Himalayan blackberry (*Rubus armeniacus*). Fall foraging occurs largely in agricultural cropland with alfalfa and rice, irrigated pasture, lightly grazed grasslands, and livestock operations.	A	**Not Expected to Occur.** No stands of dense vegetation necessary for colony formation are present within the project site. No suitable nesting habitat is present for this species within the project site. Therefore, this species is not expected to occur and is not discussed further.
Aquila chrysaetos Golden eagle	--/--/CFP	Found in rolling foothill and mountain areas, sage-juniper flats, and deserts. Cliff-walled canyons provide nesting habitat in most parts of range.	A	**Not Expected to Occur.** Two CNDDB occurrences are present within 3 miles. One is along the ridgeline above Vallejo to the east, and the other is in the Carquinez Strait along pilings near the bridgeway. Both occurrences were documented in the 1990s, but no confirmation of presence has occurred in the last 2 decades. The species may fly over the project site, but suitable cliff walls are not present on the project site. Foraging habitat is limited and surrounded by housing and development; it is unlikely this species would utilize the small open space, and no suitable prey was

Table 4.E: Special-Status Species and Natural Communities Potentially Occurring or Known to Occur on the Project Site

Species/Common Name	Status[1]	General Habitat Description	Habitat Present/ Absent	Rationale/Potential to Occur
				observed. Therefore, this species is not expected to occur and is not discussed further.
Athene cunicularia Burrowing owl	--/SC/SSC	Frequents open grasslands and shrublands with perches and burrows. Preys upon insects, small mammals, reptiles, birds, and carrion. Nests and roosts in old burrows of small mammals.	A	**Not Expected to Occur.** No burrows of sufficient size were observed during the site visit. The foraging area is limited, and no refuge was present on site. Domestic dogs and feral cats were observed at the project site during the field survey and would likely preclude burrowing owl use. Therefore, this species is not expected to occur and is not discussed further.
Charadrius nivosus nivosus Western snowy plover	FT/--/SSC	Found primarily in open, sandy areas adjacent to water. Typically, ocean beaches and barrier islands, barren shores of inland saline lakes. Sometimes found at wastewater ponds, reservoir margins, dredge spoils, gravel or sand bars in rivers, salt evaporation ponds, and occasionally in disused parking lots.	A	**Not Expected to Occur.** Suitable nesting or foraging habitat is not present in the project. No coastal access, large bodies of water, or suitable shoreline is present. No CNDDB occurrences are documented within 5 miles of the project. Therefore, this species is not expected to occur and is not discussed further.
Circus hudsonius Northern harrier	--/--/SSC	Nests and forages in meadows, grasslands, open rangeland, and fresh or saltwater marshes.	A	**Not Expected to Occur.** Unlikely to forage on site. Not likely to nest in grasslands on site because of close proximity to development. Closest known nesting occurrence is approximately 3 miles northwest of the project. Therefore, this species is not expected to occur and is not discussed further.
Elanus leucurus White-tailed kite	--/--/FP	Typically nests in riparian trees such as oaks, willows, and cottonwoods at low elevations. Forages in open country. Found in South America and in southern areas and along the western coast of North America.	A	**Not Expected to Occur.** One CNDDB occurrence is documented 3.3 miles from the project associated with sloughs and Napa River confluence. While large trees and shrubs surround the project, the area lacks suitable foraging habitat, as it is surrounded by housing. Additionally, this species is typically averse to human disturbance for both foraging and nesting activities. Therefore, this species is not expected to occur and is not discussed further.

Table 4.E: Special-Status Species and Natural Communities Potentially Occurring or Known to Occur on the Project Site

Species/Common Name	Status[1]	General Habitat Description	Habitat Present/ Absent	Rationale/Potential to Occur
Geothlypis trichas sinuosa Saltmarsh common yellowthroat	--/--/SSC	Resident of the San Francisco Bay region, in fresh and saltwater marshes. In brackish and saline tidal marsh habitat around San Francisco Bay, yellowthroat abundance was positively associated with a high percent cover of rushes (*Schoenoplectus* spp.), peppergrass (*Lepidium latifolium*), and *Juncus.*	A	**Not Expected to Occur.** Eight CNDDB occurrences are documented between 2.3 and 5 miles from the project site. These occurrences are associated with sloughs and marsh habitat. No suitable habitat, such as fresh water or saltwater marsh, is present within the project site. Therefore, this species is not expected to occur and is not discussed further.
Laterallus jamaicensis coturniculus California black rail	--/ST/FP	Requires shallow water in salt marshes, freshwater marshes, wet meadows, or flooded grassy vegetation. Prefers areas of moist soil vegetated by fine-stemmed emergent plants, rushes, grasses, or sedges, with scattered small pools. Known from coastal California, northwestern Baja California, the lower Imperial Valley, and the lower Colorado River of Arizona and California. Now extirpated from virtually all of coastal Southern California.	A	**Not Expected to Occur**. Five CNDDB occurrences are documented between 2.2 and 4.4 miles from the project associated with sloughs and marsh habitat from Mare Island to Benicia State Recreation Area. No suitable habitat or nesting habitat is present within the project as it does not contain the shallow water or emergent wetland vegetation required to support this species. Therefore, this species is not expected to occur in the project and is not discussed further.
Melospiza melodia maxillaris Suisun song sparrow	--/--/SSC	Resident of brackish-water marshes surrounding Suisun Bay. Dense vegetation is required for nesting sites, for song perches, and as cover from predators.	A	**Not Expected to Occur.** Two CNDDB occurrences are documented between 2.3 and 3.5 miles from the project associated with Benicia State Recreation Area in the 1940s in the associated marsh habitat. No suitable habitat, brackish water marsh, is present within the project. Therefore, this species is not expected to occur and is not discussed further.
Melospiza melodia samuelis San Pablo song sparrow	--/--/SSC	Resident of salt marshes along the north side of San Francisco and San Pablo bays. Dense vegetation is required for nesting sites, for song perches, and as cover from predators.	A	**Not Expected to Occur.** Seven CNDDB occurrences are documented between 2.3 and 3 miles from the project associated with Mare Island and surrounding marshlands. No suitable habitat, brackish water marsh, is present within the project. Therefore, this species is not expected to occur and is not discussed further.
Pandion haliaetus Osprey	--/--/WL	Ocean shore, bays, freshwater lakes, and larger streams. Nesting habitat typically within 12 miles of foraging locations, large stick structures at elevated nest sites out of reach of mammalian predators.	A	**Not Expected to Occur.** Ten CNDDB occurrences are documented between 1.1 and 3.3 miles of the project. No suitable foraging habitat is present within the project. While trees do occur adjacent to the project site, no large stick nests were observed, and osprey typically use nest sites adjacent to water. No large bodies of water occur within the immediate area. Therefore, this species is not expected to occur and is not discussed further.

Table 4.E: Special-Status Species and Natural Communities Potentially Occurring or Known to Occur on the Project Site

Species/Common Name	Status[1]	General Habitat Description	Habitat Present/ Absent	Rationale/Potential to Occur
Rallus obsoletus obsoletus California Ridgway's rail	FE/SE/SFP	Along the Pacific Coast, strictly concealed in pickle weed and cordgrass in salty and brackish-water marshes, salt marsh, and sometimes in adjacent brackish marsh.	A	**Not Expected to Occur**. Seven CNDDB occurrences are documented between 2.2 and 4.1 miles from the project site. These occurrences are associated with Mare Island and surrounding marshlands. No suitable habitat, such as brackish or tidal marsh and cordgrass fens, are present within the project site. Therefore, this species is not expected to occur and is not discussed further.
Sterna antillarum browni California least tern	FE/SE/CFP	Relatively open beaches where vegetation is limited by the tidal scouring; some tern colonies nest at more inland mudflat and dredge fill sites.	A	**Not Expected to Occur.** No suitable habitat is present in the project site; no open beaches, dredge fill areas, or undisturbed mudflats occur within or adjacent to the project. No known occurrences are documented within 5 miles of the project. Therefore, this species is not expected to occur and is not discussed further.
Mammals				
Antrozous pallidus Pallid bat	--/--/SSC	Roosts in rock crevices, under bridges, in cavities and hollows in trees, and in buildings; may use occupied buildings as night roosts. Feeds primarily on terrestrial arthropods in a wide variety of open habitat.	HP	**Low potential to occur**. Could roost within trees (with hollows and cavities), adjacent buildings, and inside culverts for use as night, day, and/or maternity roost habitat. No sign of roosting bats was observed during the field survey. Suitable foraging habitat is present above or adjacent to the project site. No known occurrences are documented within 5 miles of the project site.
Reithrodontomys raviventris Salt marsh harvest mouse	FE/SE/CFP	Found in the marshes of Corte Madera, Richmond, and South San Francisco Bay. Pickleweed (*Salicornia virginica*) is primary habitat, but can occur in a variety of other marsh vegetation.	A	**Not Expected to Occur.** The project site is outside the known range for the species. Seven CNDDB occurrences have been reported within 5 miles of the project site. These occurrences have been recorded between 1.3 and 4.1 miles of the project site, within the tidal limits of Mare Island. However tidal marshland habitat is absent from the project site. Therefore, this species is not expected to occur and is not discussed further.

Table 4.E: Special-Status Species and Natural Communities Potentially Occurring or Known to Occur on the Project Site

Species/Common Name	Status[1]	General Habitat Description	Habitat Present/ Absent	Rationale/Potential to Occur
Sorex ornatus sinuosus Suisun ornate shrew	--/--/SSC	Found in tidal marshlands (1.8 to 2.4 meters). Prefers areas of low, dense vegetation. Preys on invertebrates.	A	**Not Expected to Occur** The project site is outside the known range for the species. Four CNDDB occurrence have been reported within 5 miles of the project site. These occurrences are between 1.6 and 3.3 miles of the project site and are within the tidal limits of Mare Island. However tidal marshland habitat is absent from the project. Therefore, this species is not expected to occur and is not discussed further.

Status Codes

Federal

FE: Federally listed; Endangered
FT: Federally listed; Threatened
FPT: Federally Proposed; Threatened

State

ST: State listed; Threatened
SE: State listed; Endangered
SC: State Candidate
FP: Fully Protected
WL: State Watch List
SSC: California Species of Special Concern
CA SA: Special Animal: General term that refers to taxa that the CNDDB is interested in tracking regardless of legal or protection status. Includes the following categories in addition to those listed above:
Taxa that meet the criteria for listing, even if not currently included on any list, as described in Section 15380 of the California Environmental Quality Act Guidelines.
Taxa that are biologically rare, very restricted in distribution, declining throughout their range, or have a critical, vulnerable stage in their life cycle that warrants monitoring.
Populations in California that may be on the periphery of a taxon's range but are threatened with extirpation in California.
Taxa closely associated with a habitat that is declining in California at an alarming rate (e.g., wetlands, riparian, old growth forests, desert aquatic systems, native grasslands, vernal pools, etc.)
Taxa designated as a special-status, sensitive, or declining species by other State or federal agencies, or non-governmental organization.
CNDDB = California Natural Diversity Database

California Rare Plant Rank:

CE: Candidate endangered
1A: Plants presumed extirpated in California, either rare or extinct elsewhere.
1B: Plants rare, threatened, or endangered in California and elsewhere.
2A: Plants presumed extirpated in California but common elsewhere.
2B: Plants rare, threatened or endangered in California but common elsewhere.
0.1: Plants seriously threatened California.
0.2: Plants fairly threatened in California.
0.3: Plants not very threatened in California.

Habitat Presence:

HP: Habitat is or may be present.
A: No habitat present, and no further work needed.
Natural Community
S3: Vulnerable in the State due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines

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Mitigation Measure BIO-1a **Worker Environmental Awareness Training (WEAT).** During project construction, before any work occurs on the project site, including grading, vegetation removal, and equipment staging, all construction personnel shall participate in WEAT regarding special-status species and sensitive habitats present on the project site. Any additional construction personnel who are employed following the initial start of construction shall receive the mandatory training before beginning work. As part of the training, an environmental awareness handout shall be provided to all personnel that describes and illustrates sensitive resources (i.e., special-status species and habitat, nesting birds, roosting bats) to be avoided during the proposed project construction and lists measures to be followed by personnel for the protection of biological resources.

Mitigation Measure BIO-1b **Implement General Wildlife Protection Measures During Construction.** The contractors' employees and volunteers shall implement general wildlife protection measures during construction that shall include, but may not be limited to, the following:

- Confine clearing to the minimal area necessary to facilitate construction activities.
- Clearly delineate the construction limits by using fencing, flagging, or other means prior to the start of construction activities.
- Keep all fueling and maintenance of vehicles and other mechanized equipment in designated areas. Each designated fueling/maintenance area shall be protected by a containment barrier designed to prevent any spilled or leaked fuel or other contaminants from running into an aquatic habitat or storm drains. All workers shall be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.
- Reduce the risk of spreading harmful pathogens by sanitizing all vehicles and equipment before use in natural areas. All vehicular and equipment cleaning work shall be conducted in self-contained work areas at least 100 feet from any aquatic habitat; wash water shall not be disposed of in any natural areas.
- Inspect the work area and any equipment or material left on site overnight for listed species prior to the start of construction activities each day.

- Dispose of garbage in wildlife-proof containers and remove the garbage from the construction area regularly during the construction period.
- Check under equipment and in staging areas for wildlife species each morning prior to work.
- Report to the supervisor on site any observed incident of death or injury to a special-status species or damage to habitat. The supervisor shall immediately notify the project biologist.

With implementation of Mitigation Measures BIO-1a and 1b, in conjunction with species-specific measures described below, impacts to common and special-status wildlife species would be reduced to less than significant with mitigation, by ensuring that direct and indirect effects to special-status species are avoided during project construction.

As described above, based on a review of the species' habitat requirements, the existing habitats on the site, and connections or barriers to other populations in open space lands, it was determined that three special-status animal species could be impacted by the proposed project. These species are described further below.

Crotch's and Western Bumble Bee. The Crotch's and western bumble bees are year-round residents in this portion of California and are both Candidate State Endangered Species. Both bumble bee species have the potential to occur in a variety of habitats that support foraging adjacent to the project site. Bumble bees are generalist feeders, often the first bees active in late winter and the last in fall. With such a long activity period, both species are generalists, foraging on a wide range of plant species in a wide range of weather conditions to support any colony. Bumble bees live in colonies, requiring a cavity in which to build their nest. The queens are opportunists, looking for any suitably sized cavity. Sometimes this is above ground, such as in hollow trees, abandoned bird nests, rock walls, or under a tussock of grass, but they mostly nest underground. Colonies have different divisions of labor, or castes, and have overlapping generations, usually with multiple broods throughout the spring, summer, and fall. However, the bumble bee colony has an annual life cycle, and at the end of the summer, the foundress queen, her workers, and male offspring will all die; only the newly emerged, fertilized queens survive to hibernate through the winter, after which the life cycle repeats. The closest documented occurrence for the western bumble bee is located 2.13 miles east of the project site. Suitable foraging habitat occurs adjacent to the project site in the form of gardens and landscaping. No suitable burrows were observed within the project site, but they may occur in adjacent open landscapes. The project site contains compacted soils, which reduces the likelihood of suitable burrows or cavities to be present.

Should Crotch's or western bumble bee colonies or overwintering queens be present in underground nests on the project site, construction activities could adversely affect this species and its habitat. Destruction of nest sites would be considered significant. Implementation of the following mitigation measures would reduce potential impacts to Crotch's and western bumble bees to a less than significant level.

Mitigation Measure BIO-2a **Crotch's and Western Bumble Bee Pre-Construction Surveys.** Prior to project construction, the Greater Vallejo Recreation District (GVRD) shall retain a qualified biologist to conduct a pre-construction survey consistent with *Survey Considerations for California Endangered Species Act (CESA) Candidate Bumble Bee Species*. Surveys shall be conducted by a qualified biologist familiar with the behavior and life history of Crotch's and western bumble bees.

Surveys shall be conducted during the colony active period (i.e., March through August) prior to construction and when floral resources are in peak bloom. Bumble bees move nest sites each year; therefore, surveys shall be conducted each year that project work activities occur. The Qualified Biologist shall conduct a habitat assessment during the peak bloom period for floral resources on which Crotch's and western bumble bees feed. If no Crotch's or western bumble bees are identified, no further mitigation is required.

Mitigation Measure BIO-2b **Crotch's and/or Western Bumble Bee Avoidance Plan.** If Crotch's bumble bees are detected during pre-construction surveys, a Crotch's and/or western bumble bee avoidance plan shall be developed and provided to the California Department of Fish and Wildlife (CDFW) for review prior to work activities involving ground disturbance or vegetation removal. At minimum, a buffer area of 50 feet shall be established around the hive burrow/cavity, and the buffer area shall be fenced to prevent inadvertent fenced disturbance during construction. The GVRD shall incorporate CDFW's comments into the avoidance plan. If take of Crotch's or western bumble bee cannot be avoided, the GVRD shall consult with CDFW pursuant to CESA and obtain an Incidental Take Permit before project activities may commence.

Mitigation Measures BIO-2a and BIO-2b would reduce potential direct impacts to Crotch's and western bumble bees to a less than significant level by requiring pre-construction surveys, development of an avoidance plan, and take authorization, if needed. With implementation of Mitigation Measures BIO-2a and BIO-2b, impacts to Crotch's and western bumble bees would be less than significant with mitigation incorporated.

Nesting Birds. The site contains a few large mature trees or shrubs that may provide some shelter and nesting habitat for resident and migratory bird species occurring in the region (e.g., California scrub-jay [*Aphelocoma californica*], northern mockingbird, American crow, and mourning dove). Although the species likely to use the project site are considered common and widespread, their active nests are protected from removal by a variety of State and federal laws, including California Fish and Game Code Sections 3503, 3503.5, and 3513 and the Migratory Bird

Treaty Act (MBTA). The nesting season in Solano County is generally considered to extend from February 1 through August 31, but some species can begin nesting as early as late December and January.

Active nests (i.e., nests containing viable eggs or young) of native birds could be adversely affected by vegetation clearing and construction activities. Adverse effects to active nests would be considered significant under CEQA. Implementation of the following mitigation measure would reduce potential impacts to nesting birds to a less than significant level.

Mitigation Measure BIO-3

Nesting Bird Surveys and Avoidance Measures. New work with the potential to impact nesting birds (including demolition, vegetation removal, and grading) shall be restricted to the non-nesting season (September 1 through January 31). If that is not possible, prior to construction activities occurring during the nesting bird season (February 1 through August 31), pre-construction activity surveys for nesting birds shall be conducted by a qualified biologist to ensure that no nests will be disturbed during project implementation. Surveys shall be conducted no more than 7 days prior to the initiation of construction activities. During this survey, the biologist shall inspect all trees and other potential nesting habitats (e.g., shrubs, ground, and structures) in the impact area plus a surrounding 300-foot buffer for nests. If removal of potential nesting substrate or project grading will occur during more than one nesting season, or in different parts of the project site in phases over the course of a single season, then additional pre-activity surveys must be performed within 7 days prior to initiation of work in any particular area. If the pre-construction activity survey does not identify the presence of any active nests on or within 300 feet of the site, construction activities may proceed.

If nests known to have eggs or young, or that cannot be confirmed to be inactive or to lack eggs or young, are found, or adults are demonstrating nesting behavior, a qualified biologist shall establish an appropriate construction-free buffer around each nest. Generally, a buffer of 300 feet for raptors or 100 feet for songbirds is adequate to avoid causing nest abandonment. The buffer shall remain in place until the qualified biologist has confirmed the nest is no longer active.

If less than a 100-foot nest buffer is necessary and determined to be appropriate for a particular nest or nests, a qualified biologist shall monitor the nest(s) before construction to document baseline nesting behavior, and then monitor the nest during construction to ensure nesting birds are not exhibiting signs of stress and territorial behavior. If signs of stress are observed

during the monitoring, construction activities shall cease or the buffer shall be increased, as determined by a qualified biologist, to a sufficient distance such that the nesting birds are no longer exhibiting signs of stress.

To prevent encroachment, the buffer shall be clearly marked for avoidance. The established buffer shall remain in effect until the young have fledged or the nest is no longer active as confirmed by the biologist.

Implementation of Mitigation Measure BIO-3 would reduce potential impacts to nesting birds to a less than significant level by prohibiting construction activity during the nesting season, conducting pre-construction surveys, and establishing buffers around identified nests. With implementation of Mitigation Measure BIO-3, impacts to nesting birds would be less than significant with mitigation incorporated.

Pallid Bat and Roosting Bats. The pallid bat is a California Species of Special Concern that could roost and/or forage within the site. Pallid bats roost in caves, tunnels, and occasionally buildings and hollow trees. Suitable roosting habitat may be present in the structures and larger trees on and adjacent to the site. No bat roosts or signs of roosting bats were observed in the on-site structure or trees during the reconnaissance-level survey.

Bats, including special-status bats such as the pallid bat, could roost in the large trees and forage on the project site. Roosting bats could be disturbed, killed, or injured during tree removal, if they are present during construction activities. Disturbance of roosting special-status bats would be a potentially significant impact.Implementation of the following mitigation measure would reduce potential impacts to roosting bats to a less than significant level.

Mitigation Measure BIO-4 **Pallid Bat and Roosting Bats.** The project shall avoid removal of structures or trees that provide potential bat roosting habitat during the bat maternity season (April 15–September 1) and hibernation season (October 15–March 1). If these seasonal windows cannot be avoided, a qualified biologist shall conduct visual pre-construction surveys, as well as daytime and evening acoustic surveys for roosting pallid bat and other bat species at all suitable bat roosting habitat, including any trees proposed for removal and adjacent suitable habitat that would be subject to noise disturbance. The surveys shall be conducted no more than 14 days prior to the beginning of construction removal of potential habitat. If bats are found or suspected to be roosting within the project site, the qualified biologist shall identify the species, estimated quantity present, roost type, and roost status. The qualified biologist shall avoid disturbing bats during surveys. Under no circumstances shall an active maternity roost be removed or disturbed. Work on structural refugia shall not be performed under any of the following conditions: during any

precipitation events, when ambient temperatures are below 4.5 degrees Celsius, when wind speeds exceed 11 miles per hour, and/or any other condition that may lead to bats seeking refuge.

If bats are found to be roosting within trees proposed for removal by the project, the qualified biologist shall develop a Bat Mitigation and Monitoring Plan, which shall include: (1) an assessment of all direct and indirect project impacts to bats based on survey results; (2) effective avoidance and minimization measures to protect bats based on species and roost type(s) to be impacted; and (3) compensatory mitigation for permanent impacts to maternity roosts, if impacted. Compensatory mitigation shall be appropriate for the species impacted and commensurate with the impacts and may include installation of replacement habitat on site (e.g., bat boxes) on a temporary and permanent basis. The Bat Mitigation and Monitoring Plan shall describe any monitoring and maintenance activities necessary to ensure the compensatory habitat remains effective.

Implementation of Mitigation Measure BIO-4, which requires a focused habitat assessment and measures for bat avoidance and exclusion (as needed), would reduce potential construction-related impacts on special-status bats to less than significant. With implementation of Mitigation Measure BIO-4, impacts to special-status bats would be less than significant with mitigation incorporated.

With implementation of Mitigation Measures BIO-1 through BIO-4, impacts to special-status wildlife, including Crotch's bumble bee, western bumble bee, nesting birds, pallid bat, and other roosting bats would be reduced to a less than significant level. This impact would be less than significant with mitigation incorporated.

b. Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? ***(No Impact)***

CDFW tracks the occurrences of natural plant communities that are of limited distribution statewide or within a county or region and that are often vulnerable to environmental effects of projects. *A Manual of California Vegetation, Second Edition*[27] lists vegetation alliances with State rarity rankings of S1–S3 as considered "highly imperiled," and project impacts to "high-quality occurrences" of these alliances could be considered significant under CEQA. Most types of wetlands, including alkali wetlands, and riparian communities are also considered sensitive natural communities due to their limited distribution in California. The CNDDB identified two potential

[27] Sawyer, J.O., T. Keeler-Wolf, and J.M. Evens. 2009. *A Manual of California Vegetation*. Second Edition. California Native Plant Society Press, Sacramento.

sensitive natural communities within 5 miles of the project site: Northern Coastal Salt Marsh and Serpentine Bunch Grass.

The project site was previously graded and contains site improvements consisting of building pads, drive aisles, parking areas, underground utilities, parking lot lighting, ornamental landscaping, fencing, and signage. The project site does not contain riparian habitat or other sensitive natural communities. No sensitive plant communities were observed during the reconnaissance-level survey. No riparian habitat or other sensitive natural communities occur at the project site. Therefore, the proposed project would not have a substantial adverse effect on any riparian habitat or other sensitive natural community**.** No impact would occur.

c. Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? ***(No Impact)***

The project site was previously graded and contains site improvements consisting of building pads, drive aisles, parking areas, underground utilities, parking lot lighting, ornamental landscaping, fencing, and signage. The project site does not contain any waterways or isolated wetlands that would be classified as jurisdictional features. Therefore, the proposed project would not have a substantial adverse effect on State or federally protected wetlands (including, but not limited to, marshes, vernal pools, coastal wetlands, etc.) through direct removal, filling, hydrological interruption, or other means. No impact would occur.

d. Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? ***(Less Than Significant Impact)***

Wildlife Movement Corridors. Wildlife movement includes migration (i.e., usually annual roundtrip), inter-population movement (i.e., long-term genetic flow), and small travel pathways (i.e., daily movement corridors within an animal's territory). While small travel pathways usually facilitate movement for daily home range activities such as foraging or escape from predators, they also provide connection between outlying populations and the main corridor, permitting an increase in gene flow among populations. Landscape elements that facilitate local and/or regional wildlife movement include stream drainages, canyons, ridges, or other prominent natural or man-made landscape features.

The project site is currently developed with an existing recreation area and is surrounded by urban development. The project site was previously graded and contains site improvements consisting of building pads, drive aisles, parking areas, underground utilities, parking lot lighting, ornamental landscaping, fencing, and signage. The project site does not contain any features commonly associated with wildlife or fish movement (waterways, arroyos, ridgelines, etc.).

Wildlife that currently move through or around the project site would likely continue to move through or around the site during and after construction of the project since most of the species that are likely to occur in the area are generalists that are adept at moving through urban landscapes. Therefore, impacts to wildlife movement corridors would be less than significant.

Nursery Sites. The project site does not contain native wildlife nursery sites (e.g., heron rookeries or salmonid spawning areas). Implementation of Mitigation Measures BIO-3 and BIO-4 would reduce potential impacts to any bat roosts or bird nests, if present, to a less than significant level.

Given that the proposed project would not interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites, related impacts would be less than significant.

e. Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? ***(Less Than Significant Impact)***

As described above, the project site was previously graded and contains site improvements consisting of building pads, drive aisles, parking areas, underground utilities, parking lot lighting, ornamental landscaping, fencing, and signage. It does not support any sensitive natural communities or jurisdictional wetlands. Trees on the site could provide nesting and/or roosting habitat for protected bird and bat species, and the project site contains potential suitable habitat for special-status bee species. Implementation of Mitigation Measures BIO-1 through BIO-4 would reduce potential impacts to nesting birds, bats, and special-status bumble bees to a less than significant level.

The proposed project is located on property owned by the Vallejo City Unified School District and would be implemented by the GVRD under a long-term lease agreement. Project improvements are subject to review and approval by the California Division of the State Architect (DSA), which has jurisdiction over applicable design and construction on school district properties. The DSA has no specific policies or ordinances protecting biological resources.

As outlined in Section 2.0, Project Description, landscaping in the park includes existing trees. As part of the proposed project, ten existing trees would be removed, five of which were recommended for removal due to their poor conditions, as listed in Table 4.F.

Table 4.F: Trees to Be Removed

Tree Number	Common Name	Botanical Name	Diameter at Breast Height	Condition
9	Red Oak	*Quercus rubra*	18 inches	Good
12*	London plane tree	*Platanus x acerifolia*	18 inches	Poor
19*	London plane tree	*Platanus x acerifolia*	24 inches	Poor
18	Monterey cypress	*Cupressus macrocarpa*	24 inches	Good
29*	Lombardy poplar	*Populus nigra 'italica'*	24 inches	Poor
30*	Lombardy poplar	*Populus nigra 'italica'*	24 inches	Poor
31	Lombardy poplar	*Populus nigra 'italica'*	24 inches	Fair
32	Lombardy poplar	*Populus nigra 'italica'*	24 inches	Fair
33*	Lombardy poplar	*Populus nigra 'italica'*	24 inches	Fair
34	Lombardy poplar	*Populus nigra 'italica'*	24 inches	Fair

Source: Callander Associates (2026).
* Removal recommended per arborist report

However, the proposed project would include installation of new landscaping, including trees and groundcover, throughout the park; the exact number of trees to be planted would be identified as part of the final landscape plan. Therefore, the project as proposed, would not conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance. This impact would be less than significant.

f. Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? ***(No Impact)***

The project site is within the boundaries of the administrative draft Solano Habitat Conservation Plan (HCP). The HCP has not been adopted at this time. Therefore, the proposed project would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan. **No impact** would occur.

4.5 CULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☒	☐	☐
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c. Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

*a. Would the project cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5? **(Less Than Significant with Mitigation Incorporated)***

CEQA defines a "historical resource" as a resource that meets one or more of the following criteria:

- Listed in, or eligible for listing in, the California Register of Historical Resources (California Register);
- Listed in a local register of historical resources as defined in Public Resources Code (PRC) Section 5020.1(k);
- Identified as significant in a historical resource survey meeting the requirements of Section 5024.1(g) of the PRC; or
- Determined to be a historical resource by a project's lead agency (PRC Section 21084.1 and *State CEQA Guidelines* Section 15064.5[a]).

The California Register defines a "historical resource" as a resource that meets one or more of the following criteria: (1) associated with events that have made a significant contribution to the broad patterns or local or regional history of the cultural heritage of California or the United States; (2) associated with the lives of persons important to local, California, or national history; (3) embodies the distinctive characteristics of a type, period, region, or method of construction or represents the work of a master or possesses high artistic values; or (4) has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation. Under CEQA, historical resources can include precontact (i.e., Native American) archaeological deposits, historic-period archaeological deposits, historic buildings, and historic districts.

LSA conducted a cultural resources study[28] for the proposed project consisting of background research and a field survey. The results of the study are summarized below.

[28] LSA. 2026. *Phase I Cultural Resources Assessment, Franklin Recreation Center Park Improvements Project. Vallejo, Solano County, California.* March.

Background Research. On November 21, 2025, the staff of the Northwest Information Center (NWIC) conducted a records search (#25-0715) of the project site and a 0.5-mile radius. The NWIC, an affiliate of the State of California Office of Historic Preservation, is the official State repository of cultural resource records and reports for Solano County. As part of the background research, local and State inventories for cultural resources were also reviewed and the NAHC was contacted. No recorded cultural resources were identified within the project site; 17 resources were identified within the 0.5-mile radius.

Sacred Lands File Search. On October 28, 2025, LSA sent an email describing the project with maps depicting the study area to the NAHC requesting a review of the Sacred Lands File (SLF) to determine the potential presence of Native American cultural resources that might be affected by the proposed project. Pricilla Torres-Fuentes, NAHC Cultural Resource Analyst, responded via email on October 28, 2025, stating that a search of the SLF for the study area had negative results for Native American cultural resources within the project site.

Field Survey. On January 28, 2026, a cultural resources intensive pedestrian survey of the project area was conducted. The pedestrian survey began at the southernmost end of the project area and was concluded at the northern end. A total of 100 percent of the project area was inventoried. Ground visibility was poor to fair, ranging from 0 to 30 percent. No cultural resources were observed during the field survey.

The surrounding landscape is essentially comprised of residential neighborhoods and a school bordering the project area to the east. Nearly the entire project area consists of a large, abandoned sports field. The field is overgrown with grasses and weeds and houses a number of modern sports structures including four open baseball batting cages with associated unmaintained infields, one enclosed batting cage, one restroom building, and one snack shack. The large, grassy field is bounded by chain-link fencing. Historic aerial photographs from the 1940s show a cluster of buildings in the southern portion of the project area, these structures have since been demolished. Furthermore, no surficial evidence of the historic-era structures was identified during the field survey.

Summary of Results. The NWIC records search identified no cultural resources on the project site. As outlined in Section 2.0, Project Description, the project site was previously developed as Benjamin Frankin Middle School, which opened on July 1, 1980, and closed in June 2020.[29] The project site consists of the western portion of the 14.70-acre parcel, making up the sports fields and turf areas associated with the former middle school. The perimeter of the site currently has a variety of fence types and some ornamental landscaping and trees.

No built-environment historical resources are present at the project site. Although the cultural resources study did not yield historically significant resources, there is a possibility that the proposed project could impact as-yet-unrecorded, subsurface deposits on the project site. Should archaeological deposits be encountered during project ground disturbance, a substantial adverse

[29] California Department of Education. n.d. California School Directory. Franklin Middle. Website: https://www.cde.ca.gov/schooldirectory/details?cdscode=48705816062129 (accessed September 23, 2025).

change in the significance of a historical resource would occur from its demolition, destruction, relocation, or alteration such that the significance of the resource would be materially impaired (*CEQA Guidelines* Section 15064.5(b)(1)). To mitigate this potential impact, the GVRD would be required to implement Mitigation Measure CUL-1. With implementation of Mitigation Measure CUL-1, potential impacts to historical resources would be reduced to less than significant.

Mitigation Measure CUL-1a: **Worker Environmental Awareness Program (WEAP) Training.** Prior to commencement of any ground-disturbing activity, all personnel involved in project-related ground-disturbing activities (e.g., on-site construction managers, equipment operators and other crew) shall be required to participate in a workers' environmental awareness program (WEAP) training prior to any such activities. The training shall include relevant information regarding cultural resources including applicable regulations and consequences of violating State laws and regulations and will also describe communication and procedural protocols (including avoidance) in the event cultural resources are encountered. The training shall be presented by a professional archaeologist (RPA or RA) and will emphasize the requirement for confidentiality and culturally appropriate treatment of all archaeological discoveries.

Mitigation Measure CUL-1b: **Undiscovered Archaeological Resources.** Should an archaeological deposit be encountered during project subsurface construction activities, all ground-disturbing activities within 50 feet shall be redirected until the find can be assessed. All Tribal cultural and archaeological resources unearthed by project construction activities shall be evaluated by a qualified archaeologist and (if appropriate) Tribal monitor/consultant. If the resources are Native American in origin, interested Tribes (identified though consultation with regional/local Tribes) shall coordinate with the Greater Vallejo Recreation District (GVRD) regarding treatment and curation of these resources. Typically, the Tribe will request preservation in place or recovery for educational purposes. Work may continue on other parts of the project while evaluation takes place.

Preservation in place shall be the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavation to remove the resource along with subsequent laboratory processing and analysis. All Tribal cultural resources shall be returned to the Tribe. Any historic-period archaeological material that is not Native American in origin shall be offered for curation at a public, non-profit institution with a research interest in the materials if such an institution agrees to accept the material. If no institution accepts the

archaeological materials, they shall be offered to the Tribe or to a local school or historical society for educational purposes.

Any archaeological and Native American monitoring and excavation during construction projects shall be consistent with current professional standards. All feasible care to avoid any unnecessary disturbance, physical modification, or separation of human remains and associated funerary objects shall be taken. Principal personnel shall meet the Secretary of the Interior's standards for archaeology and have a minimum of 10 years of experience as a principal investigator working with Native American archaeological sites in California. The qualified archaeologist shall ensure that all other personnel are appropriately trained and qualified.

With implementation of Mitigation Measure CUL-1, which requires worker environmental awareness training, and work stoppage in the event of an archaeological discovery, potential impacts to archaeological historical resources would be reduced to a less than significant level with mitigation incorporated.

b. Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? ***(Less Than Significant with Mitigation Incorporated)***

According to *State CEQA Guidelines* Section 15064.5(c)(1), "When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource." Those archaeological sites that do not qualify as historical resources shall be assessed to determine if they qualify as "unique archaeological resources" (PRC Section 21083.2).

Archaeological deposits identified during project construction would be treated by the City and Project Applicant in consultation with a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archaeology, in accordance with Mitigation Measure CUL-1. With implementation of Mitigation Measure CUL-1, identified above, impacts to archaeological resources would be less than significant with mitigation incorporated.

c. Would the project disturb any humans remains, including those interred outside of formal cemeteries? ***(Less Than Significant Impact)***

Based on previous archaeological investigation and analysis, there is a potential for the disturbance of human remains. If human remains are encountered at the project site, State Health and Safety Code Section 7050.5 and *State CEQA Guidelines* Section 15064.5(e)(1) state that no further disturbance shall occur to the area of the find until the Solano County Coroner has made a determination of origin and disposition of the human bone pursuant to PRC Section 5097.98. The County Coroner must be notified of the find immediately and shall make a determination within 2 working days of being notified. If the remains are determined to be Native American, the County Coroner shall notify the NAHC by phone within 24 hours, and the NAHC shall then immediately determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall

complete the inspection and make recommendations or preferences for treatment of the remains within 48 hours of being granted access to the site. The MLD's recommendations may include scientific removal and nondestructive analysis of human remains and items associated with Native American burials, preservation of Native American human remains and associated items in place, relinquishment of Native American human remains and associated items to the descendants for treatment, or any other culturally appropriate treatment.

Compliance with Section 7050.5 of the California Health and Safety Code and PRC Section 5097.98 regarding the treatment of human remains would ensure that potential impacts to human remains would be less than significant.

4.6 ENERGY

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?	☐	☐	☒	☐
b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

*a. Would the project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation? **(Less Than Significant Impact)***

The proposed project would result in a small increase in the demand for electricity and gasoline. The discussion and analysis provided below is based on data included in the CalEEMod output, which is included in Appendix A.

Construction-Period Energy Use. The anticipated construction schedule assumes that the proposed project would be built in 12 months. Construction specific phases were assessed for their energy consumption under each construction sub-phase: grading, site preparation, paving, and architectural coating activities.

Construction of the proposed project would require energy for the manufacture and transportation of construction materials, preparation of the site for grading activities, and construction of the proposed park improvements. Petroleum fuels (e.g., diesel and gasoline) would be the primary sources of energy for these activities. In order to increase energy efficiency on the site during project construction, the idling times for construction vehicles would be restricted to 5 minutes or less and construction workers would be required to shut off idle equipment, as required by Mitigation Measure AIR-1. In addition, construction activities are not anticipated to result in an inefficient use of energy, as gasoline and diesel fuel would be supplied by construction contractors that would conserve the use of their supplies to minimize their costs on the project. Energy usage on the project site during construction would be temporary in nature and would be relatively small in comparison to the State's available energy sources.

Additionally, the proposed project would include the construction of new park facilities and associated improvements. As such, construction associated with the proposed project would be minimal and would only serve to renovate and enhance Franklin Recreation Center Park. Therefore, impacts would be less than significant.

Operational Energy Use. Energy use consumed by the proposed project would be associated with electricity consumption and fuel used for vehicle trips associated with the project. The proposed project would not utilize natural gas, and no natural gas demand is anticipated during operation of

the proposed project. Energy consumption was estimated for the project using default energy intensities by land use type in CalEEMod.

In addition, the proposed project would result in energy usage associated with gasoline to fuel project-related trips. The average fuel economy for light-duty vehicles (autos, pickups, vans, and SUVs) in the United States has steadily increased from about 14.9 miles per gallon (mpg) in 1980 to 22.6 mpg in 2023.[30] The average fuel economy for heavy-duty trucks in the United States has also steadily increased, from 5.7 mpg in 2013 to a projected 8.0 mpg in 2021.[31] Fuel use associated with vehicle and truck trips generated by the proposed project was calculated based on the project's trip generation described in Section 4.17, Transportation, which identifies that the proposed project would generate approximately 145 average daily trips. The amount of operational fuel use was estimated using CARB's EMFAC2025 model, which provided projections for typical daily fuel usage in Solano County.

Table 4.G, below, shows the estimated potential increased energy usage associated with the proposed project.

Table 4.G: Estimated Annual Energy Use of Proposed Project

Electricity Use (kWh per year)	Natural Gas (Therms per year)	Gasoline (gallons per year)	Diesel (gallons per year)
14,424	0	12,277	7,727

Source: LSA (January 2026).

As shown in Table 4.G, the estimated potential increased electricity demand associated with the proposed project is 14,424 kilowatt-hours (kWh) per year. In 2024, Solano County consumed 3,216 gigawatt-hours (GWh), or approximately 3,216,000,000 kWh.[32] Therefore, electricity demand associated with the proposed project would be less than 0.01 percent of Solano County's total electricity demand.

In addition, the proposed project would result in energy usage associated with gasoline and diesel to fuel project-related trips. As shown above in Table 4.G, the increase in vehicle trips associated with the proposed project would consume approximately 12,277 additional gallons of gasoline and 7,727 additional gallons of diesel fuel. Based on fuel consumption obtained from EMFAC2025, approximately 140.5 million gallons of gasoline and approximately 56.9 million gallons of diesel fuel will be consumed from vehicle trips in Solano County in 2027. Therefore, fuel demand generated by vehicle trips associated with the proposed project would increase the annual fuel use in Solano

30 United States Department of Transportation (USDOT). 2025. "Table 4-23: Average Fuel Efficiency of U.S. Light Duty Vehicles." Website: https://www.bts.gov/content/average-fuel-efficiency-us-light-duty-vehicles (accessed January 2026).

31 California Energy Commission (CEC). 2015. "Medium and Heavy-Duty Truck Prices and Fuel Economy 2013–2026." September.

32 California Energy Commission (CEC). n.d. "Electricity Consumption." Website: https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/california-energy-consumption-dashboards-0 (accessed January 2026)

County by 0.01 percent for gasoline fuel usage and by 0.01 percent for diesel fuel usage. Therefore, the proposed project would result in fuel usage that is a minimal fraction of current annual fuel consumption in Solano County.

In addition, the proposed project would be constructed using energy-efficient modern building materials and construction practices. The expected energy consumption during construction and operation of the proposed project would be consistent with typical usage rates for park facilities.

Pacific Gas and Electric Company (PG&E) is the private utility that would supply the proposed project's electricity and natural gas services. In 2022, approximately 40 percent of PG&E's delivered electricity came from renewable sources, including solar, wind, geothermal, small hydroelectric, and various forms of bioenergy.[33] PG&E reached California's 2020 renewable energy goal in 2017 and is positioned to meet the State's 60 percent by 2030 renewable energy mandate set forth in Senate Bill (SB) 100. In addition, PG&E plans to continue to provide reliable service to its customers and upgrade its distribution systems as necessary to meet future demand.

Therefore, the proposed project would not result in the wasteful, inefficient, or unnecessary consumption of fuel or energy and would incorporate renewable energy or energy efficiency measures into building design, equipment use, and transportation. Therefore, construction- and operation-period impacts would be less than significant, and no mitigation would be required.

b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency? ***(Less Than Significant Impact)***

In 2002, the State Legislature passed Senate Bill (SB) 1389, which required the California Energy Commission (CEC) to develop an integrated energy plan every 2 years for electricity, natural gas, and transportation fuels for the California Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for zero-emission vehicles and their infrastructure needs, and encouragement of urban designs that reduce VMT and accommodate pedestrian and bicycle access.

The most recently adopted CEC energy report is the *2025 Integrated Energy Policy Report.*[34] The *2025 Integrated Energy Policy Report* provides the results of the CEC's assessments of a variety of energy issues facing California. Many of these issues will require action if the State is to meet its climate, energy, air quality, and other environmental goals while maintaining energy reliability and controlling costs. The *2025 Integrated Energy Policy Report* covers a broad range of topics, including

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33 Pacific Gas & Electric Company (PG&E). 2023. *Exploring Clean Energy Solutions*. Website: https://www.pge.com/en/about/corporate-responsibility-and-sustainability/taking-responsibility/clean-energy-solutions.html (accessed March 2025).

34 California Energy Commission (CEC). 2025. *2025 Integrated Energy Policy Report.* Website: https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report-iepr/2025-integrated-energy-policy-report (accessed March 2025).

implementation of SB 350, integrated resource planning, distributed energy resources, transportation electrification, solutions to increase resiliency in the electricity sector, energy-efficiency barriers faced by disadvantaged communities, demand response, transmission and landscape-scale planning, the California Energy Demand Preliminary Forecast, the preliminary transportation energy demand forecast, renewable gas (in response to SB 1383), updates on Southern California electricity reliability, natural gas outlook, and climate adaptation and resiliency.

As indicated above, energy usage on the project site during construction would be temporary in nature. In addition, energy usage associated with operation of the proposed project would be relatively small in comparison to the State's available energy sources, and energy impacts would be negligible at the regional level. Because California's energy conservation planning actions are conducted at a regional level, and because the project's total impact to regional energy supplies would be minor, the proposed project would not conflict with California's energy conservation plans as described in the CEC *2025 Integrated Energy Policy Report.* Therefore, the proposed project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency, and this impact would be less than significant.

4.7 GEOLOGY AND SOILS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☐	☒
ii. Strong seismic ground shaking?	☐	☐	☒	☐
iii. Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv. Landslides?	☐	☐	☐	☒
b. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

a. Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

*i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. **(No Impact)***

The State of California enacted the Alquist-Priolo Earthquake Fault Zoning Act in 1972, requiring the State Geologist to delineate Earthquake Fault Zones (EFZs) along known active faults that have high potential for fault rupture. Active faults are defined as a fault that has surface displacement within the last 11,000 years.[35] State regulations prohibit habitable structures from being sited within 50 feet of an active fault. The project site is not located within or adjacent to an Alquist-Priolo EFZ.[36] Therefore,

[35] California Department of Conservation (DOC). 2023. Alquist-Priolo Earthquake Fault Zones. Website: https://www.conservation.ca.gov/cgs/alquist-priolo (accessed January 19, 2023).

[36] California Geological Survey (CGS). 2021. California Earthquake Hazards Zone Application. Website: https://maps.conservation.ca.gov/cgs/EQZApp/app/ (accessed January 19, 2023).

fault rupture through the site is not anticipated, and the proposed project would not directly or indirectly cause substantial adverse effects related to fault rupture. No impact would occur.

ii. Strong seismic ground shaking? ***(Less Than Significant Impact)***

Ground shaking is a general term referring to all aspects of motion of the Earth's surface resulting from an earthquake and is normally the major cause of damage in seismic events. The extent of ground shaking is controlled by the magnitude and intensity of the earthquake, distance from the epicenter, and local geologic conditions. The magnitude of a seismic event is a measure of the energy released by an earthquake; it is assessed by seismographs that measure the amplitude of seismic waves. The intensity of an earthquake is a subjective measure of the perceptible effects of a seismic event at a given point. The Modified Mercalli Intensity (MMI) scale is the most commonly used scale to measure the subjective effects of earthquake intensity. It uses values ranging from I to XII.[37]

The closest significant earthquake fault to Vallejo is the Concord-Green Valley Fault, which is located roughly 7 miles east-northeast. The USGS estimates that the probability of a magnitude 6.7 or greater earthquake prior to the year 2036 for the Concord-Green Valley Fault is roughly 3 percent.[38] The project site could experience significant ground shaking during a major earthquake in the San Francisco Bay Area to the west.

The most significant adverse impact associated with strong seismic shaking is potential damage to structures and improvements and possible injury or loss of life. The proposed project would renovate and relocate existing park features and construct new turf fields, a concessions/picnic area, pickleball courts, basketball courts, and play structures. Implementation of the proposed project would increase the use of the project site and result in the construction of improvements in an areas subject to seismic shaking.

The proposed project is located on property owned by the Vallejo City Unified School District and would be implemented by the GVRD under a long-term lease agreement. Project improvements are subject to review and approval by the DSA, which has jurisdiction over applicable design and construction on school district properties. DSA review ensures compliance with applicable building codes and regulations related to structural integrity, fire and life safety, and accessibility.

The risk of ground shaking impacts is reduced through adherence to the design and materials standards set forth in building codes. The DSA has adopted the 2025 California Building Code (CBC) (Title 24, Part 2, of the California Code of Regulations [CCR]) (effective January 1, 2026), which provides for stringent construction requirements on projects in areas of high seismic risk. The design and construction for the proposed project would be required to conform with, or exceed, current best standards for earthquake-resistant construction in accordance with the most recent CBC

[37] United States Geological Survey (USGS). 2018. The Modified Mercalli Intensity Scale. Website: www.usgs.gov/natural-hazards/earthquake-hazards/science/modified-mercalli-intensity-scale?qt-science_center_objects=0#qt-science_center_objects (accessed April 2025).

[38] City of Vallejo. 2016. *Propel Vallejo General Plan Update and Sonoma Boulevard Specific Plan EIR for the City of Vallejo*. July. Page 4.5-10. Website: https://www.cityofvallejo.net/common/pages/GetFile.ashx?key=IRISAczs (accessed October 3, 2025).

adopted by the DSA and with the generally accepted standards of geotechnical practice for seismic design in Northern California.

Adherence to the 2022 CBC requires a site-specific geotechnical investigation to be performed for the proposed project to evaluate soil stability, soil strength, position and adequacy of load-bearing soils, the effect of moisture variation on soil-bearing capacity, compressibility, liquefaction, and expansiveness, as well as a geotechnical report prepared to provide recommendations on foundation type and design criteria. Compliance with the requirements of the CBC would ensure that impacts associated with seismic hazards would be less than significant.

iii. Seismic-related ground failure, including liquefaction? ***(Less Than Significant Impact)***

Liquefaction is the transformation of loose, fine-grained sediment to a fluid-like state similar to quicksand. This phenomenon occurs due to strong seismic activity and lessens the soil's ability to support a structural foundation. The primary factors affecting the possibility of liquefaction in soil are: (1) intensity and duration of earthquake shaking; (2) soil type and relative density; (3) overburden pressures; and (4) depth to groundwater. Soil most susceptible to liquefaction is clean, loose, fine-grained sands and non-plastic silts that are saturated.

The California Geological Survey (CGS) has mapped Seismic Hazard Zones that delineate areas susceptible to liquefaction and/or landslides that require proposed new developments in these areas to conduct additional investigation to determine the extent and magnitude of potential ground failure. The project site is located in an area for which earthquake-induced landslide and liquefaction hazards have not yet been evaluated by CGS.[39] Portions of the city are mapped as having very high liquefaction potential; however, according to the City's General Plan Environmental Impact Report (EIR), the project site has low liquefaction potential.[40] Nonetheless, the design and construction of the proposed project would be required to conform with, or exceed, current best standards for earthquake-resistant construction in accordance with the most recent CBC adopted by the City and with the generally accepted standards of geotechnical practice for seismic design in Northern California. Compliance with the CBC seismic design standards and completion of the required site-specific geotechnical investigation would ensure that potential impacts associated with liquefaction would be less than significant.

iv. Landslides? ***(No Impact)***

A landslide generally occurs on relatively steep slopes and/or on slopes underlain by weak materials. Topographically, the site is relatively flat, with elevations of approximately 50 feet above mean sea level. A small embankment separates the existing fields from the former Benjamin Franklin Middle School buildings. No habitable structures would be constructed as part of the proposed project, nor would construction of the proposed project increase the potential for landslide hazards, as no slopes

[39] California Geological Survey (CGS). 2019. California Earthquake Hazards Zone Application. Website: maps.conservation.ca.gov/cgs/EQZApp/app/ (accessed October 7, 2025).

[40] City of Vallejo. 2016. *Propel Vallejo General Plan Update and Sonoma Boulevard Specific Plan EIR for the City of Vallejo*. July. Figure 4.5-4. Website: https://www.cityofvallejo.net/common/pages/GetFile.ashx?key=IRISAczs (accessed October 7, 2025).

are present in proximity to the project site. Therefore, the proposed project would not expose people or structures to potential substantial adverse effects from landslides. No impact would occur.

b. Would the project result in substantial soil erosion or the loss of topsoil? ***(Less Than Significant Impact)***

Topsoil is defined as the upper part of the soil profile that is relatively rich in humus and is technically known as the A-horizon of the soil profile.[41] The potential for soil erosion exists during the period of earthwork activities and between the time when earthwork is completed, and new vegetation is established, or hardscape is installed. Exposed soils could be entrained in stormwater runoff and transported off the project site. As part of construction activities, approximately 3.5 acres of soil would be disturbed during site grading. Because the proposed project would involve over 1 acre of land disturbance, it would be required to comply with the Construction General Permit,[42] which requires preparation and implementation of a Stormwater Pollution and Prevention Plan (SWPPP) prior to any ground disturbance activities. Although designed primarily to protect stormwater quality, the SWPPP would provide the details of the erosion control measures to be applied on the project site during the construction period, including BMPs for erosion control that are recognized by the RWQCB. Additional details regarding the SWPPP are provided in Section 4.10, Hydrology and Water Quality. Compliance with the requirements of the Construction General Permit would ensure that the proposed project would result in less than significant impacts related to soil erosion or the loss of topsoil.

c. Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? ***(Less Than Significant Impact)***

As discussed in Section 4.7.a, the site would not likely be subject to substantial adverse effects as a result of landslides or liquefaction. The proposed project would be designed and constructed in accordance with standard engineering practices and the CBC. The project site is not anticipated to become unstable as a result of the proposed project or to potentially result in on- or off-site landslides, liquefaction, or lateral spreading. Further, preparation of a site-specific geotechnical evaluation as required by the CBC and implementation of proposed geotechnical recommendations would ensure that the proposed project would not result in a geologic hazard from landslide, lateral spreading, subsidence, liquefaction, or collapse. This impact would be less than significant.

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41 California State Mining and Geology Board. 2014. Surface Mining Reclamation Act Regulations. California Code of Regulations, Title 14, Division 2, Chapter 8, Subchapter 1.

42 State Water Resources Control Board (SWRCB). 2009. Division of Water Quality. *Construction General Permit Fact Sheet*. 2009-0009-DWQ amended by 2010-0014-DWQ & 2012-0006-DWQ. Website: https://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/constpermits/wqo_2009_0009_factsheet.pdf (accessed August 2022).

d. Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property? ***(Less Than Significant Impact)***

Expansive soils are characterized by the potential for shrinking and swelling as the moisture content of the soil decreases and increases, respectively. Shrink-swell potential is influenced by the amount and type of clay minerals present and can be measured by the percentage of change in the soil volume. Soils underlying the project site are composed of Clear Lake clay (0 to 2 percent slopes), according to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey.[43]

The Clear Lake clay series consists of poorly drained soils in basins. According to the Soil Survey of Solano County,[44] Clear Lake clay soils are classified as having high soil expansion potential. As described above, the proposed project would be required to comply with the CBC and the geotechnical recommendations identified in the site-specific geotechnical investigation, as required by the CBC. Compliance with geotechnical recommendations and the CBC during design and construction would ensure that the potential impacts associated with expansive soils would be less than significant.

e. Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water? ***(No Impact)***

The proposed project would connect to the City's wastewater conveyance system. On-site treatment and disposal of wastewater is not proposed for the project; therefore, the proposed project would have no impacts associated with soils incapable of supporting alternative wastewater disposal systems.

f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? ***(Less Than Significant with Mitigation Incorporated)***

Although no paleontological resources or unique geological features are known to exist within or near the project site, the proposed project would require ground disturbance below ground surface. Therefore, the possibility of accidental discovery of paleontological resources during project construction cannot be discounted. Implementation of Mitigation Measure GEO-1, below, would reduce potential impacts to paleontological resources to a less than significant level.

Mitigation Measure GEO-1 **Undiscovered Paleontological Resources.** Should paleontological resources be encountered during project subsurface construction

[43] United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS). 2025. Web Soil Survey. Website: https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx (accessed April 2025).

[44] United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS). 1977. *Soil Survey of Solano County, California.* May. Website: https://dn721908.ca.archive.org/0/items/usda-solanoCA1977/solanoCA1977.pdf (accessed November 2025).

activities, all ground-disturbing activities within 25 feet shall be redirected and a qualified paleontologist contacted to assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. For purposes of this mitigation, a "qualified paleontologist" shall be an individual with the following qualifications: (1) a graduate degree in paleontology or geology and/or a person with a demonstrated publication record in peer-reviewed paleontological journals; (2) at least 2 years of professional experience related to paleontology; (3) proficiency in recognizing fossils in the field and determining their significance; (4) expertise in local geology, stratigraphy, and biostratigraphy; and (5) experience collecting vertebrate fossils in the field. If the paleontological resources are found to be significant and project activities cannot avoid them, measures shall be implemented to ensure that the project does not cause a substantial adverse change in the significance of the paleontological resource. Measures may include monitoring, recording the fossil locality, data recovery and analysis, a final report, and accessioning the fossil material and technical report to a paleontological repository. Upon completion of the assessment, a report documenting methods, findings, and recommendations shall be prepared and submitted to the County for review. If paleontological materials are recovered, this report also shall be submitted to a paleontological repository such as the University of California Museum of Paleontology, along with significant paleontological materials. Public educational outreach may also be appropriate.

Implementation of Mitigation Measure GEO-1 would reduce the level of the potential impact through the identification of paleontological resources during construction; the evaluation of unanticipated discoveries; and the recovery of significant paleontological data from those resources that warrant such investigation. This process would recover scientifically consequential information from at-risk resources to offset their potential loss. Therefore, with implementation of Mitigation Measure GEO-1, this impact would be less than significant.

4.8 GREENHOUSE GAS EMISSIONS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- Carbon dioxide (CO_2);
- Methane;
- Nitrous oxide (N_2O);
- Hydrofluorocarbons (HFCs);
- Perfluorocarbons (PFCs); and
- Sulfur hexafluoride (SF_6).

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere and enhancing the natural greenhouse effect, believed to be causing global warming. While manmade GHGs include naturally occurring GHGs such as CO_2, methane, and N_2O, some gases, like HFCs, PFCs, and SF_6, are completely new to the atmosphere.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation.

These gases vary considerably in terms of Global Warming Potential (GWP), a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere ("atmospheric lifetime"). The GWP of each gas is measured relative to CO_2, the most abundant GHG. The definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of "CO_2 equivalents" (CO_2e).

a. Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? ***(Less Than Significant Impact)***

The sections below discuss the project's impacts related to the release of GHG emissions for the construction and operational phases of the project. Construction and operational GHG emissions were estimated using CalEEMod (Appendix A).

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse GHG emission impact if the project would:

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment; or
- Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.

Section 15064.4 of the *State CEQA Guidelines* states that: "A lead agency should make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate the amount of greenhouse gas emissions resulting from a project." In performing that analysis, the lead agency has discretion to determine whether to use a model or methodology to quantify GHG emissions or to rely on a qualitative analysis or performance-based standards. In making a determination as to the significance of potential impacts, the lead agency then considers the extent to which the project may increase or reduce GHG emissions as compared to the existing environmental setting, whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project, and the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

The City of Vallejo Climate Action Plan[45] meets the Air District requirements for a Qualified GHG Reduction Strategy and is designed to streamline environmental review of future development projects in the City consistent with *State CEQA Guidelines* Section 15183.5(b) and the BAAQMD CEQA Air Quality Guidelines. However, the City's Climate Action Plan identifies emission reduction goals to reduce GHG emissions in Vallejo by 15 percent below the 2005 emissions levels by 2020, consistent with AB 32. The proposed project would not be operational until post-2020; therefore, because the City's Climate Action Plan was prepared based on the 2020 GHG targets, which are now superseded by the 2030 GHG targets established in SB 32, the City's Climate Action Plan would not be applicable for CEQA streamlining. Therefore, this section evaluates the proposed project's consistency with the Air District's project design element thresholds.

[45] City of Vallejo. 2012. City of Vallejo Climate Action Plan. March. Website: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.vallejo.gov/common/pages/DisplayFile.aspx?itemId=17964927 (accessed January 2026).

In April 2023, the Air District adopted the 2022 CEQA Guidelines[46] which identify applicable GHG significance thresholds. These thresholds evaluate a project based on its effect on California's efforts to meet the State's long-term climate goals. Applying this approach, the Air District identifies and provides supporting documentation, outlining the necessary requirements that new land use development projects must implement to achieve California's long-term climate goal of carbon neutrality by 2045. Based on the analysis, the Air District found that new land use development projects need to incorporate specified design elements to contribute their "fair share" toward implementation of the goal of carbon neutrality by 2045. If a project is designed and built to incorporate the identified design elements, then it would contribute its portion of what is necessary to achieve California's long-term climate goals—its "fair share"—and an agency reviewing the project under CEQA can conclude that the project will not make a cumulatively considerable contribution to global climate change. The document concludes that if a project does not incorporate these design elements, it should be found to result in a significant climate impact because it would hinder California's efforts to address climate change.

According to Air District's 2022 CEQA Guidelines, a project would have a less than significant impact related to GHG emissions if it would:

- **Buildings:**

  a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).

  b. The project will not result in any wasteful, inefficient, or unnecessary electrical usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the *State CEQA Guidelines.*

- **Transportation:**

  a. Achieve a reduction in project-generated VMT below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted SB 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's *Technical Advisory on Evaluating Transportation Impacts in CEQA:*

     1. Residential projects: 15 percent below the existing VMT per capita
     2. Office projects: 15 percent below the existing VMT per employee
     3. Retail projects: no net increase in existing VMT

  b. Achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2.

[46] Bay Area Air Quality Management District (BAAQMD). 2023. *California Environmental Quality Act Air Quality Guidelines.* April.

These project design elements are utilized in the following analysis as the thresholds of significance to evaluate the project's potential GHG emissions impact. The proposed project is also evaluated for consistency with AB 1279 and the CARB 2022 Scoping Plan.

Construction GHG Emissions. Construction activities associated with the proposed project would produce combustion emissions from various sources. During construction, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically use fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO_2, methane, and N_2O. Furthermore, methane is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

The Air District does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are encouraged to quantify and disclose GHG emissions that would occur during construction. Using CalEEMod, it is estimated that construction of the proposed project would generate approximately 456.2 metric tons (MT) of CO_2e. Construction GHG emissions were amortized over the life of the project (assumed to be 30 years) and added to the operational emissions. When annualized over the life of the project, amortized construction emissions would be approximately 15.2 MT CO_2e per year. GHG emissions generated during construction of the proposed project would be short term in nature, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions.

Operational GHG Emissions. Long-term air emission impacts are typically associated with mobile, area, waste, and water sources and indirect emissions from sources associated with energy consumption. Mobile-source GHG emissions include project-generated vehicle trips to and from a project. Area-source emissions are typically associated with activities such as landscaping and maintenance on a project site. Energy source emissions are generated at off-site utility providers as a result of increased electricity demand generated by a project. Waste source emissions generated by projects include energy generated by land filling and other methods of disposal related to transporting and managing project-generated waste. In addition, water-source emissions are typically generated by water supply and conveyance, water treatment, water distribution, and wastewater treatment.

As discussed above, the proposed project would include the construction of new park facilities and associated improvements. Following guidance from the Air District, GHG emissions for operation of the project were calculated using CalEEMod. Based on the analysis results, summarized in Table 4.H, the proposed project would result in emissions of approximately 141.4 MT CO_2e per year. These estimated emissions are provided for informational purposes, and the significance of the proposed project is further analyzed below.

Per the significance thresholds described above, a less than significant GHG impact would occur if the project were consistent with the identified design standards.

Table 4.H: Project Greenhouse Gas Emissions

Emission Type	Operational Emissions (metric tons per year)			
	CO_2	CH_4	N_2O	CO_2e
Mobile Sources	120.5	<0.1	<0.1	122.7
Area Sources	<0.1	<0.1	<0.1	<0.1
Energy Sources	1.3	<0.1	<0.1	1.3
Water Sources	1.8	0.2	<0.1	1.8
Waste Sources	0.1	<0.1	0.0	0.4
Amortized Construction Emissions				15.2
Total Operational Emissions				**141.4**

Source: Compiled by LSA (January 2026).
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent
N_2O = nitrous oxide

Natural Gas Usage. As required by the Air District, the project must not include natural gas appliances or natural gas plumbing in order to be consistent with this design element. Natural gas is not included as part of the proposed project. Therefore, the proposed project is consistent with this project design element.

Energy Usage. Per the Air District's CEQA Guidelines, the project must not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the *State CEQA Guidelines*. Energy usage associated with the proposed project is evaluated in Section 4.6, Energy, of this document.

As discussed in Section 4.6, Energy, the estimated potential increased electricity demand associated with the proposed project is 14,424 kWh per year. In 2024, Solano County consumed 3,216 GWh, or approximately 3,216,000,000 kWh.[47] Therefore, electricity demand associated with the proposed project would be less than 0.1 percent of Solano County's total electricity demand.

In addition, the proposed project would be constructed to current Title 24 standards, which would require energy-saving building features. As such, based on this analysis, as required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the *State CEQA Guidelines*, the proposed project would not result in the wasteful, inefficient, or unnecessary consumption of fuel or energy and would incorporate renewable energy and energy efficiency measures into the building design, equipment use, and transportation. As such, the proposed project would be consistent with this design element.

Vehicle Miles Traveled. In order to meet the Air District's VMT threshold, the project must achieve a reduction in project-generated VMT below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted SB 743 VMT target, reflecting the recommendations provided in the Governor's OPR 2018 guidance, *Technical Advisory on Evaluating Transportation Impacts in CEQA*. As discussed in Section 4.17,

[47] California Energy Commission (CEC). n.d. "Electricity Consumption." Website: https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/california-energy-consumption-dashboards-0 (accessed January 2026).

Transportation, the proposed project would be a locally serving park. Locally serving projects can redistribute trips and reduce regional VMT by facilitating residents to choose a closer option and shorten trip lengths. Because of this trip redistribution effect, the project was screened out of a detailed VMT analysis, and it was concluded that the proposed project would have a less than significant VMT impact. In addition, the project also includes new pedestrian pathways that improve on-site circulation, provide new access points, and enhance connectivity to existing facilities at the former middle school. The site is located approximately 0.07 mile from a SolTrans transit stop on Benicia Road at Starr Avenue, further supporting the use of transit and alternative modes. As such, the proposed project is consistent with this design element and inherently meets the VMT reduction objectives established under SB 743 and the Scoping Plan. Therefore, the proposed project would be consistent with this design element.

Electric Vehicle Requirements. This criterion requires that the project achieve compliance with off-street EV requirements in the most recently adopted version of CALGreen Tier 2 Voluntary Standards. The proposed project includes the construction of 42 new parking spaces, of which 2 would include EV chargers and 6 would be EV-capable spaces. Therefore, the proposed project would be consistent with this design element.

As evaluated against the current Air District recommended thresholds of significance, this impact would be less than significant.

b. Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? ***(Less Than Significant Impact)***

The following discussion evaluates the proposed project according to the goals of the 2022 Scoping Plan, including EO B-30-15, SB 32, AB 197, and AB 1279.

EO B-30-15 added the immediate target of reducing GHG emissions to 40 percent below 1990 levels by 2030. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[48] to reflect the 2030 target set by EO B-30-15 and codified by SB 32. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in EO B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels. The companion bill to SB 32, AB 197, provides additional direction to CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 intended to provide easier public access to air emissions data that are collected by CARB was posted in December 2016. AB 1279 codifies the State goals of achieving net carbon neutrality by 2045 and maintaining net negative GHG emissions thereafter.

In addition, the 2022 Scoping Plan assesses progress toward the statutory 2030 target while laying out a path to achieving carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term

[48] California Air Resources Board (CARB). 2017a. *California's 2017 Climate Change Scoping Plan*. November.

climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

The Air District's Justification Report established guidance on how individual projects would be consistent with California's long-term climate goals and provides substantial evidence in supporting the use of their thresholds for projects throughout California because the thresholds are designed to meet the State's established GHG reduction goals, including the 2022 Scoping Plan goals. If a project is designed and built to incorporate these design elements related to VMT, natural gas, energy, and EVs, then it would contribute its portion of what is necessary to achieve California's long-term climate goals and an agency reviewing the project under CEQA can conclude that the project would be consistent with the State's 2022 Scoping Plan. As discussed above, the proposed project would be consistent with the Air District's project design elements and would have a less than significant GHG emissions impact. As analyzed against the thresholds of significance, the proposed project would be contributing its "fair share" of emissions reductions to support long-term State goals of GHG emission reductions and carbon neutrality and would therefore be found to be consistent with regional and State goals and applicable plans for GHG emissions reductions.

Therefore, the proposed project would comply with existing State regulations adopted to achieve the overall GHG emissions reduction goals identified in Executive Order B-30-15, SB 32, and AB 1279 and would be consistent with applicable plans and programs designed to reduce GHG emissions. As such, the proposed project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs. This impact would be less than significant.

4.9 HAZARDS AND HAZARDOUS MATERIALS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☒	☐

*a. Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? **(Less Than Significant Impact)***

The proposed project involves the renovation of an existing park facility to include new recreation facilities. After project construction, operation of the park would require the use of small quantities of commercially available hazardous materials. Some of the planting and turf areas would require typical maintenance such as fertilizer and irrigation. The concessions/picnic area may also require regular use of solvents, cleaning agents, and sanitizing solutions. California law requires all facilities that use or store more than certain quantities of hazardous materials on site to file hazardous materials business plans that list and map the location of on-site hazardous materials storage and use and that describe procedures in the event of an accident. The GVRD would be required to comply with existing governmental regulations in the use and disposal of these materials,[49] and such materials would not be used in sufficient strength or quantity to create a substantial risk to human or environmental health. Compliance with existing regulations would ensure that the proposed

[49] The United States Environmental Protection Agency regulates "small-quantity generators" (SQGs) of hazardous wastes, which are defined as facilities that generate more than 100 kilograms (kg) (approximately 220 pounds [lbs]), but less than 1,000 kg (2,200 lbs), of hazardous waste per month.

project would not create a significant hazard to the public or the environment associated with the routine transport, use, or disposal of hazardous materials by ensuring these materials are properly handled during operation of the proposed project. This impact would be less than significant.

During construction of proposed park improvements, hazardous materials (e.g., fuel, oils, and paints) would be routinely transported, stored, and used at the project site. These materials are typical of materials delivered to construction sites. Transport and use of hazardous materials would be subject to all applicable State and federal laws, such as the Hazardous Materials Transportation Act, the Resource Conservation and Recovery Act, the California Hazardous Materials Management Act, the California Health and Safety Code, and CCR Title 8 and Title 22.

Because the proposed project would result in soil disturbance greater than 1 acre, management of hazardous materials during construction activities would be subject to the requirements of the Stormwater Construction General Permit (described in detail under Section 4.10, Hydrology and Water Quality), which requires preparation and implementation of a SWPPP that includes hazardous materials storage requirements. For example, construction site operators must store chemicals in watertight containers (with appropriate secondary containment to prevent any spillage or leakage) or in a storage shed (completely enclosed). Compliance with existing regulations would ensure that the proposed project would not create a significant hazard to the public or the environment associated with the routine transport, use, or disposal of hazardous materials by ensuring these materials are properly handled during construction of the proposed project. This impact would be less than significant.

b. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? ***(Less Than Significant Impact)***

There are two primary ways that the public and/or the environment could be affected by the release of hazardous materials from the project site, including: (1) exposing workers and/or the public to potentially contaminated soil and groundwater during construction and/or operation of the project; or (2) exposing workers and/or the public to hazardous building materials (e.g., lead paint, asbestos) during demolition of existing structures.

As described above, small quantities of common hazardous materials would be used at the project site during construction and operation of the proposed project. Improper use, storage, or handling could result in a release of hazardous materials into the environment that could pose a risk to construction workers and the public. However, the GVRD would be required to comply with existing government regulations regarding the use and disposal of those materials, and such materials would not be used in sufficient strength or quantity to create a substantial risk to human or environmental health. Compliance with existing hazardous materials regulations would reduce the potential for releases of hazardous materials that would be routinely transported, used, disposed of during construction and operation of the proposed project and would ensure that impacts to human health or the environment associated with accidental releases of hazardous materials resulting from the proposed project would be less than significant.

Construction of the proposed project would involve the transport, use, and disposal of chemical agents, solvents, paints, fuel and oil for construction equipment, and other hazardous materials that are commonly associated with construction activities. The routine handling and use of hazardous materials by construction workers would be performed in accordance with Occupational Safety and Health Administration (OSHA) regulations, which include training requirements for construction workers and a requirement that hazardous materials be accompanied by manufacturers' Safety Data Sheets (SDSs). California Occupational Safety and Health Administration (Cal/OSHA) regulations include requirements for protective clothing, training, and limits on exposure to hazardous materials. Compliance with these existing regulations would ensure that construction workers are protected from exposure to hazardous materials that may be used on site.

c. Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? ***(No Impact)***

There are no existing schools within 0.25 mile of the project site. The nearest VCUSD school is Steffan Manor Elementary School, located at 815 Cedar Street, approximately 0.52 mile east of the project site. The proposed project would not include any land uses that would generate hazardous emissions or handle significant quantities of hazardous or acutely hazardous materials beyond existing conditions. In addition, the City would be required to comply with all applicable local, State, and federal regulations and standards related to hazardous emissions and materials. Compliance with regulatory requirements would ensure that no impacts associated with the emission or handling of hazardous materials within 0.25 mile of an existing or proposed school would occur.

d. Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? ***(No Impact)***

The project site and project vicinity were evaluated via the SWRCB's GeoTracker database,[50] the DTSC's EnviroStor database,[51] and the Cortese List[52] for the purposes of identifying hazardous materials sites associated with the project site. The project site is not included on any list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. In addition, no active hazardous materials sites were identified within 1,000 feet of the project site. Similarly, the project site is not included on the SWRCB GeoTracker, which identifies sites that require cleanup, such as Leaking Underground Storage Tank (LUST) sites, Department of Defense sites, and Cleanup Program Sites. Therefore, the proposed project would not create a significant hazard to the public or the environment, as a result of being located on a list of hazardous materials site compiled pursuant to Government Code Section 65962.5. No impact would occur.

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50 State Water Resources Control Board (SWRCB). 2022. Geotracker Database. Website: https://geotracker.waterboards.ca.gov/ (accessed November 19, 2025).

51 California Department of Toxic Substances Control (DTSC). 2022. EnviroStar Database. Website: https://www.envirostor.dtsc.ca.gov/public/ (accessed November 19, 2025).

52 California Environmental Protection Agency (CalEPA). 2020. Cortese List Data Resources. Website: calepa.ca.gov/sitecleanup/corteselist/ (accessed November 19, 2025).

e. Would the project be located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area? ***(No Impact)***

Napa County Airport is the closest airport to the project site and is located approximately 8 miles to the north. The project site is not located within the Airport Influence Area or 65 A-weighted decibels (dBA) community noise equivalent level (CNEL) noise contour established for Napa County Airport.[53] Therefore, the project would not result in a safety hazard or expose people working in the project area to excessive airport-related noise levels. No impact would occur.

f. Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? ***(Less Than Significant Impact)***

The City of Vallejo Fire Department (VFD) coordinates the City of Vallejo's preparedness efforts to mitigate, plan for, respond to and recover from disasters. In addition, the Solano County Office of Emergency Services coordinates countywide emergency response efforts, including the preparation and implementation of the Solano County Emergency Operations Plan (EOP)[54] and the Solano County Multi-Jurisdictional Hazard Mitigation Plan.[55] However, the EOP does not address specific responses, scenarios, hazards, or threats within Vallejo. In addition, the EOP does not indicate the emergency evacuation routes within Solano County.

The proposed project would not alter or block adjacent roadways, and implementation of the proposed project would not be expected to impair the function of nearby roadways that might be used for evacuation during an emergency. In addition, operation of the proposed project would not cause permanent alterations to vehicle circulation routes and patterns or impede public access or travel upon public rights-of-way. The proposed project is located on property owned by the Vallejo City Unified School District and would be implemented by the GVRD under a long-term lease agreement. Project improvements are subject to review and approval by the DSA, which has jurisdiction over applicable design and construction on school district properties. DSA review ensures compliance with applicable building codes and regulations related to structural integrity, fire and life safety, and accessibility. Project plans would be reviewed by DSA to verify that site access, including ingress and egress, meets applicable fire and life safety standards, including requirements for emergency vehicle access, turning radii, and fire apparatus access. Improvements within the public right-of-way, including driveway connections and storm drain tie-ins, would be subject to separate permit review and approval by the City of Vallejo.

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53 Napa County Airport Land Use Commission. 2024. *Napa Countywide Airport Land Use Compatibility Plan. Containing Individual Plans for: Angwin Airport – Parrett Field and Napa County Airport.* December 4. Website: https://www.napacounty.gov/DocumentCenter/View/35937/Napa-Countywide-ALUCP---Complete-Version?bidId= (accessed October 27, 2025).

54 Solano County Office of Emergency Services. 2024. *Solano County, CA Emergency Operations Plan*. Website: https://content.solanocounty.gov/sites/default/files/2025-05/Solano_EOP_Base%20Plan.pdf (accessed October 2025).

55 County of Solano. 2021. *Solano County Multi-Jurisdictional Hazard Mitigation Plan.* Website: https://mitigatehazards.com/solanohmp/hmp/ (accessed October 2025).

Proposed ingress/egress for the park would be required to meet State and local standards regarding turning radius, road width, and emergency vehicle access. Adherence to the emergency access measures required by the DSA would ensure that impacts related to implementation of or physical interference with an adopted emergency response plan or emergency evacuation plan would be less than significant.

g. Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires? ***(Less Than Significant Impact)***

The City of Vallejo is identified by CAL FIRE as a community at risk for wildfire.[56] According to CAL FIRE, the project site is within a Local Responsibility Area (LRA), meaning the local government is financially responsible for wildland fire protection. However, the project site is not located within or adjacent to an area identified by CAL FIRE as a High Fire Hazard Severity Zone (HFHSZ) or Moderate Fire Hazard Severity Zone (MFHSZ).[57]

Construction of the proposed project would involve the use of some flammable materials such as gasoline, diesel fuel, hydraulic oils, paints, solvents, or other wastes. During construction, there would be increased human activity and ignition sources, including equipment that could create spark, be a source of heat, or leak flammable materials on the project site. However, all construction equipment is required to have fire suppression equipment (such as a fire extinguisher) on board or at the work site, secondary containment would be required for fuel-powered equipment, and a spill kit would be required to be kept on site during construction for use in case of any leaks or spills of flammable materials. These existing requirements would reduce the potential exacerbation of wildfire risks related to construction activities.

The operation of the proposed project would be similar to existing conditions on the site. As described above, project plans would be reviewed by DSA to ensure that proposed structures conform with all applicable regulations.

The proposed project would also be subject to requirements in Section 13000 et seq. of the California Health and Safety Code, the CBC, and the California State Fire Code, which include regulations concerning the following: building standards for fire protection; fire protection and notification systems such as extinguishers and smoke alarms; safety for firefighters and emergency responders during emergency operations; minimum standards for hazardous vegetation and fuel management, defensible space, and building construction; and minimum standards for emergency access and water supply for fire response.

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[56] California Department of Forestry and Fire Protection (CAL FIRE). 2019. Communities at Risk from Wildfire. Website: https://34c031f8-c9fd-4018-8c5a-4159cdff6b0d-cdn-endpoint.azureedge.net/-/media/calfire-website/what-we-do/fire-resource-assessment-program---frap/pdf-maps/communities-at-risk-wildfire-2015.pdf?rev=d7d7e04f0a614ccc8fcbb6d0d13155cf&hash=1C1247791C7C22C80FBA6F6156F69175 (accessed October 2025).

[57] California Department of Forestry and Fire Protection (CAL FIRE). 2025. *City of Vallejo – Solano County Local Responsibility Area Fire Hazard Severity Zones.* Website: https://calfire.app.box.com/s/wahuw9ny7cgn89xpxh7092ur50r1pwvj/file/1785852575970 (accessed October 2025).

Compliance with these existing regulatory requirements would ensure that the proposed project would not exacerbate wildfire risks and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire. Impacts would be less than significant.

4.10 HYDROLOGY AND WATER QUALITY

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	☐	☐	☒	☐
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	☐	☐	☒	☐
i. Result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv. Impede or redirect flood flows?	☐	☐	☐	☒
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

*a. Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality? **(Less Than Significant Impact)***

The SWRCB and nine RWQCBs regulate the quality of surface water and groundwater bodies throughout California. In the Bay Area, including the project site, the San Francisco Bay Regional Water Quality Control Board (Water Board) is responsible for implementation of the Water Quality Control Plan (Basin Plan). The Basin Plan establishes beneficial water uses and water quality objectives for waterways and water bodies within the region. Section 303(d) of the federal Clean Water Act (CWA) requires that states identify water bodies, including bays, rivers, streams, creeks, and coastal areas, that do not meet water quality standards and the pollutants that are causing the impairment. Total Maximum Daily Loads (TMDLs) describe the maximum amount of a pollutant that a water body can receive while still meeting established water quality standards. A TMDL establishes limits for pollutant discharges into impaired water bodies.

Runoff water quality is regulated by the National Pollutant Discharge Elimination System (NPDES) Program (established through the federal CWA). The NPDES program objective is to control and reduce pollutant discharges to surface water bodies. Compliance with NPDES permits is mandated by State and federal statutes and regulations. Locally, the NPDES Program is administered by the

Water Board. Construction activities are subject to the State Water Resources Control Board (SWRCB) NPDES General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities (Order No. 2022-0057-DWQ, NPDES No. CAS000002) (Construction General Permit). Any construction activity, including grading, that would result in the disturbance of 1 acre or more would require compliance with SWRCB's Construction General Permit, which requires preparation of a SWPPP and implementation of Construction BMPs during construction activities. Construction BMPs would include, but not be limited to, Erosion Control and Sediment Control BMPs designed to minimize erosion and retain sediment on site, as well as Good Housekeeping BMPs to prevent spills, leaks, and discharge of construction debris and waste into receiving waters.

The proposed project would be subject to the California Regional Water Quality Control Board San Francisco Bay Region's Municipal Regional Stormwater NPDES Permit (MRP), which went into effect on July 1, 2022, by Order R2-2022-0018, NPDES Permit No. CAS612008. The MRP covers stormwater discharges from municipalities and local agencies in Alameda, Contra Costa, San Mateo, and Santa Clara counties; the cities of Fairfield, Suisun City, and Vallejo; and the VFWD, which have joined to form the Solano Stormwater Alliance (Solano Permittees). Provision C.3 of the MRP requires new development and redevelopment projects that would replace more than 5,000 square feet of existing impervious surfaces to include post-construction stormwater control in project designs. Under the Provision C.3 requirements, the preparation and submittal of a Stormwater Control Plan (SCP) would be required. The purpose of an SCP is to detail the design elements and implementation measures necessary to meet the post-construction stormwater control requirements of the MRP. In particular, SCPs must include Low Impact Development (LID) design measures, which reduce water quality impacts by preserving and recreating natural landscape features, minimizing imperviousness, and using stormwater as a resource rather than a waste product. Additionally, the preparation of a Stormwater Facility Operation and Maintenance Plan is required to ensure that stormwater control measures are inspected, maintained, and funded for the life of the project.

The proposed project is located within a 14.70-acre lot that was previously developed as Benjamin Franklin Middle School. The project site is currently developed with playing fields and one restroom building. The existing topography of the project site is relatively flat, with elevations approximately 50 feet above mean sea level. No drainage features currently exist at the project site.

Under existing conditions, the 150,408-square-foot project site consists primarily of pervious surface (149,482 square feet or 99 percent), including turf playing fields. Stormwater runoff sheet flows into the existing impervious areas and exits the project site at two locations – one at the southwest corner of the project site and the other at the northwest corner of the site – eventually entering the existing storm drain pipeline in Wallace Avenue. No creeks or streams are located on or adjacent to the project site. The Napa River, separated from the project site by I-780, Curtola Parkway, Sonoma Boulevard, and intervening development, is the only surface water in proximity to the project site.

Construction. The proposed project would result in the renovation of the existing fields, development of new recreation improvements, and construction of associated parking and landscaping improvements. Construction activities would disturb approximately 295,200 square feet (6.8 acres) of soil.

Pollutants of concern during construction include sediments, trash, petroleum products, concrete waste (dry and wet), sanitary waste, and chemicals. Each of these pollutants on its own or in combination with other pollutants can have a detrimental effect on water quality. During construction activities, excavated soil would be exposed, and there would be an increased potential for soil erosion and sedimentation compared to existing conditions. In addition, chemicals, liquid products, petroleum products (e.g., paints, solvents, and fuels), and concrete-related waste may be spilled or leaked and have the potential to be transported via stormwater runoff into receiving waters.

Because construction of the proposed project would disturb greater than 1 acre of soil, the proposed project is subject to the requirements of the Construction General Permit. As required by the Construction General Permit, the Construction Contractor would be required to prepare a SWPPP and implement construction BMPs detailed in the SWPPP during construction activities. Construction BMPs would include, but are not limited to, Erosion Control and Sediment Control BMPs designed to minimize erosion and retain sediment on site and Good Housekeeping BMPs to prevent spills, leaks, and discharge of construction debris and waste into receiving waters.

Prior to the commencement of any land-disturbing activities, the Construction Contractor will obtain coverage under the SWRCB Construction General Permit. This will include submission of Permit Registration Documents (PRDs), including a Notice of Intent for coverage under the permit to the SWRCB via the Stormwater Multiple Application and Report Tracking System (SMARTs). The Construction Contractor will provide the Waste Discharge Identification Number (WDID) to the GVRD to demonstrate proof of coverage under the Construction General Permit. Project construction will not be initiated until a WDID is received from the SWRCB and is provided to the GVRD.

According to the California Department of Water Resources (DWR), the project site is located within the Napa-Sonoma Lowlands Subbasin of the Napa-Sonoma Valley Groundwater Basin (2-002.03).[58] The Napa-Sonoma Lowlands Subbasin has a very low-priority designation from DWR. Well monitoring conducted in 2016 within the Napa-Sonoma Lowlands Subbasin in Napa County indicates that groundwater has been encountered at depths between 5 and 15 feet below ground surface (bgs)[59] at Well NC-196, located approximately 6 miles north of the project site. However, groundwater levels can fluctuate depending on factors such as seasonal rainfall, groundwater withdrawal, and construction activities on the project site or at adjacent properties. Construction of the proposed project would require excavation for fence footings, light fixtures, playground equipment footings, and stormwater infrastructure. Although groundwater dewatering during project construction is not anticipated, if needed, groundwater dewatering activities could affect surface water quality through the discharge of polluted groundwater to surface water bodies. Groundwater encountered during construction would be discharged to land or storm drains in accordance with applicable permits, including the *Waste Discharge Requirements (WDR) Permit for Discharges to Surface Waters That Pose an Insignificant (De Minimus) Threat to Water Quality*

[58] California Department of Water Resources (DWR). n.d.-a. *Groundwater Basin Boundary Assessment Tool.* Website: https://gis.water.ca.gov/app/bbat/ (accessed January 9, 2026).

[59] Luhdorff & Scalmanini Consulting Engineers. 2017. *Napa County Comprehensive Groundwater Monitoring Program 2016 Annual Report and CASGEM Update.* March. Website: https://cawaterlibrary.net/document/napa-county-comprehensive-groundwater-monitoring-program-2016-annual-report-and-gasgem-update/ (accessed January 9, 2025).

(Groundwater Discharge Permit) (Order No. R8-2020-0006, NPDES No. CAG998001). In compliance with the requirements of the Groundwater Discharge Permit, groundwater would be tested and treated (if necessary) prior to discharge to surface water. Compliance with the Groundwater Discharge Permit would ensure that construction impacts related to water quality standards, WDRs, and degradation of groundwater quality would be less than significant.

Compliance with existing regulations, including the Construction General Permit and Groundwater Discharge Permit would ensure that construction impacts related to water quality standards, waste discharge requirements, and water quality for both surface and groundwater would be less than significant.

Operation. The proposed project would result in the renovation of the existing fields, development of new recreation improvements, and construction of associated parking and landscaping improvements. Overall, implementation of the proposed project would result in approximately 82,801 square feet of new impervious surface area at the project site. As described above, the City of Vallejo is under the purview of the MRP. Therefore, the proposed project would be subject to the requirements of Provision C.3 of the MRP because the project would result in new development consisting of more than 5,000 square feet of impervious surfaces. Under the Provision C.3 requirements, the preparation and submittal of a Stormwater Control Plan (SCP) would be required for the project site. The purpose of an SCP is to detail the design elements and implementation measures necessary to meet the post-construction stormwater control requirements of the MRP. In particular, SCPs must include LID design measures, which reduce water quality impacts by preserving and recreating natural landscape features, minimizing impervious surfaces, and using stormwater as a resource rather than a waste product. With implementation of the proposed project, stormwater runoff would continue to exit the site via the two existing discharge points at the southwest and northwest corners of the project site. However, stormwater in the northern portion of the site would be collected via bioretention basins and a pipe system which would ultimately discharge to the existing stormwater main in Wallace Avenue. As outlined in Section 2.0, Project Description, the proposed project would include approximately 3,871 square feet of bioretention space that would be used for stormwater control. The proposed project would also be required to prepare a Stormwater Facility Operation and Maintenance Plan to ensure that stormwater control measures are inspected, maintained, and funded for the life of the project. Compliance with the Provision C.3 requirements of the MRP would ensure that operation-period impacts to water quality would be less than significant.

Overall, because the proposed project would be required to comply with existing regulations, including the Construction General Permit and the MRP, the proposed project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality. Impacts would be less than significant.

b. Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin? ***(Less Than Significant Impact)***

The project site is located within the Napa-Sonoma Valley–Lowlands groundwater basin boundary.[60] Impacts related to groundwater recharge are discussed below.**Construction.**Dewatering from excavations is not anticipated to be required; however, it is possible that temporary dewatering from isolated areas of deeper excavation could be necessary during construction. If dewatering is required, it would be conducted in accordance with the requirements of the General Waste Discharge Requirements for Limited Threat Discharges to Surface Waters (General Waste Discharge Permit), Order No. R5-2022-006, NPDES No. CAG995002.

If needed, groundwater dewatering would be localized and temporary, and the volume of groundwater removed would not be substantial. In addition, any volume of water removed during groundwater dewatering would be minimal compared to the size of the Napa-Sonoma Valley – Napa-Sonoma Lowlands Groundwater Subbasin, which is 40,297.45 acres in size.[61] Therefore, construction impacts related to depletion of groundwater supplies or interference with groundwater recharge would be less than significant. Development of the project would not significantly increase impervious surface area on the project site. As such, recharge would not change substantially from the existing condition, and no impacts would occur due to groundwater recharge.

Project operations would not require groundwater extraction. While the project would require water use associated with landscape irrigation and continued operation of the restroom facility, the City of Vallejo obtains water from the Sacramento River watershed; the Solano Project from Putah Creek Watershed which includes Lake Berryessa; the Wild Horse Creek watershed through Lake Madigan, Lake Frey, and the Green Valley Diversion; and the Upper Suisun Creek watershed through Lake Curry.[62] Because the City does not use groundwater for municipal water supply, water use during operation of the proposed project would not affect groundwater. For these reasons, impacts related to depletion of groundwater supplies or interference with groundwater recharge in a manner that may impede sustainable groundwater management would be less than significant.

c. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i. Result in substantial erosion or siltation on- or off-site; ***(Less Than Significant Impact)***

During construction activities, more than 1 acre of soil would be disturbed. Soil would be exposed and drainage patterns would be temporarily altered during grading and other construction activities,

60 California Department of Water Resources (DWR). n.d.-a. *Groundwater Basin Boundary Assessment Tool.* Website: https://gis.water.ca.gov/app/bbat/ (accessed January 9, 2026).

61 California Department of Water Resources (DWR). 2019. *Napa-Sonoma Valley – Lowlands* Groundwater Exchange. Website: https://groundwaterexchange.org/basin/napa-sonoma-valley-lowlands/ (accessed February 9, 2023).

62 City of Vallejo. 2021. *2020 Urban Water Management Plan*. October 12.

and there would be an increased potential for soil erosion and siltation compared to existing conditions. Additionally, during a storm event, soil erosion and siltation could occur at an accelerated rate. As required by the Construction General Permit a SWPPP would be prepared to identify construction BMPs to be implemented as part of the proposed project to reduce impacts on water quality during construction, including those impacts associated with soil erosion and siltation. With compliance with the requirements in the Construction General Permit and implementation of Construction BMPs, construction impacts related to on- or off-site erosion or siltation would be less than significant.

After the completion of project construction, operation of the proposed project would result in a 82,801-square-foot increase in impervious surfaces on the project site, which would result in a net increase in stormwater runoff that could lead to downstream erosion in receiving waters. However, as discussed above, multiple stormwater treatment areas throughout the proposed field areas, parking lot, and project perimeter are included in the project's design in compliance with the MRP and would be used for stormwater control and treatment. Due to the incorporation of stormwater treatment areas and implementation of LID techniques as required by the MRP, operational impacts related to on- or off-site erosion or siltation would be less than significant.

ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; ***(Less Than Significant Impact)***

According to Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) No. 06095C0626G, the project site is located in Zone X, which is identified as an area of minimal flood hazard.[63]

Construction. As discussed above, project construction would comply with the requirements of the Construction General Permit and the VMC, which require preparation of a SWPPP that would specify Construction BMPs to control and direct on-site surface runoff to ensure that project construction does not increase the rate or amount of surface runoff or impede or redirect flood flows in manner that would result in on-site or off-site flooding. With implementation of a SWPPP and associated Construction BMPs, construction impacts related to a substantial increase in the rate or amount of surface runoff or impeding or redirecting flood flows in a manner that would result in on- or off-site flooding would be less than significant.

Operation. As previously discussed, implementation of the proposed project would increase the total impervious surface area at the project site, which would increase stormwater runoff and could potentially result in flooding. However, as discussed above, the proposed LID BMPs (bioretention basins) would capture and treat stormwater runoff consistent with the requirements of the MRP. In addition, the majority of the project site would remain pervious, similar to existing conditions. Compliance with the MRP would ensure that operational activities would not result in a substantial increase in the rate or amount of surface runoff or impede or redirect flood flows in a manner that would result in on- or off-site flooding, and impacts would be less than significant.

[63] Federal Emergency Management Agency (FEMA). 2016. Flood Insurance Rate Map No. 06095C0626G. Map Revised August 3, 2016. Website: https://msc.fema.gov/portal/search (accessed November 16, 2025).

Overall, with adherence to existing regulatory requirements, the proposed project would not substantially increase the rate or amount of surface runoff in a manner that would result in flooding on or off site or significantly impede or redirect flood flows. Impacts would be less than significant.

iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or ***(Less Than Significant Impact)***

Construction. As discussed above, project construction would comply with the requirements of the Construction General Permit, which requires preparation of a SWPPP that would specify Construction BMPs to control and direct on-site surface runoff to ensure that stormwater runoff from the construction site does not exceed the capacity of the stormwater drainage system and does not discharge polluted runoff during construction activities. With adherence to existing regulatory requirements, construction impacts related to exceeding the capacity of the stormwater drainage system or additional polluted runoff would be less than significant.

Operation. As previously discussed, under existing conditions, the project site consists primarily of pervious surface, including turf playing fields. Stormwater runoff sheet flows into the existing turf areas and into the existing storm drain system in the area. With implementation of the proposed project, stormwater at the project site would be directed to bioretention basins and swales, which would treat stormwater before it infiltrates the project site. The bioretention basins and swales would capture and retain the required design capture volume (DCV) for the project site. The DCV is the volume of stormwater runoff that must be captured and treated by stormwater BMPs. Overflows from the bioretention basins would be discharged to the existing municipal storm drain system at a rate consistent with the pre-project conditions, similar to existing conditions and consistent with the MRP. As such, the proposed project would not create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems. With adherence to existing regulatory requirements, operational impacts related to the creation or contribution of stormwater runoff that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff would be less than significant.

Overall, with adherence to existing regulatory requirements, the proposed project would not create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Impacts would be less than significant.

*iv. Impede or redirect flood flows? **(No Impact)***

The project site is not located within a FEMA designated 100-year or 500-year floodplain.[64] As the proposed project would not place improvements and structures directly within a 100-year floodplain, the project would not impede or redirect flood flows, and there would be no impact.

*d. In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation? **(No Impact)***

Flooding. According to FEMA FIRM No. 06095C0626G, the project site is located in Zone X, which is identified as an area of minimal flood hazard.[65] Therefore, the proposed project would not risk release of pollutants due to project inundation by flood hazard. During construction, BMPs would be implemented to ensure that during a rain event, pollutants would be retained on site and would be prevented from reaching downstream receiving waters in accordance with the Construction General Permit. In addition, additional BMPs would be implemented, as needed, consistent with the Groundwater Discharge Permit, to ensure that floodwaters would not impact the groundwater being pulled and disposed during any construction groundwater dewatering.

During operation, the proposed project would generally maintain the existing drainage pattern of the project site, and development would include bioretention basins that would ensure that pollutants would be treated and prevented from reaching downstream receiving waters, consistent with the requirements of the MRP. Compliance with the MRP would ensure the proposed project would not result in the release of pollutants due to flooding during operation. In addition, the project site would remain predominantly pervious, similar to existing conditions, proposed improvements on the project site would not include any new habitable structures, and uses at the project site would generally generate the same type of pollutants of concern during operation as existing conditions. Therefore, implementation of the proposed project would not result in a greater risk of release of pollutants due to project inundation from flooding compared to existing conditions.

Tsunami. The project site is not within a mapped tsunami hazard area.[66] Furthermore, the risk of flooding due to a tsunami event is considered to be low for Vallejo.[67] No impact would occur.

Seiches. Seiches are waves created in an enclosed body of water (e.g., a bay, lake, or harbor) that go up and down or oscillate and do not progress forward like standard ocean waves. Limited isolated damage to adjacent and downslope structures has been observed from seiches occurring in

64 Federal Emergency Management Agency (FEMA). 2016. *Flood Insurance Rate Map No. 06095C0419F*. August 13. Website: https://msc.fema.gov/portal/search?AddressQuery=5180%20Sonoma%20Boulevard%2C%20Vallejo%2C%20CA#searchresultsanchor (accessed February 9, 2023).

65 Federal Emergency Management Agency (FEMA). 2016. Flood Insurance Rate Map No. 06095C0626G. Map Revised August 3, 2016. Website: https://msc.fema.gov/portal/search (accessed November 16, 2025).

66 California Department of Conservation (DOC). 2024. *Solano County Tsunami Hazard Areas.* Website: https://www.conservation.ca.gov/cgs/tsunami/maps/Solano (accessed November 16, 2025).

67 City of Vallejo. 2016. *Propel Vallejo General Plan Update and Sonoma Boulevard Specific Plan EIR for the City of Vallejo.* July.

swimming pools and in small shallow lakes and ponds. There are no sizeable, enclosed bodies of water in the vicinity of the project site. The project site is approximately 1.4 miles from the Napa River; however, no seiches have ever been recorded in the Bay Area,[68] and the project site is at a higher elevation and would not be inundated in the event of a seiche. No impact would occur.

Dam Inundation. The project site is not within a mapped dam failure inundation area.[69] Therefore, the project site is not at risk of inundation due to dam failure. No impact would occur.

Overall, the proposed project would not risk release of pollutants due to project inundation by flooding, tsunami, seiches, or dam inundation.

e. Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan? ***(Less Than Significant Impact)***

In the Bay Area, including the project site, the Water Board is responsible for implementation of the Basin Plan, which establishes beneficial water uses for waterways and water bodies within the region. As previously discussed, the proposed project would comply with existing NPDES permit requirements, including the Construction General Permit, Groundwater Discharge Permit, and MRP, and would implement construction and operational BMPs to reduce pollutants of concern in stormwater runoff as detailed above. Compliance with these regulatory requirements would ensure that the proposed project would not degrade or alter water quality, causing the receiving waters to exceed the water quality objectives, or impair the beneficial use of receiving waters. As such, the proposed project would not result in water quality impacts that would conflict with the Basin Plan. Construction and operational impacts related to a conflict with the Basin Plan would be less than significant.

The Sustainable Groundwater Management Act (SGMA), which was enacted in September 2014, requires governments and water agencies of high- and medium-priority basins to halt overdraft of groundwater basins. The SGMA requires the formation of local Groundwater Sustainability Agencies (GSAs), which are required to adopt Groundwater Sustainability Plans to manage the sustainability of the groundwater basins. The project site is located within a mapped Division of Water Rights groundwater basin boundary; however, the Napa-Sonoma Valley–Lowlands Groundwater Subbasin is a low-priority basin and is not subject to a sustainable groundwater management plan. Nevertheless, the proposed project would not interfere with groundwater recharge in the vicinity of the project site. For these reasons, the proposed project would not conflict with or obstruct the implementation of a sustainable groundwater management plan, and this impact would be less than significant.

[68] City of Vallejo. 2016. *Propel Vallejo General Plan Update and Sonoma Boulevard Specific Plan EIR for the City of Vallejo.* July.

[69] California Department of Water Resources (DWR). n.d.-a. Dam Breach Inundation Map Web Publisher. Division of Safety Dams. Website: https://fmds.water.ca.gov/webgis/?appid=dam_prototype_v2 (accessed January 12, 2026).

4.11 LAND USE AND PLANNING

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Physically divide an established community?	☐	☐	☒	☐
b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

*a. Would the project physically divide an established community? **(Less Than Significant Impact)***

The physical division of an established community typically refers to the construction of a feature (e.g., an interstate highway or railroad tracks) or removal of a means of access (e.g., a local road or bridge) that would impair mobility within an existing community, or between a community and outlying areas. For instance, the construction of an interstate highway through an existing community may constrain travel from one side of the community to another; similarly, such construction may also impair travel to areas outside of the community.

The project site is an existing GVRD park facility that is located in an urban area and surrounded by residential uses. The proposed project would result in renovation of the existing fields, development of new recreation improvements, and construction of associated parking and landscaping improvements. Access to the project site would be via the existing roadway at Starr Avenue, with a new vehicular entrance into the proposed parking lot. The proposed project would not result in the realignment, widening, or closure of any existing roads. Pedestrian access would be provided via the existing access points along Wallace Avenue and the northern edge of the project site at Roney Avenue. Therefore, the proposed project would not result in the physical division of an established community or adversely affect the continuity of land uses in the vicinity, and this impact would be less than significant.

*b. Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? **(Less Than Significant Impact)***

The project site is designated Public Facilities and Institutions (PF) in the General Plan[70] and is zoned Public and Semi-Public (PS).[71] Permitted uses for the PF designation include fire and police stations, government buildings, health and social service clinics, hospitals, libraries, schools, educational institutions, transit stations, churches, community centers, and community-serving recreational

[70] City of Vallejo. 2025. *City of Vallejo General Plan 2040 Land Use Map.* April 25. Website: https://www.cityofvallejo.net/common/pages/DisplayFile.aspx?itemId=17961494 (accessed September 23, 2025).

[71] City of Vallejo. n.d. Zoning Map, City of Vallejo. Website: https://covit.maps.arcgis.com/apps/View/index.html?appid=7638bbc2a29d4c4387366372429f6daa&extent=-122.3063,38.0807,-122.2239,38.1134 (accessed September 23, 2025).

facilities. Co-location of multiple public facilities on a single site is encouraged when it increases access to community services while providing cost savings and other benefits to service providers. Permitted used in the PS zoning district include public parks and recreational facilities.[72]

Per *CEQA Guidelines*, policy conflicts do not, in and of themselves, constitute significant environmental impacts. Policy conflicts are considered to be environmental impacts only when they would result in direct physical impacts or where those conflicts relate to avoiding or mitigating environmental impacts. As such, associated physical environmental impacts are discussed in this Initial Study under specific topical sections.

The project site is located in an urban area of the city of Vallejo, within Solano County. It is surrounded by single- and multifamily residential uses, commercial uses, and public facilities. The proposed project would renovate a portion of the former middle school site for recreation use. The proposed project would remain consistent with surrounding land uses. Therefore, the project would not cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect; impacts would be less than significant.

[72] City of Vallejo. 2025. City of Vallejo Municipal Code Title 16. Part III – Use Standards Table. Website: https://library.municode.com/ca/vallejo/codes/municipal_code?nodeId=TIT16ZO (accessed September 23, 2025).

4.12 MINERAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

*a. Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? **(No Impact)***

The Surface Mining and Reclamation Act (SMARA), enacted by the California Legislature in 1975 provides guidelines to assist with the classification and designation of mineral lands. Areas are classified on the basis of geologic factors without regard to existing land uses and ownership. SMARA categorizes areas into four Mineral Resource Zones (MRZs):

- **MRZ-1:** An area where adequate information indicates that no significant mineral deposits are present, or where it is judged that little likelihood exists for their presence.
- **MRZ-2:** An area where adequate information indicates that significant mineral deposits are present, or where it is judged that a high likelihood exists for their presence.
- **MRZ-3:** An area containing mineral deposits of which their significance cannot be properly evaluated.
- **MRZ-4:** An area where information is not adequate enough to be able to assign to any other MRZ zone.

Of these four categories, lands classified as MRZ-2 are of the greatest importance. Such areas are underlain by demonstrated mineral resources or are located where geologic data indicate that significant measured or indicated resources are present. MRZ-2 areas are designated by the California State Mining and Geology Board (SMGB) as being "regionally significant."

The project site is located in a developed, urban area of Vallejo and is not within an MRZ-2 as defined by SMARA.[73] According to SR-205, the project site is located in MRZ-1, where there is little likelihood for significant mineral resources. Additionally, according to the DOC's Division of Mine

[73] California Department of Conservation (DOC). n.d.-b. California Geological Survey, *SMARA Mineral Land Classification Special Report 205.* Website: https://maps.conservation.ca.gov/cgs/minerals/?page=Mineral-Land-Classification#data_s=id%3AdataSource_4-18a47b5b8e5-layer-10-192c08351d6-layer-28%3A33 (accessed September 2025).

Reclamation, there are no active mines in the city of Vallejo.[74] The nearest mines in Solano County occur outside the city of Vallejo boundary and include an open pit basalt quarry located approximately 4 miles northeast of the project site.[75] Therefore, the proposed project would not result in the loss of availability of a known mineral resource of value to the region or residents of the State, and there would be no impact related to the availability of mineral resources.

b. Would the project result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? ***(No Impact)***

Please refer to Section 4.12.a. The proposed project would not result in the loss of availability of any known locally important mineral resource recovery site. Therefore, no impact related to the availability of a mineral resources recovery site would occur.

[74] California Department of Conservation (DOC). n.d.-a. Division of Mine Reclamation, *Mines Online Mapper.* Website: https://maps.conservation.ca.gov/mol/index.html (accessed September 2025).

[75] Ibid.

4.13 NOISE

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project result in:				
a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐
b. Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

*a. Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? **(Less Than Significant with Mitigation Incorporated)***

Noise is usually defined as unwanted sound. Noise consists of any sound that may produce physiological or psychological damage and/or interfere with communication, work, rest, recreation, or sleep. Several noise measurement scales exist that are used to describe noise in a particular location. A decibel (dB) is a unit of measurement that indicates the relative intensity of a sound. Sound levels in dB are calculated on a logarithmic basis. An increase of 10 dB represents a tenfold increase in acoustic energy, while 20 dB is 100 times more intense and 30 dB is 1,000 times more intense. Each 10 dB increase in sound level is perceived as approximately a doubling of loudness; and similarly, each 10 dB decrease in sound level is perceived as half as loud. Sound intensity is normally measured through the A-weighted sound level (dBA), and this scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. The A-weighted sound level is the basis for 24-hour sound measurements, which better represent how humans are more sensitive to sound at night.

As noise spreads from a source, it loses energy, so that the farther away the noise receiver is from the noise source, the lower the perceived noise level would be. Geometric spreading causes the sound level to attenuate or be reduced, resulting in a 6 dB reduction in the noise level for each doubling of distance from a single point source of noise to the noise-sensitive receptor of concern.

There are many ways to rate noise for various time periods, but an appropriate rating of ambient noise affecting humans also accounts for the annoying effects of sound. The equivalent continuous sound level (L_{eq}) is the total sound energy of time varying noise over a sample period. However, the predominant rating scales for human communities in the State of California are the L_{eq}, the CNEL, and the day-night average level (L_{dn}) based on A-weighted decibels. CNEL is the time-varying noise over a 24-hour period, with a 5 dBA weighting factor applied to the hourly L_{eq} for noises occurring

from 7:00 p.m. to 10:00 p.m. (defined as relaxation hours) and a 10 dBA weighting factor applied to noises occurring from 10:00 p.m. to 7:00 a.m. (defined as sleeping hours). L_{dn} is similar to the CNEL scale, but without the adjustment for events occurring during the evening relaxation hours. CNEL and L_{dn} are within 1 dBA of each other and are normally interchangeable. The noise adjustments are added to the noise events occurring during the more sensitive hours.

Regulatory Framework. The following section provides brief discussions of the federal and local regulatory framework related to noise.

Vallejo General Plan. The City of Vallejo sets noise and land use compatibility standards in the Nature and Built Environment Element of the 2040 General Plan.[76] Specifically, Goal NBE-5 requires the City to protect life and property from natural and human-made hazards, and Policies NBE-5.13 and NBE-5.14 establish noise and vibration control policies to protect the community from excessive noise and vibration. Policy NBE-5.15 establishes Noise Compatibility Standards for all new residential, commercial, and mixed-use development and redevelopment. For playgrounds and neighborhood parks, the normally acceptable exterior noise level is 70 dBA CNEL.

Action NBE-5.15E states that when approving new development, project-related noise increases shall be limited to the following for permanent stationary and transportation-related noise sources:

- No more than 10 dB in non-residential areas;
- No more than 5 dB in residential areas where the with-project noise level is less than the maximum "normally acceptable" level in the Noise and Land Use Compatibility figure; and
- No more than 3 dB where the with-project noise level exceeds the "normally acceptable" level in the Noise and Land Use Compatibility figure.

Vallejo Municipal Code. In addition, the City regulates noise in Section 16.502.09 of the VMC.[77] Table 16.502-C of the VMC, Maximum Noise Level by Noise Zone, classifies uses and facilities and establishes the maximum noise level to be generated by daily operations as measured at the property line or at any boundary of a residential zone. For single-unit residential developments, the maximum noise level is 60 dBA L_{eq}.

Further, as established in the VMC, construction, demolition, and related loading/unloading activities that may generate noise exceeding levels in Table 4.I shall be limited to the hours between 7:00 a.m. and 7:00 p.m. in residential zoning districts and in any mixed-use district.

[76] City of Vallejo. 2017. *Vallejo General Plan 2040, amendments through July 24, 2018*. August 29.
[77] City of Vallejo. 2025. *Municipal Code, Section 16.502.09*. February 7. Website: https://library.municode.com/ca/vallejo/codes/municipal_code (accessed March 2023).

Table 4.I: Maximum Noise Level For Temporary Construction Activity (Mobile Construction Equipment)

Time	Rural Residential, Residential Low-Density	Residential Medium-Density, Residential Medium-Density, Neighborhood Mixed-Use, Neighborhood Commercial	Commercial (Including Medical and Office) and Industrial
Weekdays, 7:00 a.m. to 6:00 p.m.	75 dBA	80 dBA	85 dBA
Saturdays, 9:00 a.m. to 6:00 p.m.	60 dBA	65 dBA	70 dBA
Sundays and legal holidays	None	None	None

Source: City of Vallejo Municipal Code, Section 16.502.09, Noise Ordinance.
dBA = A-weighted decibels

California Department of Transportation. Vibration standards included in the California Department of Transportation (Caltrans) *Transportation and Construction Vibration Guidance Manual*[78] (Caltrans Manual) are used in this analysis for groundborne vibration impacts on human annoyance and building damage. The criteria for environmental impact from groundborne vibration are based on the maximum levels for a single event and the root-mean-square (RMS) vibration level. Table 4.J provides the criteria for assessing the potential for interference or annoyance from vibration levels in a building.

Table 4.J: Vibration Criteria for Annoyance Assessment

Human Response	Vibration Level (RMS in/sec)
Barely perceptible	0.01
Distinctly perceptible	0.04
Strongly perceptible	0.10
Severe	0.40

Source: *Transportation and Construction Vibration Guidance Manual* (Caltrans 2020).
Caltrans = California Department of Transportation RMS = root-mean-square
in/sec = inches per second

Table 4.K lists the potential vibration building damage criteria associated with construction activities, as suggested in the Caltrans Manual. Caltrans' guidelines show that a vibration level of up to 0.5 inch per second (in/sec) in peak particle velocity (PPV) is considered safe for newer residential structures and modern industrial or commercial buildings and would not result in any construction vibration damage.

78 California Department of Transportation (Caltrans). 2020. *Transportation and Construction Vibration Guidance Manual*. April.

Table 4.K: Construction Vibration Damage Criteria

Structure/Condition	PPV (in/sec)
Extremely fragile historic buildings, ruins, ancient monuments	0.08
Fragile buildings	0.10
Historic and some old buildings	0.25
Older residential structures	0.30
New residential structures	0.50
Modern industrial/commercial buildings	0.50

Source: Table 19, *Transportation and Construction Vibration Guidance Manual* (Caltrans 2020).
Caltrans = California Department of Transportation
in/sec = inches per second
PPV = peak particle velocity

Existing Noise Environment. Certain land uses are considered more sensitive to noise than others. Examples of these include residential areas, educational facilities, hospitals, childcare facilities, and senior housing. The project site is generally surrounded by residential uses to the north, west, and south, and Benjamin Franklin Middle School to the east. The closest sensitive receptors are the single-family residential uses located north, directly adjacent to the project site boundary.

Existing noise sources at the project site are primarily associated with traffic on surrounding roadways, including Wallace Avenue, Campbell Avenue, Starr Avenue, and Benicia Road.

To assess existing noise levels, LSA conducted two long-term noise measurements in the vicinity of the project site. The long-term (24-hour) noise level measurements were conducted on November 6 and 7, 2025, using two Larson Davis Spark 706RC Dosimeters. Table 4.L provides a summary of the measured hourly noise levels and calculated L_{dn} level from the long-term noise level measurements. Noise measurement sheets are provided in Appendix C. Figure 4-1 shows the long-term monitoring locations.

Table 4.L: Long-Term 24-Hour Ambient Noise Monitoring Results

Location		Daytime Noise Levels[1] (dBA L_{eq})	Evening Noise Levels[2] (dBA L_{eq})	Nighttime Noise Levels[3] (dBA L_{eq})	Daily Noise Levels (dBA CNEL)
LT-1	On a tree near the southwest corner of project site along Wallace Avenue, approximately 45 feet from the Wallace Avenue centerline	54.5–61.0	51.1–55.2	38.5–51.5	57.9
LT-2	On a tree near the northern boundary of the project site, approximately 130 feet from the Campbell Avenue centerline	47.4–54.0	44.4–47.7	39.5–50.4	53.0

Source: Compiled by LSA (2025).
Note: Noise measurements were conducted on November 6 and 7, 2025, starting at 2:00 p.m.
[1] Daytime Noise Levels = noise levels during the hours from 7:00 a.m. to 7:00 p.m.
[2] Evening Noise Levels = noise levels during the hours from 7:00 p.m. to 10:00 p.m.
[3] Nighttime Noise Levels = noise levels during the hours from 10:00 p.m. to 7:00 a.m.
CNEL = Community Noise Equivalent Level
dBA = A-weighted decibels
ft = foot/feet
L_{eq} = equivalent continuous sound level



LSA

LEGEND

Project Site Boundary

LT-1 Long-term Noise Monitoring Location

0 75 150

FEET

SOURCE: Google Earth (2025)

I:\2025\20252389\G\Noise_Locs.ai (12/29/2025)

FIGURE 4-1

Franklin Recreation Center Project

Noise Monitoring Locations

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a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? ***(Less Than Significant with Mitigation Incorporated)***

The potential for the project to generate a substantial temporary or permanent increase in ambient noise levels is described below.

Construction-Period Impacts. Construction of the proposed project could include construction activities that would result in a temporary increase in ambient noise levels in the project site vicinity. Maximum construction noise levels would be short-term, generally intermittent depending on the construction phase, and variable depending on receiver distance from the active construction zone. The duration of noise impacts generally would be 1 day to several days, depending on the phase of construction. Project construction would occur for approximately 9 months. The levels and types of noise impacts that would occur during construction are described below.

Short-term noise impacts would occur during paving and site preparation activities. Table 4.M lists maximum noise levels recommended for noise impact assessments for typical construction equipment, based on a distance of 50 feet between the equipment and a noise receptor. Construction-related short-term noise levels would be higher than existing ambient noise levels currently in the project area but would no longer occur once project construction is completed.

Two types of short-term noise impacts could occur during construction of the proposed project. The first type involves construction crew commutes and the transport of construction equipment and materials to the site for the proposed project, which would incrementally increase noise levels on roads leading to the site. As shown in Table 4.M, there would be a relatively high single-event noise exposure potential at a maximum level of 84 dBA maximum instantaneous noise level (L_{max}) with trucks passing from 50 feet.

The second type of short-term noise impact is related to noise generated during site preparation, grading, paving, and architectural coating on the project site. Construction is performed in discrete steps, or phases, each with its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases would change the character of the noise generated on site. Therefore, the noise levels vary as construction progresses. Despite the variety in the type and size of construction equipment, similarities in the dominant noise sources and patterns of operation allow construction-related noise ranges to be categorized by work phase.

Average maximum noise levels range up to 90 dBA L_{max} at 50 feet during the noisiest construction phases. The site preparation and grading phases tend to generate the highest noise levels because earthmoving machinery is the noisiest construction equipment. Earthmoving equipment includes excavating machinery such as backfillers, bulldozers, draglines, and front loaders. Earthmoving and compacting equipment includes compactors, scrapers, and graders. Typical operating cycles for these types of construction equipment may involve 1 or 2 minutes of full-power operation followed by 3 or 4 minutes at lower power settings.

Table 4.M: Typical Construction Equipment Noise Levels

Equipment Description	Acoustical Usage Factor (%)	Maximum Noise Level (L_{max}) at 50 Feet[1]
Backhoes	40	80
Compactor (ground)	20	80
Compressor	40	80
Cranes	16	85
Dozers	40	85
Dump Trucks	40	84
Excavators	40	85
Flat Bed Trucks	40	84
Forklift	20	85
Front-End Loaders	40	80
Graders	40	85
Impact Pile Drivers	20	95
Jackhammers	20	85
Pick-up Truck	40	55
Pneumatic Tools	50	85
Pumps	50	77
Rock Drills	20	85
Rollers	20	85
Scrapers	40	85
Tractors	40	84
Welder	40	73

Source: Roadway Construction Noise Model (FHWA 2006).
Note: Noise levels reported in this table are rounded to the nearest whole number.
[1] Maximum noise levels were developed based on Spec 721.560 from the CA/T program to be consistent with the City of Boston's Noise Code for the "Big Dig" project.
CA/T = Central Artery/Tunnel
FHWA = Federal Highway Administration
L_{max} = maximum instantaneous sound level

As identified above, the project site is generally surrounded by residential uses. The closest sensitive receptors include the residences located north of the project site, approximately 300 feet from the center of project site. The 300-foot distance would decrease the noise level by approximately 16 dBA compared to the noise level measured at 50 feet (88 dBA L_{eq}) from the construction activity. Therefore, the closest off-site receptors may be subject to short-term construction noise levels of 72 dBA L_{eq} when construction is occurring at the center of the project site. These predicted noise levels would only occur when all construction equipment is operating simultaneously; therefore, the noise levels are assumed to be rather conservative in nature. While construction-related short-term noise levels have the potential to be higher than existing ambient noise levels in the project area under existing conditions, the noise impacts would no longer occur once project construction is completed.

Table 4.N shows the nearest sensitive uses to the project site, their distance from the center of construction activities, and composite noise levels expected during construction. These noise level projections do not consider intervening topography or barriers.

Table 4.N: Potential Construction Noise Impacts at Nearest Receptor

Receptor (Location)	Composite Noise Level (dBA L_{eq}) at 50 ft[1]	Distance (ft)	Composite Noise Level (dBA L_{eq})
Residential Use (North)	88	300	72
Residential Use (West)		330	71
Residential Use (South)		350	71
School (East)		370	70

Source: Compiled by LSA (2025).

[1] The composite construction noise level represents the site preparation and grading phases, which are expected to result in the greatest noise levels compared to other phases.

dBA L_{eq} = average A-weighted hourly noise level

ft = foot/feet

Compliance with the allowed construction hours in the City's Noise Ordinance would ensure that construction noise does not disturb residents during typical sleeping hours or during hours when ambient noise levels are likely to be lower (i.e., at night). Furthermore, construction noise levels would be below the 75 dBA L_{eq} criteria established by the City's Municipal Code for residential uses. Although the short-term construction noise level exceeds the Saturday standard of 60 dBA L_{eq} at residential-zoned areas, construction activities would be limited to the hours between 9:00 a.m. and 6:00 p.m. and, therefore, would be considered less than significant.

The project would be constructed in compliance with the requirements of the City's Noise Ordinance, which states that construction activities are allowed between the hours of 7:00 a.m. and 6:00 p.m. on weekdays and between 9:00 a.m. and 6:00 p.m. on Saturdays.

Operational Noise Impacts. The project's potential to generate long-term noise impacts from both traffic and stationary noise sources is discussed below.

Traffic Noise Impacts Motor vehicles with their distinctive noise characteristics are the dominant noise source in the project vicinity. The amount of noise varies according to many factors, such as traffic volume, vehicle mix (percentage of cars and trucks), average traffic speed, and distance from the observer. Implementation of the proposed project would result in new daily trips on local roadways in the project vicinity. A characteristic of sound is that a doubling of a noise source is required in order to result in a perceptible (3 dBA or greater) increase in the resulting noise level.

Trip generation rates for the project were based on the trip generation analysis, which indicates that the project would generate approximately 575 net new trips. The adjacent Houston Avenue, according to the City's General Plan, is considered a collector street; collector streets typically carry up to 10,000 vehicles per day. Project trips would represent a small increase in noise level (up to approximately 0.2 dBA CNEL) based on the following equation:

$$Change\ in\ (dBA) = 10 * \log_{10}\left(\frac{Current\ Volume}{\text{Future Volume}}\right)$$

Therefore, project daily trips would not result in a perceptible noise increase along any roadway segment in the project vicinity, and impacts associated with traffic noise would be less than significant.

Stationary Noise Impact. The proposed project would renovate the land currently not in use, which could result in an increase in ambient noise levels in the vicinity of the project area associated with outdoor play and parking lot noise. Implementation of the proposed project could result in the shifting of noise levels in the vicinity of the project site associated with proposed recreational improvements, including the additional basketball courts, pickleball courts, a picnic area, and multi-use turf fields. The potential noise impacts associated with these proposed facilities are described below.

Multiuse Turf Fields. The proposed uses are expected to be similar to those of the existing fields. Any instances in which noise levels generated would result in a disturbance, the VMC would be utilized to minimize the operational impacts classified as nuisance issues. Additionally, typical activities at the multiuse lawn/fields are not expected to generate excessive noise levels and would only occur during daytime hours. To achieve compliance with the City's threshold of 60 dBA L_{eq} at nearby sensitive receptors, noise levels at the multiuse fields should not exceed 70 dBA at 50 feet.

Pickleball Activities. The proposed project would generate noise from pickleball activities. The closest off-site uses are the single-family residences approximately 160 feet west and south of the acoustical center of the pickleball courts. The reduction of noise levels from pickleball activities would be provided primarily by distance attenuation to off-site uses.

Assuming each court is hosting a doubles game, with each court generating an average noise level of 64.9 dBA L_{eq} at 25 feet, based on measurements conducted by LSA for a similar pickleball project, pickleball activity noise levels are estimated to approach 62 dBA L_{eq} at the residential uses to the west and south, approximately 160 feet from the acoustical center of the pickleball courts. This noise level would exceed the City's exterior daytime (7:00 a.m. to 10:00 p.m.) noise standards of 60 dBA L_{eq} and above-measured ambient noise levels. Because the design of the proposed pickleball courts is not yet known, Mitigation Measure NOI-1 would be required to ensure that the future design of the pickleball courts includes a noise barrier to reduce the noise levels generated during pickleball activities to a less than significant level.

Mitigation Measure NOI-1 **Noise Barrier for Pickleball Courts.** As part of the final design for the subsequent phase(s) of development, the City of Vallejo (City) shall require installation of a noise barrier along the western and southern boundaries of the proposed pickleball courts. The noise barrier may consist of any solid material, without gaps or holes, that meets a minimum density of 4 pounds per square foot or is sound rated and has a minimum Sound Transmission Class (STC) rating of 25. The noise barrier shall provide noise reduction sufficient to ensure that noise levels at the nearest

residential uses would not exceed the City's exterior daytime noise standard of 60 A-weighted decibels (dBA) equivalent continuous sound level (L_{eq}).

With implementation of Mitigation Measure NOI-1, which requires installation of a noise barrier around the pickleball courts, potential long-term noise levels associated with implementation of the proposed project would be less than significant with mitigation incorporated.

For the reasons described above, with implementation of Mitigation Measure NOI-1, the proposed project would not generate a substantial temporary or permanent increase in ambient noise levels in the project vicinity in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. This impact would be less than significant with mitigation incorporated.

b. Would the project result in generation of excessive groundborne vibration or groundborne noise levels? ***(Less Than Significant Impact)***

Vibration refers to groundborne noise and perceptible motion. Groundborne vibration is almost exclusively a concern inside buildings and is rarely perceived as a problem outdoors. Vibration energy propagates from a source, through intervening soil and rock layers, to the foundations of nearby buildings. The vibration then propagates from the foundation throughout the remainder of the structure. Building vibration may be perceived by the occupants as the motion of building surfaces, rattling of items on shelves or hanging on walls, or as a low-frequency rumbling noise. The rumbling noise is caused by the vibrating walls, floors, and ceilings radiating sound waves. Annoyance from vibration often occurs when the vibration exceeds the threshold of perception by 10 dB or less. This is an order of magnitude below the damage threshold for normal buildings.

Typical sources of groundborne vibration are construction activities (e.g., pavement breaking, operating heavy-duty earthmoving equipment), rail activity, and occasional traffic on rough roads. In general, groundborne vibration from standard construction practices is only a potential issue when within 25 feet of sensitive uses. Groundborne vibration levels from construction activities very rarely reach levels that can damage structures; however, these levels are perceptible near the active construction site. With the exception of older buildings built prior to the 1950s or buildings of historic significance, potential structural damage from heavy construction activities rarely occurs. When roadways are smooth, vibration from traffic (even heavy trucks) is rarely perceptible.

The roadways surrounding the project area, including Houston Avenue, are paved, smooth, and unlikely to cause significant groundborne vibration. In addition, the rubber tires and suspension systems of buses and other on-road vehicles make it unusual for on-road vehicles to cause groundborne noise or vibration problems. It is therefore assumed that no such vehicular vibration impacts would occur, and no vibration impact analysis of on-road vehicles is necessary.

The following vibration impact analysis discusses the level of human annoyance using vibration levels in RMS and assesses the potential for structural damages using vibration levels in PPV (in/sec)

because vibration levels calculated in RMS are best for characterizing human response to building vibration, while the vibration level in PPV is best used to characterize potential for damage.

Construction Vibration. Construction of the proposed project could result in the generation of groundborne vibration. Table 4.O shows the PPV and RMS values at 25 feet from a construction vibration source. As shown in Table 4.O, bulldozers and other heavy-tracked construction equipment (except for pile drivers and vibratory rollers) generate approximately 0.089 PPV (in/sec) or 0.062 RMS (in/sec) of groundborne vibration when measured at 25 feet, based on the *Transit Noise and Vibration Impact Assessment.*[79] At this level, groundborne vibration would result in potential annoyance to residents and workers but would not cause any damage to the buildings. Construction vibration, similar to vibration from other sources, would not have any significant effects on outdoor activities (e.g., those outside of residences and commercial/office buildings in the project vicinity). Outdoor site preparation for the proposed project is expected to include the use of bulldozers and loaded trucks. The greatest levels of vibration are anticipated to occur during the site preparation and grading phases. All other phases are expected to result in lower vibration levels.

Table 4.O: Vibration Source Amplitudes for Construction Equipment

Equipment	Reference PPV/L_V at 25 feet	
	PPV (in/sec)	RMS (in/sec)[1]
Pile Driver (Impact), Typical	0.644	0.451
Pile Driver (Sonic), Typical	0.170	0.119
Vibratory Roller	0.210	0.147
Hoe Ram	0.089	0.062
Large Bulldozer	0.089	**0.062**
Caisson Drilling	0.089	0.062
Loaded Trucks	0.076	**0.053**
Jackhammer	0.035	0.025
Small Bulldozer	0.003	0.002

Sources: *Transit Noise and Vibration Impact Assessment* (FTA 2018).
[1] RMS vibration velocity is 70 percent of maximum PPV.
Caltrans = California Department of Transportation
ft = foot/feet
FTA = Federal Transit Administration
in/sec = inches per second
PPV = peak particle velocity
RMS = root-mean-square

The distance to the nearest buildings for vibration impact analysis is measured between the nearest off-site buildings and the project boundary (assuming the construction equipment would be used at or near the project boundary) because vibration impacts occur normally within the buildings. The formula for vibration transmission is provided below. The material dampening coefficient, "n," ranges between 1.1 and 1.5 depending on soil type and distance from equipment.

$$PPV_{equip} = PPV_{ref} \times (25/D)^{n}$$

The reference distance for potential vibration annoyance impacts at the nearest receptor is associated with the average condition, identified by the distance from the center of construction

[79] Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual FTA Report No. 0123*. September.

activities to surrounding uses, while the reference distance for potential construction vibration damage impacts at the nearest receptor is associated with the peak condition, identified by the distance from the perimeter of construction activities to surrounding structures. Tables 4.P and 4.Q provide the estimated construction vibration levels for the nearest receptors to the project site.

Table 4.P: Potential Construction Vibration Annoyance Impacts at Nearest Receptor

Receptor (Location)	Reference Vibration Level (RMS) at 25 ft[1]	Distance (ft)[2]	Vibration Level (RMS)
Residential Use (North)	0.062	300	0.001
Residential Use (West)		330	0.001
Residential Use (South)		350	<0.001
School (East)		370	<0.001

Source: Compiled by LSA (2025).
[1] The reference vibration level is associated with a large bulldozer, which is expected to be representative of the heavy equipment used during construction.
[2] The assessment distance is associated with the average condition, identified by the distance from the center of construction activities to surrounding uses.
ft = foot/feet
RMS = root-mean-square

Table 4.Q: Potential Construction Vibration Damage Impacts at Nearest Receptor

Receptor (Location)	Reference Vibration Level (PPV) at 25 ft[1]	Distance (ft)[2]	Vibration Level (PPV)
Residential Use (North)	0.089	10	0.352
Residential Use (East)		75	0.017
Residential Use (South)		55	0.027
School (East)		75	0.017

Source: Compiled by LSA (2025).
[1] The reference vibration level is associated with a large bulldozer, which is expected to be representative of the heavy equipment used during construction.
[2] The assessment distance is associated with the peak condition, identified by the distance from the perimeter of construction activities to surrounding structures.
ft = foot/feet
PPV = peak particle velocity

Based on the information provided in Table 4.P, vibration levels at the closest residential uses to the north are expected to approach 0.001 RMS, which is below the 0.04 RMS threshold for annoyance. Project construction would not result in vibration levels that would typically result in human annoyance. Therefore, this level of groundborne vibration would be less than significant for human annoyance.

Based on the information provided in Table 4.Q, vibration levels are expected to approach 0.352 PPV at the closest residential uses to the north. This vibration level would not exceed the 0.5 in/sec PPV threshold considered safe for newer residential structures, which would result in a less than

significant impact. Vibration levels at all other buildings would be lower. Therefore, construction would not result in any vibration damage, and impacts would be less than significant.

c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? ***(No Impact)***

The closest airport to the project site is Napa County Airport, located approximately 8 miles north of the project site. The project site is not located within the 65 dBA CNEL noise contour for the airport and is not located within the vicinity of a private airstrip. Additionally, there are no helipads or private airstrips within 2 miles from the project area. Although aircraft-related noise may be audible on the project site, the proposed project would not expose people working in the project area to excessive noise levels due to the proximity of a public airport. No impact would occur.

4.14 POPULATION AND HOUSING

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

a. Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? ***(No Impact)***

The proposed project would renovate a portion of the former middle school for recreation use. Existing GVRD staff or their hired maintenance contractors would operate and maintain park facilities. No increase in employment is anticipated as a result of project implementation. No new housing, commercial, or industrial space would be developed as part of the proposed project. The proposed project would not result in the conversion of adjacent land uses or provide access to previously inaccessible areas. It would not provide additional major infrastructure or increase the capacity of the existing water system. Therefore, the proposed project would not directly or indirectly induce substantial population growth. No impact would occur.

b. Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere? ***(No Impact)***

The project site consists of a portion of the former middle school site, which is currently being used by the GVRD for recreation use. No permanent housing is located on the project site. Therefore, development of the proposed project would not displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere. No impact would occur.

4.15 PUBLIC SERVICES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i. Fire protection?	☐	☐	☒	☐
ii. Police protection?	☐	☐	☒	☐
iii. Schools?	☐	☐	☐	☒
iv. Parks?	☐	☐	☒	☐
v. Other public facilities?	☐	☐	☒	☐

a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

The following section addresses the proposed project's potential effects on fire service, police service, schools, parks, and other public facilities. Impacts to public services would occur if the proposed project would increase demand for services such that new or expanded facilities would be required, and construction or operation of these new facilities would cause environmental impacts.

*i. Fire protection? **(Less Than Significant Impact)***

Fire suppression, emergency medical and rescue services, and other life safety services are provided to Vallejo and the project site by the VFD. The VFD also provides a range of non-emergency services, including public education, fire prevention programs, and permit inspection services. The VFD also participates in countywide and statewide mutual-aid programs with fire agencies in Solano County, Napa County, and Contra Costa County. There are six fire stations within Vallejo. The closest fire station to the project site is Vallejo Fire Station 22, located at 700 Fifth Street, approximately 0.85 mile southwest of the project site. Current VFD staffing and equipment levels allow for simultaneous dispatch of up to three engines, one truck, one paramedic unit, and the Battalion Chief.[80]

The VFD currently meets its response time goals in much of the city, where incidents are generally clustered in proximity to higher-call-volume fire stations. In outlying areas of the city, steep terrain and a winding street network make maintaining response time goals more challenging. Mutual-aid

[80] City of Vallejo. 2016. *Propel Vallejo. General Plan 2040 and Sonoma Boulevard Specific Plan Draft EIR.* Page 4.13-5. Website: https://www.cityofvallejo.net/common/pages/GetFile.ashx?key=IRISAczs (accessed September 2025).

agreements with neighboring jurisdictions help ensure adequate response times in the outlying areas. Currently, VFD can dispatch firefighters to areas farthest from any station within 12 minutes of call receipt, which is generally adequate to stop serious fires from spreading to adjoining buildings and to provide medical treatment for noncritical patients.[81]

The proposed project would redevelop a former middle school site on which the GVRD has an ongoing lease with the VCUSD for use of the existing fields and gymnasium. As a result, implementation of the proposed project, which would include development of new recreation facilities, would result in an increase in the daytime population at the project site and incrementally increase the demand for emergency fire service and emergency medical services compared to existing conditions. However, the proposed project would be required to comply with all applicable codes for fire safety and emergency access. As noted in Section 4.17.1.d, the proposed project would have adequate emergency access.

The VFD would continue providing services to the project site and would not require additional firefighters to serve the proposed project. Because proposed improvements would be for recreation and would not include housing units or other structures, the incremental increase in demand for fire protection services would not be significant and would not exceed the physical and financial capabilities of the VFD. The proposed project would not result in a significant impact on the physical environment due to the incremental increase in demand for fire protection and life safety services, and the potential increase in demand for services is not expected to adversely affect existing response times to the site or within the city. Therefore, construction and operation of the proposed project would have a less than significant impact on fire protection and safety services and facilities.

ii. Police protection? ***(Less Than Significant Impact)***

The Vallejo Police Department (VPD) provides police protection services to Vallejo and the project site. VPD has one station within the city limits, located at 111 Amador Street, approximately 0.5 mile northwest of the project site. According to the most recent Staffing and Response Update, VPD currently employs 78 sworn police officers.[82]

The proposed project would renovate a former middle school site on which the GVRD has an ongoing lease with the VCUSD for use of the existing fields and gymnasium. The proposed project could result in a marginal increase in daytime population on the project site and incrementally increase demand for emergency police services to the project site compared to existing conditions. However, the VFD would continue providing services to the project site and would not require additional police officers to serve the proposed project as the proposed project would include the improvements to an existing use on a previously developed site and would not result in a permanent population increase within the city. Because proposed improvements would be for recreation and would not include housing units or other structures, the incremental increase in demand for police protection services would not

81 City of Vallejo. 2016. *Propel Vallejo. General Plan 2040 and Sonoma Boulevard Specific Plan Draft EIR.* Page 4.13-6. Website: https://www.cityofvallejo.net/common/pages/GetFile.ashx?key=IRISAczs (accessed September 2025).

82 Vallejo Police Department (VPD). 2025. Update – Public Safety and Staffing Emergency. February 11. Website: https://www.vallejopd.net/public_information/accountability_transparency (accessed November 26. 2025).

be significant and would not exceed the physical and financial capabilities of the VPD. The proposed project would not result in a significant impact on the physical environment due to the incremental increase in demand for police protection services, and the potential increase in demand for services is not expected to adversely affect existing response times to the site or within the city. Therefore, construction and operation of the proposed project would have a less than significant impact on fire protection and safety services and facilities.

iii. Schools? ***(No Impact)***

The project site is within the boundaries of the VCUSD. According to the VCUSD website,[83] the VCUSD currently has 10 elementary schools (serving kindergarten through grade 5); 1 middle school (serving grades 6 through 8); 3 schools (serving transitional kindergarten through grade 8); 2 high schools (serving grades 9 through 12); 1 alternative school; and 1 adult school.

The proposed project does not include the construction of any new residential uses. As described in Section 4.14.1.a, the proposed project would not substantially induce housing or population growth, either directly or indirectly, within the city. Therefore, the proposed project would not result in an increase in the number of school-age children in the area. As such, the proposed project would not increase demand for schools, and no impact would occur.

iv. Parks? ***(Less Than Significant Impact)***

The project site consists of the existing Franklin Recreation Center Park, which includes existing fields and a gymnasium operated by the GVRD. As part of the proposed project, improvements would be made to the park, including the construction of turf fields, pickleball courts, basketball courts, a play area, and concessions area within the project site. Additionally, the proposed project would include construction of a new parking lot, landscaping, lighting, utilities, and stormwater management facilities. During construction, portions of the park would be inaccessible, which could increase demand for other nearby parks. However, this impact would be temporary in nature and would subside after construction of the proposed project is complete. Therefore, the proposed project would have a less than significant impact related to the provision of park facilities.

v. Other public facilities? ***(Less Than Significant Impact)***

As noted above, the proposed project does not include the construction of any new residential uses and would not substantially induce housing or population growth, either directly or indirectly, within the city. Therefore, the proposed project would not result in increased demand for other public facilities, such as libraries or community centers. This impact would be less than significant.

[83] Vallejo City Unified School District (VCUSD). n.d. “Explore Our Schools” Website: https://www.vcusd.org/our-schools?tag_id= (accessed February 2026).

4.16 RECREATION

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☒	☐	☐

a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? ***(Less Than Significant Impact)***

The proposed project would temporarily increase the use of other parks and recreation facilities during a portion of the construction period because access to the project site, which currently includes recreation facilities (e.g., ball fields), would be limited during this time. These parks and recreation facilities could include Wilson Park, Lake Dalwigk Park, Children's Wonderland Park, and Amador Park. The increased use of the surrounding parks and recreational facilities would be temporary in nature and would subside after construction of the proposed project is complete. Additionally, the proposed Franklin Recreation Center Park may decrease use at other parks and recreation facilities once the project is complete because the proposed project would provide additional recreational opportunities for the community. Therefore, the proposed project would have a less than significant impact on existing parks or other recreational facilities.

b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? ***(Less Than Significant with Mitigation Incorporated)***

The proposed project would renovate and improve a former middle school site on which the GVRD leases the existing fields and gymnasium for recreational activities. Proposed improvements include development of new park facilities, renovation of existing fields, and construction of pickleball courts, basketball courts, a play area, a concessions area, and associated landscape and parking improvements. Potential adverse effects on the environment related to development of the proposed project have been evaluated in this IS/MND. Implementation of the mitigation measures described in this IS/MND would ensure that proposed improvements would not have an adverse physical effect on the environment. With implementation of the mitigation measures described herein, environmental impacts associated with the construction of proposed recreational facilities would be less than significant with mitigation incorporated.

4.17 TRANSPORTATION

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☒	☐
b. Conflict or be inconsistent with CEQA Guidelines §15064.3, subdivision (b)?	☐	☐	☒	☐
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d. Result in inadequate emergency access?	☐	☐	☒	☐

a. Would the project conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities? ***(Less Than Significant Impact)***

The *City of Vallejo Traffic Impact Analysis/Study Guidelines*[84] states that any project with initial traffic generation estimates showing that the project is likely to add 500 or more daily two-way trips and/or 100 or more peak-period two-way trips to the existing circulation system would require a traffic study to identify the impacts to traffic operation and safety. Staff at the City of Vallejo prepared draft *CEQA Transportation Impact Analysis Guidelines*[85] in July 2020, which were revised in October 2020 but do not appear to have been formally adopted. These draft guidelines do not alter previous guidance related to considerations of level of service (LOS) on the local circulation system.

Trip Generation. The 14.7-acre project site was most recently sports and recreation fields for the former (now closed) Benjamin Franklin Middle School. The proposed project would not demolish school buildings but would redevelop these 14.7 acres to create a new park to serve the adjacent neighborhood. Trip generation rates provided in the Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 12th Edition, identify vehicle trips associated with various land uses based on surveys of similar sites around the country. Some of the park elements have the potential to generate travel demand at a higher rate than typical park space. The trip generation calculation applies rates for the pickleball courts based on trip generation surveys of similar uses conducted by LSA. Because no school buildings would be demolished, this analysis does not deduct any potential trips generated by the existing land use. The total trip generation potential for the project is displayed in Table 4.R. As shown in the table, the proposed project has the potential to generate 145 trips per day (mostly from the pickleball courts), of which 18 trips would occur in the a.m. peak hour and 14 trips would occur in the p.m. peak hour.

84 City of Vallejo Public Works Department. 2012. *Traffic Impact Analysis/Study Guidelines*. Website: https://www.cityofvallejo.net/common/pages/DisplayFile.aspx?itemId=17941488 (accessed December 10, 2025)

85 City of Vallejo. 2020. *Draft CEQA Transportation Impact Analysis Guidelines.*

Table 4.R: Trip Generation Summary

Land Use (Land Use Code)	Size	Unit	ADT	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Trip Rates									
Park (411)[1]		Acre	0.78	0.03	0.02	0.05	0.09	0.06	0.15
Pickleball Courts[2]		Court	44.78	3.74	1.90	5.64	2.44	1.66	4.10
Trip Generation									
Public Park	14.7	Acre	11	1	0	1	1	1	2
Pickleball Courts	3	Court	134	11	6	17	7	5	12
Net Trip Generation			**145**	**12**	**6**	**18**	**8**	**6**	**14**

Source: LSA Associates, Inc. (2025).
[1] Trip rates referenced from the ITE *Trip Generation Manual*, 12th Edition.
[2] Trip rates based on surveys of similar land uses by LSA.
ADT = average daily trips ITE = Institute of Transportation Engineers

Vehicular Circulation. On December 28, 2018, the California Office of Administrative Law and the California Governor's Office of Planning Research (OPR) cleared and adopted the revised *State CEQA Guidelines* Section 15064.3. Among the changes to the guidelines was the removal of vehicle delay and LOS as the sole basis of determining environmental impacts under CEQA. With the implementation of the adopted guidelines, transportation impacts are to be evaluated based on a project's effect on VMT. On July 1, 2020, the provisions of *State CEQA Guidelines* Section 15064.3 became effective statewide. The project's consistency with *State CEQA Guidelines* Section 15064.3 is discussed under Section 4.17.b, below.

As shown in Table 4.R, the anticipated trip generation associated with the proposed project is below the thresholds established by the City for analysis of traffic impacts. At such low volumes, additional traffic associated with the proposed project would not alter vehicular traffic operations on local roadways. Therefore, the proposed project would not conflict with a policy related to the roadway system. This impact would be less than significant.

Pedestrian Facilities. Pedestrian facilities in the study area consist of sidewalks and crosswalks on roadways in the project area. The project is expected to increase the number of pedestrians using the sidewalks and crosswalks. Existing sidewalks are provided along the Starr Avenue and Wallace Avenue frontages with landscaped setbacks from the curb in some locations. In addition, pedestrian paths are provided through the former middle school site. The overall network of sidewalks and crosswalks in the vicinity of the project site has adequate connectivity and provides pedestrians with safe routes to nearby destinations. The project would not remove any pedestrian facilities, nor would it conflict with any adopted plans or policies for new pedestrian facilities. As part of the proposed project, new pedestrian paths would be installed to promote pedestrian circulation through the site, including access from new access points and connectivity to existing facilities associated with the former middle school.

The proposed project is not anticipated to eliminate off-site pedestrian facilities, create hazardous conditions for pedestrians by changing off-site geometric features or introducing incompatible vehicle types to the roadway system, or conflict with any existing or planned pedestrian facilities. Therefore, impacts to pedestrian facilities would be less than significant.

Bicycle Facilities. The project site is located in a residential neighborhood with no designated bicycle facilities in the immediate vicinity of the project site. According to the Solano County Active Transportation Plan,[86] a Class II buffered bike lane is proposed on George Street, north of the project site. The proposed project design would not eliminate bicycle facilities that connect to the area circulation system and would not conflict with existing or planned bicycle facilities, nor would it create a hazardous condition for bicyclists by changing off-site geometric features or introducing incompatible vehicle types to the roadway system. Therefore, impacts to bicycle facilities would be less than significant.

Transit Service. Vallejo's main transit service is SolTrans, providing local bus routes and SolanoExpress lines connecting to Bay Area Rapid Transit (BART), ferries, and Amtrak from the Vallejo Transit Center (VTC). The closest route to the project site is Route 8 (Monday through Saturday), which runs along Benicia Road south of the project site. Route 8 has a frequency of approximately 60 minutes and runs from 6:35 a.m. to 8:41 p.m., Monday through Friday, and from 9:00 a.m. to 6:42 p.m. on Saturday. Currently, the bus stop nearest the proposed project is located on Benicia Road at Starr Avenue, approximately 0.07 mile south of the project site.

While the proposed project could generate new demand for the public transit services and facilities that serve the area, transit system and transit vehicle capacities are not expected to be exceeded, and the proposed project is not in conflict with existing or planned public transit facilities. Therefore, impacts to public transit would be less than significant.

Because the project is below the threshold for preparing a traffic analysis and does not interfere with transit, bicycle, or pedestrian facilities, the project would have a less than significant impact related to conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities.

*b. Would the project conflict or be inconsistent with CEQA Guidelines §15064.3, subdivision (b)? **(Less Than Significant Impact)***

The draft *CEQA Transportation Impact Analysis Guidelines* establish land use project screening. Step 3 Project Type Screening lists examples of locally serving projects that support community needs, are presumed to have a less than significant impact on VMT, and do not require a CEQA VMT analysis. Examples of locally serving projects include parks. Additionally, the OPR *Technical Advisory on Evaluating Transportation Impacts in CEQA* describes how locally serving projects can redistribute trips and reduce regional VMT by enabling residents to choose a closer option and shorten trip length. Many of the visitors to the proposed project are likely to reside in the adjacent neighborhood and could make walking or biking trips to the proposed project. Other visitors may consider the proposed project a better option than similar amenities located farther from their residence.

As described above, the proposed project would be a locally serving park presenting an intervening option that allows visitors to shorten vehicle trips. Therefore, in accordance with the Technical

[86] County of Solano. 2020. *Solano Countywide Active Transportation Plan 2020.* Website: https://sta.ca.gov/wp-content/uploads/2020/06/Vallejo.pdf (accessed December 11, 2025).

Advisory, impacts related to CEQA Guidelines Section 15064.3, subdivision (b), can be assumed to be less than significant.

c. Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? ***(Less Than Significant Impact)***

Vehicle access to the park would continue to be provided via Starr Avenue. Pedestrian access points are currently provided via openings in the existing chain-link fence that surrounds the existing park. Entrances exist along Starr Avenue, Wallace Avenue, and along the northern boundary of the project site, between existing single-family homes at Roney Avenue. The proposed project would not change the layout of Wallace Avenue or Starr Avenue. The proposed project would use existing access points where possible and would construct new driveways consistent with established design standards with signing and striping consistent with the *California Manual on Uniform Traffic Control Devices* (MUTCD).[87] Therefore, the project would not create a hazard due to a geometric design feature or dangerous intersection. Travel modes to the proposed project, including pedestrian, bicycle, and automobile, are compatible with the surrounding neighborhood and infrastructure. Therefore, the proposed project would result in a less than significant impact related to hazards associated with a design feature or incompatible uses.

d. Would the project result in inadequate emergency access? ***(Less Than Significant Impact)***

Factors such as the number of access points, roadway width, and proximity to fire stations determine whether a site provides sufficient emergency access. Parking is currently provided at the existing Franklin Recreation Center Park, consisting of parking stalls located on the former middle school property and street parking along Starr Avenue and Wallace Avenue. Under the proposed project, a new parking lot is proposed at the southern project boundary, adjacent to Starr Avenue. Vehicle access to the park would continue to be provided via Starr Avenue. Pedestrian access points are currently provided via openings in the existing chain-link fence that surrounds the existing park. Entrances exist along Starr Avenue, Wallace Avenue, and the northern boundary of the project site, between existing single-family homes at Roney Avenue.

The fire station most likely to serve the site is Vallejo Fire Station 22, located at 700 Fifth Street, approximately 0.85 mile southwest of the project site. As described above, vehicular trips associated with the proposed project would be minimal; therefore, the proposed project would not significantly increase traffic congestion in the vicinity of the project site. Further, emergency vehicles would retain the right to preempt traffic signals and use lights and sirens to indicate to drivers that they need to yield. Further, the proposed project would not alter the existing transportation network or emergency access routes. Emergency vehicle access to the project site would continue to be provided via Starr Avenue. Therefore, the project's impacts to emergency vehicle access would be less than significant.

[87] California State Transportation Agency and Department of Transportation. 2023. *California Manual on Uniform Traffic Control Devices*, 2014 Revision 7. March.

4.18 TRIBAL CULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)? Or	☐	☒	☐	☐
ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

a. Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)? Or ***(Less Than Significant with Mitigation Incorporated)***

Enacted in 2014 and codified in part in PRC Section 21080.3.1, Assembly Bill (AB) 52 (Gatto) amended CEQA to require tribal cultural resources to be considered as potentially significant cultural resources under the CEQA environmental review process. The procedures under AB 52 offer Tribes an opportunity to take an active role in the CEQA process in order to protect tribal cultural resources. Pursuant to AB 52, if a Native American identifies tribal cultural resources within a project site, the Native American shall contact the local lead agency.

On November 17, 2025, the GVRD sent AB 52 outreach letters to the Tribes listed in the contact list provided by the Native American Heritage Commission (NAHC) on October 28, 2025:

- Cachil Dehe Band of Wintun Indians of the Colusa Indian Community
- Confederated Villages of Lisjan Nation
- Cortina Rancheria – Kletsel Dehe Band of Wintun Indians

- Grindstone Rancheria of Wintun-Wailaki
- Guidiville Rancheria of California
- Muwekma Ohlone Tribe of the San Francisco Bay Area
- Wilton Rancheria
- Yocha Dehe Wintun Nation

The letters described the proposed project, provided maps of the project site, and invited the Tribes to request consultation should they have any concerns. On April 2 and 6, 2026, GVRD reached out to Tribes that had not responded to follow up and ask if the Tribe wished to consult on the proposed project.

The GVRD received responses from three of the Tribes contacted. Wilton Rancheria declined the invitation to consult (April 2, 2026). The Confederated Villages of Lisjan Nation requested to consult on the project and asked for the results of the SLF search, the results of the CHRIS [NWIC] records search, and any cultural resource reports prepared for the project. They also asked for information about proposed project-related ground disturbance and asked whether there was information known about the vertical and horizontal extent of fill within the project area (November 17, 2025). The Muwekma Ohlone Tribe of the San Francisco Bay Area also requested to consult on the project and offered to discuss their list of services (including Tribal consultation, monitoring, and burial recovery) (November 19, 2025).

On March 27, 2026, the GVRD provided the two consulting Tribes with the draft cultural resources report (including the NWIC results tables and NAHC correspondence) as well as the draft cultural mitigation measures. No responses were received; on April 16, 2026, the GVRD reached out and requested a response from the consulting Tribes regarding the draft cultural resources report and cultural mitigation measures. On April 21, 2026, the Confederated Villages of Lisjan Nation (Lisjan Nation) sent an email response that included recommendations for inadvertent discovery of tribal cultural resources and human remains. The Muwekma Ohlone Tribe of the San Francisco Bay Area (Muwekma Ohlone Tribe) also responded on April 21, 2026, requesting that tribal monitoring, cultural sensitivity training and discovery protocols be incorporated into the mitigation measures. The GVRD agreed to the tribal representatives' recommendations.

As discussed in Section 4.5, Cultural Resources, no cultural resources were previously documented within the project site or identified by the survey. No known significant archaeological or tribal cultural resources are located within the project site that are listed or eligible for listing in the California Register of Historical Resources (California Register) or in a local register of historical resources as defined in PRC Section 5020.1(k).

Results of a records search identified 17 resources within 0.5-mile of the project site and although the project site has been largely disturbed due to development of the former middle school, prior disturbance does not preclude the presence of intact subsurface deposits. Therefore, there is a possibility that the proposed project could impact as-yet-unrecorded subsurface resources on the project site that could be eligible for listing in the California Register or in a local register of historical resources as defined in PRC Section 5020.1(k).

Implementation of Mitigation Measures TCR-1 through TCR-4 would satisfy the agreement between the GVRD and tribal representatives under AB 52 and reduce potential impacts from the proposed project to a less than significant level.

Mitigation Measure TCR-1

Cultural Resources and Tribal Cultural Resources Sensitivity Training. In addition to the Worker Environmental Awareness Program (WEAP) training, all personnel involved in project-related ground-disturbing activities (e.g., on-site construction managers, backhoe operators) shall be required to participate in a cultural resources and tribal cultural resources sensitivity training program. The cultural sensitivity training shall be developed by an archaeologist that meets the Secretary of the Interior's Professional Qualifications Standards in archaeology, in consultation with input from the Confederated Villages of Lisjan Nation (Lisjan Nation) and the Muwekma Ohlone Tribe of the San Francisco Bay Area (Muwekma Ohlone Tribe).

The cultural sensitivity training shall be conducted before any project-related ground-disturbing activities (including building foundation or subsurface tank removal) begin at the project site. The cultural sensitivity training will include relevant information regarding sensitive cultural resources and tribal cultural resources, including applicable regulations, protocols for avoidance, and consequences of violating State laws and regulations. The cultural sensitivity training will also describe appropriate avoidance and impact minimization measures for cultural resources and tribal cultural resources that could be located at the project site and will outline what to do and whom to contact if any potential cultural resources or tribal cultural resources are encountered. The cultural sensitivity training will emphasize the requirement for confidentiality and culturally appropriate treatment of any discovery of significance to Native Americans and will discuss appropriate behaviors and responsive actions, consistent with Native American tribal values.

The cultural sensitivity training shall be presented by an archaeologist and a representative from the Tribe. The Greater Vallejo Recreation District shall maintain a record of all construction personnel that have received the cultural sensitivity training.

Mitigation Measure TCR-2

Native American Monitoring. Prior to ground disturbing activities, Tribal monitor(s) from the Confederated Villages of Lisjan Nation and Muwekma Ohlone Tribe of the San Francisco Bay Area shall be retained. Tribal monitor(s) will have the authority to halt and redirect work should any archeological or tribal cultural resources be identified during monitoring. If archeological or Tribal cultural

resources are encountered during ground disturbing activities, work within 100 feet of the find must halt and the find evaluated for listing in the California Register of Historic Resources (CRHR) and National Register of Historic Places (NRHP). Monitoring may be reduced or halted at the discretion of the Tribal monitor(s), in consultation with the lead agency, if site conditions indicate that there is little likelihood of encountering intact deposits (e.g., encountering bedrock, sediments being excavated are fill or negative findings for 50 percent of ground disturbance). If monitoring is reduced to spot checking, spot checking shall occur when ground disturbing activities move to a new location within the project site and when ground disturbance will extend to depths not previously reached (unless those depths are within bedrock).

Mitigation Measure TCR-3

Unanticipated Discovery of Tribal Cultural Resources. If cultural resources of Native American origin are identified during grading or excavation of the proposed project, all ground disturbing activities within 100 feet must cease until a qualified professional archaeologist (either an archaeologist who meets the Secretary of the Interior's Professional Qualifications Standards for Archaeology or an archaeologist supervised by such an archaeologist) has evaluated the nature and significance of the find as a cultural resource, and the Greater Vallejo Recreation District (GVRD) representative has consulted a representative from the Confederated Villages of Lisjan Nation (Lisjan Nation) and the Muwekma Ohlone Tribe of the San Francisco Bay Area (Muwekma Ohlone Tribe). The archaeologist will stake the area of discovery, placing stakes no more than 10 feet apart, forming a circle having a radius of no less than 100 feet from the point of discovery. If the GVRD in consultation with the consulting Tribe(s), determines that the resource is a Tribal Cultural Resource and thus significant under CEQA and/or the Tribe(s), the entity shall retain a qualified archeologist and a Tribal monitor, at the applicant's expense, to prepare and implement a mitigation plan, in accordance with state guidelines and in consultation with the consulting Tribe(s). The mitigation plan shall include avoidance of the resource or, if avoidance of the resource is infeasible, the plan shall outline appropriate treatment of the resource in coordination with the consulting Tribe(s) and, if applicable, the qualified archeologist. Examples of appropriate mitigation for the Tribal cultural resources include, but are not limited to, protecting the cultural character and integrity of the resources, protecting traditional use of the resources, or protecting the confidentiality of the resources, or heritage recovery. avoidance and preservation in place shall be the preferred treatment for tribal cultural resources where feasible. The

GVRD and its contractor(s) shall not photograph, publicize, post, or share information about any discovered Tribal cultural resources.

Mitigation Measure TCR-4

Halt Work/Coroners Evaluation/Impact to Previously Undiscovered Human Remains. If human remains are encountered during construction and ground disturbing activities, the Greater Vallejo Recreation District (GVRD) or the GVRD's contractor must redirect all work within 100 feet of the remains and immediately contact the County Coroner, the GVRD, and a qualified professional archaeologist (either an archaeologist who meets the Secretary of the Interior's Professional Qualifications Standards for Archaeology or an archaeologist supervised by such an archaeologist) to assess the situation. If the human remains are of Native American origin, the Coroner must notify the Native American Heritage Commission (NAHC) within 24 hours of this identification. The NAHC will identify a Native American Most Likely Descendent (MLD) to inspect the site and provide recommendations for the proper treatment of the remains and any associated funerary objects. Any additional documentation or recovery efforts shall occur only in coordination with and consistent with the recommendations of the Most Likely Descendant (MLD) and consulting Tribe(s). Upon completion of the archeologist's assessment, a report must be prepared documenting, methods and results, as well as recommendations regarding the treatment of the human remains and any associated archeologist materials. The report must be submitted to the GVRD, the Northwest Information Center (NWIC) and the consulting Tribe. Tribal representatives will rebury the Native American human remains and associated funerary objects with the appropriate dignity either: in accordance with the recommendations of the MLD if available; or in the project vicinity at a location selected in consultation with the Tribe, the professional archeologist, the City and the project proponent, where the reburial would be accessible to Tribal members in perpetuity and would not be subject to further disturbance. The discovery and reburial is to be kept confidential and secure to prevent any further disturbance.

In the event that previously unidentified archaeological resources are discovered by the tribal monitor, implementation of Mitigation Measures TCR-3 and TCR-4, and Mitigation Measure CUL-1b, as detailed in Section 4.5, Cultural Resources, and compliance with Section 7050.5 of the California Health and Safety Code and PRC Section 5097.98 would reduce the potential construction-period discovery of previously unidentified subsurface deposits and human remains that may be of tribal origin to a less than significant level. With implementation of Mitigation Measures CUL-1a, CUL-1b, TRC-1, TCR-2, TCR-3, and TCR-4, impacts to tribal cultural resources would be less than significant with mitigation incorporated.

ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. ***(Less Than Significant with Mitigation Incorporated)***

Please refer to Section 4.18.b, above. Although the cultural resources study did not yield historically significant resources, there is a possibility that the proposed project could impact as-yet-unrecorded, subsurface deposits on the project site that could be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1. In the event that previously unidentified archaeological resources are discovered by the tribal monitor, implementation of Mitigation Measures TCR-3, TCR-4 and Mitigation Measures CUL-1a and 1b (as detailed in Section 4.5, Cultural Resources), and compliance with Section 7050.5 of the California Health and Safety Code and PRC Section 5097.98 would reduce the potential construction-period discovery of previously unidentified subsurface deposits and human remains that may be of tribal origin to a less than significant level. With incorporation of Mitigation Measures CUL-1, TRC-1, TCR-2, TCR-3, and TCR-4, impacts to tribal cultural resources would be less than significant.

4.19 UTILITIES AND SERVICE SYSTEMS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

a. Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects? ***(Less Than Significant Impact)***

A variety of local and regional purveyors in this area provide and maintain utility and service system facilities associated with electricity, water, stormwater, wastewater, solid waste, and communications. Proposed park facilities would be served by existing utilities and would connect to existing utilities along Starr Avenue and Wallace Avenue. These existing services and potential impacts to these services are discussed below.

Water. Water service in Vallejo is provided by the City of Vallejo Water Department.

The City of Vallejo updated its Urban Water Management Plan (UWMP) in 2020, and it was adopted in 2021. According to the UWMP, the average water use for the City's service area is projected to be 30,331 acre-feet per year (AFY) in 2035 and 31,892 AFY in 2045.[88] As discussed in Section 4.19.b, the proposed project would not substantially increase demand for water and would therefore not exceed the capacity of existing water treatment facilities. Proposed park improvements would connect to existing water utilities for continued operation of the restroom building and irrigation for the improved playing fields. No new utility connections would be required.

Wastewater. The Vallejo Flood and Wastewater District (VFWD) maintains existing sanitary sewer lines within the vicinity of the project site. Proposed improvements would not require wastewater

[88] City of Vallejo. 2021. *2020 Urban Water Management Plan.* October 12.

collection and treatment services. However, the existing restroom building would remain connected to wastewater utilities.

Stormwater. Stormwater facilities would be provided in accordance with the City of Vallejo Stormwater Management and Discharge Control requirements outlined in Chapter 12.41 of the VMC.[89] Stormwater would be discharged into an existing underground storm drain at the southern edge of the project site. Stormwater treatment is proposed using multiple stormwater treatment areas, consisting of grassy swales, throughout the proposed field areas, parking lot, and project perimeter.

The proposed stormwater infrastructure would be limited to the project site, constructed in accordance with all City regulations and requirements, and designed consistent with the MRP Program requirements for LID. Therefore, impacts associated with the construction of the proposed stormwater infrastructure would be less than significant.

Electricity. Electricity service is provided to the project site by PG&E. The proposed project would include connections to the existing electric lines that run adjacent to the project site along Wallace Avenue and Starr Avenue. The proposed project would not require any new infrastructure aside from project-specific tie-ins and lines to serve the proposed project.

Because the proposed project would connect to existing utility services adjacent to the project site and there is sufficient capacity within those systems to accommodate project demands, the relocation or reconstruction of new or expanded water, wastewater treatment, or stormwater drainage, electric power, or telecommunications facilities would not be required. No modifications to utility infrastructure would be necessary outside of the immediate project site footprint. As such, impacts associated with the construction or expansion of utility line facilities would be less than significant.

b. Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years? ***(Less Than Significant Impact)***

As previously discussed, water service in Vallejo is provided by the City of Vallejo Water Department. The City of Vallejo updated its UWMP in 2020, and it was adopted in 2021. The City provides water services to two geographically district service areas: the City of Vallejo jurisdictional limits and adjacent unincorporated areas ("Vallejo City Service Area"), and an area in the unincorporated western part of Solano County and southern Napa County ("Vallejo Lakes Service Area"). The City has numerous water supply sources that provide significant annual volumes of water, including: the Sacramento River watershed; the Solano Project from Putah Creek watershed, which includes Lake Berryessa; the Wild Horse Creek watershed through Lake Madigan, Lake Frey, and the Green Valley Diversion; and the Upper Suisun Creek watershed through Lake Curry. The City currently provides just over 20,000 AFY of treated water and almost 6,000 AFY of raw water to meet service area demand. According to the UWMP, the average water use for the City's service area is

[89] City of Vallejo. 2025. City of Vallejo Municipal Code Title 12. Chapter 12.42 Stormwater Management and Discharge Control. Website: https://library.municode.com/ca/vallejo/codes/municipal_code?nodeId=TIT12BUCO_CH12.41STMADICO&showChanges=true (accessed September 23, 2025).

projected to be 28,111 AFY in 2025, 30,331 AFY in 2035, and 31,892 AFY in 2045.[90] For the purposes of adequate projections, the 2020 UWMP assumed a 1 percent growth rate, the growth rate necessary to achieve the City's project 2040 growth rate.[91] With the City's diverse water supply sources, active management of these sources and its Water Shortage Contingency Plan (WSCP), the City expects to meet its current and 2045 projected water demands under normal, single-dry and 5-consecutive-dry-year scenarios.[92]

The proposed project would increase water demand at the project site due to the construction of recreational facilities and installation of new landscaping, including trees and groundcover throughout the park. The natural turf grass areas would require typical maintenance such as fertilizer and irrigation. An automatic irrigation system would be designed to minimize water use and be adapted to weather conditions. According to the CalEEMod results, provided in Appendix A, operation of the proposed project is anticipated to demand approximately 4,039,383 gallons of water per year (gpy) (12 AFY) associated with outdoor water use. This represents a negligible portion (approximately 0.04 percent) of the average daily water demand within the entire City's service area for years 2025, 2035, and 2045.

Because the proposed project is consistent with the current land use and zoning designations for the site, development of the project would be considered consistent with the growth assumptions utilized to estimate the City's projected water demands. Thus, the project's associated increase in water demand would have been accounted for in the City's UWMP. Because the City has sufficient water supplies to meet current and future development within its service area, the potential water demand associated with the proposed project would be less than significant.

c. Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? ***(Less Than Significant Impact)***

As discussed in Section 4.19.a, proposed improvements would not require wastewater collection and treatment services. The existing restroom building would remain connected to wastewater utilities. Although implementation of the proposed project has the potential to increase visitation and use of the existing restroom facility, the increase in wastewater generated by the proposed project would be nominal. Further, the proposed project is consistent with the land use and zoning designations for the site. As such, the project is consistent with what is anticipated for buildout under the City's General Plan and would have been included in the capacity project's calculations for the wastewater treatment plant. The proposed project would result in typical wastewater discharges that would not require new methods or equipment for treatment that are not currently permitted for the Ryder Street Treatment Plant, which serves the City of Vallejo. Considering approximately 10 million gallons is treated on a daily basis,[93] the treatment plant would have

90 City of Vallejo. 2021. *2020 Urban Water Management Plan.* October 12.
91 Ibid.
92 Ibid.
93 Vallejo Flood and Wastewater District. n.d. Wastewater Treatment Website: https://www.vallejowastewater.org/193/Treatment (accessed January 16, 2026).

sufficient capacity to serve the proposed project. Therefore, this impact would be less than significant.

d. Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? ***(Less Than Significant Impact)***

Solid waste, recycling, and yard waste collection services in Vallejo, including the project site, are provided by Recology Vallejo. Solid waste from Vallejo was disposed at 18 different landfills in 2014; however, nearly 99 percent of Vallejo's solid waste in 2014 went to the Potrero Hills Landfill or the Recology Hay Landfill.[94] The Potrero Hills Landfill is located at 3675 Potrero Hills Lane in Suisun City and has a maximum permitted capacity of 83,100,000 cubic yards and a remaining capacity of 13,872,000 cubic yards as of January 2006. The landfill accepts a maximum of 4,330 tons per day and has an expected closure date of 2048.[95] The Recology Hay Landfill is located at 6426 Hay Road in Vacaville and has a maximum capacity of 37,000,000 cubic yards and a remaining capacity of 30,433,000 cubic yards as of July 2010. The landfill accepts a maximum of 2,400 tons per day and has an expected closure date of 2077. [96]

Operation of the proposed project is not anticipated to generate a significant amount of solid waste. Users of the proposed park and other recreation facilities at the project site would dispose of garbage, but not in amounts that would greatly exceed average per capita garbage generation rates. In addition, recycling receptacles would be located throughout the park, allowing the proposed project to be in full compliance with waste diversion goals mandated by the California Integrated Waste Management Act. Solid waste disposal off site would comply with all local, State, and federal requirements. Therefore, the proposed project would be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs, and this impact would be less than significant.

e. Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste? ***(Less Than Significant Impact)***

The proposed project would be required to comply with all federal, State, and local solid waste statutes and/or regulations related to solid waste, and as noted above, the Potrero Hills and Recology Hay Road landfills have adequate capacity to serve the proposed project. Therefore, the proposed project would result in a less than significant impact related to solid waste regulations.

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94 City of Vallejo. 2016. *Propel Vallejo. General Plan 2040 and Sonoma Boulevard Specific Plan Draft EIR.* Page 4.15-38. Website: https://www.cityofvallejo.net/common/pages/GetFile.ashx?key=IRISAczs (accessed September 2025).

95 California Department of Resources Recycling and Recovery (CalRecycle). 2024a. *Solid Waste Information System (SWIS), Potrero Hills Landfill (048-AA-0075).* Website: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/1194?siteID=3591 (accessed November 2025).

96 California Department of Resources Recycling and Recovery (CalRecycle). 2024b. *Solid Waste Information System (SWIS), Recology Hay Road (48-AA-0025).* Website: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/1184?siteID=3582 (accessed November 2025).

4.20 WILDFIRE

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☐
b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☐
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☐
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☐

a. Would the project substantially impair an adopted emergency response plan or emergency evacuation plan? ***(Less Than Significant Impact)***

The project site and adjacent areas are not located in a Very High Fire Hazard Severity Zone (VHFHSZ), as mapped by CAL FIRE,[97] or located within any SRAs for fire service. As previously discussed in Section 4.9, Hazards and Hazardous Materials, Section 4.9.f, the proposed project would design, construct, and maintain structures, roadways, and facilities in accordance with applicable standards associated with vehicular access, resulting in the provision of adequate vehicular access that would provide for adequate emergency access and evacuation. The proposed project would not alter or block adjacent roadways, and implementation of the proposed project would not be expected to impair the function of nearby roads that might be used for evacuation during an emergency. Primary access to the project site would be via a new driveway along Starr Avenue. In the event of an emergency on the site, visitors could exit the site via Starr Avenue, which connects to Benicia Road south of the site. Regional access to the project site is provided by the Benicia Road on- and off-ramps of I-80, approximately 1,650 feet to the south.

In addition, operation of the proposed project would not cause permanent alterations to vehicle circulation routes and patterns, nor would it impede public access or travel upon public rights-of-way. Ingress/egress to the proposed parking lot would be required to meet State and local standards regarding turning radius, road width, and emergency vehicle access. Therefore, potential

[97] California Department of Forestry and Fire Protection (CAL FIRE). 2025. Fire Hazard Severity Zones Viewer. Website: https://osfm.fire.ca.gov/what-we-do/community-wildfire-preparedness-and-mitigation/fire-hazard-severity-zones (accessed October 2025).

impacts to an adopted emergency response plan or emergency evacuation plan would be less than significant.

b. Would the project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire? ***(Less Than Significant Impact)***

The proposed project would consist of the development of a new park within an existing residential neighborhood. The proposed project is located in a relatively flat urbanized area with some vegetation along the park perimeter and scattered within the park; however, the project site is not within a wildland, nor is it close to any wildlands that may pose a fire risk. Additionally, the proposed project would not involve the construction of any structures. Therefore, the proposed project would not exacerbate wildfire risks, and this impact would be less than significant.

The proposed project would not include any design features that would increase the potential for a wildfire. The proposed project would not exacerbate wildfire risks and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire.

As described in Section 4.9.g, the project site is located in an LRA but not located within a VHFHSZ.[98] Further, the City's General Plan does not identify the project site as a wildfire risk area.[99] The proposed project would consist of the development of a new park within an existing residential neighborhood. The proposed project is located in a relatively flat urbanized area with some vegetation along the park perimeter and scattered within the park; however, the project site is not within a wildland, nor is it close to any wildlands that may pose a fire risk. The prevailing wind is primarily from the northwest, with nocturnal winds and land breezes during colder months of the year. Winds may push wildfire smoke into the area of the proposed project; however, these conditions would be temporary and, if conditions were warranted, the local air quality control district would warn residents of potential impacts due to wildfire smoke.

Construction of the proposed project would involve the use of some flammable materials (e.g., gasoline, diesel fuel, hydraulic oils, paints, and solvents) or other wastes. During construction, there would be increased human activity and ignition sources, including equipment that could create sparks, be a source of heat, or leak flammable materials on the project site. However, all construction equipment is required to have fire suppression equipment (e.g., a fire extinguisher) on board or at the work site, secondary containment would be required for fuel-powered equipment, and a spill kit would be required to be kept on site during construction for use in case of any leaks or spills of flammable materials. These existing requirements would reduce the potential exacerbation of wildfire risks related to construction activities.

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98 California Department of Forestry and Fire Protection (CAL FIRE). 2025. Fire Hazard Severity Zones Viewer. Website: https://osfm.fire.ca.gov/what-we-do/community-wildfire-preparedness-and-mitigation/fire-hazard-severity-zones (accessed October 2025).

99 City of Vallejo. 2016. *Propel Vallejo. General Plan 2040 and Sonoma Boulevard Specific Plan Draft EIR.* Map NBE-4, Wildfire Risk Areas. Website: https://www.cityofvallejo.net/common/pages/GetFile.ashx?key=IRISAczs (accessed November 2025).

Operation of the proposed project would be consistent with the existing use and allowable zoning for the project site. The proposed project is required to be designed in compliance with all applicable State and local standards and recommendations for new development. The project would be required to comply with the California Fire Code applicable at the time of building permit application. The current California Fire Code calls for the installation, maintenance, and ongoing inspection of fire protection systems under the direction of the local Fire Chief. In addition, the California Fire Code authorizes the Fire Chief to specify water supply and road design standards.

The proposed project would also be subject to requirements in Section 13000 et seq. of the California Health and Safety Code, the CBC, and California Fire Code, which include regulations concerning the following: building standards for fire protection; fire protection and notification systems (e.g., extinguishers and smoke alarms); safety for firefighters and emergency responders during emergency operations; minimum standards for hazardous vegetation and fuel management, defensible space, and building construction; and minimum standards for emergency access and water supply for fire response.

Compliance with these existing regulatory requirements would ensure that the proposed project would not exacerbate wildfire risks and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire. Impacts would be less than significant.

c. Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? ***(Less Than Significant Impact)***

Refer to Sections 4.20.a and 4.20.b. The project site is located in a developed area surrounded by development on all sides. Construction and operation of the proposed project would not require the installation or operation/maintenance of infrastructure within undeveloped areas that may exacerbate wildfire risks. Therefore, this impact would be less than significant.

d. Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes? ***(Less Than Significant Impact)***

Refer to Sections 4.20.a and 4.20.b. The project site is relatively flat and is not located within an SRA for fire service or a VHFHSZ. The proposed project would not expose people or structures to significant risks associated with downslope or downstream flooding or landslides as a result of increased fire hazards or post-fire conditions. This impact would be less than significant.

4.21 MANDATORY FINDINGS OF SIGNIFICANCE

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☒	☐	☐
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☐	☒

a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Implementation of the mitigation measures recommended in this IS/MND would ensure that the construction and operation of the proposed project would not substantially degrade the quality of the environment; reduce the habitat, population, or range of a plant or animal species; or eliminate important examples of California history or prehistory. As discussed in Section 4.4, Biological Resources, the project site is entirely within the built environment of the city of Vallejo and contains no sensitive or native habitat. However, the trees and structures on the project site have the potential to support nesting birds and roosting bats. In addition, Crotch's bumble bee and western bumble bee have the potential to occur within the project site due to the presence of potentially suitable foraging habitat adjacent to the project site. With implementation of Mitigation Measures BIO-1 through BIO-4, potential impacts to special-status species (flora and fauna) would be reduced to less than significant levels.

As discussed in Section 4.5, Cultural Resources, the proposed project is not expected to result in any significant impacts to any examples of the major periods of California history or prehistory. No historic cultural or archaeological resources as defined by CEQA were identified in the study area. However, implementation of the project has the potential to impact subsurface cultural resources dating to either the historic period or the precontact period. With implementation of Mitigation Measure CUL-1, which requires worker awareness training and measures to be implemented if resources are found, potential impacts to cultural resources would be reduced to less than

significant levels. Furthermore, as discussed in Section 4.18, Tribal Cultural Resources, during tribal consultation, tribal representatives requested that cultural sensitivity training be conducted for all construction personnel on site during ground disturbance, that all ground-disturbing activities be monitored by a tribal representative, and identified specific protocols for treatment of inadvertent discoveries of tribal cultural resources and human remains. As such, Mitigation Measures TCR-1 through TCR-4 are prescribed to reduce impacts to previously unknown tribal cultural resources that may be located within the project site to less than significant levels. Additionally, GVRD is required to comply with CCR Section 15064.5(e), California Health and Safety Code Section 7050.5, and PRC Section 5097.98 as a matter of policy in the event human remains are encountered at any time. Adherence to Mitigation Measures CUL-1a and CUL-1b, and TCR-1 through TCR-4, as well as regulations governing human remains, would reduce potential impacts to cultural resources to less than significant.

In addition, although no paleontological resources or unique geological features are known to exist within or near the project site, the proposed project would require ground disturbance below ground surface. Therefore, the possibility of accidental discovery of paleontological resources during project construction cannot be discounted. Implementation of Mitigation Measure GEO-1, which details processes to follow should paleontological resources be encountered during project subsurface construction activities, would reduce potential impacts to paleontological resources to a less than significant level.

With implementation of these mitigation measures, the proposed project would result in less than significant impacts to the quality of the environment. No additional mitigation is required.

b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? ***(Less Than Significant with Mitigation Incorporated)***

The *State CEQA Guidelines* require a discussion of significant environmental impacts that would result from project-related actions in combination with "closely related past, present, and probably future projects: located in the immediate vicinity" (*State CEQA Guidelines* Section 15130[b][1][A]). Cumulative environmental impacts are those impacts that by themselves are not significant, but when considered with impacts occurring from other projects in the vicinity, would result in a cumulative impact. Related projects considered to have the potential of creating cumulative impacts in association with the proposed project consist of projects that are reasonably foreseeable and that would be constructed or operated during the life of the proposed project. The proposed project would be located in a highly developed urban area that is largely built out. No other construction projects are anticipated in the immediate area of the project within this time frame.

As described in this IS/MND, the potentially significant impacts that can be reduced to a less than significant level with implementation of recommended mitigation measures include the topics of air quality, biological resources, cultural resources, geology and soils, noise, and tribal cultural resources. These impacts would primarily be related to construction-period activities, would be temporary in nature, and would not substantially contribute to any potential cumulative impacts

associated with these topics. For the topic of air quality, potentially significant impacts to air quality standards associated with project construction would be reduced to less than significant levels with implementation of Mitigation Measures AIR-1 and AIR-2. For the topic of biological resources, implementation of Mitigation Measures BIO-1 through BIO-4 would ensure that impacts to special-status species are reduced to a less than significant level. For the topic of cultural resources, potentially significant impacts to archaeological and cultural resources would be reduced to less than significant levels with implementation of Mitigation Measure CUL-1. For the topic of geology and soils, implementation of Mitigation Measure GEO-1 would ensure that impacts related to paleontological resources are reduced to less than significant levels. For the topic of noise, implementation of Mitigation Measure NOI-1 would ensure that impacts related to operational noise would be reduced to less than significant levels. For the topic of tribal cultural resources, Mitigation Measures TCR-1 through TCR-4 are prescribed to reduce impacts to previously unknown tribal cultural resources that may be located within the project site to less than significant levels.

For the topics of aesthetics, agricultural and forestry resources, energy, hydrology and water quality, land use and planning, mineral resources, population and housing, public services, recreation, utilities and service systems, and wildfire, the project would have no impacts or less than significant impacts and, therefore, would not substantially contribute to any potential cumulative impacts for these topics. All environmental impacts that could occur as a result of the proposed project would be reduced to a less than significant level through the implementation of the mitigation measures recommended in this document.

Implementation of these measures would ensure that the impacts of the project would be below established thresholds of significance and that these impacts would not combine with the impacts of other cumulative projects to result in a cumulatively considerable impact on the environment as a result of project development. Therefore, this impact would be less than significant with mitigation incorporated.

c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? ***(No Impact)***

The proposed project would not result in any environmental effects that would cause substantial direct or indirect adverse effects to human beings beyond those topics previously discussed in Sections 4.1 through 4.21 of this IS/MND.

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APPENDIX A

CALEEMOD RESULTS

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Franklin Recreation Center Custom Report

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3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

3.3. Grading (2026) - Unmitigated

3.5. Grading (2027) - Unmitigated

3.7. Paving (2027) - Unmitigated

3.9. Architectural Coating (2027) - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

8. User Changes to Default Data

8.1. Justifications

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Franklin Recreation Center
Construction Start Date	9/7/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.6
Precipitation (days)	35
Location	38.09781524343563, -122.23468625678605
County	Solano-San Francisco
City	Vallejo
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	869
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.35

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
City Park	14	Acre	14	0.00	148,650	148,650	—	turf area and landscape area

Other Asphalt Surfaces	27	1000sqft	0.62	0.00	0.00	—	—	Pickleball/basketbal courts, play area, and concession area
Parking Lot	42	Space	0.38	0.00	0.00	—	—	parking lot

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.4	49	36	0.06	1.4	7.8	8.9	1.2	4.0	5.0	—	7,127	7,127	0.29	0.12	7,170
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.4	49	36	0.06	1.4	7.8	8.9	1.2	4.0	5.0	—	7,126	7,126	0.29	0.12	7,168
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.33	9.9	7.3	0.01	0.29	1.5	1.8	0.26	0.75	0.99	—	1,400	1,400	0.06	0.02	1,408
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.06	1.8	1.3	< 0.005	0.05	0.28	0.33	0.05	0.14	0.18	—	232	232	0.01	< 0.005	233

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.1	40	29	0.05	1.1	7.8	8.9	1.0	4.0	5.0	—	5,452	5,452	0.22	0.05	5,472
2027	1.4	49	36	0.06	1.4	3.9	5.2	1.2	1.5	2.7	—	7,127	7,127	0.29	0.12	7,170
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.4	49	36	0.06	1.4	7.8	8.9	1.2	4.0	5.0	—	7,126	7,126	0.29	0.12	7,168
2027	1.4	49	36	0.06	1.4	3.9	5.2	1.2	1.5	2.7	—	7,114	7,114	0.29	0.12	7,156
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.27	9.7	7.0	0.01	0.27	1.5	1.8	0.24	0.75	0.99	—	1,341	1,341	0.05	0.02	1,347
2027	0.33	9.9	7.3	0.01	0.29	0.70	0.99	0.26	0.27	0.53	—	1,400	1,400	0.06	0.02	1,408
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.05	1.8	1.3	< 0.005	0.05	0.28	0.33	0.04	0.14	0.18	—	222	222	0.01	< 0.005	223
2027	0.06	1.8	1.3	< 0.005	0.05	0.13	0.18	0.05	0.05	0.10	—	232	232	0.01	< 0.005	233

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.64	0.36	3.2	0.01	0.01	0.65	0.66	0.01	0.17	0.17	0.63	784	785	0.10	0.04	801
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.61	0.42	3.3	0.01	0.01	0.65	0.66	0.01	0.17	0.17	0.63	741	741	0.11	0.04	756

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.61	0.40	3.1	0.01	0.01	0.64	0.65	0.01	0.16	0.17	0.63	747	748	0.11	0.04	763
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.11	0.07	0.56	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	0.11	124	124	0.02	0.01	126

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.55	0.36	3.2	0.01	0.01	0.65	0.66	0.01	0.17	0.17	—	765	765	0.04	0.04	780
Area	0.09	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	8.1	8.1	< 0.005	< 0.005	8.1
Water	—	—	—	—	—	—	—	—	—	—	0.00	11	11	< 0.005	< 0.005	11
Waste	—	—	—	—	—	—	—	—	—	—	0.63	0.00	0.63	0.06	0.00	2.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	0.64	0.36	3.2	0.01	0.01	0.65	0.66	0.01	0.17	0.17	0.63	784	785	0.10	0.04	801
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.52	0.42	3.3	0.01	0.01	0.65	0.66	0.01	0.17	0.17	—	722	722	0.05	0.04	735
Area	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	8.1	8.1	< 0.005	< 0.005	8.1
Water	—	—	—	—	—	—	—	—	—	—	0.00	11	11	< 0.005	< 0.005	11
Waste	—	—	—	—	—	—	—	—	—	—	0.63	0.00	0.63	0.06	0.00	2.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	0.61	0.42	3.3	0.01	0.01	0.65	0.66	0.01	0.17	0.17	0.63	741	741	0.11	0.04	756

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.52	0.40	3.1	0.01	0.01	0.64	0.65	0.01	0.16	0.17	—	728	728	0.04	0.04	741
Area	0.09	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	8.1	8.1	< 0.005	< 0.005	8.1
Water	—	—	—	—	—	—	—	—	—	—	0.00	11	11	< 0.005	< 0.005	11
Waste	—	—	—	—	—	—	—	—	—	—	0.63	0.00	0.63	0.06	0.00	2.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	0.61	0.40	3.1	0.01	0.01	0.64	0.65	0.01	0.16	0.17	0.63	747	748	0.11	0.04	763
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.09	0.07	0.56	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	—	121	121	0.01	0.01	123
Area	0.02	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1.3	1.3	< 0.005	< 0.005	1.3
Water	—	—	—	—	—	—	—	—	—	—	0.00	1.8	1.8	< 0.005	< 0.005	1.9
Waste	—	—	—	—	—	—	—	—	—	—	0.11	0.00	0.11	0.01	0.00	0.37
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	0.11	0.07	0.56	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	0.11	124	124	0.02	0.01	126

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.1	40	28	0.05	1.1	—	1.1	1.0	—	1.0	—	5,298	5,298	0.21	0.04	5,316

Dust From Material Movement	—	—	—	—	—	7.7	7.7	—	3.9	3.9	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.1	40	28	0.05	1.1	—	1.1	1.0	—	1.0	—	5,298	5,298	0.21	0.04	5,316
Dust From Material Movement	—	—	—	—	—	7.7	7.7	—	3.9	3.9	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	6.6	4.7	0.01	0.18	—	0.18	0.17	—	0.17	—	871	871	0.04	0.01	874
Dust From Material Movement	—	—	—	—	—	1.3	1.3	—	0.65	0.65	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	1.2	0.85	< 0.005	0.03	—	0.03	0.03	—	0.03	—	144	144	0.01	< 0.005	145
Dust From Material Movement	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.66	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	154	154	< 0.005	0.01	156
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.59	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	142	142	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24	24	< 0.005	< 0.005	24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.9	3.9	< 0.005	< 0.005	4.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.3	49	35	0.06	1.4	—	1.4	1.2	—	1.2	—	6,599	6,599	0.27	0.05	6,621
Dust From Material Movement	—	—	—	—	—	3.6	3.6	—	1.4	1.4	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	3.1	2.2	< 0.005	0.09	—	0.09	0.08	—	0.08	—	413	413	0.02	< 0.005	415
Dust From Material Movement	—	—	—	—	—	0.22	0.22	—	0.09	0.09	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.56	0.40	< 0.005	0.02	—	0.02	0.01	—	0.01	—	68	68	< 0.005	< 0.005	69
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.68	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	162	162	< 0.005	0.01	165
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.47	0.16	< 0.005	0.01	0.10	0.10	0.01	0.03	0.03	—	365	365	0.01	0.06	382
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10	10	< 0.005	< 0.005	10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23	23	< 0.005	< 0.005	24
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.7	1.7	< 0.005	< 0.005	1.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.8	3.8	< 0.005	< 0.005	4.0

3.5. Grading (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.3	49	35	0.06	1.4	—	1.4	1.2	—	1.2	—	6,598	6,598	0.27	0.05	6,621
Dust From Material Movement	—	—	—	—	—	3.6	3.6	—	1.4	1.4	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.3	49	35	0.06	1.4	—	1.4	1.2	—	1.2	—	6,598	6,598	0.27	0.05	6,621
Dust From Material Movement	—	—	—	—	—	3.6	3.6	—	1.4	1.4	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	8.8	6.4	0.01	0.24	—	0.24	0.22	—	0.22	—	1,188	1,188	0.05	0.01	1,192
Dust From Material Movement	—	—	—	—	—	0.65	0.65	—	0.26	0.26	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.6	1.2	< 0.005	0.04	—	0.04	0.04	—	0.04	—	197	197	0.01	< 0.005	197
Dust From Material Movement	—	—	—	—	—	0.12	0.12	—	0.05	0.05	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.70	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	172	172	< 0.005	0.01	175
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.43	0.15	< 0.005	0.01	0.10	0.10	< 0.005	0.03	0.03	—	357	357	0.01	0.06	375

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.63	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	159	159	< 0.005	0.01	161
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.46	0.15	< 0.005	0.01	0.10	0.10	< 0.005	0.03	0.03	—	357	357	0.01	0.06	374
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29	29	< 0.005	< 0.005	29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	64	64	< 0.005	0.01	67
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.8	4.8	< 0.005	< 0.005	4.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	11

3.7. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	13	11	0.01	0.58	—	0.58	0.54	—	0.54	—	1,511	1,511	0.06	0.01	1,516
Paving	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.91	0.73	< 0.005	0.04	—	0.04	0.04	—	0.04	—	104	104	< 0.005	< 0.005	104
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.17	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	17	17	< 0.005	< 0.005	17
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.53	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	129	129	< 0.005	< 0.005	131
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.3	8.3	< 0.005	< 0.005	8.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.4	1.4	< 0.005	< 0.005	1.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.1	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectural Coatings	0.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.3	7.3	< 0.005	< 0.005	7.3
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.2	1.2	< 0.005	< 0.005	1.2
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	0.55	0.36	3.2	0.01	0.01	0.65	0.66	0.01	0.17	0.17	—	765	765	0.04	0.04	780

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.55	0.36	3.2	0.01	0.01	0.65	0.66	0.01	0.17	0.17	—	765	765	0.04	0.04	780
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	0.52	0.42	3.3	0.01	0.01	0.65	0.66	0.01	0.17	0.17	—	722	722	0.05	0.04	735
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.52	0.42	3.3	0.01	0.01	0.65	0.66	0.01	0.17	0.17	—	722	722	0.05	0.04	735
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	0.09	0.07	0.56	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	—	121	121	0.01	0.01	123
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.09	0.07	0.56	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	—	121	121	0.01	0.01	123

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	8.1	8.1	< 0.005	< 0.005	8.1
Total	—	—	—	—	—	—	—	—	—	—	—	8.1	8.1	< 0.005	< 0.005	8.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	8.1	8.1	< 0.005	< 0.005	8.1
Total	—	—	—	—	—	—	—	—	—	—	—	8.1	8.1	< 0.005	< 0.005	8.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1.3	1.3	< 0.005	< 0.005	1.3
Total	—	—	—	—	—	—	—	—	—	—	—	1.3	1.3	< 0.005	< 0.005	1.3

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consume Products	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.09	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.02	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	0.00	11	11	< 0.005	< 0.005	11
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	11	11	< 0.005	< 0.005	11
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	0.00	11	11	< 0.005	< 0.005	11
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	11	11	< 0.005	< 0.005	11
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	0.00	1.8	1.8	< 0.005	< 0.005	1.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.00	1.8	1.8	< 0.005	< 0.005	1.9

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	0.63	0.00	0.63	0.06	0.00	2.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.63	0.00	0.63	0.06	0.00	2.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	0.63	0.00	0.63	0.06	0.00	2.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.63	0.00	0.63	0.06	0.00	2.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	0.11	0.00	0.11	0.01	0.00	0.37
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.11	0.00	0.11	0.01	0.00	0.37

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	9/7/2026	11/27/2026	5.0	60	—
Grading	Grading	11/30/2026	4/2/2027	5.0	90	—
Paving	Paving	4/5/2027	5/7/2027	5.0	25	—
Architectural Coating	Architectural Coating	5/10/2027	6/4/2027	5.0	20	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.0	8.0	367	0.40

Site Preparation	Tractors/Loaders/Back	Diesel	Tier 2	4.0	8.0	84	0.37
Grading	Graders	Diesel	Tier 2	1.00	8.0	148	0.41
Grading	Excavators	Diesel	Tier 2	2.0	8.0	36	0.38
Grading	Tractors/Loaders/Back hoes	Diesel	Tier 2	2.0	8.0	84	0.37
Grading	Scrapers	Diesel	Tier 2	2.0	8.0	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.00	8.0	367	0.40
Paving	Pavers	Diesel	Tier 2	2.0	8.0	81	0.42
Paving	Paving Equipment	Diesel	Tier 2	2.0	8.0	89	0.36
Paving	Rollers	Diesel	Tier 2	2.0	8.0	36	0.38
Architectural Coating	Air Compressors	Diesel	Tier 2	1.00	6.0	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	18	12	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.4	HHDT,MHDT
Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	20	12	LDA,LDT1,LDT2
Grading	Vendor	—	8.4	HHDT,MHDT
Grading	Hauling	5.3	20	HHDT
Grading	Onsite truck	—	—	HHDT
Paving	Worker	15	12	LDA,LDT1,LDT2
Paving	Vendor	—	8.4	HHDT,MHDT
Paving	Hauling	0.00	20	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	0.00	12	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	8.4	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	0.00	0.00	2,610

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	90	0.00	0.00
Grading	0.00	3,800	270	0.00	0.00
Paving	0.00	0.00	0.00	0.00	1.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	City Park	0.00	0%
Paving	Other Asphalt Surfaces	0.62	100%
Paving	Parking Lot	0.38	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
City Park	145	145	145	52,905	930	930	930	339,377
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
City Park	Wood Fireplaces	0	0
City Park	Gas Fireplaces	0	0

City Park	Propane Fireplaces	0	0
City Park	Electric Fireplaces	0	0
City Park	No Fireplaces	0	0
City Park	Conventional Wood Stoves	0	0
City Park	Catalytic Wood Stoves	0	0
City Park	Non-Catalytic Wood Stoves	0	0
City Park	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

—	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
undefined	0.00	0.00	0.00	0.00	2,610

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
City Park	0.00	204	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00
Parking Lot	14,424	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
City Park	0.00	4,039,383
Other Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
City Park	1.2	0.00
Other Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.0	4.0	18
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	No demolition or building construction is anticipated as part of the project. Construction would start in Fall 2026, 8-12 months, end in June 2027
Construction: Off-Road Equipment	Default tier 2 equipment
Operations: Vehicle Data	Project would generate a total of 145 ADT Trip gen 145/13.7 = 10.58

APPENDIX B

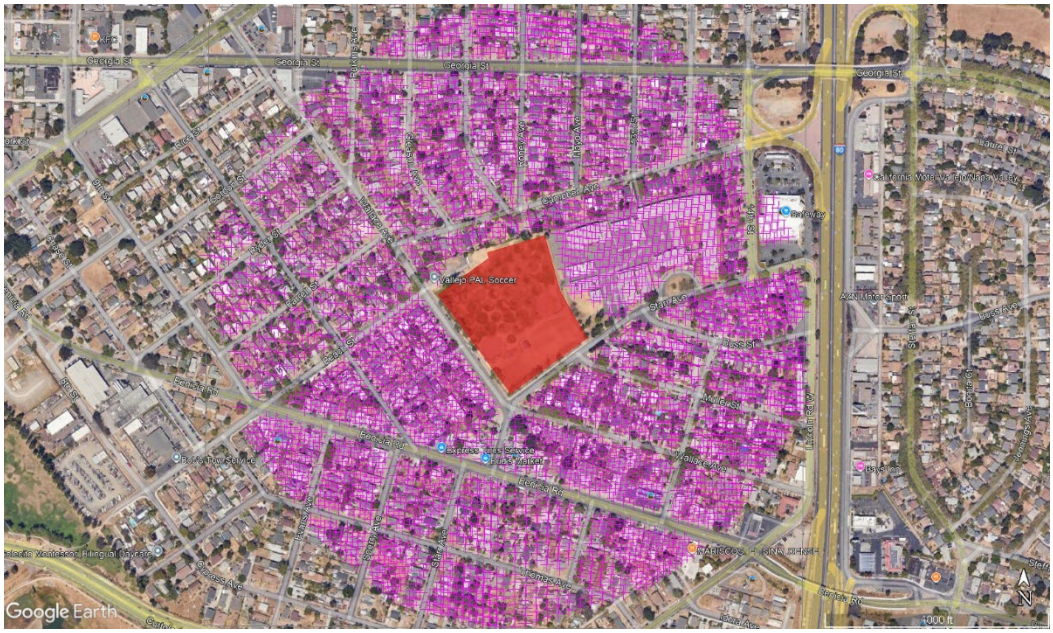
HRA MODEL SNAPSHOTS

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Project Location

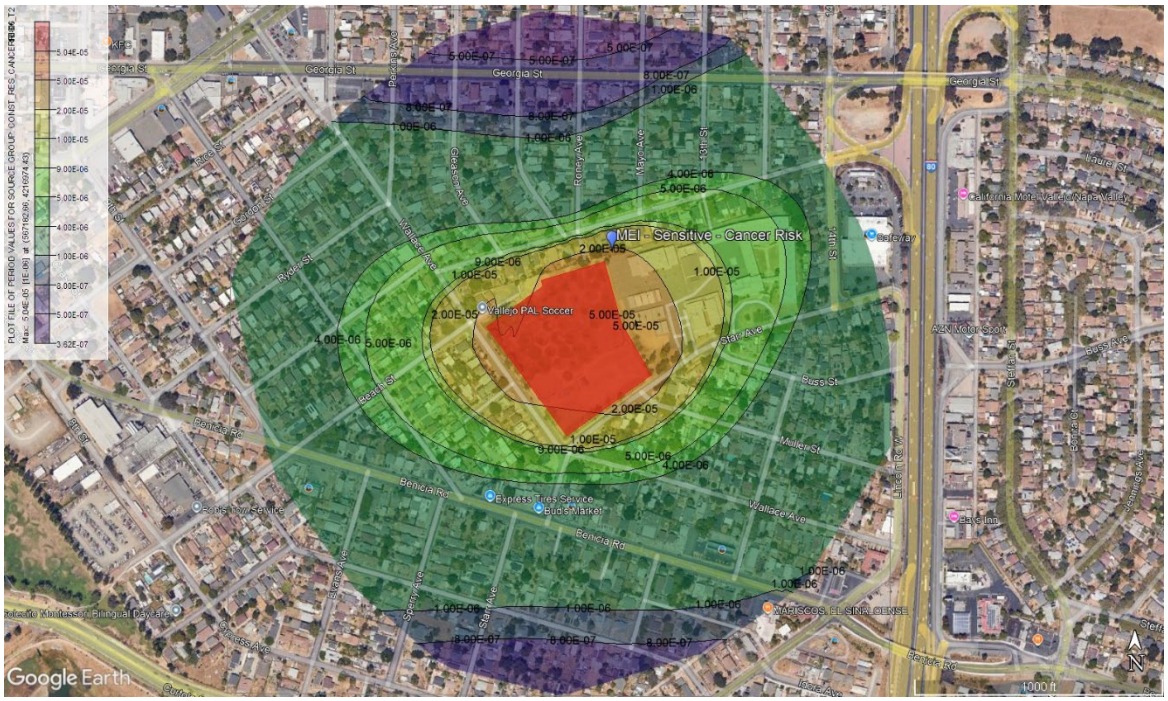


Sensitive Receptor Grid

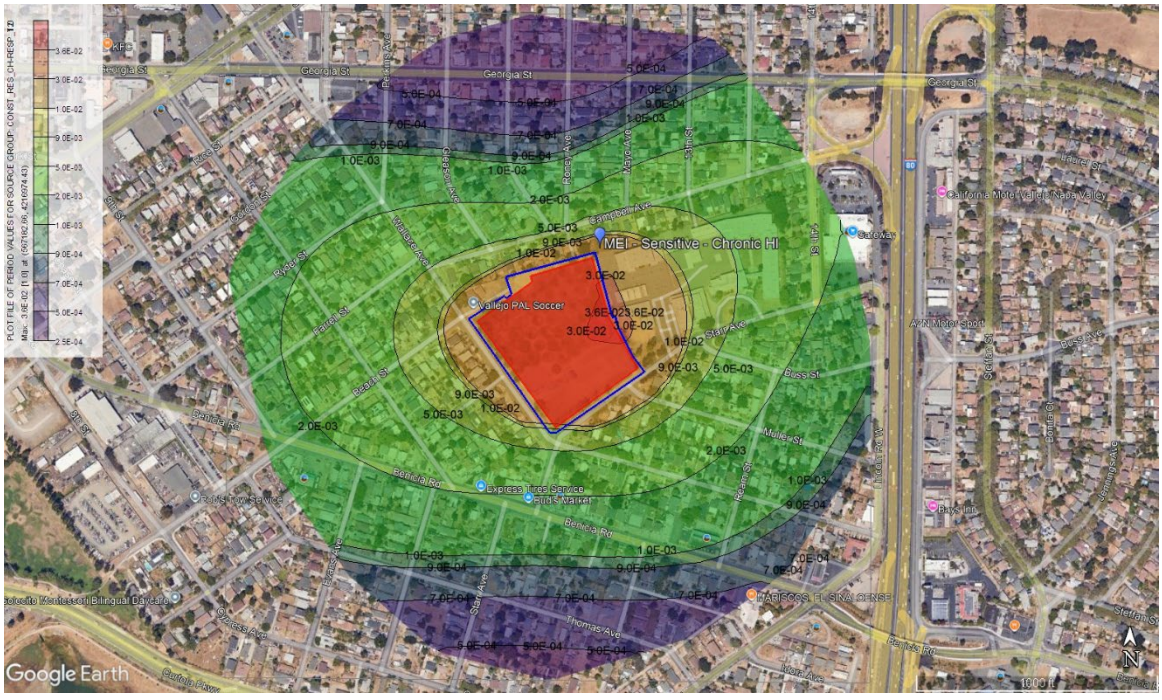


Tier 2 Unmitigated Construction Health Risk

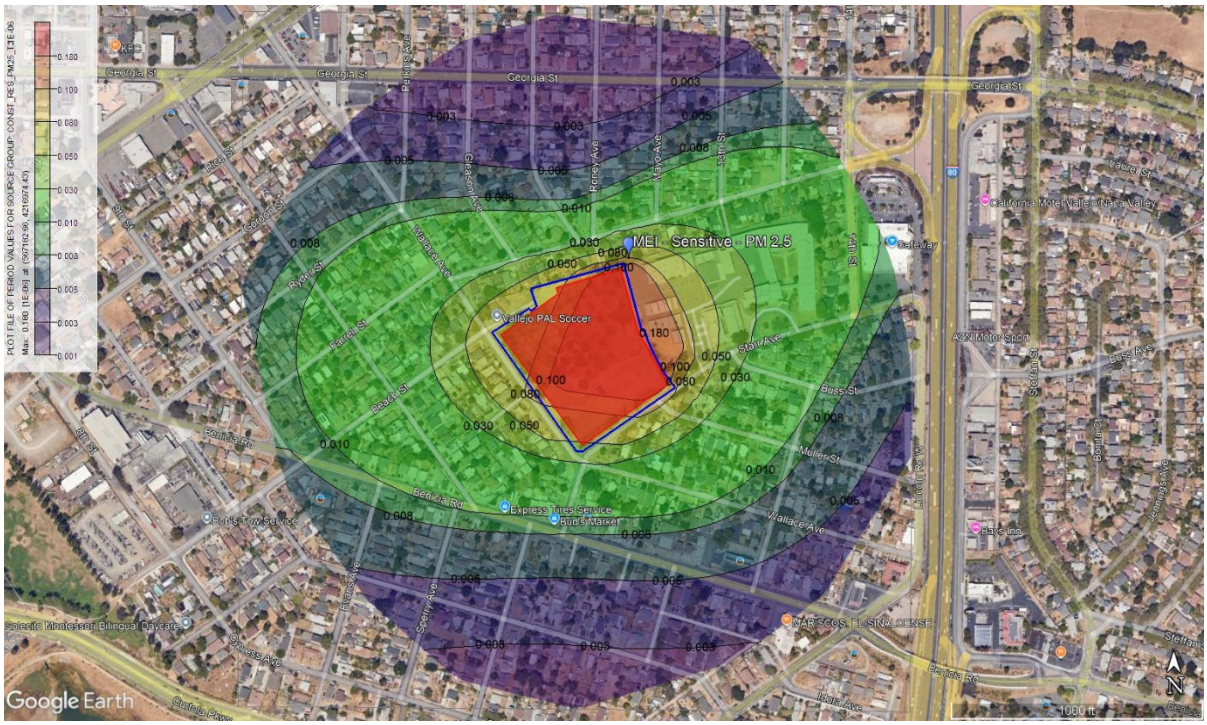
Construction Cancer Health Risk – Sensitive Receptor



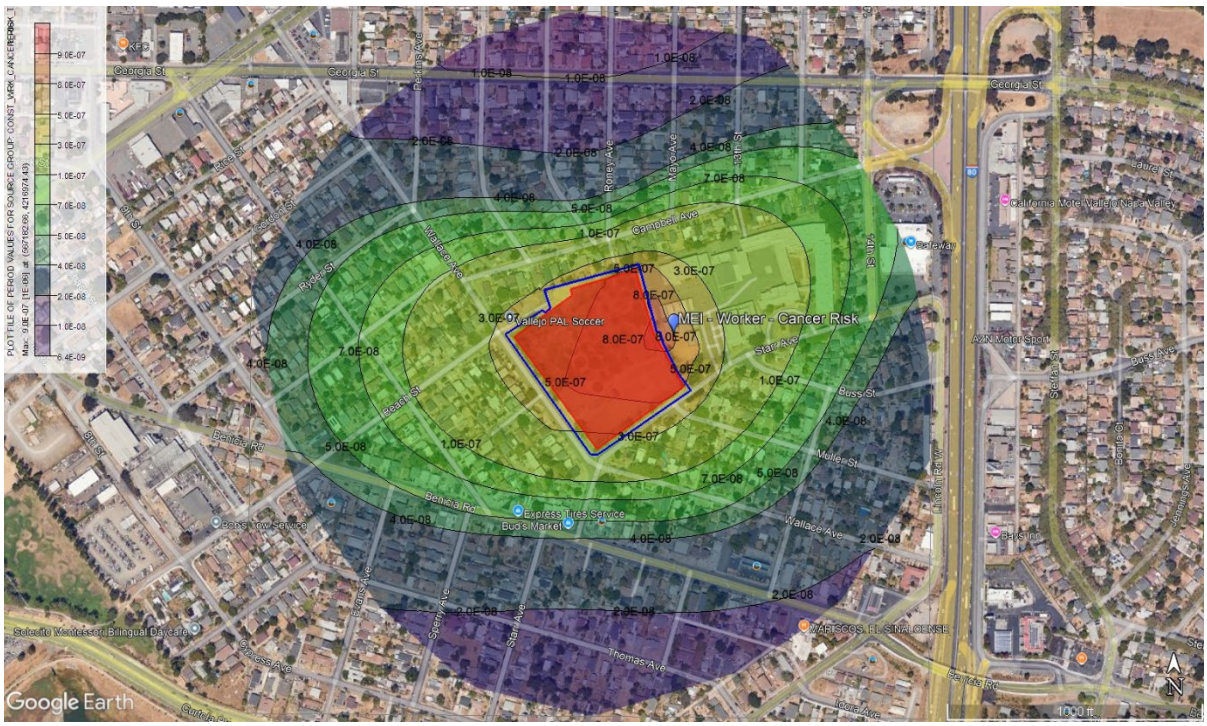
Construction Chronic Health Index – Sensitive Receptor



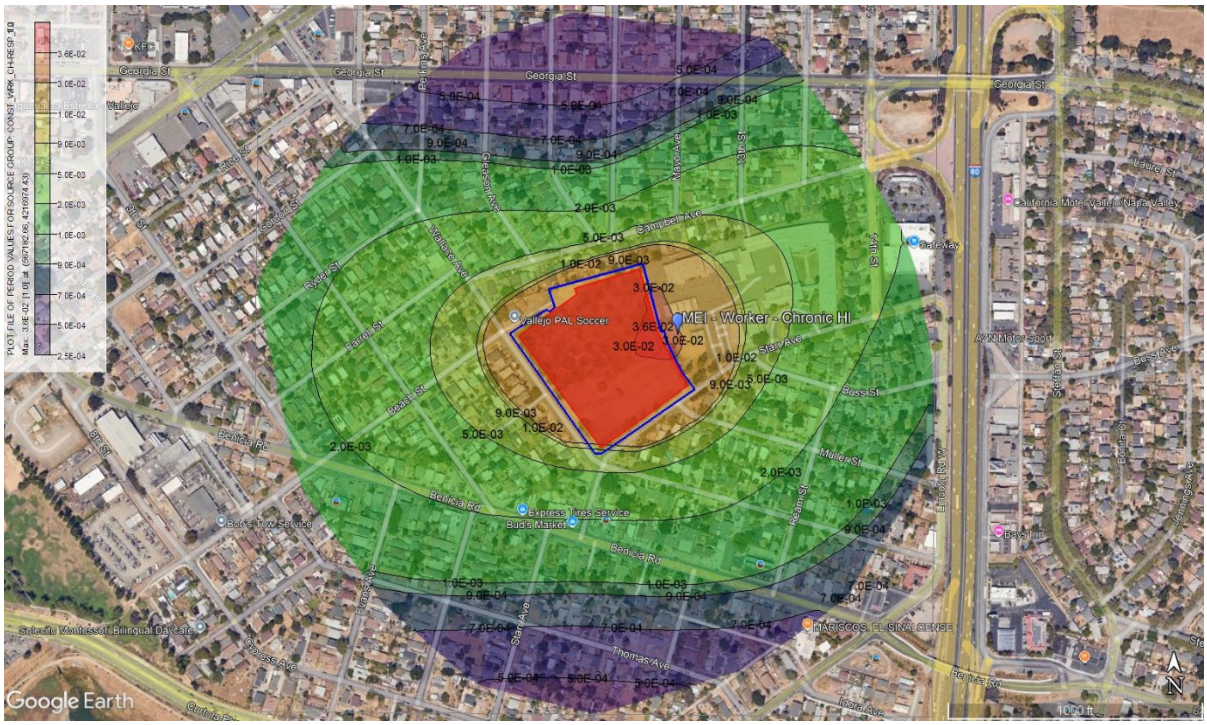
Construction $PM_{2.5}$ Levels – Sensitive Receptor



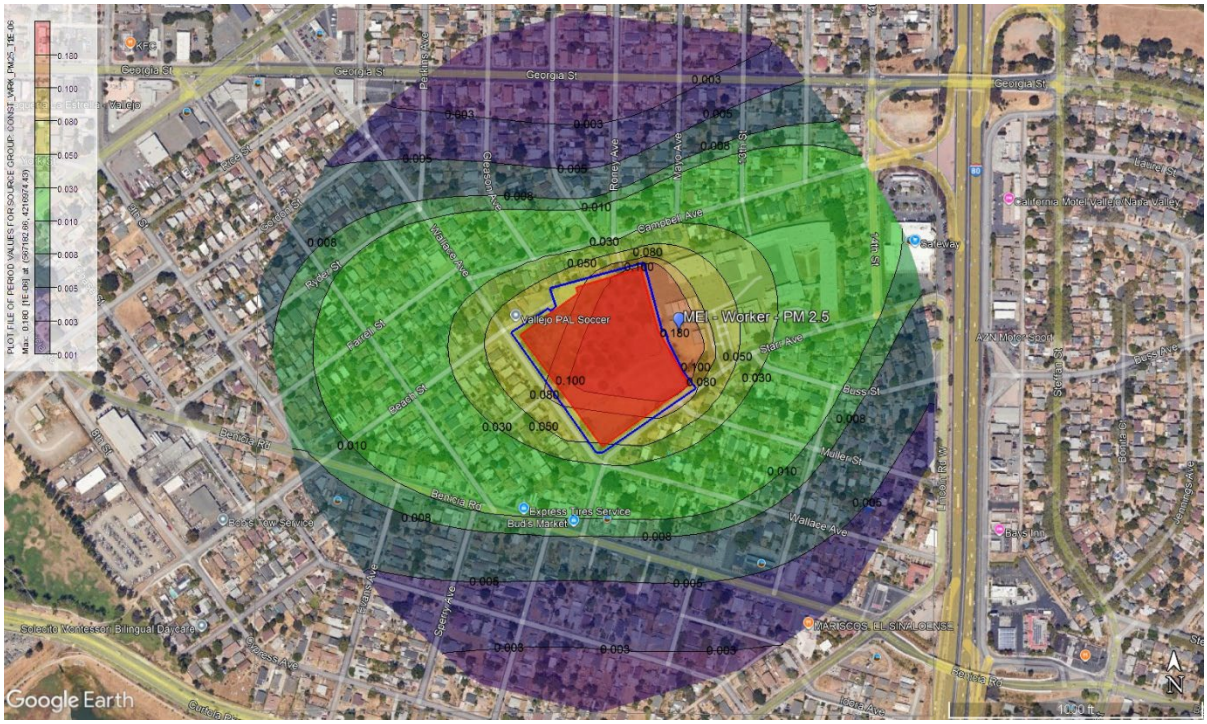
Construction Cancer Health Risk – Worker Receptor



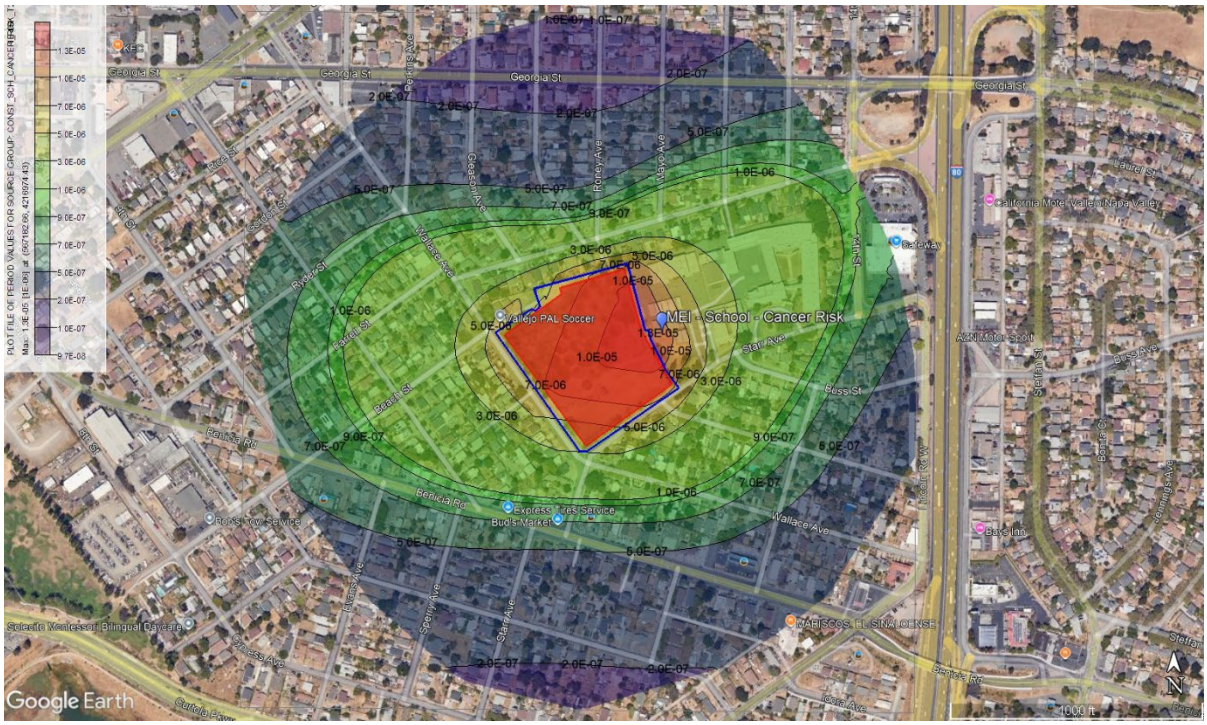
Construction Chronic Health Index – Worker Receptor



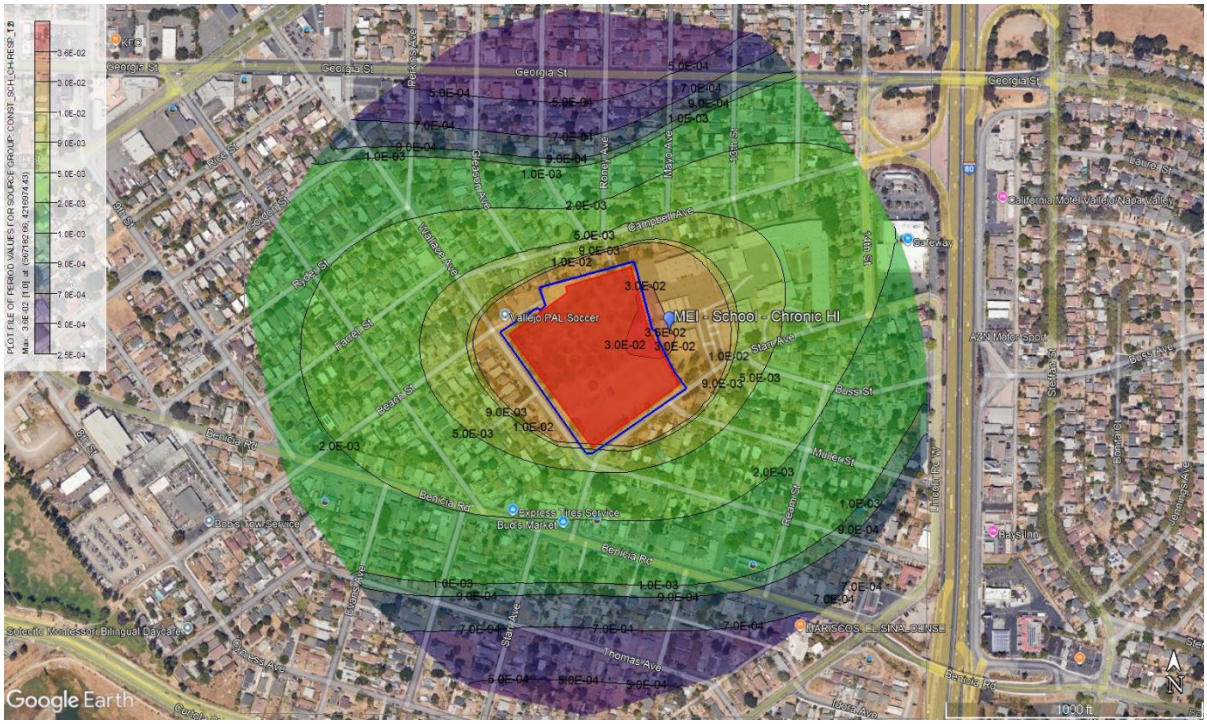
Construction $PM_{2.5}$ Levels – Worker Receptor



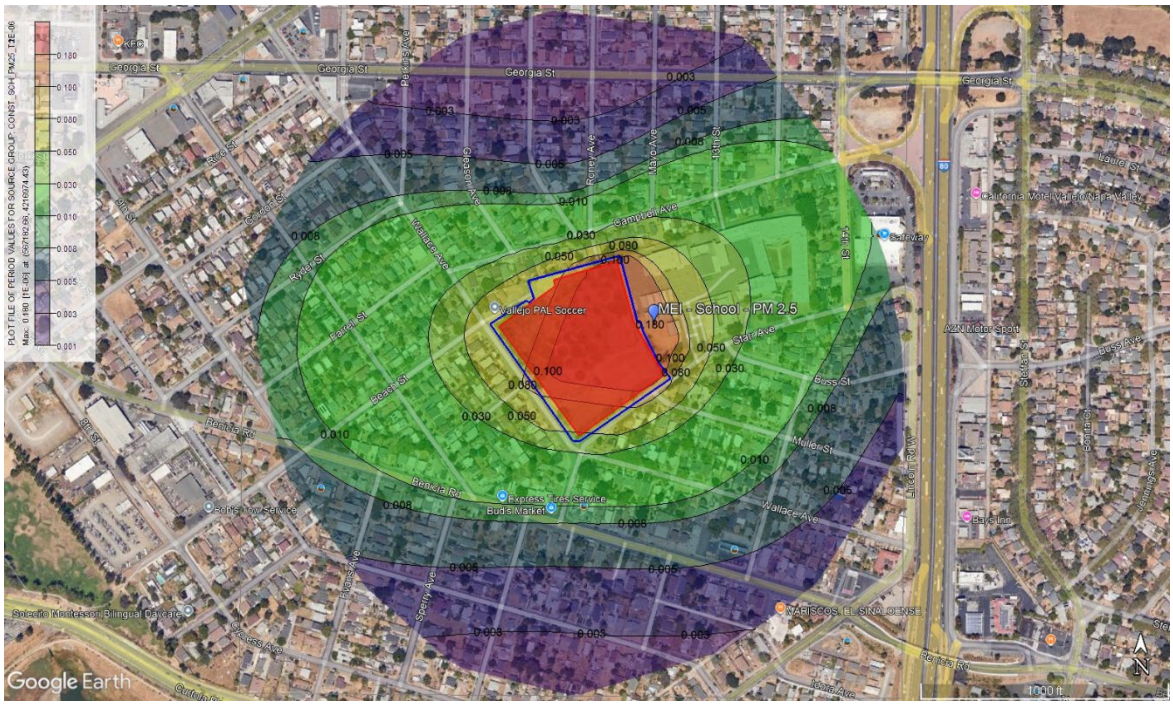
Construction Cancer Health Risk – School Receptor



Construction Chronic Health Index – School Receptor

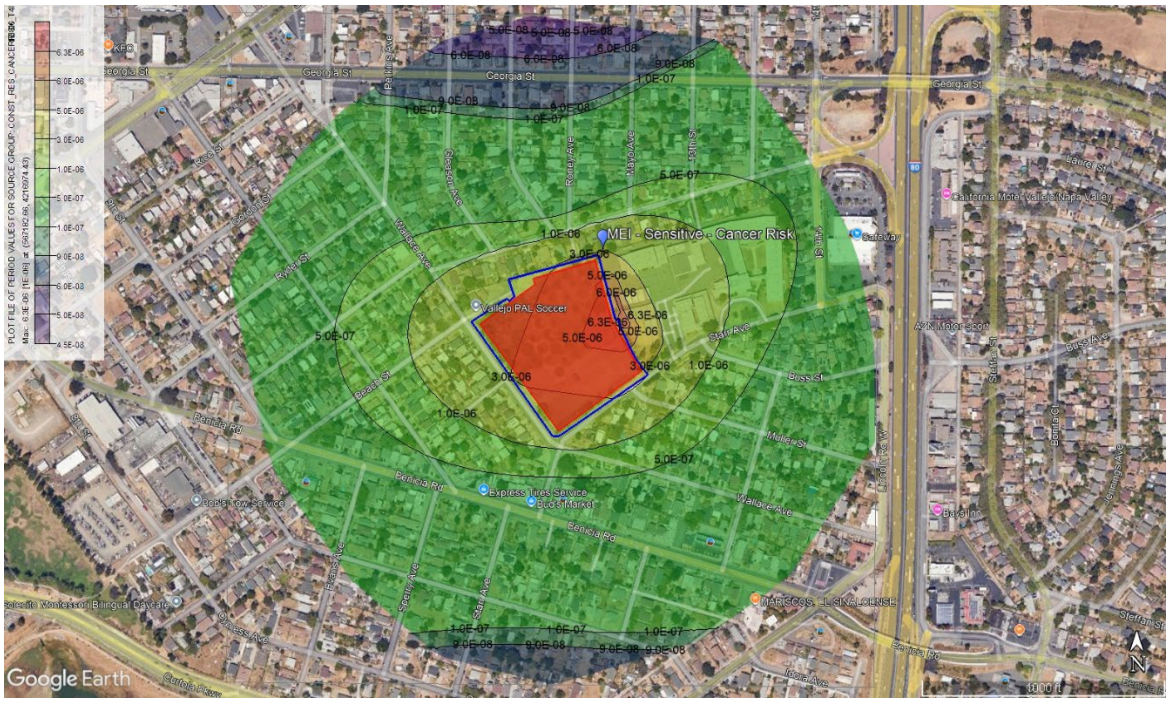


Construction $PM_{2.5}$ Levels – School Receptor

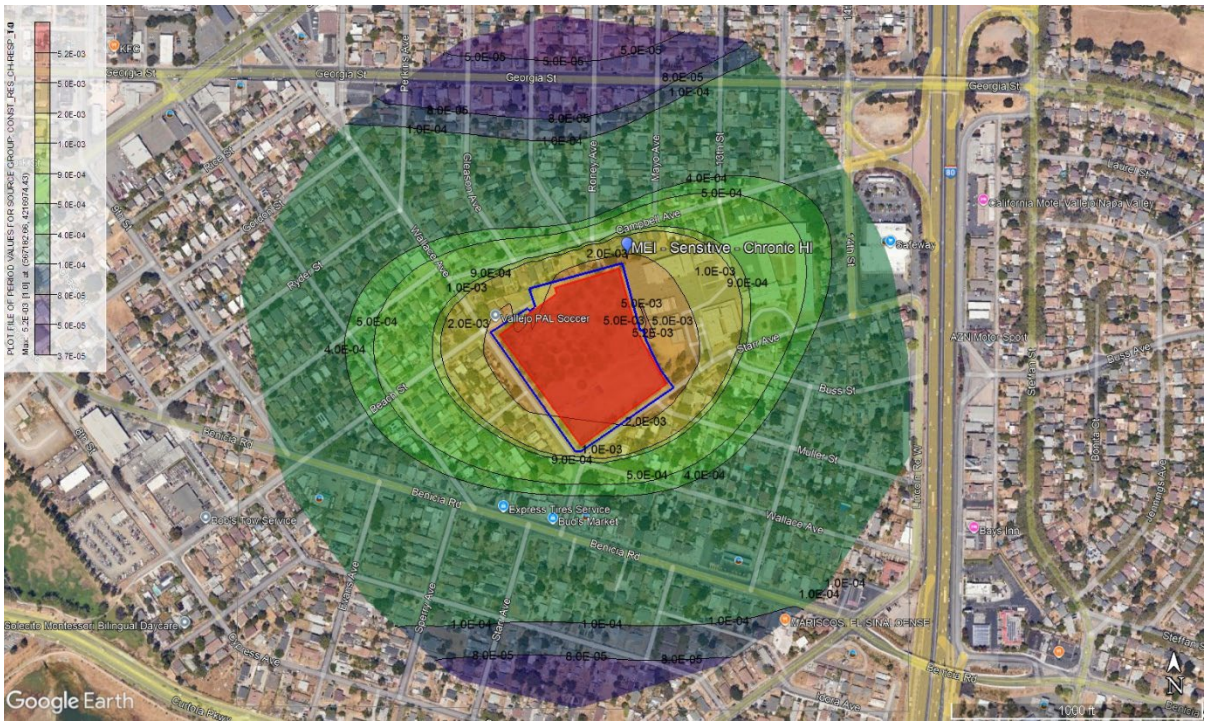


Tier 4 Interim Mitigated Construction Health Risk

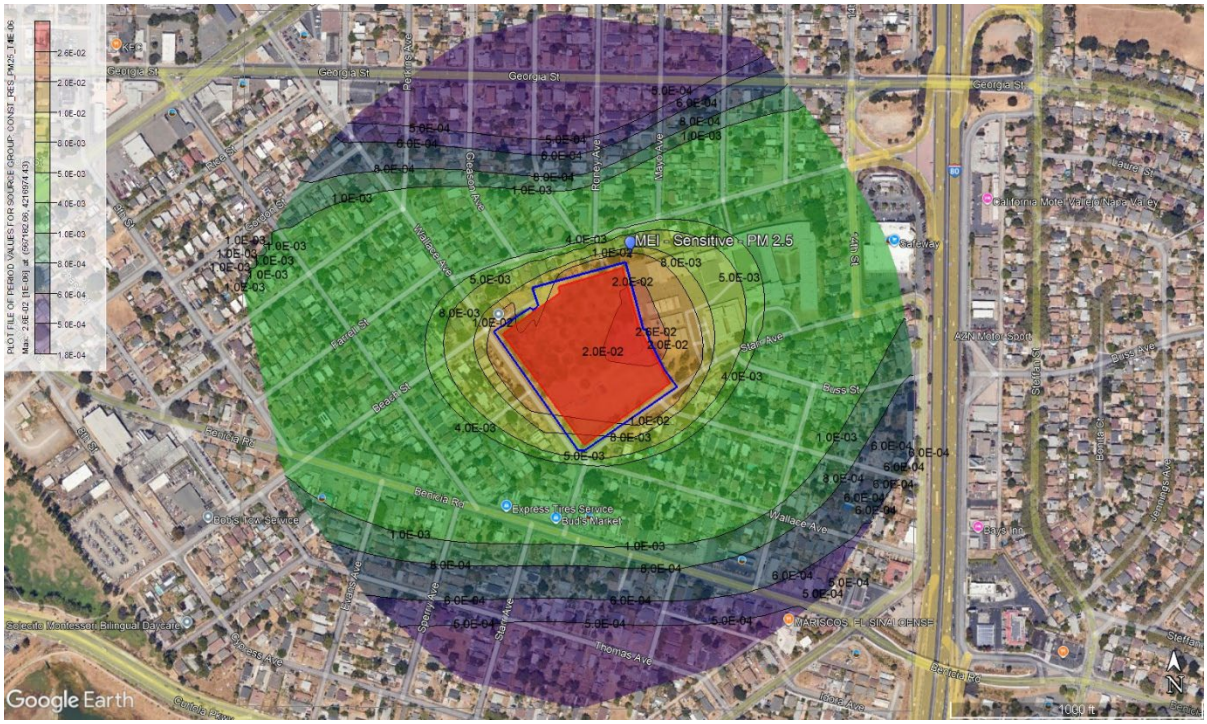
Construction Cancer Health Risk – Sensitive Receptor



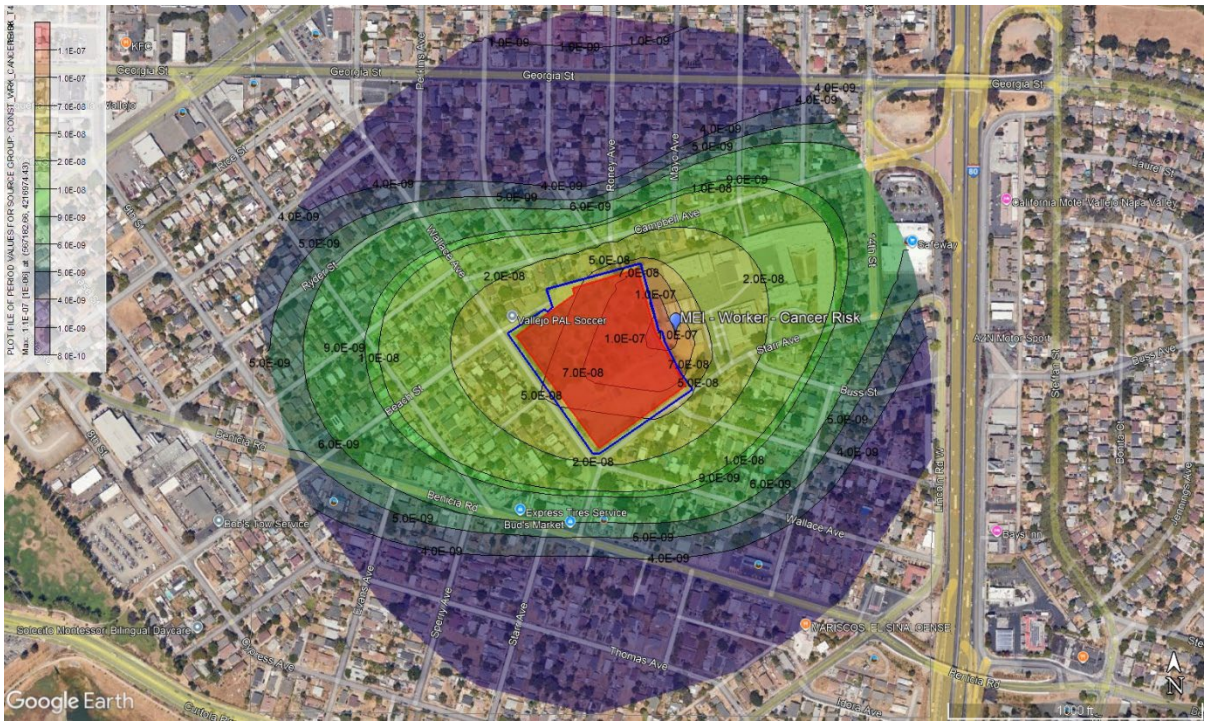
Construction Chronic Health Index – Sensitive Receptor



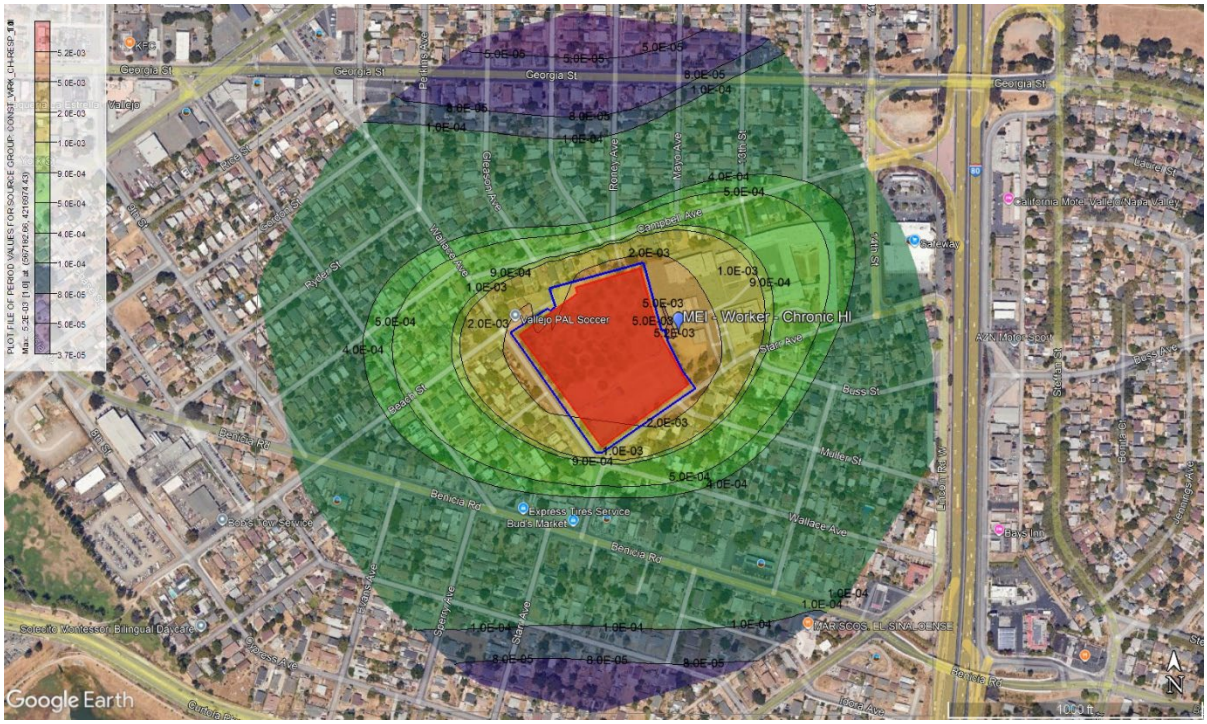
Construction $PM_{2.5}$ Levels – Sensitive Receptor



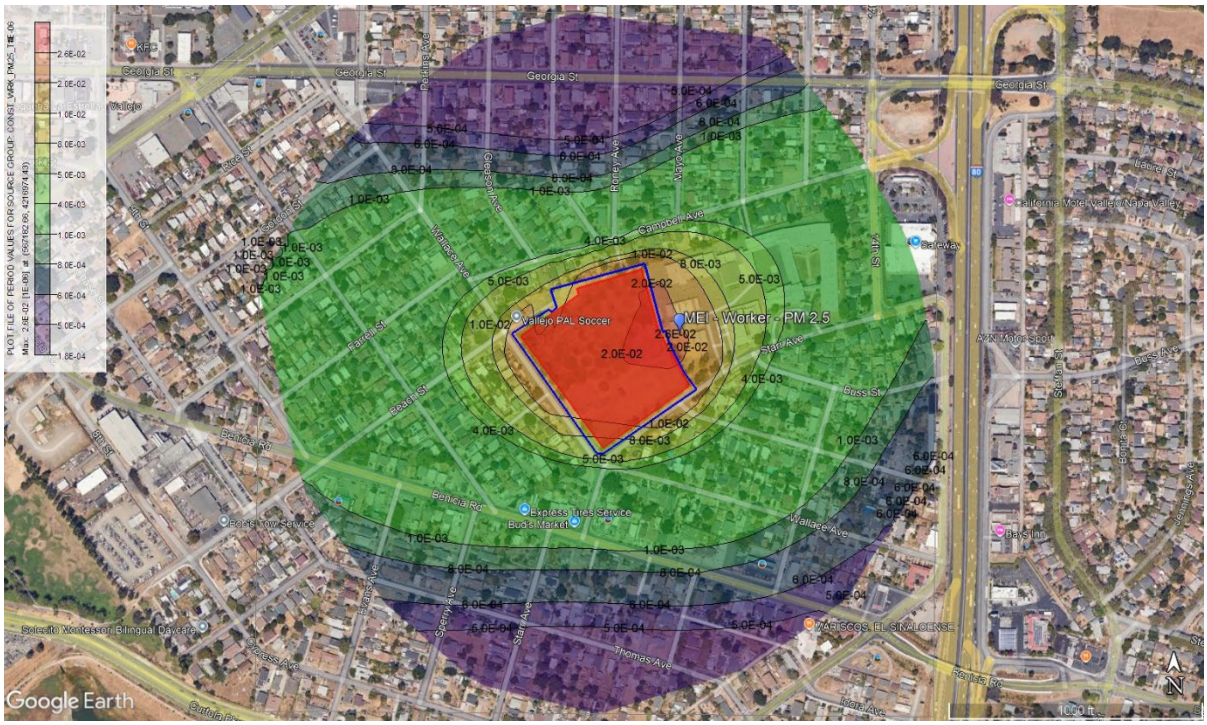
Construction Cancer Health Risk – Worker Receptor



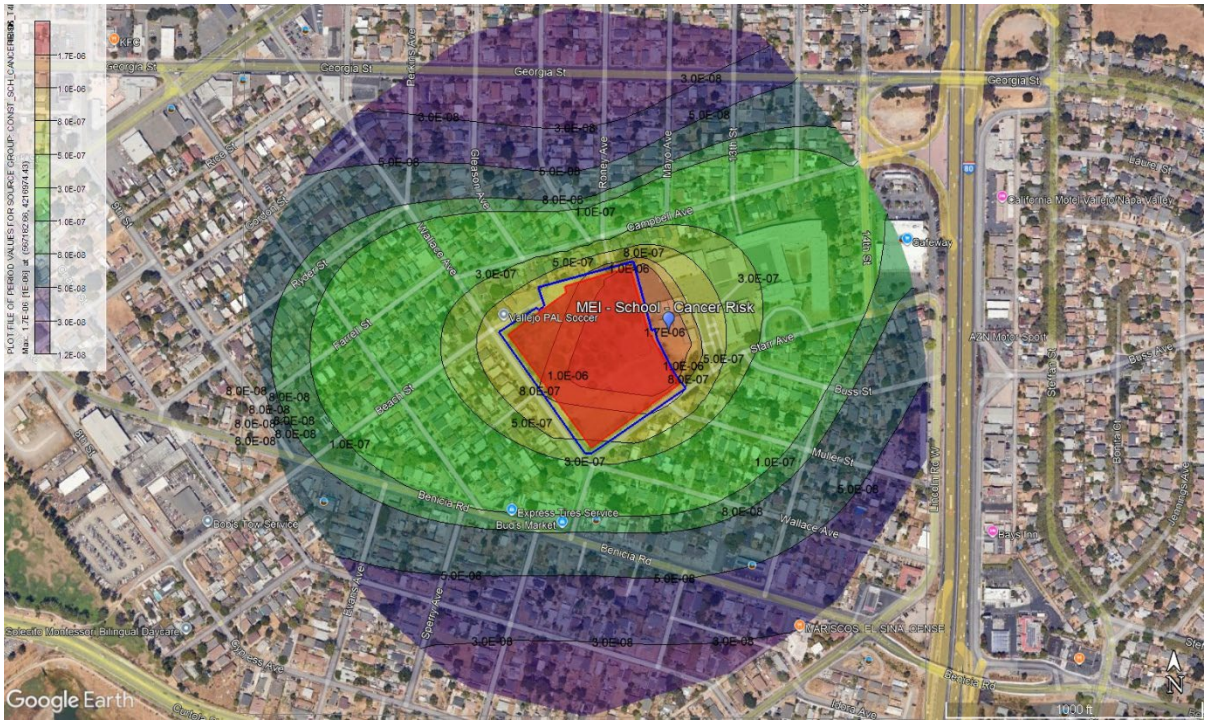
Construction Chronic Health Index – Worker Receptor



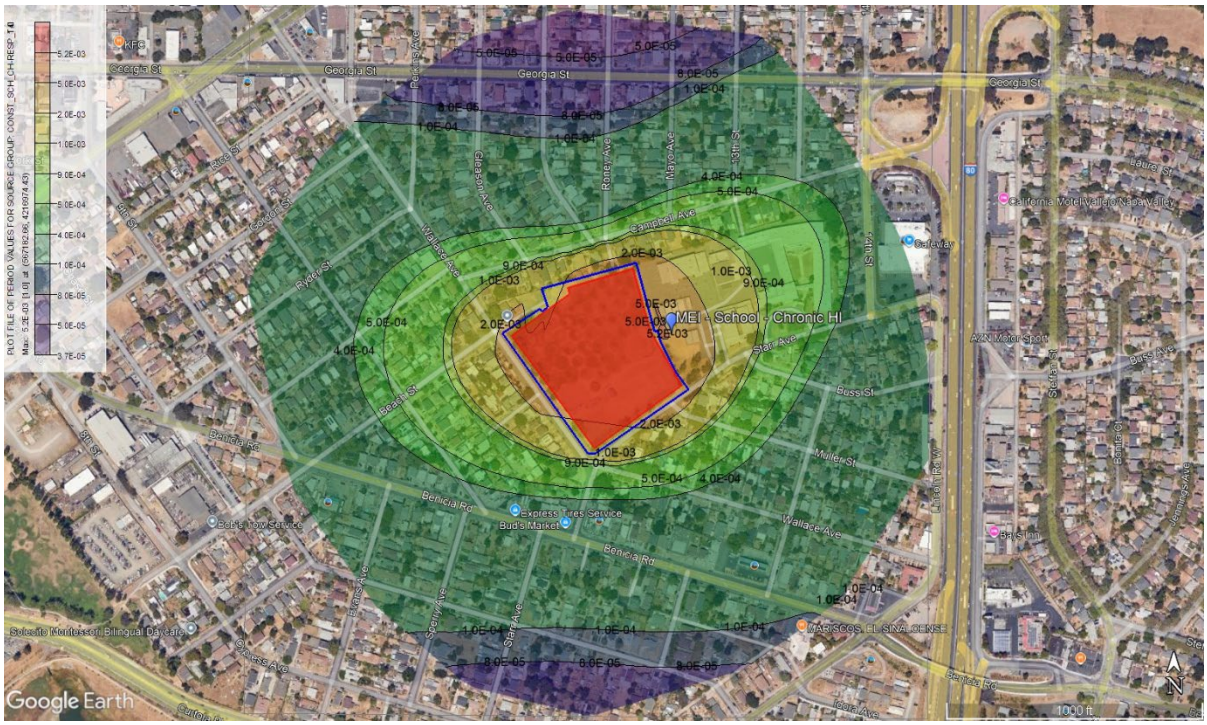
Construction $PM_{2.5}$ Levels – Worker Receptor



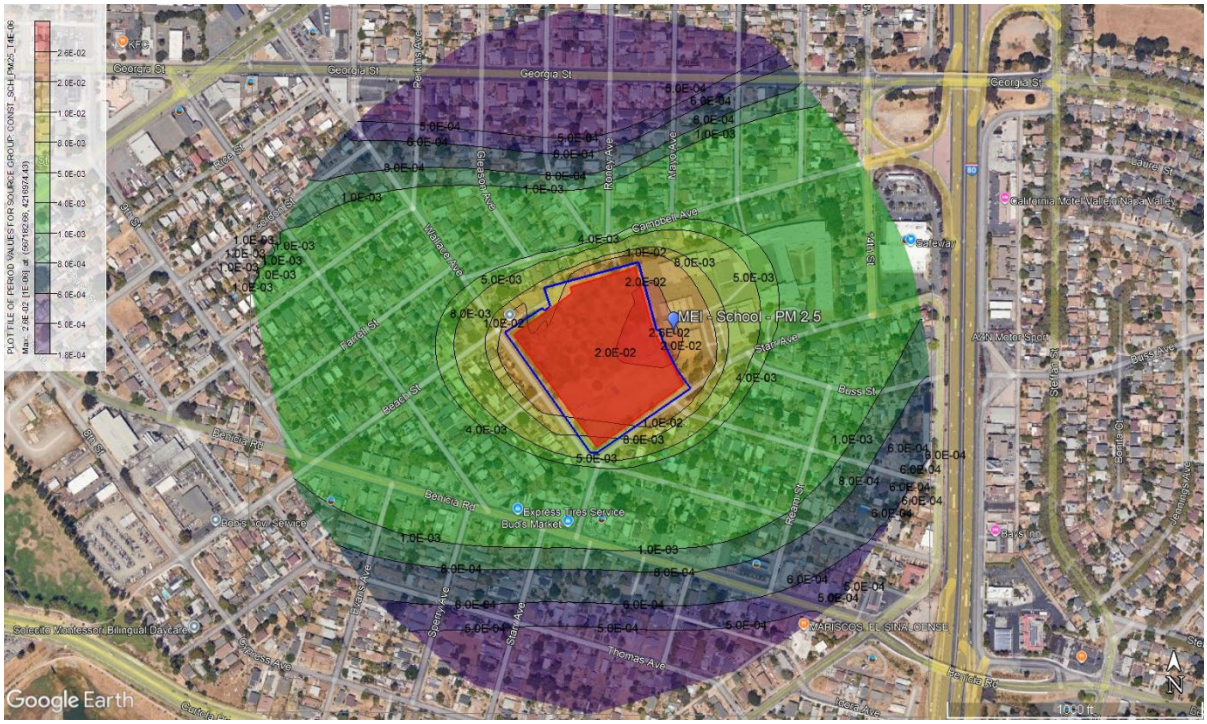
Construction Cancer Health Risk – School Receptor



Construction Chronic Health Index – School Receptor



Construction $PM_{2.5}$ Levels – School Receptor



Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 1 X: 567145.96 Y: 4217064.54			
T2	T3	T4I	T4f
22.91	20.07	2.84	2.06
MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 1 X: 567145.96 Y: 4217064.54			
T2	T3	T4I	T4f
1.64E-02	1.45E-02	2.35E-03	1.45E-03
MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T3	T4I	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Sensitive) - PM 2.5 HARP Rec #: 1 X: 567145.96 Y: 4217064.54			
T2	T3	T4I	T4f
0.082	0.072	0.012	0.007

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 18 X: 567182.66 Y: 4216974.43			
T2	T3	T4I	T4f
0.90	0.79	0.11	0.08
MEI (Worker) - Chronic Hazard Index HARP Rec #: 18 X: 567182.66 Y: 4216974.43			
T2	T3	T4I	T4f
3.60E-02	3.19E-02	5.17E-03	3.18E-03
MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T3	T4I	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Worker) - PM 2.5 HARP Rec #: 18 X: 567182.66 Y: 4216974.43			
T2	T3	T4I	T4f
0.180	0.159	0.026	0.016

Construction MEI (School) - Cancer Risk (in a Million) HARP Rec #: 18 X: 567182.66 Y: 4216974.43			
T2	T3	T4I	T4f
13.51	11.85	1.69	1.21
MEI (School) - Chronic Hazard Index HARP Rec #: 18 X: 567182.66 Y: 4216974.43			
T2	T3	T4I	T4f
3.60E-02	3.19E-02	5.17E-03	3.18E-03
MEI (School) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T3	T4I	T4f
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (School) - PM 2.5 HARP Rec #: 18 X: 567182.66 Y: 4216974.43			
T2	T3	T4I	T4f
0.1802	0.1595	0.0258	0.0159

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	567145.96	4217064.54	38.09889442	-122.2341923
Construction	Sensitive	Chronic HI	567145.96	4217064.54	38.09889442	-122.2341923
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	567145.96	4217064.54	38.09889442	-122.2341923
Construction	School	Cancer Risk	567182.66	4216974.43	38.09807963	-122.2337822
Construction	School	Chronic HI	567182.66	4216974.43	38.09807963	-122.2337822
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	567182.66	4216974.43	38.09807963	-122.2337822
Construction	Worker	Cancer Risk	567182.66	4216974.43	38.09807963	-122.2337822
Construction	Worker	Chronic HI	567182.66	4216974.43	38.09807963	-122.2337822
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	567182.66	4216974.43	38.09807963	-122.2337822

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**310**
	Grid 2		
	Grid 3		
	Grid 4		
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**Vallejo**	
	Provided By	**Bay Area AQMD**	
	Years	**2013 -2017**	
	Elevation (m)	**6**	
	Link		
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**City of Vajello**	
	Urban Grouping / Pop	**Y**	**123,475**
	# of Worker Receptors	**3,150**	
	# of Sensitive Receptors		
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**23089.1**	
	Ht. of Source (m)	**3.048**	

General HARP Input Parameters		
Construction		
School Receptors		
School Scenario Parameters		
	Class Grade	**--**
	Starting Age	**4**
	Age Range	**4 Year Old - 5 Years Old**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
School Pathway Parameters		
	Pathways	**BAAQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 2 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**BAAQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**

	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

			T2		5	T3			T4I			T4f		
					2.29E-05			2.01E-05			2.84E-06			2.06E-06
					4217064.54									
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	567145.96	4217064.54	1.15E-05	1.14E-05	2.29E-05	9.95E-06	1.01E-05	2.01E-05	1.20E-06	1.64E-06	2.84E-06	1.05E-06	1.01E-06	2.06E-06
2	567143.55	4217074.25	7.82E-06	7.80E-06	1.56E-05	6.79E-06	6.90E-06	1.37E-05	8.20E-07	1.12E-06	1.94E-06	7.14E-07	6.88E-07	1.40E-06
3	567141.15	4217083.96	5.60E-06	5.58E-06	1.12E-05	4.86E-06	4.94E-06	9.80E-06	5.87E-07	8.00E-07	1.39E-06	5.11E-07	4.93E-07	1.00E-06
4	567133.93	4217113.08	2.44E-06	2.43E-06	4.87E-06	2.11E-06	2.15E-06	4.26E-06	2.56E-07	3.48E-07	6.04E-07	2.23E-07	2.14E-07	4.37E-07
5	567131.52	4217122.78	1.93E-06	1.92E-06	3.85E-06	1.67E-06	1.70E-06	3.37E-06	2.02E-07	2.76E-07	4.78E-07	1.76E-07	1.70E-07	3.46E-07
6	567129.11	4217132.49	1.56E-06	1.55E-06	3.11E-06	1.35E-06	1.37E-06	2.72E-06	1.63E-07	2.22E-07	3.86E-07	1.42E-07	1.37E-07	2.79E-07
7	567126.71	4217142.19	1.28E-06	1.28E-06	2.56E-06	1.11E-06	1.13E-06	2.24E-06	1.34E-07	1.83E-07	3.17E-07	1.17E-07	1.13E-07	2.30E-07
8	567124.3	4217151.9	1.07E-06	1.07E-06	2.14E-06	9.29E-07	9.45E-07	1.87E-06	1.12E-07	1.53E-07	2.65E-07	9.78E-08	9.43E-08	1.92E-07
9	567121.89	4217161.61	9.11E-07	9.08E-07	1.82E-06	7.90E-07	8.04E-07	1.59E-06	9.56E-08	1.30E-07	2.26E-07	8.32E-08	8.02E-08	1.63E-07
10	567119.49	4217171.31	7.86E-07	7.84E-07	1.57E-06	6.82E-07	6.94E-07	1.38E-06	8.25E-08	1.12E-07	1.95E-07	7.18E-08	6.92E-08	1.41E-07
11	567117.08	4217181.02	6.87E-07	6.85E-07	1.37E-06	5.96E-07	6.06E-07	1.20E-06	7.21E-08	9.82E-08	1.70E-07	6.28E-08	6.05E-08	1.23E-07
12	567114.67	4217190.72	6.08E-07	6.06E-07	1.21E-06	5.28E-07	5.36E-07	1.06E-06	6.38E-08	8.69E-08	1.51E-07	5.55E-08	5.35E-08	1.09E-07
13	567102.64	4217239.25	3.74E-07	3.73E-07	7.47E-07	3.24E-07	3.30E-07	6.54E-07	3.92E-08	5.34E-08	9.27E-08	3.42E-08	3.29E-08	6.71E-08
14	567100.23	4217248.96	3.46E-07	3.45E-07	6.91E-07	3.00E-07	3.05E-07	6.05E-07	3.63E-08	4.94E-08	8.57E-08	3.16E-08	3.04E-08	6.20E-08
15	567097.83	4217258.67	3.21E-07	3.20E-07	6.42E-07	2.79E-07	2.83E-07	5.62E-07	3.37E-08	4.59E-08	7.96E-08	2.93E-08	2.83E-08	5.76E-08
16	567095.42	4217268.37	3.00E-07	2.99E-07	5.99E-07	2.60E-07	2.64E-07	5.24E-07	3.14E-08	4.28E-08	7.43E-08	2.74E-08	2.64E-08	5.38E-08
17	567178.64	4216983.73	2.50E-05	2.49E-05	4.99E-05	2.17E-05	2.20E-05	4.37E-05	2.62E-06	3.57E-06	6.19E-06	2.28E-06	2.20E-06	4.48E-06
18	567182.66	4216974.43	2.52E-05	2.52E-05	5.04E-05	2.19E-05	2.23E-05	4.42E-05	2.65E-06	3.61E-06	6.26E-06	2.31E-06	2.22E-06	4.53E-06
19	567187.53	4216987.36	1.99E-05	1.99E-05	3.98E-05	1.73E-05	1.76E-05	3.49E-05	2.09E-06	2.85E-06	4.94E-06	1.82E-06	1.76E-06	3.58E-06
20	567176.43	4216996.07	2.33E-05	2.32E-05	4.66E-05	2.02E-05	2.06E-05	4.08E-05	2.45E-06	3.33E-06	5.78E-06	2.13E-06	2.05E-06	4.18E-06
21	567192.3	4216977.06	2.00E-05	1.99E-05	3.99E-05	1.73E-05	1.76E-05	3.50E-05	2.10E-06	2.86E-06	4.95E-06	1.83E-06	1.76E-06	3.58E-06
22	567196.79	4216990.49	1.64E-05	1.64E-05	3.28E-05	1.43E-05	1.45E-05	2.88E-05	1.72E-06	2.35E-06	4.07E-06	1.50E-06	1.45E-06	2.95E-06
23	567189.91	4216999.48	1.72E-05	1.72E-05	3.44E-05	1.50E-05	1.52E-05	3.02E-05	1.81E-06	2.46E-06	4.27E-06	1.57E-06	1.52E-06	3.09E-06
24	567180.87	4217004.78	1.96E-05	1.95E-05	3.91E-05	1.70E-05	1.73E-05	3.43E-05	2.05E-06	2.80E-06	4.85E-06	1.79E-06	1.72E-06	3.51E-06
25	567169.67	4217006.41	2.50E-05	2.49E-05	4.99E-05	2.17E-05	2.20E-05	4.37E-05	2.62E-06	3.57E-06	6.19E-06	2.28E-06	2.20E-06	4.48E-06
26	567201.95	4216979.69	1.64E-05	1.64E-05	3.28E-05	1.42E-05	1.45E-05	2.87E-05	1.72E-06	2.34E-06	4.07E-06	1.50E-06	1.44E-06	2.94E-06
27	567206.21	4216993.42	1.39E-05	1.38E-05	2.77E-05	1.20E-05	1.22E-05	2.43E-05	1.46E-06	1.98E-06	3.44E-06	1.27E-06	1.22E-06	2.49E-06
28	567198.87	4217003.01	1.45E-05	1.44E-05	2.89E-05	1.26E-05	1.28E-05	2.53E-05	1.52E-06	2.07E-06	3.59E-06	1.32E-06	1.27E-06	2.60E-06
29	567185.56	4217013.46	1.66E-05	1.66E-05	3.32E-05	1.44E-05	1.46E-05	2.91E-05	1.74E-06	2.37E-06	4.12E-06	1.52E-06	1.46E-06	2.98E-06
30	567173.61	4217015.19	2.08E-05	2.07E-05	4.15E-05	1.80E-05	1.83E-05	3.64E-05	2.18E-06	2.97E-06	5.15E-06	1.90E-06	1.83E-06	3.73E-06
31	567211.6	4216982.32	1.38E-05	1.38E-05	2.76E-05	1.20E-05	1.22E-05	2.42E-05	1.45E-06	1.97E-06	3.42E-06	1.26E-06	1.22E-06	2.48E-06
32	567215.71	4216996.25	1.19E-05	1.19E-05	2.38E-05	1.03E-05	1.05E-05	2.08E-05	1.25E-06	1.70E-06	2.95E-06	1.09E-06	1.05E-06	2.14E-06
33	567208.06	4217006.24	1.24E-05	1.23E-05	2.47E-05	1.07E-05	1.09E-05	2.17E-05	1.30E-06	1.77E-06	3.07E-06	1.13E-06	1.09E-06	2.22E-06
34	567200.42	4217016.23	1.28E-05	1.28E-05	2.56E-05	1.11E-05	1.13E-05	2.24E-05	1.34E-06	1.83E-06	3.18E-06	1.17E-06	1.13E-06	2.30E-06
35	567190.37	4217022.12	1.42E-05	1.42E-05	2.84E-05	1.23E-05	1.25E-05	2.49E-05	1.49E-06	2.03E-06	3.52E-06	1.30E-06	1.25E-06	2.55E-06
36	567177.93	4217023.93	1.74E-05	1.73E-05	3.47E-05	1.51E-05	1.53E-05	3.04E-05	1.82E-06	2.48E-06	4.30E-06	1.59E-06	1.53E-06	3.11E-06
37	567165.48	4217025.73	2.24E-05	2.24E-05	4.48E-05	1.95E-05	1.98E-05	3.92E-05	2.35E-06	3.21E-06	5.56E-06	2.05E-06	1.97E-06	4.02E-06
38	567221.25	4216984.95	1.18E-05	1.18E-05	2.36E-05	1.02E-05	1.04E-05	2.07E-05	1.24E-06	1.69E-06	2.93E-06	1.08E-06	1.04E-06	2.12E-06
39	567225.24	4216999.03	1.04E-05	1.03E-05	2.07E-05	8.98E-06	9.13E-06	1.81E-05	1.09E-06	1.48E-06	2.57E-06	9.46E-07	9.11E-07	1.86E-06
40	567217.38	4217009.3	1.08E-05	1.07E-05	2.15E-05	9.34E-06	9.49E-06	1.88E-05	1.13E-06	1.54E-06	2.67E-06	9.83E-07	9.47E-07	1.93E-06
41	567209.52	4217019.57	1.11E-05	1.11E-05	2.21E-05	9.62E-06	9.78E-06	1.94E-05	1.16E-06	1.58E-06	2.75E-06	1.01E-06	9.76E-07	1.99E-06
42	567195.26	4217030.77	1.22E-05	1.22E-05	2.44E-05	1.06E-05	1.08E-05	2.14E-05	1.28E-06	1.75E-06	3.03E-06	1.12E-06	1.08E-06	2.20E-06
43	567182.45	4217032.63	1.46E-05	1.45E-05	2.91E-05	1.27E-05	1.29E-05	2.55E-05	1.53E-06	2.09E-06	3.62E-06	1.33E-06	1.28E-06	2.62E-06
44	567169.65	4217034.48	1.81E-05	1.81E-05	3.62E-05	1.57E-05	1.60E-05	3.17E-05	1.90E-06	2.59E-06	4.49E-06	1.66E-06	1.60E-06	3.25E-06
45	567230.89	4216987.59	1.02E-05	1.02E-05	2.04E-05	8.85E-06	9.00E-06	1.79E-05	1.07E-06	1.46E-06	2.53E-06	9.32E-07	8.98E-07	1.83E-06
46	567235.26	4217001.18	9.07E-06	9.04E-06	1.81E-05	7.87E-06	8.00E-06	1.59E-05	9.51E-07	1.30E-06	2.25E-06	8.28E-07	7.98E-07	1.63E-06
47	567228.12	4217010.51	9.40E-06	9.38E-06	1.88E-05	8.16E-06	8.30E-06	1.65E-05	9.86E-07	1.34E-06	2.33E-06	8.59E-07	8.28E-07	1.69E-06
48	567220.99	4217019.83	9.66E-06	9.63E-06	1.93E-05	8.38E-06	8.52E-06	1.69E-05	1.01E-06	1.38E-06	2.39E-06	8.82E-07	8.50E-07	1.73E-06
49	567213.85	4217029.15	9.83E-06	9.80E-06	1.96E-05	8.53E-06	8.67E-06	1.72E-05	1.03E-06	1.41E-06	2.44E-06	8.98E-07	8.65E-07	1.76E-06
50	567200.91	4217039.31	1.05E-05	1.05E-05	2.10E-05	9.13E-06	9.29E-06	1.84E-05	1.10E-06	1.50E-06	2.61E-06	9.61E-07	9.27E-07	1.89E-06
51	567189.29	4217041	1.20E-05	1.20E-05	2.40E-05	1.04E-05	1.06E-05	2.10E-05	1.26E-06	1.72E-06	2.97E-06	1.10E-06	1.06E-06	2.15E-06
52	567177.68	4217042.68	1.39E-05	1.39E-05	2.79E-05	1.21E-05	1.23E-05	2.44E-05	1.46E-06	1.99E-06	3.46E-06	1.27E-06	1.23E-06	2.50E-06
53	567166.06	4217044.36	1.67E-05	1.67E-05	3.34E-05	1.45E-05	1.48E-05	2.93E-05	1.75E-06	2.39E-06	4.14E-06	1.53E-06	1.47E-06	3.00E-06
54	567240.54	4216990.22	8.91E-06	8.88E-06	1.78E-05	7.73E-06	7.86E-06	1.56E-05	9.34E-07	1.27E-06	2.21E-06	8.14E-07	7.84E-07	1.60E-06
55	567244.8	4217003.95	8.03E-06	8.01E-06	1.60E-05	6.97E-06	7.08E-06	1.41E-05	8.42E-07	1.15E-06	1.99E-06	7.34E-07	7.07E-07	1.44E-06
56	567237.46	4217013.54	8.34E-06	8.32E-06	1.67E-05	7.24E-06	7.36E-06	1.46E-05	8.75E-07	1.19E-06	2.07E-06	7.62E-07	7.34E-07	1.50E-06
57	567230.13	4217023.13	8.57E-06	8.54E-06	1.71E-05	7.44E-06	7.56E-06	1.50E-05	8.99E-07	1.23E-06	2.12E-06	7.83E-07	7.55E-07	1.54E-06
58	567222.79	4217032.71	8.70E-06	8.67E-06	1.74E-05	7.55E-06	7.68E-06	1.52E-05	9.13E-07	1.24E-06	2.16E-06	7.95E-07	7.66E-07	1.56E-06
59	567215.45	4217042.3	8.73E-06	8.70E-06	1.74E-05	7.58E-06	7.70E-06	1.53E-05	9.16E-07	1.25E-06	2.16E-06	7.98E-07	7.69E-07	1.57E-06
60	567205.81	4217047.96	9.17E-06	9.14E-06	1.83E-05	7.95E-06	8.09E-06	1.60E-05	9.62E-07	1.31E-06	2.27E-06	8.37E-07	8.07E-07	1.64E-06
61	567193.86	4217049.69	1.02E-05	1.02E-05	2.05E-05	8.89E-06	9.04E-06	1.79E-05	1.07E-06	1.46E-06	2.54E-06	9.36E-07	9.02E-07	1.84E-06
62	567181.91	4217051.42	1.16E-05	1.15E-05	2.31E-05	1.00E-05	1.02E-05	2.02E-05	1.21E-06	1.65E-06	2.87E-06	1.06E-06	1.02E-06	2.07E-06
63	567169.96	4217053.15	1.32E-05	1.32E-05	2.64E-05	1.15E-05	1.16E-05	2.31E-05	1.38E-06	1.89E-06	3.27E-06	1.21E-06	1.16E-06	2.37E-06
64	567158.01	4217054.88	1.52E-05	1.52E-05	3.04E-05	1.32E-05	1.34E-05	2.66E-05	1.60E-06	2.18E-06	3.77E-06	1.39E-06	1.34E-06	2.73E-06
65	567250.19	4216992.85	7.84E-06	7.82E-06	1.57E-05	6.80E-06	6.92E-06	1.37E-05	8.22E-07	1.12E-06	1.94E-06	7.16E-07	6.90E-07	1.41E-06
66	567254.36	4217006.69	7.15E-06	7.13E-06	1.43E-05	6.21E-06	6.31E-06	1.25E-05	7.50E-07	1.02E-06	1.77E-06	6.54E-07	6.30E-07	1.28E-06
67	567246.86	4217016.5	7.45E-06	7.43E-06	1.49E-05	6.46E-06	6.57E-06	1.30E-05	7.81E-07	1.06E-06	1.85E-06	6.80E-07	6.56E-07	1.34E-06

68	567239.36	4217026.3	7.66E-06	7.63E-06	1.53E-05	6.64E-06	6.76E-06	1.34E-05	8.03E-07	1.09E-06	1.90E-06	7.00E-07	6.74E-07	1.37E-06
69	567231.85	4217036.11	7.77E-06	7.75E-06	1.55E-05	6.74E-06	6.85E-06	1.36E-05	8.15E-07	1.11E-06	1.93E-06	7.10E-07	6.84E-07	1.39E-06
70	567224.35	4217045.91	7.78E-06	7.75E-06	1.55E-05	6.75E-06	6.86E-06	1.36E-05	8.16E-07	1.11E-06	1.93E-06	7.10E-07	6.84E-07	1.39E-06
71	567210.73	4217056.61	8.00E-06	7.98E-06	1.60E-05	6.94E-06	7.06E-06	1.40E-05	8.39E-07	1.14E-06	1.98E-06	7.31E-07	7.04E-07	1.44E-06
72	567198.51	4217058.38	8.77E-06	8.74E-06	1.75E-05	7.61E-06	7.74E-06	1.53E-05	9.20E-07	1.25E-06	2.17E-06	8.01E-07	7.72E-07	1.57E-06
73	567186.29	4217060.14	9.62E-06	9.59E-06	1.92E-05	8.34E-06	8.48E-06	1.68E-05	1.01E-06	1.37E-06	2.38E-06	8.78E-07	8.46E-07	1.72E-06
74	567174.07	4217061.91	1.05E-05	1.05E-05	2.10E-05	9.11E-06	9.26E-06	1.84E-05	1.10E-06	1.50E-06	2.60E-06	9.59E-07	9.24E-07	1.88E-06
75	567161.85	4217063.68	1.13E-05	1.12E-05	2.25E-05	9.77E-06	9.93E-06	1.97E-05	1.18E-06	1.61E-06	2.79E-06	1.03E-06	9.91E-07	2.02E-06
76	567259.84	4216995.48	6.95E-06	6.92E-06	1.39E-05	6.03E-06	6.13E-06	1.22E-05	7.29E-07	9.93E-07	1.72E-06	6.34E-07	6.11E-07	1.25E-06
77	567263.94	4217009.41	6.40E-06	6.38E-06	1.28E-05	5.56E-06	5.65E-06	1.12E-05	6.72E-07	9.15E-07	1.59E-06	5.85E-07	5.64E-07	1.15E-06
78	567256.3	4217019.4	6.69E-06	6.66E-06	1.33E-05	5.80E-06	5.90E-06	1.17E-05	7.01E-07	9.56E-07	1.66E-06	6.11E-07	5.88E-07	1.20E-06
79	567248.66	4217029.39	6.88E-06	6.86E-06	1.37E-05	5.97E-06	6.07E-06	1.20E-05	7.22E-07	9.84E-07	1.71E-06	6.29E-07	6.06E-07	1.23E-06
80	567241.01	4217039.38	6.99E-06	6.96E-06	1.40E-05	6.06E-06	6.16E-06	1.22E-05	7.33E-07	9.99E-07	1.73E-06	6.38E-07	6.15E-07	1.25E-06
81	567233.37	4217049.36	6.98E-06	6.96E-06	1.39E-05	6.06E-06	6.16E-06	1.22E-05	7.33E-07	9.98E-07	1.73E-06	6.38E-07	6.15E-07	1.25E-06
82	567225.73	4217059.35	6.86E-06	6.84E-06	1.37E-05	5.95E-06	6.05E-06	1.20E-05	7.20E-07	9.81E-07	1.70E-06	6.27E-07	6.04E-07	1.23E-06
83	567215.68	4217065.25	7.00E-06	6.98E-06	1.40E-05	6.08E-06	6.18E-06	1.23E-05	7.34E-07	1.00E-06	1.74E-06	6.40E-07	6.16E-07	1.26E-06
84	567203.23	4217067.05	7.53E-06	7.51E-06	1.50E-05	6.53E-06	6.64E-06	1.32E-05	7.90E-07	1.08E-06	1.87E-06	6.88E-07	6.63E-07	1.35E-06
85	567190.79	4217068.85	8.04E-06	8.02E-06	1.61E-05	6.98E-06	7.10E-06	1.41E-05	8.44E-07	1.15E-06	1.99E-06	7.35E-07	7.08E-07	1.44E-06
86	567178.34	4217070.65	8.47E-06	8.45E-06	1.69E-05	7.35E-06	7.47E-06	1.48E-05	8.89E-07	1.21E-06	2.10E-06	7.74E-07	7.46E-07	1.52E-06
87	567165.89	4217072.46	8.67E-06	8.64E-06	1.73E-05	7.52E-06	7.65E-06	1.52E-05	9.09E-07	1.24E-06	2.15E-06	7.92E-07	7.63E-07	1.56E-06
88	567153.45	4217074.26	8.29E-06	8.26E-06	1.66E-05	7.19E-06	7.31E-06	1.45E-05	8.69E-07	1.18E-06	2.05E-06	7.57E-07	7.30E-07	1.49E-06
89	567269.48	4216998.11	6.19E-06	6.17E-06	1.24E-05	5.37E-06	5.46E-06	1.08E-05	6.49E-07	8.85E-07	1.53E-06	5.65E-07	5.45E-07	1.11E-06
90	567273.53	4217012.12	5.76E-06	5.74E-06	1.15E-05	5.00E-06	5.08E-06	1.01E-05	6.04E-07	8.24E-07	1.43E-06	5.26E-07	5.07E-07	1.03E-06
91	567265.77	4217022.26	6.03E-06	6.01E-06	1.20E-05	5.23E-06	5.32E-06	1.05E-05	6.32E-07	8.62E-07	1.49E-06	5.51E-07	5.31E-07	1.08E-06
92	567258.01	4217032.4	6.22E-06	6.20E-06	1.24E-05	5.40E-06	5.49E-06	1.09E-05	6.52E-07	8.89E-07	1.54E-06	5.68E-07	5.47E-07	1.12E-06
93	567250.25	4217042.54	6.32E-06	6.30E-06	1.26E-05	5.48E-06	5.58E-06	1.11E-05	6.63E-07	9.04E-07	1.57E-06	5.77E-07	5.57E-07	1.13E-06
94	567242.49	4217052.69	6.32E-06	6.30E-06	1.26E-05	5.49E-06	5.58E-06	1.11E-05	6.63E-07	9.04E-07	1.57E-06	5.78E-07	5.57E-07	1.13E-06
95	567234.73	4217062.83	6.21E-06	6.19E-06	1.24E-05	5.39E-06	5.48E-06	1.09E-05	6.52E-07	8.88E-07	1.54E-06	5.67E-07	5.47E-07	1.11E-06
96	567220.65	4217073.88	6.15E-06	6.13E-06	1.23E-05	5.33E-06	5.42E-06	1.08E-05	6.45E-07	8.79E-07	1.52E-06	5.62E-07	5.41E-07	1.10E-06
97	567208.01	4217075.71	6.50E-06	6.48E-06	1.30E-05	5.64E-06	5.73E-06	1.14E-05	6.81E-07	9.29E-07	1.61E-06	5.93E-07	5.72E-07	1.17E-06
98	567195.37	4217077.55	6.78E-06	6.76E-06	1.35E-05	5.89E-06	5.98E-06	1.19E-05	7.11E-07	9.70E-07	1.68E-06	6.20E-07	5.97E-07	1.22E-06
99	567182.73	4217079.38	6.95E-06	6.93E-06	1.39E-05	6.03E-06	6.13E-06	1.22E-05	7.29E-07	9.94E-07	1.72E-06	6.35E-07	6.12E-07	1.25E-06
100	567170.09	4217081.21	6.90E-06	6.88E-06	1.38E-05	5.99E-06	6.09E-06	1.21E-05	7.24E-07	9.86E-07	1.71E-06	6.30E-07	6.07E-07	1.24E-06
101	567157.45	4217083.04	6.46E-06	6.44E-06	1.29E-05	5.60E-06	5.70E-06	1.13E-05	6.77E-07	9.23E-07	1.60E-06	5.90E-07	5.68E-07	1.16E-06
102	567279.13	4217000.75	5.54E-06	5.53E-06	1.11E-05	4.81E-06	4.89E-06	9.70E-06	5.81E-07	7.92E-07	1.37E-06	5.06E-07	4.88E-07	9.94E-07
103	567283.13	4217014.82	5.20E-06	5.19E-06	1.04E-05	4.52E-06	4.59E-06	9.11E-06	5.46E-07	7.44E-07	1.29E-06	4.75E-07	4.58E-07	9.33E-07
104	567275.27	4217025.09	5.46E-06	5.45E-06	1.09E-05	4.74E-06	4.82E-06	9.56E-06	5.73E-07	7.81E-07	1.35E-06	4.99E-07	4.81E-07	9.80E-07
105	567267.41	4217035.36	5.65E-06	5.63E-06	1.13E-05	4.90E-06	4.98E-06	9.88E-06	5.92E-07	8.07E-07	1.40E-06	5.16E-07	4.97E-07	1.01E-06
106	567259.54	4217045.64	5.75E-06	5.73E-06	1.15E-05	4.99E-06	5.07E-06	1.01E-05	6.03E-07	8.22E-07	1.43E-06	5.25E-07	5.06E-07	1.03E-06
107	567251.68	4217055.91	5.76E-06	5.74E-06	1.15E-05	5.00E-06	5.08E-06	1.01E-05	6.04E-07	8.23E-07	1.43E-06	5.26E-07	5.07E-07	1.03E-06
108	567243.82	4217066.18	5.66E-06	5.65E-06	1.13E-05	4.91E-06	5.00E-06	9.91E-06	5.94E-07	8.10E-07	1.40E-06	5.17E-07	4.99E-07	1.02E-06
109	567235.96	4217076.46	5.45E-06	5.43E-06	1.09E-05	4.73E-06	4.81E-06	9.53E-06	5.71E-07	7.79E-07	1.35E-06	4.98E-07	4.80E-07	9.77E-07
110	567225.63	4217082.52	5.41E-06	5.40E-06	1.08E-05	4.70E-06	4.78E-06	9.47E-06	5.68E-07	7.74E-07	1.34E-06	4.95E-07	4.77E-07	9.71E-07
111	567212.82	4217084.37	5.63E-06	5.61E-06	1.12E-05	4.89E-06	4.97E-06	9.85E-06	5.91E-07	8.05E-07	1.40E-06	5.14E-07	4.96E-07	1.01E-06
112	567200.02	4217086.23	5.77E-06	5.75E-06	1.15E-05	5.00E-06	5.09E-06	1.01E-05	6.05E-07	8.25E-07	1.43E-06	5.27E-07	5.08E-07	1.03E-06
113	567187.22	4217088.08	5.79E-06	5.78E-06	1.16E-05	5.03E-06	5.11E-06	1.01E-05	6.08E-07	8.28E-07	1.44E-06	5.29E-07	5.10E-07	1.04E-06
114	567174.42	4217089.94	5.63E-06	5.61E-06	1.12E-05	4.88E-06	4.96E-06	9.85E-06	5.90E-07	8.04E-07	1.39E-06	5.14E-07	4.95E-07	1.01E-06
115	567161.61	4217091.79	5.20E-06	5.18E-06	1.04E-05	4.51E-06	4.59E-06	9.10E-06	5.45E-07	7.43E-07	1.29E-06	4.75E-07	4.58E-07	9.33E-07
116	567148.81	4217093.65	4.55E-06	4.53E-06	9.08E-06	3.94E-06	4.01E-06	7.96E-06	4.77E-07	6.50E-07	1.13E-06	4.15E-07	4.00E-07	8.16E-07
117	567288.78	4217003.38	4.99E-06	4.97E-06	9.96E-06	4.33E-06	4.40E-06	8.73E-06	5.23E-07	7.13E-07	1.24E-06	4.56E-07	4.39E-07	8.95E-07
118	567292.98	4217017.18	4.71E-06	4.70E-06	9.41E-06	4.09E-06	4.16E-06	8.24E-06	4.94E-07	6.73E-07	1.17E-06	4.30E-07	4.15E-07	8.45E-07
119	567285.53	4217026.92	4.95E-06	4.93E-06	9.88E-06	4.29E-06	4.37E-06	8.66E-06	5.19E-07	7.07E-07	1.23E-06	4.52E-07	4.36E-07	8.88E-07
120	567278.08	4217036.66	5.13E-06	5.11E-06	1.02E-05	4.45E-06	4.52E-06	8.97E-06	5.38E-07	7.33E-07	1.27E-06	4.68E-07	4.51E-07	9.20E-07
121	567270.62	4217046.4	5.24E-06	5.22E-06	1.05E-05	4.55E-06	4.62E-06	9.17E-06	5.50E-07	7.49E-07	1.30E-06	4.79E-07	4.61E-07	9.40E-07
122	567263.17	4217056.13	5.28E-06	5.26E-06	1.05E-05	4.58E-06	4.66E-06	9.23E-06	5.54E-07	7.54E-07	1.31E-06	4.82E-07	4.65E-07	9.47E-07
123	567255.72	4217065.87	5.23E-06	5.21E-06	1.04E-05	4.54E-06	4.61E-06	9.15E-06	5.49E-07	7.48E-07	1.30E-06	4.78E-07	4.60E-07	9.38E-07
124	567248.27	4217075.61	5.10E-06	5.08E-06	1.02E-05	4.42E-06	4.50E-06	8.92E-06	5.34E-07	7.28E-07	1.26E-06	4.65E-07	4.49E-07	9.14E-07
125	567240.82	4217085.35	4.86E-06	4.84E-06	9.70E-06	4.22E-06	4.29E-06	8.50E-06	5.10E-07	6.95E-07	1.20E-06	4.44E-07	4.28E-07	8.72E-07
126	567231.02	4217091.1	4.78E-06	4.77E-06	9.55E-06	4.15E-06	4.22E-06	8.37E-06	5.01E-07	6.83E-07	1.18E-06	4.37E-07	4.21E-07	8.58E-07
127	567218.89	4217092.85	4.90E-06	4.89E-06	9.79E-06	4.25E-06	4.32E-06	8.58E-06	5.14E-07	7.01E-07	1.21E-06	4.48E-07	4.31E-07	8.79E-07
128	567206.75	4217094.61	4.95E-06	4.94E-06	9.89E-06	4.30E-06	4.37E-06	8.66E-06	5.19E-07	7.08E-07	1.23E-06	4.52E-07	4.36E-07	8.88E-07
129	567194.61	4217096.37	4.92E-06	4.90E-06	9.82E-06	4.27E-06	4.34E-06	8.61E-06	5.16E-07	7.03E-07	1.22E-06	4.49E-07	4.33E-07	8.82E-07
130	567182.48	4217098.13	4.76E-06	4.74E-06	9.50E-06	4.13E-06	4.20E-06	8.32E-06	4.99E-07	6.80E-07	1.18E-06	4.35E-07	4.19E-07	8.53E-07
131	567170.34	4217099.88	4.44E-06	4.43E-06	8.87E-06	3.85E-06	3.92E-06	7.77E-06	4.66E-07	6.35E-07	1.10E-06	4.06E-07	3.91E-07	7.96E-07
132	567298.43	4217006.01	4.51E-06	4.49E-06	9.00E-06	3.91E-06	3.97E-06	7.88E-06	4.73E-07	6.44E-07	1.12E-06	4.12E-07	3.97E-07	8.08E-07
133	567302.58	4217019.88	4.29E-06	4.27E-06	8.56E-06	3.72E-06	3.78E-06	7.50E-06	4.49E-07	6.13E-07	1.06E-06	3.91E-07	3.77E-07	7.69E-07
134	567295.02	4217029.75	4.52E-06	4.50E-06	9.02E-06	3.92E-06	3.98E-06	7.90E-06	4.74E-07	6.46E-07	1.12E-06	4.13E-07	3.98E-07	8.10E-07
135	567287.47	4217039.62	4.69E-06	4.68E-06	9.37E-06	4.07E-06	4.14E-06	8.21E-06	4.92E-07	6.71E-07	1.16E-06	4.29E-07	4.13E-07	8.42E-07
136	567279.92	4217049.49	4.80E-06	4.79E-06	9.59E-06	4.17E-06	4.24E-06	8.41E-06	5.04E-07	6.87E-07	1.19E-06	4.39E-07	4.23E-07	8.62E-07
137	567272.36	4217059.36	4.85E-06	4.83E-06	9.68E-06	4.20E-06	4.28E-06	8.48E-06	5.08E-07	6.93E-07	1.20E-06	4.43E-07	4.27E-07	8.69E-07
138	567264.81	4217069.23	4.81E-06	4.80E-06	9.61E-06	4.17E-06	4.24E-06	8.42E-06	5.05E-07	6.88E-07	1.19E-06	4.39E-07	4.23E-07	8.63E-07

139	567257.26	4217079.1	4.69E-06	4.68E-06	9.37E-06	4.07E-06	4.14E-06	8.21E-06	4.92E-07	6.71E-07	1.16E-06	4.29E-07	4.13E-07	8.42E-07
140	567249.7	4217088.97	4.49E-06	4.48E-06	8.97E-06	3.90E-06	3.96E-06	7.86E-06	4.71E-07	6.42E-07	1.11E-06	4.10E-07	3.95E-07	8.05E-07
141	567236	4217099.73	4.24E-06	4.23E-06	8.47E-06	3.68E-06	3.74E-06	7.43E-06	4.45E-07	6.07E-07	1.05E-06	3.88E-07	3.74E-07	7.61E-07
142	567223.7	4217101.51	4.30E-06	4.29E-06	8.59E-06	3.73E-06	3.80E-06	7.53E-06	4.51E-07	6.15E-07	1.07E-06	3.93E-07	3.79E-07	7.72E-07
143	567211.4	4217103.3	4.30E-06	4.28E-06	8.58E-06	3.73E-06	3.79E-06	7.52E-06	4.51E-07	6.14E-07	1.07E-06	3.93E-07	3.78E-07	7.71E-07
144	567199.1	4217105.08	4.21E-06	4.20E-06	8.42E-06	3.66E-06	3.72E-06	7.37E-06	4.42E-07	6.03E-07	1.04E-06	3.85E-07	3.71E-07	7.56E-07
145	567149.9	4217112.2	2.89E-06	2.88E-06	5.78E-06	2.51E-06	2.55E-06	5.06E-06	3.03E-07	4.14E-07	7.17E-07	2.64E-07	2.55E-07	5.19E-07
146	567308.07	4217008.64	4.09E-06	4.07E-06	8.16E-06	3.54E-06	3.60E-06	7.15E-06	4.29E-07	5.84E-07	1.01E-06	3.73E-07	3.60E-07	7.33E-07
147	567312.18	4217022.57	3.91E-06	3.90E-06	7.81E-06	3.39E-06	3.45E-06	6.85E-06	4.10E-07	5.59E-07	9.70E-07	3.57E-07	3.44E-07	7.02E-07
148	567304.54	4217032.56	4.13E-06	4.12E-06	8.26E-06	3.59E-06	3.65E-06	7.23E-06	4.34E-07	5.91E-07	1.02E-06	3.78E-07	3.64E-07	7.42E-07
149	567296.89	4217042.55	4.31E-06	4.29E-06	8.60E-06	3.74E-06	3.80E-06	7.53E-06	4.52E-07	6.16E-07	1.07E-06	3.93E-07	3.79E-07	7.72E-07
150	567289.25	4217052.53	4.42E-06	4.40E-06	8.82E-06	3.83E-06	3.90E-06	7.73E-06	4.63E-07	6.32E-07	1.10E-06	4.04E-07	3.89E-07	7.93E-07
151	567281.61	4217062.52	4.47E-06	4.45E-06	8.92E-06	3.87E-06	3.94E-06	7.81E-06	4.68E-07	6.38E-07	1.11E-06	4.08E-07	3.93E-07	8.01E-07
152	567273.96	4217072.51	4.44E-06	4.43E-06	8.87E-06	3.85E-06	3.92E-06	7.77E-06	4.66E-07	6.35E-07	1.10E-06	4.06E-07	3.91E-07	7.97E-07
153	567266.32	4217082.5	4.34E-06	4.33E-06	8.67E-06	3.77E-06	3.83E-06	7.60E-06	4.56E-07	6.21E-07	1.08E-06	3.97E-07	3.82E-07	7.79E-07
154	567258.68	4217092.49	4.17E-06	4.15E-06	8.32E-06	3.61E-06	3.68E-06	7.29E-06	4.37E-07	5.96E-07	1.03E-06	3.81E-07	3.67E-07	7.47E-07
155	567251.03	4217102.47	3.91E-06	3.90E-06	7.81E-06	3.39E-06	3.45E-06	6.84E-06	4.10E-07	5.59E-07	9.69E-07	3.57E-07	3.44E-07	7.01E-07
156	567240.99	4217108.37	3.78E-06	3.77E-06	7.55E-06	3.28E-06	3.33E-06	6.61E-06	3.96E-07	5.40E-07	9.37E-07	3.45E-07	3.33E-07	6.78E-07
157	567228.54	4217110.17	3.80E-06	3.79E-06	7.59E-06	3.30E-06	3.35E-06	6.65E-06	3.98E-07	5.43E-07	9.42E-07	3.47E-07	3.34E-07	6.81E-07
158	567216.09	4217111.97	3.76E-06	3.75E-06	7.50E-06	3.26E-06	3.31E-06	6.57E-06	3.94E-07	5.37E-07	9.31E-07	3.43E-07	3.31E-07	6.74E-07
159	567166.31	4217119.18	2.83E-06	2.82E-06	5.64E-06	2.45E-06	2.49E-06	4.95E-06	2.96E-07	4.04E-07	7.01E-07	2.58E-07	2.49E-07	5.07E-07
160	567153.86	4217120.99	2.46E-06	2.45E-06	4.92E-06	2.14E-06	2.17E-06	4.31E-06	2.58E-07	3.52E-07	6.10E-07	2.25E-07	2.17E-07	4.42E-07
161	567141.41	4217122.79	2.12E-06	2.11E-06	4.22E-06	1.84E-06	1.87E-06	3.70E-06	2.22E-07	3.02E-07	5.24E-07	1.93E-07	1.86E-07	3.79E-07
162	567317.72	4217011.27	3.72E-06	3.71E-06	7.43E-06	3.23E-06	3.28E-06	6.51E-06	3.90E-07	5.32E-07	9.22E-07	3.40E-07	3.27E-07	6.67E-07
163	567321.79	4217025.26	3.58E-06	3.57E-06	7.16E-06	3.11E-06	3.16E-06	6.27E-06	3.76E-07	5.12E-07	8.88E-07	3.27E-07	3.16E-07	6.43E-07
164	567314.06	4217035.35	3.79E-06	3.78E-06	7.58E-06	3.29E-06	3.35E-06	6.64E-06	3.98E-07	5.42E-07	9.40E-07	3.47E-07	3.34E-07	6.81E-07
165	567306.34	4217045.44	3.96E-06	3.95E-06	7.91E-06	3.44E-06	3.49E-06	6.93E-06	4.15E-07	5.66E-07	9.81E-07	3.62E-07	3.49E-07	7.10E-07
166	567298.62	4217055.53	4.07E-06	4.06E-06	8.13E-06	3.53E-06	3.59E-06	7.13E-06	4.27E-07	5.82E-07	1.01E-06	3.72E-07	3.59E-07	7.31E-07
167	567290.89	4217065.63	4.13E-06	4.11E-06	8.24E-06	3.58E-06	3.64E-06	7.22E-06	4.33E-07	5.90E-07	1.02E-06	3.77E-07	3.63E-07	7.40E-07
168	567283.17	4217075.72	4.11E-06	4.10E-06	8.22E-06	3.57E-06	3.63E-06	7.20E-06	4.32E-07	5.88E-07	1.02E-06	3.76E-07	3.62E-07	7.38E-07
169	567275.44	4217085.81	4.03E-06	4.02E-06	8.05E-06	3.50E-06	3.56E-06	7.06E-06	4.23E-07	5.77E-07	1.00E-06	3.68E-07	3.55E-07	7.23E-07
170	567267.72	4217095.91	3.88E-06	3.87E-06	7.75E-06	3.37E-06	3.42E-06	6.79E-06	4.07E-07	5.55E-07	9.62E-07	3.55E-07	3.42E-07	6.96E-07
171	567260	4217106	3.66E-06	3.65E-06	7.30E-06	3.17E-06	3.23E-06	6.40E-06	3.84E-07	5.23E-07	9.06E-07	3.34E-07	3.22E-07	6.56E-07
172	567245.98	4217117	3.38E-06	3.37E-06	6.75E-06	2.93E-06	2.98E-06	5.91E-06	3.55E-07	4.83E-07	8.38E-07	3.09E-07	2.98E-07	6.06E-07
173	567233.41	4217118.82	3.37E-06	3.36E-06	6.72E-06	2.92E-06	2.97E-06	5.89E-06	3.53E-07	4.81E-07	8.35E-07	3.08E-07	2.96E-07	6.04E-07
174	567195.67	4217124.29	2.98E-06	2.97E-06	5.95E-06	2.58E-06	2.63E-06	5.21E-06	3.12E-07	4.26E-07	7.38E-07	2.72E-07	2.62E-07	5.34E-07
175	567170.52	4217127.93	2.43E-06	2.42E-06	4.85E-06	2.11E-06	2.14E-06	4.25E-06	2.55E-07	3.48E-07	6.03E-07	2.22E-07	2.14E-07	4.36E-07
176	567157.94	4217129.75	2.12E-06	2.12E-06	4.24E-06	1.84E-06	1.87E-06	3.72E-06	2.23E-07	3.04E-07	5.26E-07	1.94E-07	1.87E-07	3.81E-07
177	567145.36	4217131.58	1.83E-06	1.83E-06	3.66E-06	1.59E-06	1.62E-06	3.20E-06	1.92E-07	2.62E-07	4.54E-07	1.67E-07	1.61E-07	3.29E-07
178	567327.37	4217013.9	3.40E-06	3.39E-06	6.79E-06	2.95E-06	3.00E-06	5.95E-06	3.57E-07	4.86E-07	8.42E-07	3.11E-07	2.99E-07	6.10E-07
179	567331.4	4217027.93	3.29E-06	3.28E-06	6.57E-06	2.85E-06	2.90E-06	5.76E-06	3.45E-07	4.70E-07	8.16E-07	3.01E-07	2.90E-07	5.90E-07
180	567323.6	4217038.12	3.49E-06	3.48E-06	6.97E-06	3.03E-06	3.08E-06	6.11E-06	3.66E-07	4.99E-07	8.65E-07	3.19E-07	3.07E-07	6.26E-07
181	567315.81	4217048.31	3.65E-06	3.64E-06	7.29E-06	3.17E-06	3.22E-06	6.39E-06	3.83E-07	5.22E-07	9.05E-07	3.33E-07	3.21E-07	6.55E-07
182	567308.01	4217058.5	3.76E-06	3.75E-06	7.52E-06	3.27E-06	3.32E-06	6.59E-06	3.95E-07	5.38E-07	9.33E-07	3.44E-07	3.31E-07	6.75E-07
183	567300.21	4217068.68	3.82E-06	3.81E-06	7.63E-06	3.32E-06	3.37E-06	6.69E-06	4.01E-07	5.46E-07	9.47E-07	3.49E-07	3.36E-07	6.86E-07
184	567292.42	4217078.87	3.82E-06	3.81E-06	7.63E-06	3.32E-06	3.37E-06	6.69E-06	4.01E-07	5.46E-07	9.47E-07	3.49E-07	3.36E-07	6.85E-07
185	567284.62	4217089.06	3.76E-06	3.74E-06	7.50E-06	3.26E-06	3.31E-06	6.57E-06	3.94E-07	5.37E-07	9.31E-07	3.43E-07	3.31E-07	6.74E-07
186	567276.83	4217099.25	3.63E-06	3.62E-06	7.24E-06	3.15E-06	3.20E-06	6.35E-06	3.80E-07	5.18E-07	8.99E-07	3.31E-07	3.19E-07	6.51E-07
187	567212.9	4217131.15	2.78E-06	2.77E-06	5.56E-06	2.41E-06	2.45E-06	4.87E-06	2.92E-07	3.98E-07	6.90E-07	2.54E-07	2.45E-07	4.99E-07
188	567200.2	4217132.99	2.60E-06	2.59E-06	5.19E-06	2.25E-06	2.29E-06	4.55E-06	2.73E-07	3.71E-07	6.44E-07	2.37E-07	2.29E-07	4.66E-07
189	567174.81	4217136.67	2.11E-06	2.11E-06	4.22E-06	1.83E-06	1.86E-06	3.70E-06	2.22E-07	3.02E-07	5.24E-07	1.93E-07	1.86E-07	3.79E-07
190	567162.12	4217138.51	1.85E-06	1.85E-06	3.70E-06	1.61E-06	1.63E-06	3.24E-06	1.94E-07	2.65E-07	4.59E-07	1.69E-07	1.63E-07	3.32E-07
191	567149.42	4217140.35	1.60E-06	1.60E-06	3.20E-06	1.39E-06	1.41E-06	2.81E-06	1.68E-07	2.29E-07	3.97E-07	1.46E-07	1.41E-07	2.88E-07
192	567136.72	4217142.18	1.39E-06	1.38E-06	2.77E-06	1.21E-06	1.23E-06	2.43E-06	1.46E-07	1.99E-07	3.44E-07	1.27E-07	1.22E-07	2.49E-07
193	567337.02	4217016.54	3.12E-06	3.11E-06	6.22E-06	2.70E-06	2.75E-06	5.45E-06	3.27E-07	4.45E-07	7.72E-07	2.85E-07	2.74E-07	5.59E-07
194	567341.01	4217030.61	3.03E-06	3.02E-06	6.05E-06	2.63E-06	2.67E-06	5.30E-06	3.18E-07	4.33E-07	7.50E-07	2.77E-07	2.67E-07	5.43E-07
195	567333.15	4217040.88	3.22E-06	3.21E-06	6.43E-06	2.79E-06	2.84E-06	5.63E-06	3.37E-07	4.60E-07	7.97E-07	2.94E-07	2.83E-07	5.77E-07
196	567325.29	4217051.16	3.37E-06	3.36E-06	6.73E-06	2.93E-06	2.98E-06	5.90E-06	3.54E-07	4.82E-07	8.36E-07	3.08E-07	2.97E-07	6.05E-07
197	567317.43	4217061.43	3.49E-06	3.47E-06	6.96E-06	3.02E-06	3.07E-06	6.10E-06	3.66E-07	4.98E-07	8.64E-07	3.18E-07	3.07E-07	6.25E-07
198	567309.57	4217071.7	3.55E-06	3.54E-06	7.09E-06	3.08E-06	3.13E-06	6.21E-06	3.72E-07	5.07E-07	8.80E-07	3.24E-07	3.12E-07	6.37E-07
199	567301.7	4217081.97	3.56E-06	3.55E-06	7.10E-06	3.09E-06	3.14E-06	6.22E-06	3.73E-07	5.09E-07	8.82E-07	3.25E-07	3.13E-07	6.38E-07
200	567293.84	4217092.25	3.51E-06	3.50E-06	7.00E-06	3.04E-06	3.09E-06	6.14E-06	3.68E-07	5.01E-07	8.69E-07	3.20E-07	3.09E-07	6.29E-07
201	567285.98	4217102.52	3.40E-06	3.39E-06	6.79E-06	2.95E-06	3.00E-06	5.95E-06	3.56E-07	4.86E-07	8.42E-07	3.10E-07	2.99E-07	6.09E-07
202	567278.12	4217112.79	3.23E-06	3.22E-06	6.45E-06	2.80E-06	2.85E-06	5.65E-06	3.39E-07	4.62E-07	8.00E-07	2.95E-07	2.84E-07	5.79E-07
203	567243.19	4217136.12	2.68E-06	2.67E-06	5.35E-06	2.33E-06	2.37E-06	4.69E-06	2.81E-07	3.83E-07	6.65E-07	2.45E-07	2.36E-07	4.81E-07
204	567230.39	4217137.98	2.59E-06	2.58E-06	5.17E-06	2.25E-06	2.29E-06	4.53E-06	2.72E-07	3.70E-07	6.42E-07	2.37E-07	2.28E-07	4.65E-07
205	567217.59	4217139.83	2.46E-06	2.45E-06	4.91E-06	2.13E-06	2.17E-06	4.30E-06	2.58E-07	3.51E-07	6.09E-07	2.25E-07	2.16E-07	4.41E-07
206	567204.78	4217141.68	2.29E-06	2.28E-06	4.56E-06	1.98E-06	2.02E-06	4.00E-06	2.40E-07	3.27E-07	5.66E-07	2.09E-07	2.01E-07	4.10E-07
207	567166.38	4217147.25	1.63E-06	1.62E-06	3.25E-06	1.41E-06	1.44E-06	2.85E-06	1.71E-07	2.33E-07	4.04E-07	1.49E-07	1.43E-07	2.92E-07
208	567153.57	4217149.1	1.42E-06	1.41E-06	2.83E-06	1.23E-06	1.25E-06	2.48E-06	1.49E-07	2.03E-07	3.51E-07	1.29E-07	1.25E-07	2.54E-07
209	567140.77	4217150.96	1.23E-06	1.23E-06	2.46E-06	1.07E-06	1.09E-06	2.16E-06	1.29E-07	1.76E-07	3.06E-07	1.13E-07	1.09E-07	2.21E-07

210	567346.66	4217019.17	2.86E-06	2.86E-06	5.72E-06	2.49E-06	2.53E-06	5.01E-06	3.00E-07	4.09E-07	7.10E-07	2.62E-07	2.52E-07	5.14E-07
211	567350.63	4217033.28	2.79E-06	2.78E-06	5.58E-06	2.42E-06	2.46E-06	4.89E-06	2.93E-07	3.99E-07	6.92E-07	2.55E-07	2.46E-07	5.01E-07
212	567342.71	4217043.63	2.97E-06	2.96E-06	5.94E-06	2.58E-06	2.62E-06	5.20E-06	3.12E-07	4.25E-07	7.37E-07	2.72E-07	2.62E-07	5.33E-07
213	567334.79	4217053.98	3.12E-06	3.11E-06	6.23E-06	2.71E-06	2.75E-06	5.46E-06	3.27E-07	4.46E-07	7.74E-07	2.85E-07	2.75E-07	5.60E-07
214	567326.87	4217064.33	3.23E-06	3.22E-06	6.46E-06	2.81E-06	2.85E-06	5.66E-06	3.39E-07	4.62E-07	8.02E-07	2.95E-07	2.85E-07	5.80E-07
215	567318.95	4217074.68	3.30E-06	3.29E-06	6.59E-06	2.87E-06	2.91E-06	5.78E-06	3.46E-07	4.72E-07	8.18E-07	3.02E-07	2.91E-07	5.92E-07
216	567311.02	4217085.03	3.32E-06	3.31E-06	6.63E-06	2.88E-06	2.93E-06	5.81E-06	3.48E-07	4.74E-07	8.23E-07	3.03E-07	2.92E-07	5.95E-07
217	567303.1	4217095.39	3.28E-06	3.27E-06	6.55E-06	2.85E-06	2.90E-06	5.74E-06	3.44E-07	4.69E-07	8.13E-07	3.00E-07	2.89E-07	5.89E-07
218	567295.18	4217105.74	3.19E-06	3.18E-06	6.37E-06	2.77E-06	2.81E-06	5.58E-06	3.35E-07	4.56E-07	7.91E-07	2.91E-07	2.81E-07	5.72E-07
219	567287.26	4217116.09	3.04E-06	3.03E-06	6.08E-06	2.64E-06	2.68E-06	5.32E-06	3.19E-07	4.35E-07	7.54E-07	2.78E-07	2.68E-07	5.46E-07
220	567279.34	4217126.44	2.85E-06	2.84E-06	5.69E-06	2.47E-06	2.51E-06	4.98E-06	2.99E-07	4.07E-07	7.06E-07	2.60E-07	2.51E-07	5.11E-07
221	567248.11	4217144.77	2.41E-06	2.40E-06	4.81E-06	2.09E-06	2.12E-06	4.21E-06	2.53E-07	3.44E-07	5.97E-07	2.20E-07	2.12E-07	4.32E-07
222	567235.21	4217146.64	2.31E-06	2.31E-06	4.62E-06	2.01E-06	2.04E-06	4.05E-06	2.43E-07	3.31E-07	5.73E-07	2.11E-07	2.04E-07	4.15E-07
223	567222.31	4217148.5	2.18E-06	2.18E-06	4.36E-06	1.90E-06	1.93E-06	3.82E-06	2.29E-07	3.12E-07	5.41E-07	2.00E-07	1.92E-07	3.92E-07
224	567209.41	4217150.37	2.02E-06	2.02E-06	4.04E-06	1.76E-06	1.79E-06	3.54E-06	2.12E-07	2.89E-07	5.02E-07	1.85E-07	1.78E-07	3.63E-07
225	567196.51	4217152.24	1.84E-06	1.83E-06	3.67E-06	1.60E-06	1.62E-06	3.22E-06	1.93E-07	2.63E-07	4.56E-07	1.68E-07	1.62E-07	3.30E-07
226	567170.71	4217155.98	1.44E-06	1.44E-06	2.88E-06	1.25E-06	1.27E-06	2.53E-06	1.52E-07	2.07E-07	3.58E-07	1.32E-07	1.27E-07	2.59E-07
227	567157.81	4217157.84	1.26E-06	1.26E-06	2.52E-06	1.10E-06	1.11E-06	2.21E-06	1.32E-07	1.80E-07	3.13E-07	1.15E-07	1.11E-07	2.26E-07
228	567144.91	4217159.71	1.10E-06	1.10E-06	2.20E-06	9.58E-07	9.74E-07	1.93E-06	1.16E-07	1.58E-07	2.74E-07	1.01E-07	9.72E-08	1.98E-07
229	567132.01	4217161.58	9.74E-07	9.71E-07	1.95E-06	8.45E-07	8.59E-07	1.70E-06	1.02E-07	1.39E-07	2.41E-07	8.90E-08	8.58E-08	1.75E-07
230	567356.31	4217021.8	2.64E-06	2.63E-06	5.27E-06	2.29E-06	2.33E-06	4.62E-06	2.77E-07	3.77E-07	6.54E-07	2.41E-07	2.32E-07	4.74E-07
231	567360.42	4217035.73	2.58E-06	2.57E-06	5.15E-06	2.24E-06	2.28E-06	4.51E-06	2.71E-07	3.69E-07	6.39E-07	2.36E-07	2.27E-07	4.63E-07
232	567352.77	4217045.72	2.74E-06	2.73E-06	5.48E-06	2.38E-06	2.42E-06	4.80E-06	2.88E-07	3.92E-07	6.80E-07	2.51E-07	2.41E-07	4.92E-07
233	567345.13	4217055.71	2.88E-06	2.87E-06	5.76E-06	2.50E-06	2.54E-06	5.04E-06	3.02E-07	4.12E-07	7.14E-07	2.63E-07	2.54E-07	5.17E-07
234	567337.49	4217065.69	2.99E-06	2.98E-06	5.98E-06	2.60E-06	2.64E-06	5.24E-06	3.14E-07	4.28E-07	7.42E-07	2.73E-07	2.64E-07	5.37E-07
235	567329.84	4217075.68	3.07E-06	3.06E-06	6.13E-06	2.66E-06	2.71E-06	5.37E-06	3.22E-07	4.39E-07	7.61E-07	2.80E-07	2.70E-07	5.50E-07
236	567322.2	4217085.67	3.10E-06	3.09E-06	6.19E-06	2.69E-06	2.74E-06	5.43E-06	3.25E-07	4.43E-07	7.69E-07	2.83E-07	2.73E-07	5.56E-07
237	567314.56	4217095.66	3.09E-06	3.08E-06	6.17E-06	2.68E-06	2.72E-06	5.40E-06	3.24E-07	4.41E-07	7.65E-07	2.82E-07	2.72E-07	5.54E-07
238	567306.91	4217105.64	3.03E-06	3.02E-06	6.05E-06	2.63E-06	2.67E-06	5.30E-06	3.18E-07	4.33E-07	7.51E-07	2.77E-07	2.67E-07	5.43E-07
239	567299.27	4217115.63	2.92E-06	2.92E-06	5.84E-06	2.54E-06	2.58E-06	5.12E-06	3.07E-07	4.18E-07	7.25E-07	2.67E-07	2.57E-07	5.25E-07
240	567291.63	4217125.62	2.78E-06	2.77E-06	5.54E-06	2.41E-06	2.45E-06	4.86E-06	2.91E-07	3.97E-07	6.88E-07	2.54E-07	2.44E-07	4.98E-07
241	567276.34	4217145.6	2.37E-06	2.36E-06	4.74E-06	2.06E-06	2.09E-06	4.15E-06	2.49E-07	3.39E-07	5.88E-07	2.17E-07	2.09E-07	4.25E-07
242	567266.3	4217151.49	2.24E-06	2.23E-06	4.47E-06	1.94E-06	1.97E-06	3.91E-06	2.35E-07	3.20E-07	5.54E-07	2.04E-07	1.97E-07	4.01E-07
243	567253.85	4217153.29	2.18E-06	2.17E-06	4.34E-06	1.89E-06	1.92E-06	3.81E-06	2.28E-07	3.11E-07	5.39E-07	1.99E-07	1.91E-07	3.90E-07
244	567241.4	4217155.1	2.09E-06	2.08E-06	4.17E-06	1.81E-06	1.84E-06	3.65E-06	2.19E-07	2.98E-07	5.17E-07	1.91E-07	1.84E-07	3.74E-07
245	567228.96	4217156.9	1.97E-06	1.97E-06	3.94E-06	1.71E-06	1.74E-06	3.45E-06	2.07E-07	2.82E-07	4.89E-07	1.80E-07	1.74E-07	3.54E-07
246	567216.51	4217158.7	1.83E-06	1.83E-06	3.66E-06	1.59E-06	1.62E-06	3.21E-06	1.92E-07	2.62E-07	4.54E-07	1.67E-07	1.61E-07	3.29E-07
247	567204.06	4217160.5	1.68E-06	1.67E-06	3.35E-06	1.45E-06	1.48E-06	2.93E-06	1.76E-07	2.40E-07	4.16E-07	1.53E-07	1.48E-07	3.01E-07
248	567166.72	4217165.91	1.19E-06	1.18E-06	2.37E-06	1.03E-06	1.05E-06	2.08E-06	1.24E-07	1.70E-07	2.94E-07	1.08E-07	1.04E-07	2.13E-07
249	567154.27	4217167.71	1.05E-06	1.04E-06	2.09E-06	9.08E-07	9.23E-07	1.83E-06	1.10E-07	1.50E-07	2.59E-07	9.56E-08	9.21E-08	1.88E-07
250	567141.83	4217169.52	9.28E-07	9.25E-07	1.85E-06	8.05E-07	8.19E-07	1.62E-06	9.73E-08	1.33E-07	2.30E-07	8.48E-08	8.17E-08	1.66E-07
251	567129.38	4217171.32	8.32E-07	8.30E-07	1.66E-06	7.22E-07	7.34E-07	1.46E-06	8.73E-08	1.19E-07	2.06E-07	7.60E-08	7.33E-08	1.49E-07
252	567365.96	4217024.43	2.44E-06	2.43E-06	4.87E-06	2.12E-06	2.15E-06	4.27E-06	2.56E-07	3.49E-07	6.05E-07	2.23E-07	2.15E-07	4.38E-07
253	567370.03	4217038.4	2.39E-06	2.38E-06	4.78E-06	2.08E-06	2.11E-06	4.18E-06	2.51E-07	3.42E-07	5.93E-07	2.18E-07	2.11E-07	4.29E-07
254	567362.33	4217048.47	2.55E-06	2.54E-06	5.08E-06	2.21E-06	2.25E-06	4.45E-06	2.67E-07	3.64E-07	6.31E-07	2.32E-07	2.24E-07	4.57E-07
255	567354.63	4217058.54	2.68E-06	2.67E-06	5.35E-06	2.32E-06	2.36E-06	4.69E-06	2.81E-07	3.83E-07	6.64E-07	2.45E-07	2.36E-07	4.81E-07
256	567346.92	4217068.61	2.79E-06	2.78E-06	5.57E-06	2.42E-06	2.46E-06	4.88E-06	2.93E-07	3.99E-07	6.91E-07	2.55E-07	2.45E-07	5.00E-07
257	567339.22	4217078.67	2.86E-06	2.86E-06	5.72E-06	2.49E-06	2.53E-06	5.01E-06	3.00E-07	4.09E-07	7.10E-07	2.62E-07	2.52E-07	5.14E-07
258	567331.51	4217088.74	2.90E-06	2.89E-06	5.79E-06	2.52E-06	2.56E-06	5.08E-06	3.04E-07	4.15E-07	7.19E-07	2.65E-07	2.55E-07	5.20E-07
259	567323.81	4217098.81	2.90E-06	2.89E-06	5.78E-06	2.51E-06	2.56E-06	5.07E-06	3.04E-07	4.14E-07	7.18E-07	2.65E-07	2.55E-07	5.20E-07
260	567316.1	4217108.88	2.85E-06	2.84E-06	5.69E-06	2.47E-06	2.51E-06	4.99E-06	2.99E-07	4.07E-07	7.06E-07	2.60E-07	2.51E-07	5.11E-07
261	567308.4	4217118.94	2.76E-06	2.75E-06	5.51E-06	2.40E-06	2.44E-06	4.83E-06	2.90E-07	3.95E-07	6.84E-07	2.52E-07	2.43E-07	4.95E-07
262	567300.69	4217129.01	2.63E-06	2.62E-06	5.25E-06	2.28E-06	2.32E-06	4.60E-06	2.76E-07	3.76E-07	6.52E-07	2.40E-07	2.32E-07	4.72E-07
263	567285.29	4217149.15	2.27E-06	2.26E-06	4.53E-06	1.97E-06	2.00E-06	3.97E-06	2.38E-07	3.24E-07	5.62E-07	2.07E-07	2.00E-07	4.07E-07
264	567271.31	4217160.12	2.03E-06	2.03E-06	4.06E-06	1.76E-06	1.79E-06	3.56E-06	2.13E-07	2.91E-07	5.04E-07	1.86E-07	1.79E-07	3.65E-07
265	567246.21	4217163.76	1.88E-06	1.87E-06	3.76E-06	1.63E-06	1.66E-06	3.29E-06	1.97E-07	2.69E-07	4.66E-07	1.72E-07	1.66E-07	3.37E-07
266	567233.67	4217165.57	1.77E-06	1.77E-06	3.54E-06	1.54E-06	1.56E-06	3.10E-06	1.86E-07	2.53E-07	4.39E-07	1.62E-07	1.56E-07	3.18E-07
267	567221.12	4217167.39	1.64E-06	1.64E-06	3.28E-06	1.43E-06	1.45E-06	2.87E-06	1.72E-07	2.35E-07	4.07E-07	1.50E-07	1.45E-07	2.95E-07
268	567208.58	4217169.21	1.50E-06	1.50E-06	3.00E-06	1.30E-06	1.32E-06	2.63E-06	1.57E-07	2.14E-07	3.72E-07	1.37E-07	1.32E-07	2.69E-07
269	567196.03	4217171.03	1.35E-06	1.35E-06	2.70E-06	1.17E-06	1.19E-06	2.37E-06	1.42E-07	1.93E-07	3.35E-07	1.23E-07	1.19E-07	2.42E-07
270	567170.94	4217174.66	1.07E-06	1.06E-06	2.13E-06	9.26E-07	9.42E-07	1.87E-06	1.12E-07	1.53E-07	2.65E-07	9.75E-08	9.40E-08	1.91E-07
271	567158.39	4217176.48	9.45E-07	9.42E-07	1.89E-06	8.20E-07	8.34E-07	1.65E-06	9.91E-08	1.35E-07	2.34E-07	8.63E-08	8.32E-08	1.70E-07
272	567145.84	4217178.29	8.42E-07	8.39E-07	1.68E-06	7.30E-07	7.42E-07	1.47E-06	8.83E-08	1.20E-07	2.09E-07	7.69E-08	7.41E-08	1.51E-07
273	567133.3	4217180.11	7.57E-07	7.55E-07	1.51E-06	6.57E-07	6.68E-07	1.32E-06	7.94E-08	1.08E-07	1.88E-07	6.92E-08	6.67E-08	1.36E-07
274	567375.61	4217027.06	2.26E-06	2.25E-06	4.51E-06	1.96E-06	1.99E-06	3.95E-06	2.37E-07	3.23E-07	5.60E-07	2.06E-07	1.99E-07	4.05E-07
275	567379.65	4217041.07	2.22E-06	2.21E-06	4.43E-06	1.92E-06	1.96E-06	3.88E-06	2.33E-07	3.17E-07	5.50E-07	2.03E-07	1.95E-07	3.98E-07
276	567371.89	4217051.21	2.37E-06	2.36E-06	4.73E-06	2.05E-06	2.09E-06	4.14E-06	2.48E-07	3.38E-07	5.87E-07	2.16E-07	2.08E-07	4.25E-07
277	567364.13	4217061.35	2.50E-06	2.49E-06	4.98E-06	2.17E-06	2.20E-06	4.37E-06	2.62E-07	3.57E-07	6.19E-07	2.28E-07	2.20E-07	4.48E-07
278	567356.37	4217071.5	2.60E-06	2.59E-06	5.20E-06	2.26E-06	2.30E-06	4.55E-06	2.73E-07	3.72E-07	6.45E-07	2.38E-07	2.29E-07	4.67E-07
279	567348.61	4217081.64	2.68E-06	2.67E-06	5.35E-06	2.32E-06	2.36E-06	4.69E-06	2.81E-07	3.83E-07	6.64E-07	2.45E-07	2.36E-07	4.80E-07
280	567340.85	4217091.78	2.72E-06	2.71E-06	5.43E-06	2.36E-06	2.40E-06	4.76E-06	2.85E-07	3.89E-07	6.74E-07	2.48E-07	2.39E-07	4.88E-07

281	567333.09	4217101.92	2.72E-06	2.71E-06	5.44E-06	2.36E-06	2.40E-06	4.76E-06	2.85E-07	3.89E-07	6.75E-07	2.49E-07	2.40E-07	4.88E-07
282	567325.33	4217112.06	2.69E-06	2.68E-06	5.36E-06	2.33E-06	2.37E-06	4.70E-06	2.82E-07	3.84E-07	6.66E-07	2.45E-07	2.36E-07	4.82E-07
283	567317.57	4217122.2	2.61E-06	2.60E-06	5.21E-06	2.26E-06	2.30E-06	4.57E-06	2.74E-07	3.73E-07	6.47E-07	2.38E-07	2.30E-07	4.68E-07
284	567309.81	4217132.34	2.50E-06	2.49E-06	4.98E-06	2.17E-06	2.20E-06	4.37E-06	2.62E-07	3.57E-07	6.19E-07	2.28E-07	2.20E-07	4.48E-07
285	567294.28	4217152.63	2.17E-06	2.17E-06	4.34E-06	1.88E-06	1.92E-06	3.80E-06	2.28E-07	3.11E-07	5.38E-07	1.98E-07	1.91E-07	3.90E-07
286	567286.52	4217162.77	1.98E-06	1.97E-06	3.95E-06	1.72E-06	1.75E-06	3.46E-06	2.08E-07	2.83E-07	4.91E-07	1.81E-07	1.74E-07	3.55E-07
287	567276.32	4217168.75	1.85E-06	1.85E-06	3.70E-06	1.61E-06	1.63E-06	3.24E-06	1.94E-07	2.65E-07	4.59E-07	1.69E-07	1.63E-07	3.32E-07
288	567251.05	4217172.41	1.70E-06	1.70E-06	3.40E-06	1.48E-06	1.50E-06	2.98E-06	1.79E-07	2.43E-07	4.22E-07	1.55E-07	1.50E-07	3.05E-07
289	567238.41	4217174.24	1.60E-06	1.59E-06	3.19E-06	1.39E-06	1.41E-06	2.80E-06	1.68E-07	2.28E-07	3.96E-07	1.46E-07	1.41E-07	2.87E-07
290	567225.77	4217176.08	1.48E-06	1.47E-06	2.95E-06	1.28E-06	1.30E-06	2.59E-06	1.55E-07	2.11E-07	3.67E-07	1.35E-07	1.30E-07	2.65E-07
291	567213.13	4217177.91	1.35E-06	1.35E-06	2.70E-06	1.17E-06	1.19E-06	2.36E-06	1.42E-07	1.93E-07	3.35E-07	1.23E-07	1.19E-07	2.42E-07
292	567200.49	4217179.74	1.22E-06	1.21E-06	2.43E-06	1.06E-06	1.07E-06	2.13E-06	1.28E-07	1.74E-07	3.02E-07	1.11E-07	1.07E-07	2.18E-07
293	567175.22	4217183.4	9.66E-07	9.63E-07	1.93E-06	8.38E-07	8.52E-07	1.69E-06	1.01E-07	1.38E-07	2.39E-07	8.82E-08	8.50E-08	1.73E-07
294	567162.58	4217185.23	8.58E-07	8.56E-07	1.71E-06	7.45E-07	7.57E-07	1.50E-06	9.00E-08	1.23E-07	2.13E-07	7.84E-08	7.56E-08	1.54E-07
295	567149.94	4217187.06	7.67E-07	7.64E-07	1.53E-06	6.65E-07	6.77E-07	1.34E-06	8.04E-08	1.10E-07	1.90E-07	7.00E-08	6.75E-08	1.38E-07
296	567137.3	4217188.89	6.92E-07	6.90E-07	1.38E-06	6.01E-07	6.11E-07	1.21E-06	7.26E-08	9.90E-08	1.72E-07	6.33E-08	6.10E-08	1.24E-07
297	567124.66	4217190.72	6.34E-07	6.32E-07	1.27E-06	5.50E-07	5.59E-07	1.11E-06	6.65E-08	9.07E-08	1.57E-07	5.79E-08	5.58E-08	1.14E-07
298	567385.25	4217029.7	2.09E-06	2.09E-06	4.18E-06	1.82E-06	1.85E-06	3.66E-06	2.20E-07	2.99E-07	5.19E-07	1.91E-07	1.84E-07	3.76E-07
299	567389.28	4217043.74	2.06E-06	2.06E-06	4.12E-06	1.79E-06	1.82E-06	3.61E-06	2.17E-07	2.95E-07	5.12E-07	1.89E-07	1.82E-07	3.70E-07
300	567381.46	4217053.95	2.20E-06	2.19E-06	4.40E-06	1.91E-06	1.94E-06	3.85E-06	2.31E-07	3.15E-07	5.45E-07	2.01E-07	1.94E-07	3.95E-07
301	567373.65	4217064.16	2.33E-06	2.32E-06	4.65E-06	2.02E-06	2.05E-06	4.07E-06	2.44E-07	3.33E-07	5.77E-07	2.13E-07	2.05E-07	4.18E-07
302	567365.84	4217074.37	2.43E-06	2.42E-06	4.86E-06	2.11E-06	2.15E-06	4.25E-06	2.55E-07	3.48E-07	6.03E-07	2.22E-07	2.14E-07	4.36E-07
303	567358.02	4217084.58	2.51E-06	2.50E-06	5.01E-06	2.18E-06	2.21E-06	4.39E-06	2.63E-07	3.58E-07	6.22E-07	2.29E-07	2.21E-07	4.50E-07
304	567350.21	4217094.79	2.55E-06	2.54E-06	5.10E-06	2.21E-06	2.25E-06	4.47E-06	2.68E-07	3.65E-07	6.32E-07	2.33E-07	2.25E-07	4.58E-07
305	567342.4	4217104.99	2.56E-06	2.55E-06	5.11E-06	2.22E-06	2.26E-06	4.48E-06	2.69E-07	3.66E-07	6.35E-07	2.34E-07	2.25E-07	4.59E-07
306	567334.58	4217115.2	2.53E-06	2.53E-06	5.06E-06	2.20E-06	2.24E-06	4.43E-06	2.66E-07	3.62E-07	6.28E-07	2.31E-07	2.23E-07	4.55E-07
307	567326.77	4217125.41	2.47E-06	2.46E-06	4.93E-06	2.14E-06	2.18E-06	4.32E-06	2.59E-07	3.53E-07	6.12E-07	2.26E-07	2.17E-07	4.43E-07
308	567318.96	4217135.62	2.37E-06	2.36E-06	4.74E-06	2.06E-06	2.09E-06	4.15E-06	2.49E-07	3.39E-07	5.88E-07	2.17E-07	2.09E-07	4.25E-07
309	567303.33	4217156.04	2.08E-06	2.08E-06	4.16E-06	1.81E-06	1.84E-06	3.65E-06	2.19E-07	2.98E-07	5.16E-07	1.90E-07	1.83E-07	3.74E-07
310	567295.52	4217166.25	1.91E-06	1.90E-06	3.81E-06	1.66E-06	1.68E-06	3.34E-06	2.00E-07	2.73E-07	4.73E-07	1.74E-07	1.68E-07	3.42E-07
311	567281.34	4217177.38	1.69E-06	1.69E-06	3.38E-06	1.47E-06	1.49E-06	2.96E-06	1.78E-07	2.42E-07	4.20E-07	1.55E-07	1.49E-07	3.04E-07
312	567268.62	4217179.23	1.63E-06	1.62E-06	3.25E-06	1.41E-06	1.44E-06	2.85E-06	1.71E-07	2.33E-07	4.04E-07	1.49E-07	1.43E-07	2.92E-07
313	567243.17	4217182.91	1.45E-06	1.44E-06	2.89E-06	1.26E-06	1.28E-06	2.53E-06	1.52E-07	2.07E-07	3.59E-07	1.32E-07	1.27E-07	2.60E-07
314	567230.45	4217184.76	1.34E-06	1.33E-06	2.67E-06	1.16E-06	1.18E-06	2.34E-06	1.40E-07	1.91E-07	3.32E-07	1.22E-07	1.18E-07	2.40E-07
315	567217.72	4217186.6	1.22E-06	1.22E-06	2.44E-06	1.06E-06	1.08E-06	2.14E-06	1.28E-07	1.75E-07	3.03E-07	1.12E-07	1.08E-07	2.19E-07
316	567205	4217188.44	1.10E-06	1.10E-06	2.20E-06	9.56E-07	9.72E-07	1.93E-06	1.16E-07	1.58E-07	2.73E-07	1.01E-07	9.70E-08	1.98E-07
317	567192.28	4217190.28	9.86E-07	9.83E-07	1.97E-06	8.56E-07	8.70E-07	1.73E-06	1.03E-07	1.41E-07	2.44E-07	9.01E-08	8.68E-08	1.77E-07
318	567166.83	4217193.97	7.83E-07	7.81E-07	1.56E-06	6.80E-07	6.91E-07	1.37E-06	8.22E-08	1.12E-07	1.94E-07	7.16E-08	6.90E-08	1.41E-07
319	567154.11	4217195.81	7.02E-07	7.00E-07	1.40E-06	6.09E-07	6.20E-07	1.23E-06	7.37E-08	1.00E-07	1.74E-07	6.42E-08	6.18E-08	1.26E-07
320	567141.38	4217197.65	6.36E-07	6.34E-07	1.27E-06	5.52E-07	5.61E-07	1.11E-06	6.67E-08	9.09E-08	1.58E-07	5.81E-08	5.60E-08	1.14E-07
321	567128.66	4217199.5	5.84E-07	5.82E-07	1.17E-06	5.07E-07	5.15E-07	1.02E-06	6.13E-08	8.35E-08	1.45E-07	5.34E-08	5.14E-08	1.05E-07
322	567394.9	4217032.33	1.95E-06	1.94E-06	3.89E-06	1.69E-06	1.72E-06	3.41E-06	2.04E-07	2.79E-07	4.83E-07	1.78E-07	1.72E-07	3.50E-07
323	567398.9	4217046.4	1.93E-06	1.92E-06	3.85E-06	1.67E-06	1.70E-06	3.37E-06	2.02E-07	2.75E-07	4.77E-07	1.76E-07	1.70E-07	3.45E-07
324	567391.04	4217056.67	2.05E-06	2.05E-06	4.10E-06	1.78E-06	1.81E-06	3.59E-06	2.15E-07	2.94E-07	5.09E-07	1.88E-07	1.81E-07	3.68E-07
325	567383.17	4217066.95	2.18E-06	2.17E-06	4.35E-06	1.89E-06	1.92E-06	3.81E-06	2.28E-07	3.11E-07	5.40E-07	1.99E-07	1.92E-07	3.90E-07
326	567375.31	4217077.22	2.28E-06	2.27E-06	4.55E-06	1.97E-06	2.01E-06	3.98E-06	2.39E-07	3.25E-07	5.64E-07	2.08E-07	2.00E-07	4.08E-07
327	567367.45	4217087.49	2.35E-06	2.34E-06	4.70E-06	2.04E-06	2.07E-06	4.11E-06	2.47E-07	3.36E-07	5.83E-07	2.15E-07	2.07E-07	4.22E-07
328	567359.59	4217097.77	2.40E-06	2.39E-06	4.79E-06	2.08E-06	2.12E-06	4.20E-06	2.52E-07	3.43E-07	5.94E-07	2.19E-07	2.11E-07	4.30E-07
329	567351.73	4217108.04	2.41E-06	2.41E-06	4.82E-06	2.09E-06	2.13E-06	4.22E-06	2.53E-07	3.45E-07	5.98E-07	2.20E-07	2.12E-07	4.33E-07
330	567343.87	4217118.31	2.39E-06	2.39E-06	4.78E-06	2.08E-06	2.11E-06	4.19E-06	2.51E-07	3.42E-07	5.93E-07	2.19E-07	2.11E-07	4.29E-07
331	567336	4217128.59	2.34E-06	2.33E-06	4.68E-06	2.03E-06	2.07E-06	4.10E-06	2.46E-07	3.35E-07	5.80E-07	2.14E-07	2.06E-07	4.20E-07
332	567328.14	4217138.86	2.26E-06	2.25E-06	4.50E-06	1.96E-06	1.99E-06	3.95E-06	2.37E-07	3.22E-07	5.59E-07	2.06E-07	1.99E-07	4.05E-07
333	567312.42	4217159.4	2.00E-06	1.99E-06	3.99E-06	1.73E-06	1.76E-06	3.50E-06	2.10E-07	2.86E-07	4.96E-07	1.83E-07	1.76E-07	3.59E-07
334	567304.56	4217169.68	1.84E-06	1.83E-06	3.68E-06	1.60E-06	1.62E-06	3.22E-06	1.93E-07	2.63E-07	4.56E-07	1.68E-07	1.62E-07	3.30E-07
335	567296.7	4217179.95	1.67E-06	1.66E-06	3.33E-06	1.45E-06	1.47E-06	2.92E-06	1.75E-07	2.38E-07	4.13E-07	1.52E-07	1.47E-07	2.99E-07
336	567286.36	4217186.01	1.55E-06	1.55E-06	3.10E-06	1.35E-06	1.37E-06	2.72E-06	1.63E-07	2.22E-07	3.85E-07	1.42E-07	1.37E-07	2.78E-07
337	567273.56	4217187.87	1.49E-06	1.48E-06	2.97E-06	1.29E-06	1.31E-06	2.60E-06	1.56E-07	2.13E-07	3.69E-07	1.36E-07	1.31E-07	2.67E-07
338	567247.96	4217191.58	1.32E-06	1.31E-06	2.63E-06	1.14E-06	1.16E-06	2.31E-06	1.38E-07	1.88E-07	3.27E-07	1.20E-07	1.16E-07	2.36E-07
339	567235.15	4217193.43	1.22E-06	1.21E-06	2.43E-06	1.06E-06	1.07E-06	2.13E-06	1.28E-07	1.74E-07	3.02E-07	1.11E-07	1.07E-07	2.18E-07
340	567222.35	4217195.29	1.11E-06	1.11E-06	2.22E-06	9.63E-07	9.79E-07	1.94E-06	1.16E-07	1.59E-07	2.75E-07	1.01E-07	9.77E-08	1.99E-07
341	567209.55	4217197.14	1.00E-06	1.00E-06	2.00E-06	8.70E-07	8.85E-07	1.75E-06	1.05E-07	1.43E-07	2.49E-07	9.16E-08	8.83E-08	1.80E-07
342	567196.75	4217198.99	8.99E-07	8.96E-07	1.80E-06	7.80E-07	7.93E-07	1.57E-06	9.43E-08	1.29E-07	2.23E-07	8.21E-08	7.91E-08	1.61E-07
343	567171.14	4217202.7	7.18E-07	7.16E-07	1.43E-06	6.23E-07	6.34E-07	1.26E-06	7.54E-08	1.03E-07	1.78E-07	6.56E-08	6.32E-08	1.29E-07
344	567158.34	4217204.56	6.46E-07	6.44E-07	1.29E-06	5.61E-07	5.70E-07	1.13E-06	6.78E-08	9.24E-08	1.60E-07	5.90E-08	5.69E-08	1.16E-07
345	567145.54	4217206.41	5.87E-07	5.85E-07	1.17E-06	5.09E-07	5.18E-07	1.03E-06	6.15E-08	8.39E-08	1.45E-07	5.36E-08	5.17E-08	1.05E-07
346	567132.73	4217208.26	5.40E-07	5.39E-07	1.08E-06	4.69E-07	4.77E-07	9.45E-07	5.67E-08	7.72E-08	1.34E-07	4.93E-08	4.76E-08	9.69E-08
347	567119.93	4217210.12	5.05E-07	5.03E-07	1.01E-06	4.38E-07	4.45E-07	8.83E-07	5.29E-08	7.21E-08	1.25E-07	4.61E-08	4.44E-08	9.05E-08
348	567404.55	4217034.96	1.82E-06	1.81E-06	3.63E-06	1.58E-06	1.60E-06	3.18E-06	1.91E-07	2.60E-07	4.50E-07	1.66E-07	1.60E-07	3.26E-07
349	567408.52	4217049.06	1.80E-06	1.79E-06	3.59E-06	1.56E-06	1.59E-06	3.15E-06	1.89E-07	2.57E-07	4.46E-07	1.64E-07	1.58E-07	3.23E-07
350	567400.62	4217059.39	1.92E-06	1.92E-06	3.84E-06	1.67E-06	1.69E-06	3.36E-06	2.01E-07	2.75E-07	4.76E-07	1.75E-07	1.69E-07	3.45E-07
351	567392.71	4217069.73	2.03E-06	2.03E-06	4.06E-06	1.76E-06	1.79E-06	3.56E-06	2.13E-07	2.91E-07	5.04E-07	1.86E-07	1.79E-07	3.65E-07

352	567384.8	4217080.06	2.13E-06	2.13E-06	4.26E-06	1.85E-06	1.88E-06	3.73E-06	2.24E-07	3.05E-07	5.29E-07	1.95E-07	1.88E-07	3.83E-07
353	567376.9	4217090.39	2.21E-06	2.20E-06	4.41E-06	1.92E-06	1.95E-06	3.86E-06	2.32E-07	3.16E-07	5.47E-07	2.02E-07	1.94E-07	3.96E-07
354	567368.99	4217100.72	2.26E-06	2.25E-06	4.51E-06	1.96E-06	1.99E-06	3.95E-06	2.37E-07	3.23E-07	5.59E-07	2.06E-07	1.99E-07	4.05E-07
355	567361.08	4217111.05	2.28E-06	2.27E-06	4.55E-06	1.98E-06	2.01E-06	3.98E-06	2.39E-07	3.25E-07	5.64E-07	2.08E-07	2.00E-07	4.08E-07
356	567353.17	4217121.39	2.26E-06	2.26E-06	4.52E-06	1.96E-06	2.00E-06	3.96E-06	2.38E-07	3.24E-07	5.61E-07	2.07E-07	1.99E-07	4.06E-07
357	567345.27	4217131.72	2.22E-06	2.21E-06	4.44E-06	1.93E-06	1.96E-06	3.89E-06	2.33E-07	3.18E-07	5.50E-07	2.03E-07	1.96E-07	3.98E-07
358	567337.36	4217142.05	2.15E-06	2.14E-06	4.29E-06	1.86E-06	1.89E-06	3.76E-06	2.25E-07	3.07E-07	5.32E-07	1.96E-07	1.89E-07	3.85E-07
359	567321.55	4217162.72	1.92E-06	1.91E-06	3.83E-06	1.67E-06	1.69E-06	3.36E-06	2.01E-07	2.74E-07	4.76E-07	1.75E-07	1.69E-07	3.44E-07
360	567313.64	4217173.05	1.78E-06	1.77E-06	3.55E-06	1.54E-06	1.57E-06	3.11E-06	1.86E-07	2.54E-07	4.40E-07	1.62E-07	1.56E-07	3.18E-07
361	567305.73	4217183.38	1.62E-06	1.61E-06	3.23E-06	1.40E-06	1.43E-06	2.83E-06	1.70E-07	2.31E-07	4.01E-07	1.48E-07	1.42E-07	2.90E-07
362	567291.39	4217194.64	1.43E-06	1.42E-06	2.85E-06	1.24E-06	1.26E-06	2.50E-06	1.50E-07	2.04E-07	3.53E-07	1.30E-07	1.26E-07	2.56E-07
363	567278.51	4217196.51	1.36E-06	1.36E-06	2.72E-06	1.18E-06	1.20E-06	2.39E-06	1.43E-07	1.95E-07	3.38E-07	1.25E-07	1.20E-07	2.45E-07
364	567252.76	4217200.24	1.20E-06	1.20E-06	2.40E-06	1.04E-06	1.06E-06	2.10E-06	1.26E-07	1.72E-07	2.98E-07	1.10E-07	1.06E-07	2.16E-07
365	567239.88	4217202.1	1.11E-06	1.11E-06	2.22E-06	9.63E-07	9.79E-07	1.94E-06	1.16E-07	1.59E-07	2.75E-07	1.01E-07	9.77E-08	1.99E-07
366	567227.01	4217203.97	1.01E-06	1.01E-06	2.02E-06	8.79E-07	8.94E-07	1.77E-06	1.06E-07	1.45E-07	2.51E-07	9.25E-08	8.92E-08	1.82E-07
367	567214.13	4217205.83	9.16E-07	9.13E-07	1.83E-06	7.95E-07	8.08E-07	1.60E-06	9.61E-08	1.31E-07	2.27E-07	8.37E-08	8.06E-08	1.64E-07
368	567201.26	4217207.7	8.23E-07	8.21E-07	1.64E-06	7.14E-07	7.26E-07	1.44E-06	8.63E-08	1.18E-07	2.04E-07	7.52E-08	7.25E-08	1.48E-07
369	567175.5	4217211.43	6.61E-07	6.59E-07	1.32E-06	5.74E-07	5.83E-07	1.16E-06	6.94E-08	9.45E-08	1.64E-07	6.04E-08	5.82E-08	1.19E-07
370	567162.63	4217213.29	5.97E-07	5.95E-07	1.19E-06	5.18E-07	5.26E-07	1.04E-06	6.26E-08	8.53E-08	1.48E-07	5.45E-08	5.25E-08	1.07E-07
371	567149.75	4217215.16	5.43E-07	5.42E-07	1.09E-06	4.72E-07	4.79E-07	9.51E-07	5.70E-08	7.77E-08	1.35E-07	4.96E-08	4.78E-08	9.75E-08
372	567136.88	4217217.02	5.01E-07	5.00E-07	1.00E-06	4.35E-07	4.42E-07	8.77E-07	5.26E-08	7.17E-08	1.24E-07	4.58E-08	4.41E-08	8.99E-08
373	567124	4217218.89	4.69E-07	4.67E-07	9.36E-07	4.07E-07	4.14E-07	8.20E-07	4.92E-08	6.70E-08	1.16E-07	4.28E-08	4.13E-08	8.41E-08
374	567410.59	4217061.61	1.79E-06	1.79E-06	3.58E-06	1.56E-06	1.58E-06	3.14E-06	1.88E-07	2.56E-07	4.44E-07	1.64E-07	1.58E-07	3.22E-07
375	567402.89	4217071.66	1.90E-06	1.89E-06	3.79E-06	1.65E-06	1.67E-06	3.32E-06	1.99E-07	2.71E-07	4.70E-07	1.73E-07	1.67E-07	3.40E-07
376	567395.2	4217081.71	1.99E-06	1.98E-06	3.97E-06	1.72E-06	1.75E-06	3.48E-06	2.08E-07	2.84E-07	4.93E-07	1.82E-07	1.75E-07	3.57E-07
377	567387.51	4217091.76	2.07E-06	2.06E-06	4.13E-06	1.79E-06	1.82E-06	3.62E-06	2.17E-07	2.95E-07	5.12E-07	1.89E-07	1.82E-07	3.71E-07
378	567379.81	4217101.81	2.12E-06	2.11E-06	4.23E-06	1.84E-06	1.87E-06	3.71E-06	2.22E-07	3.03E-07	5.25E-07	1.94E-07	1.87E-07	3.80E-07
379	567372.12	4217111.87	2.15E-06	2.14E-06	4.29E-06	1.86E-06	1.89E-06	3.76E-06	2.25E-07	3.07E-07	5.32E-07	1.96E-07	1.89E-07	3.85E-07
380	567364.43	4217121.92	2.15E-06	2.14E-06	4.29E-06	1.86E-06	1.90E-06	3.76E-06	2.25E-07	3.07E-07	5.32E-07	1.96E-07	1.89E-07	3.85E-07
381	567356.74	4217131.97	2.12E-06	2.12E-06	4.24E-06	1.84E-06	1.87E-06	3.71E-06	2.23E-07	3.03E-07	5.26E-07	1.94E-07	1.87E-07	3.81E-07
382	567349.04	4217142.02	2.07E-06	2.06E-06	4.13E-06	1.79E-06	1.82E-06	3.62E-06	2.17E-07	2.96E-07	5.13E-07	1.89E-07	1.82E-07	3.71E-07
383	567325.97	4217172.18	1.77E-06	1.76E-06	3.53E-06	1.53E-06	1.56E-06	3.09E-06	1.85E-07	2.53E-07	4.38E-07	1.61E-07	1.56E-07	3.17E-07
384	567318.27	4217182.23	1.63E-06	1.63E-06	3.26E-06	1.42E-06	1.44E-06	2.86E-06	1.71E-07	2.33E-07	4.05E-07	1.49E-07	1.44E-07	2.93E-07
385	567310.58	4217192.28	1.49E-06	1.48E-06	2.97E-06	1.29E-06	1.31E-06	2.61E-06	1.56E-07	2.13E-07	3.69E-07	1.36E-07	1.31E-07	2.67E-07
386	567296.62	4217203.24	1.31E-06	1.31E-06	2.63E-06	1.14E-06	1.16E-06	2.30E-06	1.38E-07	1.88E-07	3.26E-07	1.20E-07	1.16E-07	2.36E-07
387	567284.1	4217205.06	1.26E-06	1.25E-06	2.51E-06	1.09E-06	1.11E-06	2.20E-06	1.32E-07	1.80E-07	3.11E-07	1.15E-07	1.11E-07	2.25E-07
388	567271.57	4217206.87	1.19E-06	1.18E-06	2.37E-06	1.03E-06	1.05E-06	2.08E-06	1.25E-07	1.70E-07	2.94E-07	1.09E-07	1.05E-07	2.13E-07
389	567246.52	4217210.5	1.03E-06	1.03E-06	2.06E-06	8.93E-07	9.08E-07	1.80E-06	1.08E-07	1.47E-07	2.55E-07	9.40E-08	9.06E-08	1.85E-07
390	567233.99	4217212.31	9.44E-07	9.41E-07	1.89E-06	8.19E-07	8.33E-07	1.65E-06	9.90E-08	1.35E-07	2.34E-07	8.62E-08	8.31E-08	1.69E-07
391	567221.46	4217214.13	8.59E-07	8.56E-07	1.71E-06	7.45E-07	7.57E-07	1.50E-06	9.01E-08	1.23E-07	2.13E-07	7.84E-08	7.56E-08	1.54E-07
392	567208.93	4217215.94	7.76E-07	7.74E-07	1.55E-06	6.74E-07	6.85E-07	1.36E-06	8.14E-08	1.11E-07	1.92E-07	7.09E-08	6.83E-08	1.39E-07
393	567196.41	4217217.76	7.00E-07	6.98E-07	1.40E-06	6.07E-07	6.17E-07	1.22E-06	7.34E-08	1.00E-07	1.73E-07	6.39E-08	6.16E-08	1.26E-07
394	567171.35	4217221.39	5.71E-07	5.70E-07	1.14E-06	4.96E-07	5.04E-07	1.00E-06	5.99E-08	8.17E-08	1.42E-07	5.22E-08	5.03E-08	1.03E-07
395	567158.83	4217223.2	5.22E-07	5.20E-07	1.04E-06	4.53E-07	4.60E-07	9.13E-07	5.47E-08	7.46E-08	1.29E-07	4.76E-08	4.59E-08	9.36E-08
396	567146.3	4217225.02	4.81E-07	4.80E-07	9.61E-07	4.17E-07	4.24E-07	8.42E-07	5.05E-08	6.88E-08	1.19E-07	4.39E-08	4.24E-08	8.63E-08
397	567133.77	4217226.83	4.49E-07	4.48E-07	8.97E-07	3.90E-07	3.96E-07	7.86E-07	4.71E-08	6.42E-08	1.11E-07	4.10E-08	3.95E-08	8.06E-08
398	567121.24	4217228.64	4.24E-07	4.23E-07	8.48E-07	3.68E-07	3.74E-07	7.43E-07	4.45E-08	6.07E-08	1.05E-07	3.88E-08	3.74E-08	7.61E-08
399	567404.69	4217084.55	1.87E-06	1.86E-06	3.73E-06	1.62E-06	1.65E-06	3.26E-06	1.96E-07	2.67E-07	4.62E-07	1.70E-07	1.64E-07	3.35E-07
400	567396.95	4217094.67	1.94E-06	1.94E-06	3.88E-06	1.69E-06	1.71E-06	3.40E-06	2.04E-07	2.78E-07	4.82E-07	1.78E-07	1.71E-07	3.49E-07
401	567389.21	4217104.78	2.00E-06	1.99E-06	3.99E-06	1.73E-06	1.76E-06	3.50E-06	2.10E-07	2.86E-07	4.95E-07	1.82E-07	1.76E-07	3.58E-07
402	567381.47	4217114.89	2.03E-06	2.02E-06	4.05E-06	1.76E-06	1.79E-06	3.55E-06	2.13E-07	2.90E-07	5.03E-07	1.85E-07	1.79E-07	3.64E-07
403	567373.73	4217125	2.03E-06	2.03E-06	4.06E-06	1.77E-06	1.80E-06	3.56E-06	2.13E-07	2.91E-07	5.04E-07	1.86E-07	1.79E-07	3.65E-07
404	567365.99	4217135.12	2.02E-06	2.01E-06	4.02E-06	1.75E-06	1.78E-06	3.53E-06	2.11E-07	2.88E-07	4.99E-07	1.84E-07	1.77E-07	3.61E-07
405	567358.25	4217145.23	1.97E-06	1.96E-06	3.93E-06	1.71E-06	1.74E-06	3.45E-06	2.07E-07	2.82E-07	4.88E-07	1.80E-07	1.73E-07	3.53E-07
406	567327.3	4217185.68	1.58E-06	1.57E-06	3.15E-06	1.37E-06	1.39E-06	2.76E-06	1.66E-07	2.26E-07	3.91E-07	1.44E-07	1.39E-07	2.83E-07
407	567319.56	4217195.79	1.45E-06	1.44E-06	2.89E-06	1.26E-06	1.28E-06	2.53E-06	1.52E-07	2.07E-07	3.58E-07	1.32E-07	1.27E-07	2.59E-07
408	567311.82	4217205.9	1.31E-06	1.30E-06	2.61E-06	1.14E-06	1.15E-06	2.29E-06	1.37E-07	1.87E-07	3.24E-07	1.19E-07	1.15E-07	2.35E-07
409	567301.65	4217211.87	1.21E-06	1.21E-06	2.42E-06	1.05E-06	1.07E-06	2.12E-06	1.27E-07	1.74E-07	3.01E-07	1.11E-07	1.07E-07	2.18E-07
410	567289.05	4217213.7	1.16E-06	1.15E-06	2.31E-06	1.00E-06	1.02E-06	2.03E-06	1.21E-07	1.65E-07	2.87E-07	1.06E-07	1.02E-07	2.08E-07
411	567276.44	4217215.52	1.09E-06	1.09E-06	2.18E-06	9.48E-07	9.64E-07	1.91E-06	1.15E-07	1.56E-07	2.71E-07	9.98E-08	9.62E-08	1.96E-07
412	567251.24	4217219.17	9.46E-07	9.43E-07	1.89E-06	8.20E-07	8.34E-07	1.65E-06	9.92E-08	1.35E-07	2.34E-07	8.64E-08	8.32E-08	1.70E-07
413	567238.64	4217221	8.67E-07	8.65E-07	1.73E-06	7.53E-07	7.65E-07	1.52E-06	9.10E-08	1.24E-07	2.15E-07	7.92E-08	7.64E-08	1.56E-07
414	567226.03	4217222.82	7.90E-07	7.87E-07	1.58E-06	6.85E-07	6.97E-07	1.38E-06	8.28E-08	1.13E-07	1.96E-07	7.21E-08	6.95E-08	1.42E-07
415	567213.43	4217224.65	7.15E-07	7.13E-07	1.43E-06	6.21E-07	6.31E-07	1.25E-06	7.50E-08	1.02E-07	1.77E-07	6.53E-08	6.30E-08	1.28E-07
416	567200.83	4217226.47	6.46E-07	6.44E-07	1.29E-06	5.61E-07	5.70E-07	1.13E-06	6.78E-08	9.24E-08	1.60E-07	5.90E-08	5.69E-08	1.16E-07
417	567175.62	4217230.13	5.30E-07	5.29E-07	1.06E-06	4.60E-07	4.68E-07	9.28E-07	5.56E-08	7.58E-08	1.31E-07	4.84E-08	4.67E-08	9.51E-08
418	567163.02	4217231.95	4.85E-07	4.84E-07	9.69E-07	4.21E-07	4.28E-07	8.49E-07	5.09E-08	6.94E-08	1.20E-07	4.43E-08	4.27E-08	8.70E-08
419	567150.42	4217233.78	4.49E-07	4.47E-07	8.96E-07	3.89E-07	3.96E-07	7.85E-07	4.70E-08	6.41E-08	1.11E-07	4.10E-08	3.95E-08	8.05E-08
420	567137.82	4217235.6	4.20E-07	4.18E-07	8.38E-07	3.64E-07	3.70E-07	7.34E-07	4.40E-08	6.00E-08	1.04E-07	3.83E-08	3.69E-08	7.52E-08
421	567125.21	4217237.43	3.97E-07	3.96E-07	7.92E-07	3.44E-07	3.50E-07	6.94E-07	4.16E-08	5.67E-08	9.84E-08	3.63E-08	3.49E-08	7.12E-08
422	567437.53	4217056.88	1.50E-06	1.49E-06	2.99E-06	1.30E-06	1.32E-06	2.62E-06	1.57E-07	2.14E-07	3.71E-07	1.37E-07	1.32E-07	2.68E-07

423	567406.4	4217097.55	1.83E-06	1.82E-06	3.65E-06	1.58E-06	1.61E-06	3.19E-06	1.92E-07	2.61E-07	4.52E-07	1.67E-07	1.61E-07	3.27E-07
424	567398.62	4217107.72	1.88E-06	1.88E-06	3.76E-06	1.63E-06	1.66E-06	3.30E-06	1.98E-07	2.69E-07	4.67E-07	1.72E-07	1.66E-07	3.38E-07
425	567390.83	4217117.89	1.92E-06	1.91E-06	3.83E-06	1.66E-06	1.69E-06	3.36E-06	2.01E-07	2.74E-07	4.75E-07	1.75E-07	1.69E-07	3.44E-07
426	567383.05	4217128.06	1.93E-06	1.92E-06	3.85E-06	1.67E-06	1.70E-06	3.38E-06	2.02E-07	2.76E-07	4.78E-07	1.76E-07	1.70E-07	3.46E-07
427	567375.27	4217138.23	1.92E-06	1.91E-06	3.82E-06	1.66E-06	1.69E-06	3.35E-06	2.01E-07	2.74E-07	4.75E-07	1.75E-07	1.69E-07	3.44E-07
428	567367.49	4217148.4	1.88E-06	1.87E-06	3.75E-06	1.63E-06	1.66E-06	3.29E-06	1.97E-07	2.68E-07	4.65E-07	1.71E-07	1.65E-07	3.37E-07
429	567351.92	4217168.74	1.74E-06	1.73E-06	3.47E-06	1.51E-06	1.53E-06	3.04E-06	1.82E-07	2.48E-07	4.30E-07	1.59E-07	1.53E-07	3.11E-07
430	567328.58	4217199.25	1.41E-06	1.40E-06	2.81E-06	1.22E-06	1.24E-06	2.46E-06	1.47E-07	2.01E-07	3.48E-07	1.28E-07	1.24E-07	2.52E-07
431	567320.79	4217209.42	1.28E-06	1.27E-06	2.55E-06	1.11E-06	1.13E-06	2.23E-06	1.34E-07	1.83E-07	3.17E-07	1.17E-07	1.12E-07	2.29E-07
432	567306.67	4217220.5	1.12E-06	1.12E-06	2.24E-06	9.75E-07	9.91E-07	1.97E-06	1.18E-07	1.61E-07	2.78E-07	1.03E-07	9.89E-08	2.01E-07
433	567294	4217222.34	1.07E-06	1.07E-06	2.14E-06	9.28E-07	9.43E-07	1.87E-06	1.12E-07	1.53E-07	2.65E-07	9.77E-08	9.41E-08	1.92E-07
434	567281.33	4217224.17	1.01E-06	1.01E-06	2.01E-06	8.75E-07	8.90E-07	1.76E-06	1.06E-07	1.44E-07	2.50E-07	9.21E-08	8.88E-08	1.81E-07
435	567268.65	4217226.01	9.42E-07	9.39E-07	1.88E-06	8.17E-07	8.31E-07	1.65E-06	9.88E-08	1.35E-07	2.33E-07	8.60E-08	8.29E-08	1.69E-07
436	567243.31	4217229.68	8.00E-07	7.97E-07	1.60E-06	6.94E-07	7.06E-07	1.40E-06	8.39E-08	1.14E-07	1.98E-07	7.31E-08	7.04E-08	1.43E-07
437	567230.64	4217231.52	7.29E-07	7.27E-07	1.46E-06	6.32E-07	6.43E-07	1.28E-06	7.65E-08	1.04E-07	1.81E-07	6.66E-08	6.42E-08	1.31E-07
438	567217.96	4217233.35	6.61E-07	6.59E-07	1.32E-06	5.74E-07	5.83E-07	1.16E-06	6.94E-08	9.45E-08	1.64E-07	6.04E-08	5.82E-08	1.19E-07
439	567205.29	4217235.19	5.99E-07	5.97E-07	1.20E-06	5.19E-07	5.28E-07	1.05E-06	6.28E-08	8.56E-08	1.48E-07	5.47E-08	5.27E-08	1.07E-07
440	567192.62	4217237.02	5.42E-07	5.41E-07	1.08E-06	4.71E-07	4.78E-07	9.49E-07	5.69E-08	7.75E-08	1.34E-07	4.95E-08	4.77E-08	9.73E-08
441	567167.27	4217240.69	4.53E-07	4.51E-07	9.04E-07	3.93E-07	3.99E-07	7.92E-07	4.75E-08	6.47E-08	1.12E-07	4.13E-08	3.98E-08	8.12E-08
442	567154.6	4217242.53	4.19E-07	4.18E-07	8.37E-07	3.64E-07	3.70E-07	7.34E-07	4.40E-08	5.99E-08	1.04E-07	3.83E-08	3.69E-08	7.52E-08
443	567141.92	4217244.36	3.93E-07	3.92E-07	7.84E-07	3.41E-07	3.46E-07	6.87E-07	4.12E-08	5.61E-08	9.73E-08	3.59E-08	3.46E-08	7.05E-08
444	567129.25	4217246.2	3.72E-07	3.71E-07	7.43E-07	3.23E-07	3.28E-07	6.51E-07	3.90E-08	5.32E-08	9.22E-08	3.40E-08	3.28E-08	6.67E-08
445	567116.58	4217248.03	3.56E-07	3.55E-07	7.12E-07	3.09E-07	3.14E-07	6.24E-07	3.74E-08	5.09E-08	8.83E-08	3.26E-08	3.14E-08	6.39E-08
446	567443.14	4217045.49	1.41E-06	1.41E-06	2.82E-06	1.23E-06	1.25E-06	2.47E-06	1.48E-07	2.02E-07	3.50E-07	1.29E-07	1.24E-07	2.54E-07
447	567447.15	4217059.53	1.42E-06	1.41E-06	2.83E-06	1.23E-06	1.25E-06	2.48E-06	1.48E-07	2.02E-07	3.51E-07	1.29E-07	1.25E-07	2.54E-07
448	567439.33	4217069.76	1.50E-06	1.50E-06	3.00E-06	1.30E-06	1.32E-06	2.62E-06	1.57E-07	2.14E-07	3.72E-07	1.37E-07	1.32E-07	2.69E-07
449	567431.51	4217079.98	1.58E-06	1.58E-06	3.16E-06	1.37E-06	1.40E-06	2.77E-06	1.66E-07	2.26E-07	3.92E-07	1.45E-07	1.39E-07	2.84E-07
450	567408.04	4217110.65	1.78E-06	1.77E-06	3.55E-06	1.54E-06	1.57E-06	3.11E-06	1.86E-07	2.54E-07	4.40E-07	1.62E-07	1.56E-07	3.18E-07
451	567400.22	4217120.87	1.82E-06	1.81E-06	3.63E-06	1.58E-06	1.60E-06	3.18E-06	1.90E-07	2.60E-07	4.50E-07	1.66E-07	1.60E-07	3.26E-07
452	567392.39	4217131.09	1.83E-06	1.82E-06	3.66E-06	1.59E-06	1.61E-06	3.20E-06	1.92E-07	2.62E-07	4.54E-07	1.67E-07	1.61E-07	3.28E-07
453	567384.57	4217141.32	1.82E-06	1.82E-06	3.64E-06	1.58E-06	1.61E-06	3.19E-06	1.91E-07	2.60E-07	4.52E-07	1.66E-07	1.60E-07	3.27E-07
454	567376.75	4217151.54	1.79E-06	1.79E-06	3.58E-06	1.55E-06	1.58E-06	3.13E-06	1.88E-07	2.56E-07	4.44E-07	1.64E-07	1.58E-07	3.21E-07
455	567361.1	4217171.98	1.67E-06	1.66E-06	3.33E-06	1.45E-06	1.47E-06	2.92E-06	1.75E-07	2.38E-07	4.13E-07	1.52E-07	1.47E-07	2.99E-07
456	567353.28	4217182.21	1.58E-06	1.57E-06	3.15E-06	1.37E-06	1.39E-06	2.76E-06	1.66E-07	2.26E-07	3.91E-07	1.44E-07	1.39E-07	2.83E-07
457	567345.45	4217192.43	1.48E-06	1.47E-06	2.95E-06	1.28E-06	1.30E-06	2.59E-06	1.55E-07	2.11E-07	3.66E-07	1.35E-07	1.30E-07	2.65E-07
458	567329.81	4217212.88	1.25E-06	1.24E-06	2.49E-06	1.08E-06	1.10E-06	2.18E-06	1.31E-07	1.78E-07	3.09E-07	1.14E-07	1.10E-07	2.24E-07
459	567321.98	4217223.1	1.13E-06	1.12E-06	2.25E-06	9.76E-07	9.93E-07	1.97E-06	1.18E-07	1.61E-07	2.79E-07	1.03E-07	9.91E-08	2.02E-07
460	567311.7	4217229.13	1.04E-06	1.04E-06	2.08E-06	9.04E-07	9.19E-07	1.82E-06	1.09E-07	1.49E-07	2.58E-07	9.51E-08	9.17E-08	1.87E-07
461	567298.96	4217230.98	9.90E-07	9.87E-07	1.98E-06	8.59E-07	8.73E-07	1.73E-06	1.04E-07	1.42E-07	2.45E-07	9.04E-08	8.72E-08	1.78E-07
462	567286.22	4217232.82	9.33E-07	9.30E-07	1.86E-06	8.09E-07	8.23E-07	1.63E-06	9.78E-08	1.33E-07	2.31E-07	8.52E-08	8.21E-08	1.67E-07
463	567273.48	4217234.67	8.70E-07	8.68E-07	1.74E-06	7.55E-07	7.68E-07	1.52E-06	9.13E-08	1.24E-07	2.16E-07	7.95E-08	7.66E-08	1.56E-07
464	567248	4217238.36	7.40E-07	7.37E-07	1.48E-06	6.42E-07	6.52E-07	1.29E-06	7.76E-08	1.06E-07	1.83E-07	6.76E-08	6.51E-08	1.33E-07
465	567235.26	4217240.2	6.75E-07	6.73E-07	1.35E-06	5.86E-07	5.95E-07	1.18E-06	7.08E-08	9.65E-08	1.67E-07	6.16E-08	5.94E-08	1.21E-07
466	567222.52	4217242.05	6.13E-07	6.11E-07	1.22E-06	5.32E-07	5.41E-07	1.07E-06	6.43E-08	8.76E-08	1.52E-07	5.60E-08	5.40E-08	1.10E-07
467	567209.78	4217243.89	5.56E-07	5.54E-07	1.11E-06	4.83E-07	4.91E-07	9.73E-07	5.83E-08	7.95E-08	1.38E-07	5.08E-08	4.90E-08	9.98E-08
468	567197.04	4217245.74	5.05E-07	5.04E-07	1.01E-06	4.38E-07	4.46E-07	8.84E-07	5.30E-08	7.22E-08	1.25E-07	4.61E-08	4.45E-08	9.06E-08
469	567171.57	4217249.43	4.24E-07	4.22E-07	8.46E-07	3.67E-07	3.74E-07	7.41E-07	4.44E-08	6.05E-08	1.05E-07	3.87E-08	3.73E-08	7.60E-08
470	567158.83	4217251.27	3.93E-07	3.92E-07	7.85E-07	3.41E-07	3.47E-07	6.88E-07	4.12E-08	5.62E-08	9.74E-08	3.59E-08	3.46E-08	7.05E-08
471	567146.09	4217253.12	3.69E-07	3.67E-07	7.36E-07	3.20E-07	3.25E-07	6.45E-07	3.87E-08	5.27E-08	9.14E-08	3.37E-08	3.24E-08	6.61E-08
472	567133.35	4217254.96	3.50E-07	3.49E-07	6.98E-07	3.03E-07	3.08E-07	6.12E-07	3.67E-08	5.00E-08	8.67E-08	3.19E-08	3.08E-08	6.27E-08
473	567120.61	4217256.81	3.35E-07	3.34E-07	6.69E-07	2.91E-07	2.96E-07	5.87E-07	3.52E-08	4.79E-08	8.31E-08	3.06E-08	2.95E-08	6.01E-08
474	567452.79	4217048.12	1.34E-06	1.34E-06	2.68E-06	1.16E-06	1.18E-06	2.35E-06	1.41E-07	1.92E-07	3.32E-07	1.23E-07	1.18E-07	2.41E-07
475	567456.78	4217062.19	1.34E-06	1.34E-06	2.68E-06	1.16E-06	1.18E-06	2.35E-06	1.41E-07	1.92E-07	3.32E-07	1.23E-07	1.18E-07	2.41E-07
476	567448.92	4217072.46	1.42E-06	1.42E-06	2.84E-06	1.23E-06	1.25E-06	2.49E-06	1.49E-07	2.03E-07	3.52E-07	1.30E-07	1.25E-07	2.55E-07
477	567441.06	4217082.74	1.50E-06	1.49E-06	2.99E-06	1.30E-06	1.32E-06	2.62E-06	1.57E-07	2.14E-07	3.71E-07	1.37E-07	1.32E-07	2.68E-07
478	567433.2	4217093.01	1.57E-06	1.56E-06	3.13E-06	1.36E-06	1.38E-06	2.74E-06	1.64E-07	2.24E-07	3.89E-07	1.43E-07	1.38E-07	2.81E-07
479	567401.75	4217134.1	1.74E-06	1.73E-06	3.47E-06	1.51E-06	1.53E-06	3.04E-06	1.82E-07	2.49E-07	4.31E-07	1.59E-07	1.53E-07	3.12E-07
480	567393.89	4217144.38	1.73E-06	1.73E-06	3.46E-06	1.50E-06	1.53E-06	3.03E-06	1.82E-07	2.48E-07	4.30E-07	1.58E-07	1.53E-07	3.11E-07
481	567386.03	4217154.65	1.71E-06	1.70E-06	3.41E-06	1.48E-06	1.51E-06	2.99E-06	1.79E-07	2.44E-07	4.24E-07	1.56E-07	1.50E-07	3.07E-07
482	567362.44	4217185.47	1.52E-06	1.52E-06	3.04E-06	1.32E-06	1.34E-06	2.66E-06	1.60E-07	2.18E-07	3.77E-07	1.39E-07	1.34E-07	2.73E-07
483	567354.58	4217195.74	1.43E-06	1.43E-06	2.86E-06	1.24E-06	1.26E-06	2.50E-06	1.50E-07	2.04E-07	3.54E-07	1.31E-07	1.26E-07	2.56E-07
484	567346.72	4217206.01	1.33E-06	1.32E-06	2.65E-06	1.15E-06	1.17E-06	2.32E-06	1.39E-07	1.90E-07	3.29E-07	1.21E-07	1.17E-07	2.38E-07
485	567331	4217226.56	1.10E-06	1.10E-06	2.20E-06	9.57E-07	9.73E-07	1.93E-06	1.16E-07	1.58E-07	2.73E-07	1.01E-07	9.71E-08	1.98E-07
486	567316.73	4217237.76	9.68E-07	9.65E-07	1.93E-06	8.40E-07	8.54E-07	1.69E-06	1.02E-07	1.38E-07	2.40E-07	8.84E-08	8.52E-08	1.74E-07
487	567303.93	4217239.62	9.19E-07	9.16E-07	1.83E-06	7.97E-07	8.11E-07	1.61E-06	9.64E-08	1.31E-07	2.28E-07	8.39E-08	8.09E-08	1.65E-07
488	567291.13	4217241.47	8.65E-07	8.62E-07	1.73E-06	7.50E-07	7.63E-07	1.51E-06	9.07E-08	1.24E-07	2.14E-07	7.90E-08	7.61E-08	1.55E-07
489	567278.33	4217243.32	8.07E-07	8.04E-07	1.61E-06	7.00E-07	7.12E-07	1.41E-06	8.46E-08	1.15E-07	2.00E-07	7.37E-08	7.10E-08	1.45E-07
490	567252.72	4217247.03	6.86E-07	6.84E-07	1.37E-06	5.95E-07	6.05E-07	1.20E-06	7.20E-08	9.81E-08	1.70E-07	6.27E-08	6.04E-08	1.23E-07
491	567239.92	4217248.89	6.27E-07	6.25E-07	1.25E-06	5.44E-07	5.53E-07	1.10E-06	6.57E-08	8.96E-08	1.55E-07	5.72E-08	5.52E-08	1.12E-07
492	567227.11	4217250.74	5.70E-07	5.68E-07	1.14E-06	4.95E-07	5.03E-07	9.98E-07	5.98E-08	8.15E-08	1.41E-07	5.21E-08	5.02E-08	1.02E-07
493	567214.31	4217252.59	5.18E-07	5.17E-07	1.04E-06	4.50E-07	4.57E-07	9.07E-07	5.44E-08	7.41E-08	1.28E-07	4.73E-08	4.56E-08	9.30E-08

494	567201.51	4217254.45	4.72E-07	4.70E-07	9.42E-07	4.09E-07	4.16E-07	8.25E-07	4.95E-08	6.74E-08	1.17E-07	4.31E-08	4.15E-08	8.46E-08
495	567175.9	4217258.16	3.97E-07	3.96E-07	7.93E-07	3.45E-07	3.50E-07	6.95E-07	4.17E-08	5.68E-08	9.85E-08	3.63E-08	3.50E-08	7.13E-08
496	567163.1	4217260.01	3.69E-07	3.68E-07	7.37E-07	3.20E-07	3.26E-07	6.46E-07	3.87E-08	5.28E-08	9.15E-08	3.37E-08	3.25E-08	6.62E-08
497	567150.3	4217261.87	3.47E-07	3.46E-07	6.92E-07	3.01E-07	3.06E-07	6.07E-07	3.64E-08	4.96E-08	8.59E-08	3.17E-08	3.05E-08	6.22E-08
498	567137.5	4217263.72	3.29E-07	3.28E-07	6.57E-07	2.86E-07	2.90E-07	5.76E-07	3.45E-08	4.71E-08	8.16E-08	3.01E-08	2.90E-08	5.91E-08
499	567124.69	4217265.57	3.16E-07	3.15E-07	6.31E-07	2.74E-07	2.79E-07	5.53E-07	3.31E-08	4.52E-08	7.83E-08	2.89E-08	2.78E-08	5.67E-08
500	567462.43	4217050.75	1.27E-06	1.27E-06	2.54E-06	1.10E-06	1.12E-06	2.23E-06	1.33E-07	1.82E-07	3.15E-07	1.16E-07	1.12E-07	2.28E-07
501	567466.41	4217064.85	1.27E-06	1.27E-06	2.54E-06	1.10E-06	1.12E-06	2.23E-06	1.33E-07	1.82E-07	3.15E-07	1.16E-07	1.12E-07	2.28E-07
502	567458.51	4217075.17	1.35E-06	1.34E-06	2.69E-06	1.17E-06	1.19E-06	2.36E-06	1.41E-07	1.93E-07	3.34E-07	1.23E-07	1.19E-07	2.42E-07
503	567450.62	4217085.49	1.42E-06	1.42E-06	2.84E-06	1.23E-06	1.25E-06	2.48E-06	1.49E-07	2.03E-07	3.52E-07	1.30E-07	1.25E-07	2.55E-07
504	567442.72	4217095.81	1.49E-06	1.48E-06	2.97E-06	1.29E-06	1.31E-06	2.60E-06	1.56E-07	2.13E-07	3.69E-07	1.36E-07	1.31E-07	2.67E-07
505	567434.82	4217106.13	1.55E-06	1.54E-06	3.09E-06	1.34E-06	1.37E-06	2.71E-06	1.62E-07	2.21E-07	3.84E-07	1.41E-07	1.36E-07	2.78E-07
506	567403.23	4217147.41	1.65E-06	1.65E-06	3.30E-06	1.43E-06	1.46E-06	2.89E-06	1.73E-07	2.36E-07	4.10E-07	1.51E-07	1.45E-07	2.96E-07
507	567395.33	4217157.73	1.63E-06	1.63E-06	3.26E-06	1.42E-06	1.44E-06	2.86E-06	1.71E-07	2.33E-07	4.05E-07	1.49E-07	1.44E-07	2.93E-07
508	567371.64	4217188.69	1.47E-06	1.46E-06	2.93E-06	1.27E-06	1.29E-06	2.57E-06	1.54E-07	2.10E-07	3.64E-07	1.34E-07	1.29E-07	2.63E-07
509	567363.74	4217199.02	1.38E-06	1.38E-06	2.76E-06	1.20E-06	1.22E-06	2.42E-06	1.45E-07	1.98E-07	3.43E-07	1.26E-07	1.22E-07	2.48E-07
510	567355.84	4217209.34	1.29E-06	1.29E-06	2.57E-06	1.12E-06	1.14E-06	2.26E-06	1.35E-07	1.84E-07	3.20E-07	1.18E-07	1.13E-07	2.31E-07
511	567347.94	4217219.66	1.19E-06	1.18E-06	2.37E-06	1.03E-06	1.05E-06	2.08E-06	1.25E-07	1.70E-07	2.94E-07	1.08E-07	1.05E-07	2.13E-07
512	567321.76	4217246.39	9.01E-07	8.98E-07	1.80E-06	7.82E-07	7.95E-07	1.58E-06	9.45E-08	1.29E-07	2.23E-07	8.23E-08	7.93E-08	1.62E-07
513	567308.9	4217248.25	8.55E-07	8.52E-07	1.71E-06	7.41E-07	7.54E-07	1.50E-06	8.96E-08	1.22E-07	2.12E-07	7.81E-08	7.52E-08	1.53E-07
514	567296.04	4217250.12	8.04E-07	8.01E-07	1.60E-06	6.97E-07	7.09E-07	1.41E-06	8.43E-08	1.15E-07	1.99E-07	7.34E-08	7.07E-08	1.44E-07
515	567283.18	4217251.98	7.50E-07	7.47E-07	1.50E-06	6.50E-07	6.61E-07	1.31E-06	7.86E-08	1.07E-07	1.86E-07	6.85E-08	6.60E-08	1.34E-07
516	567270.32	4217253.84	6.94E-07	6.92E-07	1.39E-06	6.02E-07	6.12E-07	1.21E-06	7.28E-08	9.92E-08	1.72E-07	6.34E-08	6.11E-08	1.24E-07
517	567244.59	4217257.57	5.83E-07	5.82E-07	1.17E-06	5.06E-07	5.15E-07	1.02E-06	6.12E-08	8.34E-08	1.45E-07	5.33E-08	5.14E-08	1.05E-07
518	567231.73	4217259.43	5.32E-07	5.30E-07	1.06E-06	4.61E-07	4.69E-07	9.31E-07	5.58E-08	7.60E-08	1.32E-07	4.86E-08	4.68E-08	9.54E-08
519	567218.87	4217261.29	4.84E-07	4.83E-07	9.67E-07	4.20E-07	4.27E-07	8.47E-07	5.08E-08	6.92E-08	1.20E-07	4.42E-08	4.26E-08	8.69E-08
520	567206.01	4217263.15	4.42E-07	4.40E-07	8.82E-07	3.83E-07	3.90E-07	7.73E-07	4.63E-08	6.31E-08	1.09E-07	4.04E-08	3.89E-08	7.92E-08
521	567193.15	4217265.02	4.05E-07	4.03E-07	8.08E-07	3.51E-07	3.57E-07	7.08E-07	4.25E-08	5.79E-08	1.00E-07	3.70E-08	3.56E-08	7.26E-08
522	567472.08	4217053.38	1.21E-06	1.21E-06	2.41E-06	1.05E-06	1.07E-06	2.12E-06	1.27E-07	1.73E-07	3.00E-07	1.10E-07	1.06E-07	2.17E-07
523	567208.74	4216964.73	1.63E-05	1.63E-05	3.26E-05	1.41E-05	1.44E-05	2.85E-05	1.71E-06	2.33E-06	4.04E-06	1.49E-06	1.44E-06	2.93E-06
524	567217.66	4216969.25	1.36E-05	1.36E-05	2.72E-05	1.18E-05	1.20E-05	2.38E-05	1.43E-06	1.94E-06	3.37E-06	1.24E-06	1.20E-06	2.44E-06
525	567226.58	4216973.77	1.16E-05	1.15E-05	2.31E-05	1.00E-05	1.02E-05	2.02E-05	1.21E-06	1.65E-06	2.87E-06	1.06E-06	1.02E-06	2.07E-06
526	567233.83	4216959.46	1.07E-05	1.07E-05	2.14E-05	9.32E-06	9.47E-06	1.88E-05	1.13E-06	1.53E-06	2.66E-06	9.81E-07	9.45E-07	1.93E-06
527	567235.51	4216978.29	9.96E-06	9.93E-06	1.99E-05	8.64E-06	8.79E-06	1.74E-05	1.04E-06	1.42E-06	2.47E-06	9.10E-07	8.77E-07	1.79E-06
528	567242.75	4216963.97	9.22E-06	9.19E-06	1.84E-05	8.00E-06	8.13E-06	1.61E-05	9.67E-07	1.32E-06	2.28E-06	8.42E-07	8.11E-07	1.65E-06
529	567248.05	4216975.65	8.40E-06	8.37E-06	1.68E-05	7.28E-06	7.41E-06	1.47E-05	8.81E-07	1.20E-06	2.08E-06	7.67E-07	7.39E-07	1.51E-06
530	567255.3	4216961.34	7.55E-06	7.53E-06	1.51E-05	6.55E-06	6.66E-06	1.32E-05	7.92E-07	1.08E-06	1.87E-06	6.90E-07	6.65E-07	1.35E-06
531	567256.97	4216980.17	7.39E-06	7.36E-06	1.47E-05	6.41E-06	6.52E-06	1.29E-05	7.75E-07	1.06E-06	1.83E-06	6.75E-07	6.50E-07	1.32E-06
532	567264.22	4216965.85	6.65E-06	6.63E-06	1.33E-05	5.77E-06	5.87E-06	1.16E-05	6.98E-07	9.51E-07	1.65E-06	6.08E-07	5.85E-07	1.19E-06
533	567265.89	4216984.68	6.56E-06	6.54E-06	1.31E-05	5.69E-06	5.79E-06	1.15E-05	6.88E-07	9.38E-07	1.63E-06	5.99E-07	5.77E-07	1.18E-06
534	567273.14	4216970.37	5.92E-06	5.91E-06	1.18E-05	5.14E-06	5.23E-06	1.04E-05	6.21E-07	8.47E-07	1.47E-06	5.41E-07	5.22E-07	1.06E-06
535	567274.81	4216989.2	5.87E-06	5.85E-06	1.17E-05	5.10E-06	5.18E-06	1.03E-05	6.16E-07	8.39E-07	1.46E-06	5.36E-07	5.17E-07	1.05E-06
536	567282.06	4216974.89	5.32E-06	5.30E-06	1.06E-05	4.61E-06	4.69E-06	9.31E-06	5.58E-07	7.60E-07	1.32E-06	4.86E-07	4.68E-07	9.54E-07
537	567287.36	4216986.56	5.06E-06	5.05E-06	1.01E-05	4.39E-06	4.47E-06	8.86E-06	5.31E-07	7.24E-07	1.25E-06	4.62E-07	4.46E-07	9.08E-07
538	567296.28	4216991.08	4.59E-06	4.58E-06	9.16E-06	3.98E-06	4.05E-06	8.03E-06	4.81E-07	6.56E-07	1.14E-06	4.19E-07	4.04E-07	8.23E-07
539	567344.51	4217006.52	2.87E-06	2.86E-06	5.73E-06	2.49E-06	2.53E-06	5.02E-06	3.01E-07	4.10E-07	7.11E-07	2.62E-07	2.53E-07	5.15E-07
540	567353.43	4217011.03	2.67E-06	2.66E-06	5.32E-06	2.31E-06	2.35E-06	4.67E-06	2.80E-07	3.81E-07	6.61E-07	2.44E-07	2.35E-07	4.78E-07
541	567451.29	4217105.55	1.42E-06	1.41E-06	2.83E-06	1.23E-06	1.25E-06	2.48E-06	1.49E-07	2.03E-07	3.51E-07	1.29E-07	1.25E-07	2.54E-07
542	567458.54	4217091.23	1.36E-06	1.36E-06	2.72E-06	1.18E-06	1.20E-06	2.38E-06	1.43E-07	1.95E-07	3.38E-07	1.24E-07	1.20E-07	2.44E-07
543	567229.97	4216946.94	1.16E-05	1.16E-05	2.32E-05	1.01E-05	1.02E-05	2.03E-05	1.22E-06	1.66E-06	2.88E-06	1.06E-06	1.02E-06	2.08E-06
544	567243.15	4216946.08	8.98E-06	8.95E-06	1.79E-05	7.79E-06	7.92E-06	1.57E-05	9.42E-07	1.28E-06	2.23E-06	8.20E-07	7.90E-07	1.61E-06
545	567251.12	4216952.11	7.94E-06	7.91E-06	1.58E-05	6.89E-06	7.00E-06	1.39E-05	8.32E-07	1.13E-06	1.97E-06	7.25E-07	6.99E-07	1.42E-06
546	567224.05	4216899.29	8.69E-06	8.66E-06	1.74E-05	7.54E-06	7.67E-06	1.52E-05	9.12E-07	1.24E-06	2.15E-06	7.94E-07	7.65E-07	1.56E-06
547	567211.98	4216887.14	8.85E-06	8.82E-06	1.77E-05	7.68E-06	7.81E-06	1.55E-05	9.28E-07	1.27E-06	2.19E-06	8.08E-07	7.79E-07	1.59E-06
548	567188.26	4216870.6	9.14E-06	9.11E-06	1.82E-05	7.93E-06	8.06E-06	1.60E-05	9.58E-07	1.31E-06	2.26E-06	8.35E-07	8.04E-07	1.64E-06
549	567180.35	4216865.08	8.99E-06	8.96E-06	1.79E-05	7.80E-06	7.93E-06	1.57E-05	9.43E-07	1.28E-06	2.23E-06	8.21E-07	7.91E-07	1.61E-06
550	567172.45	4216859.57	8.74E-06	8.71E-06	1.74E-05	7.58E-06	7.71E-06	1.53E-05	9.16E-07	1.25E-06	2.17E-06	7.98E-07	7.69E-07	1.57E-06
551	567164.54	4216854.06	8.40E-06	8.37E-06	1.68E-05	7.29E-06	7.41E-06	1.47E-05	8.81E-07	1.20E-06	2.08E-06	7.67E-07	7.39E-07	1.51E-06
552	567156.63	4216848.54	7.95E-06	7.92E-06	1.59E-05	6.89E-06	7.01E-06	1.39E-05	8.33E-07	1.14E-06	1.97E-06	7.26E-07	6.99E-07	1.43E-06
553	567148.73	4216843.03	7.38E-06	7.36E-06	1.47E-05	6.40E-06	6.51E-06	1.29E-05	7.74E-07	1.06E-06	1.83E-06	6.74E-07	6.50E-07	1.32E-06
554	567140.82	4216837.51	6.72E-06	6.70E-06	1.34E-05	5.83E-06	5.93E-06	1.18E-05	7.05E-07	9.61E-07	1.67E-06	6.14E-07	5.92E-07	1.21E-06
555	567132.91	4216832	5.99E-06	5.97E-06	1.20E-05	5.20E-06	5.29E-06	1.05E-05	6.28E-07	8.56E-07	1.48E-06	5.47E-07	5.27E-07	1.07E-06
556	567125	4216826.48	5.24E-06	5.22E-06	1.05E-05	4.54E-06	4.62E-06	9.16E-06	5.49E-07	7.48E-07	1.30E-06	4.78E-07	4.61E-07	9.39E-07
557	567229.77	4216891.09	6.81E-06	6.79E-06	1.36E-05	5.91E-06	6.01E-06	1.19E-05	7.14E-07	9.73E-07	1.69E-06	6.22E-07	5.99E-07	1.22E-06
558	567236.18	4216911.95	8.04E-06	8.01E-06	1.61E-05	6.97E-06	7.09E-06	1.41E-05	8.43E-07	1.15E-06	1.99E-06	7.34E-07	7.08E-07	1.44E-06
559	567201.89	4216867.91	7.03E-06	7.01E-06	1.40E-05	6.10E-06	6.20E-06	1.23E-05	7.38E-07	1.01E-06	1.74E-06	6.42E-07	6.19E-07	1.26E-06
560	567193.98	4216862.4	6.98E-06	6.96E-06	1.39E-05	6.06E-06	6.16E-06	1.22E-05	7.32E-07	9.98E-07	1.73E-06	6.38E-07	6.14E-07	1.25E-06
561	567186.07	4216856.88	6.84E-06	6.82E-06	1.37E-05	5.94E-06	6.04E-06	1.20E-05	7.18E-07	9.78E-07	1.70E-06	6.25E-07	6.02E-07	1.23E-06
562	567178.17	4216851.37	6.64E-06	6.62E-06	1.33E-05	5.76E-06	5.85E-06	1.16E-05	6.96E-07	9.49E-07	1.64E-06	6.06E-07	5.84E-07	1.19E-06
563	567170.26	4216845.85	6.36E-06	6.34E-06	1.27E-05	5.52E-06	5.61E-06	1.11E-05	6.67E-07	9.09E-07	1.58E-06	5.81E-07	5.60E-07	1.14E-06
564	567162.35	4216840.34	6.01E-06	5.99E-06	1.20E-05	5.21E-06	5.30E-06	1.05E-05	6.30E-07	8.59E-07	1.49E-06	5.49E-07	5.29E-07	1.08E-06

565	567154.45	4216834.82	5.59E-06	5.58E-06	1.12E-05	4.85E-06	4.94E-06	9.79E-06	5.87E-07	8.00E-07	1.39E-06	5.11E-07	4.92E-07	1.00E-06
566	567146.54	4216829.31	5.13E-06	5.12E-06	1.02E-05	4.45E-06	4.53E-06	8.98E-06	5.38E-07	7.34E-07	1.27E-06	4.69E-07	4.52E-07	9.21E-07
567	567138.63	4216823.8	4.64E-06	4.62E-06	9.26E-06	4.02E-06	4.09E-06	8.12E-06	4.86E-07	6.63E-07	1.15E-06	4.24E-07	4.08E-07	8.32E-07
568	567114.91	4216807.25	3.24E-06	3.23E-06	6.47E-06	2.81E-06	2.86E-06	5.67E-06	3.40E-07	4.63E-07	8.03E-07	2.96E-07	2.85E-07	5.81E-07
569	567235.49	4216882.89	5.50E-06	5.48E-06	1.10E-05	4.77E-06	4.85E-06	9.62E-06	5.77E-07	7.86E-07	1.36E-06	5.02E-07	4.84E-07	9.86E-07
570	567243.8	4216896.15	5.75E-06	5.73E-06	1.15E-05	4.99E-06	5.07E-06	1.01E-05	6.03E-07	8.22E-07	1.43E-06	5.25E-07	5.06E-07	1.03E-06
571	567246.06	4216910.38	6.52E-06	6.50E-06	1.30E-05	5.66E-06	5.75E-06	1.14E-05	6.84E-07	9.32E-07	1.62E-06	5.95E-07	5.74E-07	1.17E-06
572	567215.52	4216865.22	5.57E-06	5.55E-06	1.11E-05	4.83E-06	4.91E-06	9.74E-06	5.84E-07	7.96E-07	1.38E-06	5.08E-07	4.90E-07	9.98E-07
573	567207.61	4216859.71	5.59E-06	5.57E-06	1.12E-05	4.85E-06	4.93E-06	9.78E-06	5.86E-07	7.99E-07	1.39E-06	5.11E-07	4.92E-07	1.00E-06
574	567199.7	4216854.19	5.53E-06	5.52E-06	1.10E-05	4.80E-06	4.88E-06	9.68E-06	5.80E-07	7.91E-07	1.37E-06	5.05E-07	4.87E-07	9.92E-07
575	567191.8	4216848.68	5.42E-06	5.40E-06	1.08E-05	4.70E-06	4.78E-06	9.48E-06	5.68E-07	7.74E-07	1.34E-06	4.95E-07	4.77E-07	9.72E-07
576	567183.89	4216843.16	5.24E-06	5.23E-06	1.05E-05	4.55E-06	4.63E-06	9.18E-06	5.50E-07	7.50E-07	1.30E-06	4.79E-07	4.62E-07	9.41E-07
577	567175.98	4216837.65	5.02E-06	5.01E-06	1.00E-05	4.36E-06	4.43E-06	8.79E-06	5.27E-07	7.18E-07	1.24E-06	4.59E-07	4.42E-07	9.01E-07
578	567168.07	4216832.14	4.75E-06	4.74E-06	9.49E-06	4.12E-06	4.19E-06	8.31E-06	4.98E-07	6.79E-07	1.18E-06	4.34E-07	4.18E-07	8.52E-07
579	567160.17	4216826.62	4.44E-06	4.43E-06	8.87E-06	3.85E-06	3.92E-06	7.77E-06	4.66E-07	6.35E-07	1.10E-06	4.06E-07	3.91E-07	7.97E-07
580	567152.26	4216821.11	4.11E-06	4.09E-06	8.20E-06	3.56E-06	3.62E-06	7.18E-06	4.31E-07	5.87E-07	1.02E-06	3.75E-07	3.61E-07	7.36E-07
581	567128.54	4216804.56	3.07E-06	3.06E-06	6.12E-06	2.66E-06	2.70E-06	5.36E-06	3.22E-07	4.38E-07	7.60E-07	2.80E-07	2.70E-07	5.50E-07
582	567120.63	4216799.05	2.76E-06	2.75E-06	5.50E-06	2.39E-06	2.43E-06	4.82E-06	2.89E-07	3.94E-07	6.83E-07	2.52E-07	2.43E-07	4.94E-07
583	567241.21	4216874.68	4.56E-06	4.54E-06	9.10E-06	3.96E-06	4.02E-06	7.98E-06	4.78E-07	6.52E-07	1.13E-06	4.16E-07	4.01E-07	8.18E-07
584	567249.52	4216887.95	4.79E-06	4.77E-06	9.56E-06	4.15E-06	4.22E-06	8.38E-06	5.02E-07	6.84E-07	1.19E-06	4.37E-07	4.21E-07	8.59E-07
585	567255.93	4216908.82	5.42E-06	5.40E-06	1.08E-05	4.70E-06	4.78E-06	9.48E-06	5.68E-07	7.74E-07	1.34E-06	4.95E-07	4.77E-07	9.72E-07
586	567252.14	4216924.01	6.66E-06	6.64E-06	1.33E-05	5.78E-06	5.87E-06	1.17E-05	6.98E-07	9.52E-07	1.65E-06	6.08E-07	5.86E-07	1.19E-06
587	567229.14	4216862.53	4.48E-06	4.47E-06	8.95E-06	3.89E-06	3.95E-06	7.84E-06	4.70E-07	6.41E-07	1.11E-06	4.10E-07	3.95E-07	8.04E-07
588	567221.24	4216857.02	4.54E-06	4.53E-06	9.07E-06	3.94E-06	4.01E-06	7.95E-06	4.76E-07	6.49E-07	1.13E-06	4.15E-07	4.00E-07	8.15E-07
589	567213.33	4216851.51	4.56E-06	4.55E-06	9.11E-06	3.96E-06	4.02E-06	7.98E-06	4.78E-07	6.52E-07	1.13E-06	4.17E-07	4.02E-07	8.18E-07
590	567205.42	4216845.99	4.51E-06	4.50E-06	9.01E-06	3.92E-06	3.98E-06	7.90E-06	4.73E-07	6.45E-07	1.12E-06	4.12E-07	3.97E-07	8.09E-07
591	567197.52	4216840.48	4.41E-06	4.40E-06	8.81E-06	3.83E-06	3.89E-06	7.72E-06	4.63E-07	6.31E-07	1.09E-06	4.03E-07	3.89E-07	7.92E-07
592	567189.61	4216834.96	4.27E-06	4.26E-06	8.53E-06	3.71E-06	3.77E-06	7.47E-06	4.48E-07	6.11E-07	1.06E-06	3.90E-07	3.76E-07	7.66E-07
593	567181.7	4216829.45	4.09E-06	4.08E-06	8.17E-06	3.55E-06	3.61E-06	7.16E-06	4.29E-07	5.85E-07	1.01E-06	3.74E-07	3.60E-07	7.34E-07
594	567173.79	4216823.93	3.88E-06	3.87E-06	7.75E-06	3.37E-06	3.43E-06	6.79E-06	4.07E-07	5.55E-07	9.62E-07	3.55E-07	3.42E-07	6.96E-07
595	567165.89	4216818.42	3.65E-06	3.63E-06	7.28E-06	3.16E-06	3.22E-06	6.38E-06	3.82E-07	5.21E-07	9.04E-07	3.33E-07	3.21E-07	6.54E-07
596	567142.17	4216801.88	2.87E-06	2.86E-06	5.74E-06	2.49E-06	2.53E-06	5.03E-06	3.01E-07	4.11E-07	7.12E-07	2.62E-07	2.53E-07	5.15E-07
597	567134.26	4216796.36	2.62E-06	2.61E-06	5.23E-06	2.27E-06	2.31E-06	4.59E-06	2.75E-07	3.75E-07	6.50E-07	2.39E-07	2.31E-07	4.70E-07
598	567126.35	4216790.85	2.39E-06	2.38E-06	4.76E-06	2.07E-06	2.10E-06	4.17E-06	2.50E-07	3.41E-07	5.91E-07	2.18E-07	2.10E-07	4.28E-07
599	567252.75	4216875.77	4.01E-06	4.00E-06	8.01E-06	3.48E-06	3.54E-06	7.01E-06	4.21E-07	5.73E-07	9.94E-07	3.66E-07	3.53E-07	7.19E-07
600	567257.73	4216883.73	4.10E-06	4.09E-06	8.19E-06	3.56E-06	3.62E-06	7.17E-06	4.30E-07	5.86E-07	1.02E-06	3.74E-07	3.61E-07	7.35E-07
601	567262.72	4216891.69	4.15E-06	4.14E-06	8.29E-06	3.60E-06	3.66E-06	7.27E-06	4.36E-07	5.94E-07	1.03E-06	3.79E-07	3.66E-07	7.45E-07
602	567265.43	4216908.77	4.68E-06	4.66E-06	9.34E-06	4.06E-06	4.13E-06	8.19E-06	4.91E-07	6.69E-07	1.16E-06	4.27E-07	4.12E-07	8.39E-07
603	567263.15	4216917.88	5.25E-06	5.24E-06	1.05E-05	4.56E-06	4.64E-06	9.19E-06	5.51E-07	7.51E-07	1.30E-06	4.80E-07	4.63E-07	9.43E-07
604	567260.88	4216927	5.88E-06	5.86E-06	1.17E-05	5.10E-06	5.19E-06	1.03E-05	6.17E-07	8.40E-07	1.46E-06	5.37E-07	5.17E-07	1.05E-06
605	567242.77	4216859.85	3.72E-06	3.71E-06	7.42E-06	3.23E-06	3.28E-06	6.50E-06	3.90E-07	5.31E-07	9.21E-07	3.40E-07	3.27E-07	6.67E-07
606	567234.86	4216854.33	3.76E-06	3.75E-06	7.51E-06	3.26E-06	3.32E-06	6.58E-06	3.94E-07	5.37E-07	9.32E-07	3.43E-07	3.31E-07	6.74E-07
607	567226.96	4216848.82	3.79E-06	3.78E-06	7.57E-06	3.29E-06	3.34E-06	6.63E-06	3.97E-07	5.42E-07	9.39E-07	3.46E-07	3.34E-07	6.80E-07
608	567219.05	4216843.3	3.80E-06	3.79E-06	7.59E-06	3.30E-06	3.35E-06	6.65E-06	3.99E-07	5.43E-07	9.42E-07	3.47E-07	3.35E-07	6.82E-07
609	567211.14	4216837.79	3.77E-06	3.75E-06	7.52E-06	3.27E-06	3.32E-06	6.59E-06	3.95E-07	5.38E-07	9.33E-07	3.44E-07	3.31E-07	6.75E-07
610	567203.24	4216832.27	3.68E-06	3.67E-06	7.35E-06	3.19E-06	3.25E-06	6.44E-06	3.86E-07	5.26E-07	9.12E-07	3.36E-07	3.24E-07	6.60E-07
611	567195.33	4216826.76	3.56E-06	3.55E-06	7.12E-06	3.09E-06	3.14E-06	6.23E-06	3.74E-07	5.09E-07	8.83E-07	3.25E-07	3.14E-07	6.39E-07
612	567187.42	4216821.25	3.42E-06	3.41E-06	6.83E-06	2.97E-06	3.02E-06	5.98E-06	3.59E-07	4.89E-07	8.48E-07	3.12E-07	3.01E-07	6.13E-07
613	567179.51	4216815.73	3.25E-06	3.24E-06	6.49E-06	2.82E-06	2.87E-06	5.69E-06	3.41E-07	4.65E-07	8.06E-07	2.97E-07	2.86E-07	5.83E-07
614	567171.61	4216810.22	3.07E-06	3.06E-06	6.13E-06	2.66E-06	2.71E-06	5.37E-06	3.22E-07	4.39E-07	7.61E-07	2.80E-07	2.70E-07	5.51E-07
615	567147.89	4216793.67	2.47E-06	2.47E-06	4.94E-06	2.15E-06	2.18E-06	4.33E-06	2.59E-07	3.53E-07	6.13E-07	2.26E-07	2.18E-07	4.44E-07
616	567139.98	4216788.16	2.28E-06	2.27E-06	4.55E-06	1.98E-06	2.01E-06	3.98E-06	2.39E-07	3.26E-07	5.64E-07	2.08E-07	2.00E-07	4.08E-07
617	567132.07	4216782.65	2.09E-06	2.09E-06	4.18E-06	1.81E-06	1.85E-06	3.66E-06	2.19E-07	2.99E-07	5.18E-07	1.91E-07	1.84E-07	3.75E-07
618	567263.04	4216874.86	3.53E-06	3.51E-06	7.04E-06	3.06E-06	3.11E-06	6.17E-06	3.70E-07	5.04E-07	8.74E-07	3.22E-07	3.10E-07	6.32E-07
619	567272.74	4216890.35	3.61E-06	3.60E-06	7.21E-06	3.13E-06	3.19E-06	6.32E-06	3.79E-07	5.16E-07	8.95E-07	3.30E-07	3.18E-07	6.48E-07
620	567275.37	4216906.95	4.02E-06	4.01E-06	8.03E-06	3.49E-06	3.55E-06	7.03E-06	4.22E-07	5.75E-07	9.96E-07	3.67E-07	3.54E-07	7.21E-07
621	567273.16	4216915.81	4.45E-06	4.44E-06	8.90E-06	3.86E-06	3.93E-06	7.79E-06	4.67E-07	6.37E-07	1.10E-06	4.07E-07	3.92E-07	7.99E-07
622	567268.73	4216933.53	5.44E-06	5.42E-06	1.09E-05	4.72E-06	4.80E-06	9.52E-06	5.70E-07	7.77E-07	1.35E-06	4.97E-07	4.79E-07	9.75E-07
623	567248.49	4216851.64	3.19E-06	3.18E-06	6.37E-06	2.77E-06	2.82E-06	5.58E-06	3.35E-07	4.56E-07	7.91E-07	2.91E-07	2.81E-07	5.72E-07
624	567240.58	4216846.13	3.22E-06	3.21E-06	6.42E-06	2.79E-06	2.84E-06	5.63E-06	3.37E-07	4.60E-07	7.97E-07	2.94E-07	2.83E-07	5.77E-07
625	567232.68	4216840.61	3.23E-06	3.22E-06	6.45E-06	2.80E-06	2.85E-06	5.65E-06	3.39E-07	4.62E-07	8.01E-07	2.95E-07	2.84E-07	5.80E-07
626	567224.77	4216835.1	3.24E-06	3.23E-06	6.47E-06	2.81E-06	2.86E-06	5.67E-06	3.40E-07	4.63E-07	8.03E-07	2.96E-07	2.85E-07	5.81E-07
627	567216.86	4216829.59	3.20E-06	3.19E-06	6.39E-06	2.78E-06	2.82E-06	5.60E-06	3.36E-07	4.57E-07	7.93E-07	2.92E-07	2.82E-07	5.74E-07
628	567208.96	4216824.07	3.13E-06	3.12E-06	6.24E-06	2.71E-06	2.76E-06	5.47E-06	3.28E-07	4.47E-07	7.75E-07	2.86E-07	2.75E-07	5.61E-07
629	567201.05	4216818.56	3.03E-06	3.02E-06	6.05E-06	2.63E-06	2.67E-06	5.30E-06	3.18E-07	4.33E-07	7.51E-07	2.77E-07	2.67E-07	5.43E-07
630	567193.14	4216813.04	2.91E-06	2.90E-06	5.81E-06	2.53E-06	2.57E-06	5.09E-06	3.05E-07	4.16E-07	7.22E-07	2.66E-07	2.56E-07	5.22E-07
631	567185.23	4216807.53	2.78E-06	2.77E-06	5.55E-06	2.41E-06	2.45E-06	4.86E-06	2.91E-07	3.97E-07	6.89E-07	2.54E-07	2.45E-07	4.98E-07
632	567161.51	4216790.99	2.32E-06	2.31E-06	4.63E-06	2.01E-06	2.05E-06	4.06E-06	2.43E-07	3.32E-07	5.75E-07	2.12E-07	2.04E-07	4.16E-07
633	567153.61	4216785.47	2.16E-06	2.15E-06	4.31E-06	1.87E-06	1.90E-06	3.78E-06	2.27E-07	3.09E-07	5.35E-07	1.97E-07	1.90E-07	3.87E-07
634	567145.7	4216779.96	2.00E-06	1.99E-06	4.00E-06	1.74E-06	1.77E-06	3.50E-06	2.10E-07	2.86E-07	4.96E-07	1.83E-07	1.76E-07	3.59E-07
635	567137.79	4216774.44	1.85E-06	1.85E-06	3.70E-06	1.61E-06	1.63E-06	3.24E-06	1.94E-07	2.65E-07	4.59E-07	1.69E-07	1.63E-07	3.32E-07

636	567258.96	4216851.02	2.88E-06	2.87E-06	5.75E-06	2.50E-06	2.54E-06	5.04E-06	3.02E-07	4.12E-07	7.14E-07	2.63E-07	2.54E-07	5.17E-07
637	567273.21	4216873.77	3.11E-06	3.10E-06	6.21E-06	2.70E-06	2.74E-06	5.44E-06	3.26E-07	4.44E-07	7.70E-07	2.84E-07	2.74E-07	5.57E-07
638	567282.71	4216888.94	3.18E-06	3.17E-06	6.34E-06	2.75E-06	2.80E-06	5.56E-06	3.33E-07	4.54E-07	7.87E-07	2.90E-07	2.79E-07	5.70E-07
639	567285.29	4216905.2	3.50E-06	3.49E-06	6.99E-06	3.04E-06	3.09E-06	6.13E-06	3.67E-07	5.01E-07	8.68E-07	3.20E-07	3.08E-07	6.28E-07
640	567283.12	4216913.88	3.84E-06	3.83E-06	7.67E-06	3.33E-06	3.39E-06	6.72E-06	4.03E-07	5.49E-07	9.51E-07	3.51E-07	3.38E-07	6.89E-07
641	567278.79	4216931.24	4.61E-06	4.59E-06	9.20E-06	4.00E-06	4.07E-06	8.06E-06	4.83E-07	6.59E-07	1.14E-06	4.21E-07	4.06E-07	8.27E-07
642	567246.3	4216837.93	2.80E-06	2.79E-06	5.59E-06	2.43E-06	2.47E-06	4.89E-06	2.93E-07	4.00E-07	6.93E-07	2.55E-07	2.46E-07	5.02E-07
643	567238.4	4216832.41	2.80E-06	2.80E-06	5.60E-06	2.43E-06	2.47E-06	4.91E-06	2.94E-07	4.01E-07	6.95E-07	2.56E-07	2.47E-07	5.03E-07
644	567230.49	4216826.9	2.80E-06	2.79E-06	5.59E-06	2.43E-06	2.47E-06	4.90E-06	2.94E-07	4.00E-07	6.94E-07	2.56E-07	2.47E-07	5.02E-07
645	567222.58	4216821.38	2.76E-06	2.75E-06	5.51E-06	2.39E-06	2.43E-06	4.83E-06	2.89E-07	3.94E-07	6.84E-07	2.52E-07	2.43E-07	4.95E-07
646	567214.68	4216815.87	2.70E-06	2.69E-06	5.38E-06	2.34E-06	2.38E-06	4.72E-06	2.83E-07	3.85E-07	6.68E-07	2.46E-07	2.37E-07	4.83E-07
647	567206.77	4216810.36	2.61E-06	2.61E-06	5.22E-06	2.27E-06	2.31E-06	4.57E-06	2.74E-07	3.74E-07	6.48E-07	2.39E-07	2.30E-07	4.69E-07
648	567198.86	4216804.84	2.52E-06	2.51E-06	5.03E-06	2.18E-06	2.22E-06	4.40E-06	2.64E-07	3.60E-07	6.24E-07	2.30E-07	2.22E-07	4.51E-07
649	567175.14	4216788.3	2.17E-06	2.16E-06	4.33E-06	1.88E-06	1.91E-06	3.79E-06	2.27E-07	3.10E-07	5.37E-07	1.98E-07	1.91E-07	3.89E-07
650	567167.23	4216782.78	2.04E-06	2.03E-06	4.07E-06	1.77E-06	1.80E-06	3.56E-06	2.14E-07	2.91E-07	5.05E-07	1.86E-07	1.79E-07	3.65E-07
651	567159.33	4216777.27	1.91E-06	1.90E-06	3.81E-06	1.65E-06	1.68E-06	3.33E-06	2.00E-07	2.72E-07	4.72E-07	1.74E-07	1.68E-07	3.42E-07
652	567151.42	4216771.76	1.78E-06	1.77E-06	3.55E-06	1.54E-06	1.57E-06	3.11E-06	1.86E-07	2.54E-07	4.40E-07	1.62E-07	1.56E-07	3.19E-07
653	567143.51	4216766.24	1.65E-06	1.65E-06	3.30E-06	1.44E-06	1.46E-06	2.89E-06	1.74E-07	2.36E-07	4.10E-07	1.51E-07	1.46E-07	2.97E-07
654	567264.61	4216842.7	2.53E-06	2.52E-06	5.05E-06	2.19E-06	2.23E-06	4.42E-06	2.65E-07	3.61E-07	6.26E-07	2.31E-07	2.22E-07	4.53E-07
655	567283.31	4216872.56	2.76E-06	2.75E-06	5.51E-06	2.40E-06	2.44E-06	4.83E-06	2.90E-07	3.95E-07	6.84E-07	2.52E-07	2.43E-07	4.95E-07
656	567292.66	4216887.49	2.81E-06	2.81E-06	5.62E-06	2.44E-06	2.48E-06	4.92E-06	2.95E-07	4.02E-07	6.97E-07	2.57E-07	2.48E-07	5.05E-07
657	567295.2	4216903.5	3.08E-06	3.07E-06	6.15E-06	2.67E-06	2.72E-06	5.39E-06	3.23E-07	4.40E-07	7.63E-07	2.81E-07	2.71E-07	5.53E-07
658	567290.93	4216920.59	3.64E-06	3.63E-06	7.28E-06	3.16E-06	3.21E-06	6.38E-06	3.82E-07	5.21E-07	9.03E-07	3.33E-07	3.21E-07	6.54E-07
659	567252.02	4216829.72	2.45E-06	2.45E-06	4.90E-06	2.13E-06	2.16E-06	4.29E-06	2.57E-07	3.51E-07	6.08E-07	2.24E-07	2.16E-07	4.40E-07
660	567244.12	4216824.21	2.46E-06	2.45E-06	4.91E-06	2.13E-06	2.17E-06	4.30E-06	2.58E-07	3.51E-07	6.09E-07	2.24E-07	2.16E-07	4.41E-07
661	567236.21	4216818.7	2.45E-06	2.44E-06	4.89E-06	2.12E-06	2.16E-06	4.28E-06	2.57E-07	3.50E-07	6.06E-07	2.23E-07	2.15E-07	4.39E-07
662	567228.3	4216813.18	2.41E-06	2.40E-06	4.81E-06	2.09E-06	2.12E-06	4.21E-06	2.53E-07	3.44E-07	5.97E-07	2.20E-07	2.12E-07	4.32E-07
663	567220.4	4216807.67	2.35E-06	2.35E-06	4.70E-06	2.04E-06	2.08E-06	4.12E-06	2.47E-07	3.36E-07	5.83E-07	2.15E-07	2.07E-07	4.22E-07
664	567212.49	4216802.15	2.28E-06	2.28E-06	4.56E-06	1.98E-06	2.02E-06	4.00E-06	2.40E-07	3.27E-07	5.66E-07	2.09E-07	2.01E-07	4.10E-07
665	567188.77	4216785.61	2.02E-06	2.01E-06	4.02E-06	1.75E-06	1.78E-06	3.53E-06	2.11E-07	2.88E-07	4.99E-07	1.84E-07	1.77E-07	3.61E-07
666	567180.86	4216780.1	1.91E-06	1.91E-06	3.82E-06	1.66E-06	1.69E-06	3.35E-06	2.01E-07	2.73E-07	4.74E-07	1.75E-07	1.68E-07	3.43E-07
667	567172.95	4216774.58	1.81E-06	1.80E-06	3.61E-06	1.57E-06	1.59E-06	3.16E-06	1.90E-07	2.58E-07	4.48E-07	1.65E-07	1.59E-07	3.24E-07
668	567165.05	4216769.07	1.70E-06	1.69E-06	3.39E-06	1.47E-06	1.50E-06	2.97E-06	1.78E-07	2.43E-07	4.21E-07	1.55E-07	1.50E-07	3.05E-07
669	567157.14	4216763.55	1.59E-06	1.59E-06	3.18E-06	1.38E-06	1.40E-06	2.79E-06	1.67E-07	2.28E-07	3.95E-07	1.45E-07	1.40E-07	2.86E-07
670	567149.23	4216758.04	1.49E-06	1.49E-06	2.98E-06	1.29E-06	1.32E-06	2.61E-06	1.56E-07	2.13E-07	3.70E-07	1.36E-07	1.31E-07	2.67E-07
671	567270.27	4216834.41	2.23E-06	2.23E-06	4.46E-06	1.94E-06	1.97E-06	3.91E-06	2.34E-07	3.19E-07	5.53E-07	2.04E-07	1.96E-07	4.00E-07
672	567279.51	4216849.15	2.35E-06	2.35E-06	4.70E-06	2.04E-06	2.08E-06	4.12E-06	2.47E-07	3.36E-07	5.83E-07	2.15E-07	2.07E-07	4.22E-07
673	567288.74	4216863.9	2.44E-06	2.43E-06	4.87E-06	2.12E-06	2.15E-06	4.27E-06	2.56E-07	3.49E-07	6.05E-07	2.23E-07	2.15E-07	4.38E-07
674	567297.98	4216878.64	2.49E-06	2.49E-06	4.98E-06	2.16E-06	2.20E-06	4.36E-06	2.62E-07	3.57E-07	6.18E-07	2.28E-07	2.20E-07	4.47E-07
675	567305.11	4216901.82	2.72E-06	2.72E-06	5.44E-06	2.36E-06	2.40E-06	4.77E-06	2.86E-07	3.89E-07	6.75E-07	2.49E-07	2.40E-07	4.89E-07
676	567300.89	4216918.7	3.19E-06	3.18E-06	6.37E-06	2.77E-06	2.81E-06	5.58E-06	3.35E-07	4.56E-07	7.90E-07	2.91E-07	2.81E-07	5.72E-07
677	567257.74	4216821.52	2.17E-06	2.16E-06	4.33E-06	1.88E-06	1.91E-06	3.80E-06	2.28E-07	3.10E-07	5.38E-07	1.98E-07	1.91E-07	3.89E-07
678	567249.84	4216816.01	2.17E-06	2.16E-06	4.33E-06	1.88E-06	1.91E-06	3.80E-06	2.28E-07	3.10E-07	5.38E-07	1.98E-07	1.91E-07	3.89E-07
679	567241.93	4216810.49	2.16E-06	2.15E-06	4.31E-06	1.87E-06	1.90E-06	3.77E-06	2.26E-07	3.08E-07	5.35E-07	1.97E-07	1.90E-07	3.87E-07
680	567234.02	4216804.98	2.12E-06	2.12E-06	4.24E-06	1.84E-06	1.87E-06	3.72E-06	2.23E-07	3.04E-07	5.26E-07	1.94E-07	1.87E-07	3.81E-07
681	567226.12	4216799.46	2.08E-06	2.07E-06	4.15E-06	1.80E-06	1.83E-06	3.63E-06	2.18E-07	2.97E-07	5.15E-07	1.90E-07	1.83E-07	3.73E-07
682	567202.39	4216782.92	1.87E-06	1.87E-06	3.74E-06	1.62E-06	1.65E-06	3.28E-06	1.96E-07	2.68E-07	4.64E-07	1.71E-07	1.65E-07	3.36E-07
683	567194.49	4216777.41	1.79E-06	1.79E-06	3.58E-06	1.55E-06	1.58E-06	3.13E-06	1.88E-07	2.56E-07	4.44E-07	1.64E-07	1.58E-07	3.21E-07
684	567186.58	4216771.89	1.71E-06	1.70E-06	3.41E-06	1.48E-06	1.50E-06	2.98E-06	1.79E-07	2.44E-07	4.23E-07	1.56E-07	1.50E-07	3.06E-07
685	567178.67	4216766.38	1.62E-06	1.61E-06	3.23E-06	1.40E-06	1.43E-06	2.83E-06	1.70E-07	2.31E-07	4.01E-07	1.48E-07	1.42E-07	2.90E-07
686	567170.77	4216760.86	1.53E-06	1.52E-06	3.05E-06	1.32E-06	1.35E-06	2.67E-06	1.60E-07	2.18E-07	3.78E-07	1.39E-07	1.34E-07	2.74E-07
687	567162.86	4216755.35	1.44E-06	1.43E-06	2.87E-06	1.25E-06	1.27E-06	2.52E-06	1.51E-07	2.06E-07	3.56E-07	1.31E-07	1.27E-07	2.58E-07
688	567154.95	4216749.84	1.35E-06	1.35E-06	2.70E-06	1.17E-06	1.19E-06	2.37E-06	1.42E-07	1.94E-07	3.36E-07	1.24E-07	1.19E-07	2.43E-07
689	567276.45	4216826.94	2.00E-06	1.99E-06	3.98E-06	1.73E-06	1.76E-06	3.49E-06	2.09E-07	2.85E-07	4.95E-07	1.82E-07	1.76E-07	3.58E-07
690	567281.53	4216835.05	2.06E-06	2.05E-06	4.11E-06	1.78E-06	1.81E-06	3.60E-06	2.16E-07	2.94E-07	5.10E-07	1.88E-07	1.81E-07	3.69E-07
691	567286.61	4216843.16	2.11E-06	2.10E-06	4.21E-06	1.83E-06	1.86E-06	3.69E-06	2.21E-07	3.02E-07	5.23E-07	1.93E-07	1.86E-07	3.79E-07
692	567296.77	4216859.38	2.19E-06	2.19E-06	4.38E-06	1.90E-06	1.93E-06	3.84E-06	2.30E-07	3.13E-07	5.43E-07	2.00E-07	1.93E-07	3.93E-07
693	567301.85	4216867.49	2.22E-06	2.21E-06	4.43E-06	1.93E-06	1.96E-06	3.88E-06	2.33E-07	3.17E-07	5.50E-07	2.03E-07	1.95E-07	3.98E-07
694	567306.93	4216875.6	2.24E-06	2.23E-06	4.47E-06	1.94E-06	1.98E-06	3.92E-06	2.35E-07	3.20E-07	5.55E-07	2.05E-07	1.97E-07	4.02E-07
695	567312.01	4216883.71	2.25E-06	2.24E-06	4.50E-06	1.95E-06	1.99E-06	3.94E-06	2.36E-07	3.22E-07	5.58E-07	2.06E-07	1.98E-07	4.04E-07
696	567314.77	4216901.1	2.45E-06	2.44E-06	4.89E-06	2.12E-06	2.16E-06	4.28E-06	2.57E-07	3.50E-07	6.07E-07	2.24E-07	2.16E-07	4.39E-07
697	567312.45	4216910.38	2.66E-06	2.65E-06	5.31E-06	2.31E-06	2.35E-06	4.65E-06	2.79E-07	3.80E-07	6.59E-07	2.43E-07	2.34E-07	4.77E-07
698	567310.13	4216919.66	2.89E-06	2.88E-06	5.77E-06	2.51E-06	2.55E-06	5.05E-06	3.03E-07	4.13E-07	7.16E-07	2.64E-07	2.54E-07	5.18E-07
699	567303.18	4216947.52	3.68E-06	3.66E-06	7.34E-06	3.19E-06	3.24E-06	6.43E-06	3.86E-07	5.25E-07	9.11E-07	3.36E-07	3.24E-07	6.59E-07
700	567271.37	4216818.83	1.93E-06	1.92E-06	3.85E-06	1.67E-06	1.70E-06	3.37E-06	2.02E-07	2.76E-07	4.78E-07	1.76E-07	1.70E-07	3.46E-07
701	567263.46	4216813.32	1.93E-06	1.93E-06	3.86E-06	1.68E-06	1.70E-06	3.38E-06	2.03E-07	2.76E-07	4.79E-07	1.77E-07	1.70E-07	3.47E-07
702	567255.56	4216807.81	1.93E-06	1.92E-06	3.85E-06	1.67E-06	1.70E-06	3.37E-06	2.02E-07	2.76E-07	4.78E-07	1.76E-07	1.70E-07	3.46E-07
703	567247.65	4216802.29	1.91E-06	1.91E-06	3.82E-06	1.66E-06	1.69E-06	3.35E-06	2.01E-07	2.74E-07	4.75E-07	1.75E-07	1.69E-07	3.43E-07
704	567239.74	4216796.78	1.89E-06	1.88E-06	3.77E-06	1.64E-06	1.67E-06	3.31E-06	1.98E-07	2.70E-07	4.68E-07	1.73E-07	1.66E-07	3.39E-07
705	567216.02	4216780.23	1.74E-06	1.74E-06	3.48E-06	1.51E-06	1.54E-06	3.05E-06	1.83E-07	2.49E-07	4.31E-07	1.59E-07	1.53E-07	3.12E-07
706	567208.11	4216774.72	1.68E-06	1.67E-06	3.35E-06	1.45E-06	1.48E-06	2.93E-06	1.76E-07	2.39E-07	4.15E-07	1.53E-07	1.47E-07	3.01E-07

707	567200.21	4216769.21	1.61E-06	1.60E-06	3.21E-06	1.39E-06	1.42E-06	2.81E-06	1.68E-07	2.30E-07	3.98E-07	1.47E-07	1.41E-07	2.88E-07
708	567192.3	4216763.69	1.53E-06	1.53E-06	3.06E-06	1.33E-06	1.35E-06	2.68E-06	1.61E-07	2.19E-07	3.80E-07	1.40E-07	1.35E-07	2.75E-07
709	567184.39	4216758.18	1.46E-06	1.45E-06	2.91E-06	1.27E-06	1.29E-06	2.55E-06	1.53E-07	2.08E-07	3.61E-07	1.33E-07	1.28E-07	2.62E-07
710	567176.49	4216752.66	1.38E-06	1.38E-06	2.76E-06	1.20E-06	1.22E-06	2.42E-06	1.45E-07	1.98E-07	3.43E-07	1.26E-07	1.22E-07	2.48E-07
711	567168.58	4216747.15	1.31E-06	1.30E-06	2.61E-06	1.13E-06	1.15E-06	2.29E-06	1.37E-07	1.87E-07	3.24E-07	1.19E-07	1.15E-07	2.35E-07
712	567160.67	4216741.63	1.24E-06	1.23E-06	2.47E-06	1.07E-06	1.09E-06	2.16E-06	1.30E-07	1.77E-07	3.06E-07	1.13E-07	1.09E-07	2.22E-07
713	567282.08	4216818.59	1.79E-06	1.79E-06	3.58E-06	1.55E-06	1.58E-06	3.13E-06	1.88E-07	2.56E-07	4.44E-07	1.64E-07	1.58E-07	3.21E-07
714	567287.07	4216826.55	1.84E-06	1.84E-06	3.68E-06	1.60E-06	1.63E-06	3.23E-06	1.93E-07	2.64E-07	4.57E-07	1.68E-07	1.62E-07	3.31E-07
715	567292.05	4216834.52	1.89E-06	1.89E-06	3.78E-06	1.64E-06	1.67E-06	3.31E-06	1.98E-07	2.70E-07	4.69E-07	1.73E-07	1.67E-07	3.39E-07
716	567297.04	4216842.48	1.93E-06	1.93E-06	3.86E-06	1.68E-06	1.70E-06	3.38E-06	2.03E-07	2.76E-07	4.79E-07	1.77E-07	1.70E-07	3.47E-07
717	567307.02	4216858.4	1.99E-06	1.99E-06	3.98E-06	1.73E-06	1.76E-06	3.49E-06	2.09E-07	2.85E-07	4.94E-07	1.82E-07	1.75E-07	3.57E-07
718	567312	4216866.36	2.01E-06	2.01E-06	4.02E-06	1.75E-06	1.78E-06	3.52E-06	2.11E-07	2.88E-07	4.99E-07	1.84E-07	1.77E-07	3.61E-07
719	567316.99	4216874.32	2.03E-06	2.02E-06	4.05E-06	1.76E-06	1.79E-06	3.55E-06	2.13E-07	2.90E-07	5.02E-07	1.85E-07	1.78E-07	3.63E-07
720	567321.98	4216882.29	2.03E-06	2.03E-06	4.06E-06	1.77E-06	1.79E-06	3.56E-06	2.13E-07	2.91E-07	5.04E-07	1.86E-07	1.79E-07	3.65E-07
721	567324.69	4216899.36	2.20E-06	2.19E-06	4.38E-06	1.90E-06	1.94E-06	3.84E-06	2.30E-07	3.14E-07	5.44E-07	2.01E-07	1.93E-07	3.94E-07
722	567322.41	4216908.48	2.37E-06	2.36E-06	4.73E-06	2.06E-06	2.09E-06	4.15E-06	2.49E-07	3.39E-07	5.87E-07	2.16E-07	2.09E-07	4.25E-07
723	567320.14	4216917.59	2.56E-06	2.55E-06	5.11E-06	2.22E-06	2.26E-06	4.48E-06	2.69E-07	3.66E-07	6.35E-07	2.34E-07	2.25E-07	4.59E-07
724	567313.31	4216944.93	3.22E-06	3.21E-06	6.43E-06	2.79E-06	2.84E-06	5.63E-06	3.38E-07	4.60E-07	7.98E-07	2.94E-07	2.83E-07	5.77E-07
725	567311.03	4216954.05	3.46E-06	3.44E-06	6.90E-06	3.00E-06	3.05E-06	6.05E-06	3.62E-07	4.94E-07	8.56E-07	3.16E-07	3.04E-07	6.20E-07
726	567277.09	4216810.63	1.73E-06	1.73E-06	3.46E-06	1.50E-06	1.53E-06	3.03E-06	1.82E-07	2.48E-07	4.29E-07	1.58E-07	1.52E-07	3.11E-07
727	567269.19	4216805.12	1.73E-06	1.73E-06	3.46E-06	1.50E-06	1.53E-06	3.03E-06	1.82E-07	2.48E-07	4.30E-07	1.58E-07	1.53E-07	3.11E-07
728	567261.28	4216799.6	1.73E-06	1.72E-06	3.45E-06	1.50E-06	1.52E-06	3.02E-06	1.81E-07	2.47E-07	4.28E-07	1.58E-07	1.52E-07	3.10E-07
729	567253.37	4216794.09	1.71E-06	1.71E-06	3.42E-06	1.49E-06	1.51E-06	3.00E-06	1.80E-07	2.45E-07	4.25E-07	1.56E-07	1.51E-07	3.07E-07
730	567245.46	4216788.57	1.69E-06	1.69E-06	3.38E-06	1.47E-06	1.49E-06	2.96E-06	1.77E-07	2.42E-07	4.19E-07	1.54E-07	1.49E-07	3.03E-07
731	567221.74	4216772.03	1.57E-06	1.56E-06	3.13E-06	1.36E-06	1.38E-06	2.74E-06	1.64E-07	2.24E-07	3.88E-07	1.43E-07	1.38E-07	2.81E-07
732	567213.84	4216766.52	1.51E-06	1.51E-06	3.02E-06	1.31E-06	1.33E-06	2.64E-06	1.58E-07	2.16E-07	3.74E-07	1.38E-07	1.33E-07	2.71E-07
733	567205.93	4216761	1.45E-06	1.45E-06	2.90E-06	1.26E-06	1.28E-06	2.54E-06	1.52E-07	2.07E-07	3.59E-07	1.32E-07	1.28E-07	2.60E-07
734	567198.02	4216755.49	1.39E-06	1.38E-06	2.77E-06	1.20E-06	1.22E-06	2.43E-06	1.46E-07	1.98E-07	3.44E-07	1.27E-07	1.22E-07	2.49E-07
735	567190.11	4216749.97	1.32E-06	1.32E-06	2.64E-06	1.15E-06	1.17E-06	2.32E-06	1.39E-07	1.89E-07	3.28E-07	1.21E-07	1.17E-07	2.37E-07
736	567182.21	4216744.46	1.26E-06	1.26E-06	2.51E-06	1.09E-06	1.11E-06	2.20E-06	1.32E-07	1.80E-07	3.12E-07	1.15E-07	1.11E-07	2.26E-07
737	567174.3	4216738.95	1.20E-06	1.19E-06	2.39E-06	1.04E-06	1.05E-06	2.09E-06	1.25E-07	1.71E-07	2.96E-07	1.09E-07	1.05E-07	2.14E-07
738	567166.39	4216733.43	1.13E-06	1.13E-06	2.26E-06	9.84E-07	1.00E-06	1.98E-06	1.19E-07	1.62E-07	2.81E-07	1.04E-07	9.98E-08	2.03E-07
739	567287.72	4216810.27	1.62E-06	1.61E-06	3.23E-06	1.40E-06	1.43E-06	2.83E-06	1.70E-07	2.31E-07	4.01E-07	1.48E-07	1.42E-07	2.90E-07
740	567297.55	4216825.95	1.71E-06	1.70E-06	3.41E-06	1.48E-06	1.51E-06	2.99E-06	1.79E-07	2.44E-07	4.23E-07	1.56E-07	1.50E-07	3.06E-07
741	567302.46	4216833.79	1.74E-06	1.74E-06	3.48E-06	1.51E-06	1.54E-06	3.05E-06	1.83E-07	2.49E-07	4.32E-07	1.59E-07	1.53E-07	3.13E-07
742	567317.2	4216857.32	1.82E-06	1.81E-06	3.63E-06	1.58E-06	1.61E-06	3.18E-06	1.91E-07	2.60E-07	4.51E-07	1.66E-07	1.60E-07	3.26E-07
743	567327.02	4216873	1.84E-06	1.84E-06	3.68E-06	1.60E-06	1.63E-06	3.23E-06	1.93E-07	2.64E-07	4.57E-07	1.68E-07	1.62E-07	3.31E-07
744	567331.93	4216880.84	1.85E-06	1.84E-06	3.69E-06	1.60E-06	1.63E-06	3.23E-06	1.94E-07	2.64E-07	4.58E-07	1.69E-07	1.63E-07	3.32E-07
745	567334.6	4216897.66	1.98E-06	1.98E-06	3.96E-06	1.72E-06	1.75E-06	3.47E-06	2.08E-07	2.83E-07	4.91E-07	1.81E-07	1.74E-07	3.55E-07
746	567332.36	4216906.63	2.13E-06	2.12E-06	4.25E-06	1.84E-06	1.88E-06	3.72E-06	2.23E-07	3.04E-07	5.27E-07	1.94E-07	1.87E-07	3.81E-07
747	567330.12	4216915.61	2.29E-06	2.28E-06	4.56E-06	1.98E-06	2.02E-06	4.00E-06	2.40E-07	3.27E-07	5.66E-07	2.09E-07	2.01E-07	4.10E-07
748	567323.39	4216942.54	2.84E-06	2.83E-06	5.68E-06	2.47E-06	2.51E-06	4.97E-06	2.98E-07	4.06E-07	7.05E-07	2.60E-07	2.50E-07	5.10E-07
749	567321.15	4216951.51	3.04E-06	3.03E-06	6.07E-06	2.64E-06	2.68E-06	5.32E-06	3.19E-07	4.35E-07	7.54E-07	2.78E-07	2.68E-07	5.46E-07
750	567282.81	4216802.43	1.57E-06	1.56E-06	3.13E-06	1.36E-06	1.38E-06	2.74E-06	1.64E-07	2.24E-07	3.88E-07	1.43E-07	1.38E-07	2.81E-07
751	567274.91	4216796.91	1.56E-06	1.56E-06	3.12E-06	1.36E-06	1.38E-06	2.74E-06	1.64E-07	2.24E-07	3.88E-07	1.43E-07	1.38E-07	2.81E-07
752	567267	4216791.4	1.56E-06	1.55E-06	3.11E-06	1.35E-06	1.37E-06	2.73E-06	1.63E-07	2.23E-07	3.86E-07	1.42E-07	1.37E-07	2.79E-07
753	567259.09	4216785.89	1.54E-06	1.54E-06	3.08E-06	1.34E-06	1.36E-06	2.70E-06	1.62E-07	2.21E-07	3.83E-07	1.41E-07	1.36E-07	2.77E-07
754	567235.37	4216769.34	1.46E-06	1.46E-06	2.92E-06	1.27E-06	1.29E-06	2.56E-06	1.53E-07	2.09E-07	3.62E-07	1.33E-07	1.29E-07	2.62E-07
755	567227.46	4216763.83	1.42E-06	1.41E-06	2.83E-06	1.23E-06	1.25E-06	2.48E-06	1.49E-07	2.03E-07	3.51E-07	1.29E-07	1.25E-07	2.54E-07
756	567219.56	4216758.31	1.37E-06	1.37E-06	2.73E-06	1.19E-06	1.21E-06	2.40E-06	1.44E-07	1.96E-07	3.39E-07	1.25E-07	1.21E-07	2.46E-07
757	567211.65	4216752.8	1.32E-06	1.31E-06	2.63E-06	1.14E-06	1.16E-06	2.31E-06	1.38E-07	1.88E-07	3.27E-07	1.20E-07	1.16E-07	2.36E-07
758	567203.74	4216747.29	1.26E-06	1.26E-06	2.52E-06	1.10E-06	1.12E-06	2.21E-06	1.33E-07	1.81E-07	3.13E-07	1.15E-07	1.11E-07	2.27E-07
759	567195.83	4216741.77	1.21E-06	1.21E-06	2.41E-06	1.05E-06	1.07E-06	2.12E-06	1.27E-07	1.73E-07	3.00E-07	1.10E-07	1.06E-07	2.17E-07
760	567187.93	4216736.26	1.15E-06	1.15E-06	2.30E-06	1.00E-06	1.02E-06	2.02E-06	1.21E-07	1.65E-07	2.86E-07	1.05E-07	1.02E-07	2.07E-07
761	567180.02	4216730.74	1.10E-06	1.09E-06	2.19E-06	9.53E-07	9.69E-07	1.92E-06	1.15E-07	1.57E-07	2.72E-07	1.00E-07	9.67E-08	1.97E-07
762	567172.11	4216725.23	1.04E-06	1.04E-06	2.09E-06	9.06E-07	9.22E-07	1.83E-06	1.10E-07	1.49E-07	2.59E-07	9.54E-08	9.20E-08	1.87E-07
763	567293.38	4216801.97	1.47E-06	1.46E-06	2.93E-06	1.27E-06	1.30E-06	2.57E-06	1.54E-07	2.10E-07	3.64E-07	1.34E-07	1.29E-07	2.64E-07
764	567303.08	4216817.45	1.55E-06	1.54E-06	3.09E-06	1.34E-06	1.37E-06	2.71E-06	1.62E-07	2.21E-07	3.84E-07	1.41E-07	1.36E-07	2.78E-07
765	567312.78	4216832.93	1.61E-06	1.61E-06	3.22E-06	1.40E-06	1.42E-06	2.82E-06	1.69E-07	2.30E-07	3.99E-07	1.47E-07	1.42E-07	2.89E-07
766	567332.17	4216863.89	1.68E-06	1.67E-06	3.35E-06	1.46E-06	1.48E-06	2.94E-06	1.76E-07	2.40E-07	4.16E-07	1.53E-07	1.48E-07	3.01E-07
767	567341.87	4216879.37	1.69E-06	1.68E-06	3.37E-06	1.46E-06	1.49E-06	2.95E-06	1.77E-07	2.41E-07	4.18E-07	1.54E-07	1.49E-07	3.03E-07
768	567344.51	4216895.97	1.80E-06	1.79E-06	3.59E-06	1.56E-06	1.59E-06	3.15E-06	1.89E-07	2.57E-07	4.46E-07	1.64E-07	1.58E-07	3.23E-07
769	567342.29	4216904.83	1.92E-06	1.91E-06	3.84E-06	1.67E-06	1.69E-06	3.36E-06	2.01E-07	2.75E-07	4.76E-07	1.75E-07	1.69E-07	3.45E-07
770	567333.44	4216940.28	2.53E-06	2.52E-06	5.04E-06	2.19E-06	2.23E-06	4.42E-06	2.65E-07	3.61E-07	6.26E-07	2.31E-07	2.22E-07	4.53E-07
771	567329.01	4216958	2.88E-06	2.87E-06	5.74E-06	2.49E-06	2.54E-06	5.03E-06	3.02E-07	4.11E-07	7.13E-07	2.63E-07	2.53E-07	5.16E-07
772	567288.53	4216794.23	1.42E-06	1.42E-06	2.84E-06	1.24E-06	1.26E-06	2.49E-06	1.49E-07	2.04E-07	3.53E-07	1.30E-07	1.25E-07	2.55E-07
773	567280.63	4216788.71	1.42E-06	1.42E-06	2.84E-06	1.23E-06	1.25E-06	2.49E-06	1.49E-07	2.03E-07	3.52E-07	1.30E-07	1.25E-07	2.55E-07
774	567272.72	4216783.2	1.41E-06	1.41E-06	2.82E-06	1.23E-06	1.25E-06	2.47E-06	1.48E-07	2.02E-07	3.50E-07	1.29E-07	1.24E-07	2.54E-07
775	567249	4216766.65	1.36E-06	1.36E-06	2.72E-06	1.18E-06	1.20E-06	2.38E-06	1.43E-07	1.95E-07	3.37E-07	1.24E-07	1.20E-07	2.44E-07
776	567241.09	4216761.14	1.33E-06	1.32E-06	2.65E-06	1.15E-06	1.17E-06	2.32E-06	1.39E-07	1.90E-07	3.29E-07	1.21E-07	1.17E-07	2.38E-07
777	567233.18	4216755.63	1.29E-06	1.29E-06	2.58E-06	1.12E-06	1.14E-06	2.26E-06	1.35E-07	1.84E-07	3.20E-07	1.18E-07	1.14E-07	2.31E-07

778	567225.28	4216750.11	1.25E-06	1.24E-06	2.49E-06	1.08E-06	1.10E-06	2.18E-06	1.31E-07	1.78E-07	3.09E-07	1.14E-07	1.10E-07	2.24E-07
779	567217.37	4216744.6	1.20E-06	1.20E-06	2.40E-06	1.04E-06	1.06E-06	2.11E-06	1.26E-07	1.72E-07	2.98E-07	1.10E-07	1.06E-07	2.16E-07
780	567209.46	4216739.08	1.16E-06	1.15E-06	2.31E-06	1.00E-06	1.02E-06	2.02E-06	1.21E-07	1.65E-07	2.87E-07	1.06E-07	1.02E-07	2.08E-07
781	567201.55	4216733.57	1.11E-06	1.11E-06	2.22E-06	9.62E-07	9.79E-07	1.94E-06	1.16E-07	1.59E-07	2.75E-07	1.01E-07	9.76E-08	1.99E-07
782	567193.65	4216728.05	1.06E-06	1.06E-06	2.12E-06	9.21E-07	9.36E-07	1.86E-06	1.11E-07	1.52E-07	2.63E-07	9.69E-08	9.34E-08	1.90E-07
783	567185.74	4216722.54	1.01E-06	1.01E-06	2.02E-06	8.80E-07	8.94E-07	1.77E-06	1.06E-07	1.45E-07	2.51E-07	9.26E-08	8.92E-08	1.82E-07
784	567177.83	4216717.03	9.68E-07	9.65E-07	1.93E-06	8.40E-07	8.54E-07	1.69E-06	1.02E-07	1.38E-07	2.40E-07	8.84E-08	8.52E-08	1.74E-07
785	567299.05	4216793.68	1.34E-06	1.34E-06	2.68E-06	1.16E-06	1.18E-06	2.34E-06	1.41E-07	1.92E-07	3.32E-07	1.22E-07	1.18E-07	2.40E-07
786	567303.84	4216801.33	1.38E-06	1.37E-06	2.75E-06	1.19E-06	1.21E-06	2.41E-06	1.44E-07	1.97E-07	3.41E-07	1.26E-07	1.21E-07	2.47E-07
787	567313.44	4216816.65	1.44E-06	1.44E-06	2.88E-06	1.25E-06	1.27E-06	2.53E-06	1.51E-07	2.06E-07	3.58E-07	1.32E-07	1.27E-07	2.59E-07
788	567318.23	4216824.3	1.47E-06	1.47E-06	2.93E-06	1.28E-06	1.30E-06	2.57E-06	1.54E-07	2.10E-07	3.64E-07	1.34E-07	1.29E-07	2.64E-07
789	567342.21	4216862.58	1.54E-06	1.54E-06	3.08E-06	1.34E-06	1.36E-06	2.70E-06	1.62E-07	2.20E-07	3.82E-07	1.41E-07	1.36E-07	2.77E-07
790	567351.8	4216877.89	1.55E-06	1.54E-06	3.09E-06	1.34E-06	1.36E-06	2.71E-06	1.62E-07	2.21E-07	3.83E-07	1.41E-07	1.36E-07	2.78E-07
791	567354.41	4216894.31	1.64E-06	1.64E-06	3.28E-06	1.42E-06	1.45E-06	2.87E-06	1.72E-07	2.35E-07	4.07E-07	1.50E-07	1.44E-07	2.94E-07
792	567350.03	4216911.84	1.86E-06	1.85E-06	3.71E-06	1.61E-06	1.64E-06	3.25E-06	1.95E-07	2.66E-07	4.60E-07	1.70E-07	1.64E-07	3.33E-07
793	567341.27	4216946.89	2.41E-06	2.40E-06	4.81E-06	2.09E-06	2.12E-06	4.21E-06	2.53E-07	3.44E-07	5.97E-07	2.20E-07	2.12E-07	4.32E-07
794	567336.89	4216964.42	2.72E-06	2.71E-06	5.43E-06	2.36E-06	2.40E-06	4.76E-06	2.85E-07	3.89E-07	6.74E-07	2.49E-07	2.40E-07	4.88E-07
795	567286.35	4216780.51	1.30E-06	1.29E-06	2.59E-06	1.13E-06	1.14E-06	2.27E-06	1.36E-07	1.85E-07	3.22E-07	1.19E-07	1.14E-07	2.33E-07
796	567262.62	4216763.97	1.26E-06	1.26E-06	2.51E-06	1.09E-06	1.11E-06	2.20E-06	1.32E-07	1.80E-07	3.12E-07	1.15E-07	1.11E-07	2.26E-07
797	567254.72	4216758.45	1.24E-06	1.24E-06	2.48E-06	1.08E-06	1.09E-06	2.17E-06	1.30E-07	1.77E-07	3.08E-07	1.13E-07	1.09E-07	2.23E-07
798	567246.81	4216752.94	1.21E-06	1.21E-06	2.42E-06	1.05E-06	1.07E-06	2.12E-06	1.27E-07	1.74E-07	3.01E-07	1.11E-07	1.07E-07	2.18E-07
799	567238.9	4216747.42	1.18E-06	1.18E-06	2.36E-06	1.02E-06	1.04E-06	2.07E-06	1.24E-07	1.69E-07	2.93E-07	1.08E-07	1.04E-07	2.12E-07
800	567231	4216741.91	1.14E-06	1.14E-06	2.28E-06	9.92E-07	1.01E-06	2.00E-06	1.20E-07	1.63E-07	2.83E-07	1.04E-07	1.01E-07	2.05E-07
801	567223.09	4216736.4	1.10E-06	1.10E-06	2.21E-06	9.59E-07	9.75E-07	1.93E-06	1.16E-07	1.58E-07	2.74E-07	1.01E-07	9.72E-08	1.98E-07
802	567215.18	4216730.88	1.06E-06	1.06E-06	2.12E-06	9.23E-07	9.39E-07	1.86E-06	1.12E-07	1.52E-07	2.64E-07	9.72E-08	9.37E-08	1.91E-07
803	567207.27	4216725.37	1.02E-06	1.02E-06	2.04E-06	8.87E-07	9.02E-07	1.79E-06	1.07E-07	1.46E-07	2.53E-07	9.34E-08	9.00E-08	1.83E-07
804	567199.37	4216719.85	9.81E-07	9.78E-07	1.96E-06	8.51E-07	8.65E-07	1.72E-06	1.03E-07	1.40E-07	2.43E-07	8.96E-08	8.64E-08	1.76E-07
805	567191.46	4216714.34	9.40E-07	9.37E-07	1.88E-06	8.16E-07	8.29E-07	1.64E-06	9.86E-08	1.34E-07	2.33E-07	8.59E-08	8.27E-08	1.69E-07
806	567305.09	4216785.99	1.23E-06	1.23E-06	2.46E-06	1.07E-06	1.08E-06	2.15E-06	1.29E-07	1.76E-07	3.05E-07	1.12E-07	1.08E-07	2.21E-07
807	567310.2	4216794.15	1.27E-06	1.26E-06	2.53E-06	1.10E-06	1.12E-06	2.21E-06	1.33E-07	1.81E-07	3.14E-07	1.16E-07	1.11E-07	2.27E-07
808	567315.32	4216802.32	1.30E-06	1.29E-06	2.59E-06	1.13E-06	1.15E-06	2.27E-06	1.36E-07	1.86E-07	3.22E-07	1.19E-07	1.14E-07	2.33E-07
809	567320.43	4216810.48	1.33E-06	1.32E-06	2.65E-06	1.15E-06	1.17E-06	2.32E-06	1.39E-07	1.90E-07	3.29E-07	1.21E-07	1.17E-07	2.38E-07
810	567325.55	4216818.65	1.36E-06	1.35E-06	2.71E-06	1.18E-06	1.20E-06	2.37E-06	1.42E-07	1.94E-07	3.36E-07	1.24E-07	1.19E-07	2.43E-07
811	567330.66	4216826.82	1.38E-06	1.37E-06	2.75E-06	1.19E-06	1.21E-06	2.41E-06	1.44E-07	1.97E-07	3.41E-07	1.26E-07	1.21E-07	2.47E-07
812	567335.78	4216834.98	1.39E-06	1.39E-06	2.78E-06	1.21E-06	1.23E-06	2.44E-06	1.46E-07	1.99E-07	3.45E-07	1.27E-07	1.23E-07	2.50E-07
813	567346.01	4216851.31	1.42E-06	1.41E-06	2.83E-06	1.23E-06	1.25E-06	2.48E-06	1.48E-07	2.02E-07	3.51E-07	1.29E-07	1.25E-07	2.54E-07
814	567351.13	4216859.48	1.42E-06	1.42E-06	2.84E-06	1.23E-06	1.25E-06	2.49E-06	1.49E-07	2.03E-07	3.52E-07	1.30E-07	1.25E-07	2.55E-07
815	567361.8	4216902.67	1.61E-06	1.60E-06	3.21E-06	1.39E-06	1.42E-06	2.81E-06	1.69E-07	2.30E-07	3.98E-07	1.47E-07	1.41E-07	2.88E-07
816	567354.8	4216930.72	1.95E-06	1.95E-06	3.90E-06	1.70E-06	1.72E-06	3.42E-06	2.05E-07	2.79E-07	4.84E-07	1.79E-07	1.72E-07	3.51E-07
817	567352.46	4216940.07	2.09E-06	2.08E-06	4.17E-06	1.81E-06	1.84E-06	3.66E-06	2.19E-07	2.99E-07	5.18E-07	1.91E-07	1.84E-07	3.75E-07
818	567350.13	4216949.41	2.23E-06	2.23E-06	4.46E-06	1.94E-06	1.97E-06	3.91E-06	2.34E-07	3.19E-07	5.54E-07	2.04E-07	1.97E-07	4.01E-07
819	567347.79	4216958.76	2.38E-06	2.38E-06	4.76E-06	2.07E-06	2.10E-06	4.17E-06	2.50E-07	3.41E-07	5.91E-07	2.18E-07	2.10E-07	4.28E-07
820	567345.46	4216968.11	2.54E-06	2.53E-06	5.06E-06	2.20E-06	2.24E-06	4.44E-06	2.66E-07	3.62E-07	6.28E-07	2.32E-07	2.23E-07	4.55E-07
821	567299.97	4216777.82	1.19E-06	1.19E-06	2.38E-06	1.04E-06	1.05E-06	2.09E-06	1.25E-07	1.71E-07	2.96E-07	1.09E-07	1.05E-07	2.14E-07
822	567276.25	4216761.28	1.17E-06	1.17E-06	2.34E-06	1.01E-06	1.03E-06	2.05E-06	1.23E-07	1.67E-07	2.90E-07	1.07E-07	1.03E-07	2.10E-07
823	567268.34	4216755.76	1.15E-06	1.15E-06	2.30E-06	1.00E-06	1.02E-06	2.02E-06	1.21E-07	1.65E-07	2.86E-07	1.05E-07	1.02E-07	2.07E-07
824	567260.44	4216750.25	1.14E-06	1.13E-06	2.27E-06	9.86E-07	1.00E-06	1.99E-06	1.19E-07	1.63E-07	2.82E-07	1.04E-07	1.00E-07	2.04E-07
825	567252.53	4216744.74	1.11E-06	1.11E-06	2.23E-06	9.67E-07	9.84E-07	1.95E-06	1.17E-07	1.59E-07	2.76E-07	1.02E-07	9.81E-08	2.00E-07
826	567244.62	4216739.22	1.09E-06	1.08E-06	2.17E-06	9.42E-07	9.57E-07	1.90E-06	1.14E-07	1.55E-07	2.69E-07	9.91E-08	9.55E-08	1.95E-07
827	567236.72	4216733.71	1.05E-06	1.05E-06	2.10E-06	9.13E-07	9.29E-07	1.84E-06	1.10E-07	1.50E-07	2.61E-07	9.62E-08	9.27E-08	1.89E-07
828	567228.81	4216728.19	1.02E-06	1.02E-06	2.03E-06	8.83E-07	8.98E-07	1.78E-06	1.07E-07	1.46E-07	2.52E-07	9.30E-08	8.96E-08	1.83E-07
829	567220.9	4216722.68	9.83E-07	9.80E-07	1.96E-06	8.53E-07	8.67E-07	1.72E-06	1.03E-07	1.40E-07	2.44E-07	8.98E-08	8.65E-08	1.76E-07
830	567212.99	4216717.16	9.47E-07	9.44E-07	1.89E-06	8.21E-07	8.35E-07	1.66E-06	9.93E-08	1.35E-07	2.35E-07	8.65E-08	8.33E-08	1.70E-07
831	567205.09	4216711.65	9.11E-07	9.08E-07	1.82E-06	7.90E-07	8.03E-07	1.59E-06	9.55E-08	1.30E-07	2.26E-07	8.32E-08	8.02E-08	1.63E-07
832	567310.74	4216777.68	1.13E-06	1.13E-06	2.26E-06	9.82E-07	9.99E-07	1.98E-06	1.19E-07	1.62E-07	2.81E-07	1.03E-07	9.97E-08	2.03E-07
833	567315.79	4216785.73	1.16E-06	1.16E-06	2.32E-06	1.01E-06	1.02E-06	2.03E-06	1.22E-07	1.66E-07	2.88E-07	1.06E-07	1.02E-07	2.08E-07
834	567320.83	4216793.79	1.19E-06	1.19E-06	2.38E-06	1.03E-06	1.05E-06	2.09E-06	1.25E-07	1.70E-07	2.95E-07	1.09E-07	1.05E-07	2.14E-07
835	567325.88	4216801.84	1.22E-06	1.22E-06	2.44E-06	1.06E-06	1.08E-06	2.13E-06	1.28E-07	1.74E-07	3.02E-07	1.11E-07	1.07E-07	2.19E-07
836	567330.93	4216809.9	1.25E-06	1.24E-06	2.49E-06	1.08E-06	1.10E-06	2.18E-06	1.31E-07	1.78E-07	3.09E-07	1.14E-07	1.10E-07	2.23E-07
837	567335.97	4216817.96	1.27E-06	1.26E-06	2.53E-06	1.10E-06	1.12E-06	2.22E-06	1.33E-07	1.81E-07	3.14E-07	1.16E-07	1.11E-07	2.27E-07
838	567371.3	4216874.35	1.32E-06	1.31E-06	2.63E-06	1.14E-06	1.16E-06	2.30E-06	1.38E-07	1.88E-07	3.26E-07	1.20E-07	1.16E-07	2.36E-07
839	567364.83	4216928.52	1.77E-06	1.77E-06	3.54E-06	1.54E-06	1.56E-06	3.10E-06	1.86E-07	2.53E-07	4.39E-07	1.62E-07	1.56E-07	3.18E-07
840	567362.52	4216937.75	1.89E-06	1.88E-06	3.77E-06	1.64E-06	1.67E-06	3.30E-06	1.98E-07	2.70E-07	4.68E-07	1.72E-07	1.66E-07	3.39E-07
841	567360.22	4216946.97	2.01E-06	2.00E-06	4.01E-06	1.74E-06	1.77E-06	3.52E-06	2.11E-07	2.87E-07	4.98E-07	1.84E-07	1.77E-07	3.60E-07
842	567357.92	4216956.19	2.14E-06	2.13E-06	4.27E-06	1.86E-06	1.89E-06	3.74E-06	2.24E-07	3.06E-07	5.30E-07	1.95E-07	1.88E-07	3.84E-07
843	567355.61	4216965.42	2.27E-06	2.27E-06	4.54E-06	1.97E-06	2.01E-06	3.98E-06	2.39E-07	3.25E-07	5.64E-07	2.08E-07	2.00E-07	4.08E-07
844	567289.88	4216758.59	1.09E-06	1.08E-06	2.17E-06	9.44E-07	9.60E-07	1.90E-06	1.14E-07	1.56E-07	2.70E-07	9.94E-08	9.58E-08	1.95E-07
845	567281.97	4216753.08	1.08E-06	1.07E-06	2.15E-06	9.34E-07	9.50E-07	1.88E-06	1.13E-07	1.54E-07	2.67E-07	9.83E-08	9.48E-08	1.93E-07
846	567274.06	4216747.56	1.06E-06	1.06E-06	2.12E-06	9.22E-07	9.38E-07	1.86E-06	1.11E-07	1.52E-07	2.63E-07	9.71E-08	9.36E-08	1.91E-07
847	567266.16	4216742.05	1.05E-06	1.04E-06	2.09E-06	9.09E-07	9.24E-07	1.83E-06	1.10E-07	1.50E-07	2.60E-07	9.57E-08	9.22E-08	1.88E-07
848	567258.25	4216736.53	1.03E-06	1.02E-06	2.05E-06	8.92E-07	9.07E-07	1.80E-06	1.08E-07	1.47E-07	2.55E-07	9.39E-08	9.05E-08	1.84E-07

849	567250.34	4216731.02	1.00E-06	9.99E-07	2.00E-06	8.69E-07	8.84E-07	1.75E-06	1.05E-07	1.43E-07	2.48E-07	9.15E-08	8.82E-08	1.80E-07
850	567242.44	4216725.5	9.73E-07	9.70E-07	1.94E-06	8.44E-07	8.58E-07	1.70E-06	1.02E-07	1.39E-07	2.41E-07	8.89E-08	8.57E-08	1.75E-07
851	567234.53	4216719.99	9.42E-07	9.39E-07	1.88E-06	8.18E-07	8.31E-07	1.65E-06	9.88E-08	1.35E-07	2.34E-07	8.61E-08	8.30E-08	1.69E-07
852	567226.62	4216714.48	9.11E-07	9.08E-07	1.82E-06	7.90E-07	8.04E-07	1.59E-06	9.56E-08	1.30E-07	2.26E-07	8.32E-08	8.02E-08	1.63E-07
853	567218.71	4216708.96	8.79E-07	8.77E-07	1.76E-06	7.63E-07	7.76E-07	1.54E-06	9.22E-08	1.26E-07	2.18E-07	8.03E-08	7.74E-08	1.58E-07
854	567316.4	4216769.38	1.05E-06	1.04E-06	2.09E-06	9.08E-07	9.24E-07	1.83E-06	1.10E-07	1.50E-07	2.60E-07	9.56E-08	9.22E-08	1.88E-07
855	567321.39	4216777.34	1.07E-06	1.07E-06	2.14E-06	9.32E-07	9.47E-07	1.88E-06	1.13E-07	1.54E-07	2.66E-07	9.81E-08	9.45E-08	1.93E-07
856	567326.38	4216785.3	1.10E-06	1.10E-06	2.20E-06	9.54E-07	9.70E-07	1.92E-06	1.15E-07	1.57E-07	2.72E-07	1.00E-07	9.68E-08	1.97E-07
857	567366.27	4216848.99	1.22E-06	1.21E-06	2.43E-06	1.06E-06	1.07E-06	2.13E-06	1.28E-07	1.74E-07	3.02E-07	1.11E-07	1.07E-07	2.18E-07
858	567371.26	4216856.96	1.22E-06	1.21E-06	2.43E-06	1.06E-06	1.07E-06	2.13E-06	1.28E-07	1.74E-07	3.02E-07	1.11E-07	1.07E-07	2.18E-07
859	567376.25	4216864.92	1.22E-06	1.21E-06	2.43E-06	1.06E-06	1.07E-06	2.13E-06	1.28E-07	1.74E-07	3.02E-07	1.11E-07	1.07E-07	2.18E-07
860	567381.24	4216872.88	1.22E-06	1.21E-06	2.43E-06	1.06E-06	1.07E-06	2.13E-06	1.28E-07	1.74E-07	3.02E-07	1.11E-07	1.07E-07	2.18E-07
861	567383.95	4216889.95	1.28E-06	1.28E-06	2.56E-06	1.11E-06	1.13E-06	2.24E-06	1.34E-07	1.83E-07	3.17E-07	1.17E-07	1.13E-07	2.30E-07
862	567381.67	4216899.07	1.35E-06	1.35E-06	2.70E-06	1.17E-06	1.19E-06	2.36E-06	1.42E-07	1.93E-07	3.35E-07	1.23E-07	1.19E-07	2.42E-07
863	567374.84	4216926.41	1.61E-06	1.61E-06	3.22E-06	1.40E-06	1.42E-06	2.82E-06	1.69E-07	2.31E-07	4.00E-07	1.47E-07	1.42E-07	2.89E-07
864	567372.56	4216935.53	1.72E-06	1.71E-06	3.43E-06	1.49E-06	1.51E-06	3.00E-06	1.80E-07	2.45E-07	4.25E-07	1.57E-07	1.51E-07	3.08E-07
865	567370.29	4216944.64	1.82E-06	1.81E-06	3.63E-06	1.58E-06	1.60E-06	3.18E-06	1.91E-07	2.60E-07	4.51E-07	1.66E-07	1.60E-07	3.26E-07
866	567368.01	4216953.76	1.93E-06	1.92E-06	3.85E-06	1.67E-06	1.70E-06	3.38E-06	2.02E-07	2.76E-07	4.78E-07	1.76E-07	1.70E-07	3.46E-07
867	567365.73	4216962.87	2.05E-06	2.04E-06	4.09E-06	1.78E-06	1.81E-06	3.58E-06	2.15E-07	2.93E-07	5.07E-07	1.87E-07	1.80E-07	3.67E-07
868	567363.46	4216971.99	2.17E-06	2.16E-06	4.33E-06	1.88E-06	1.91E-06	3.79E-06	2.27E-07	3.10E-07	5.37E-07	1.98E-07	1.91E-07	3.89E-07
869	567358.9	4216990.22	2.41E-06	2.40E-06	4.82E-06	2.09E-06	2.13E-06	4.22E-06	2.53E-07	3.45E-07	5.98E-07	2.20E-07	2.12E-07	4.33E-07
870	567356.63	4216999.33	2.53E-06	2.52E-06	5.04E-06	2.19E-06	2.23E-06	4.42E-06	2.65E-07	3.61E-07	6.26E-07	2.31E-07	2.22E-07	4.53E-07
871	567295.6	4216750.39	1.01E-06	1.00E-06	2.01E-06	8.72E-07	8.87E-07	1.76E-06	1.05E-07	1.44E-07	2.49E-07	9.18E-08	8.85E-08	1.80E-07
872	567287.69	4216744.87	9.95E-07	9.92E-07	1.99E-06	8.63E-07	8.77E-07	1.74E-06	1.04E-07	1.42E-07	2.47E-07	9.09E-08	8.76E-08	1.78E-07
873	567279.78	4216739.36	9.82E-07	9.79E-07	1.96E-06	8.52E-07	8.67E-07	1.72E-06	1.03E-07	1.40E-07	2.43E-07	8.97E-08	8.65E-08	1.76E-07
874	567271.88	4216733.85	9.68E-07	9.65E-07	1.93E-06	8.40E-07	8.54E-07	1.69E-06	1.02E-07	1.38E-07	2.40E-07	8.85E-08	8.52E-08	1.74E-07
875	567263.97	4216728.33	9.52E-07	9.49E-07	1.90E-06	8.26E-07	8.39E-07	1.67E-06	9.98E-08	1.36E-07	2.36E-07	8.69E-08	8.38E-08	1.71E-07
876	567256.06	4216722.82	9.28E-07	9.25E-07	1.85E-06	8.05E-07	8.19E-07	1.62E-06	9.74E-08	1.33E-07	2.30E-07	8.48E-08	8.17E-08	1.67E-07
877	567248.16	4216717.3	9.03E-07	9.00E-07	1.80E-06	7.83E-07	7.96E-07	1.58E-06	9.47E-08	1.29E-07	2.24E-07	8.25E-08	7.95E-08	1.62E-07
878	567240.25	4216711.79	8.76E-07	8.73E-07	1.75E-06	7.60E-07	7.72E-07	1.53E-06	9.18E-08	1.25E-07	2.17E-07	8.00E-08	7.71E-08	1.57E-07
879	567232.34	4216706.27	8.47E-07	8.45E-07	1.69E-06	7.35E-07	7.47E-07	1.48E-06	8.89E-08	1.21E-07	2.10E-07	7.74E-08	7.46E-08	1.52E-07
880	567351.68	4216808.36	1.10E-06	1.10E-06	2.19E-06	9.53E-07	9.69E-07	1.92E-06	1.15E-07	1.57E-07	2.72E-07	1.00E-07	9.67E-08	1.97E-07
881	567361.55	4216824.12	1.12E-06	1.12E-06	2.23E-06	9.71E-07	9.87E-07	1.96E-06	1.17E-07	1.60E-07	2.77E-07	1.02E-07	9.85E-08	2.01E-07
882	567376.36	4216847.76	1.13E-06	1.13E-06	2.26E-06	9.80E-07	9.96E-07	1.98E-06	1.18E-07	1.61E-07	2.80E-07	1.03E-07	9.94E-08	2.03E-07
883	567386.23	4216863.52	1.13E-06	1.13E-06	2.26E-06	9.81E-07	9.97E-07	1.98E-06	1.19E-07	1.62E-07	2.80E-07	1.03E-07	9.95E-08	2.03E-07
884	567391.17	4216871.39	1.13E-06	1.13E-06	2.26E-06	9.80E-07	9.97E-07	1.98E-06	1.19E-07	1.62E-07	2.80E-07	1.03E-07	9.95E-08	2.03E-07
885	567393.85	4216888.29	1.19E-06	1.18E-06	2.37E-06	1.03E-06	1.05E-06	2.08E-06	1.24E-07	1.70E-07	2.94E-07	1.08E-07	1.04E-07	2.13E-07
886	567391.59	4216897.31	1.25E-06	1.25E-06	2.49E-06	1.08E-06	1.10E-06	2.19E-06	1.31E-07	1.79E-07	3.10E-07	1.14E-07	1.10E-07	2.24E-07
887	567384.84	4216924.37	1.48E-06	1.47E-06	2.95E-06	1.28E-06	1.30E-06	2.58E-06	1.55E-07	2.11E-07	3.66E-07	1.35E-07	1.30E-07	2.65E-07
888	567382.58	4216933.39	1.57E-06	1.56E-06	3.13E-06	1.36E-06	1.38E-06	2.74E-06	1.64E-07	2.24E-07	3.88E-07	1.43E-07	1.38E-07	2.81E-07
889	567380.33	4216942.41	1.66E-06	1.65E-06	3.31E-06	1.44E-06	1.46E-06	2.90E-06	1.74E-07	2.37E-07	4.10E-07	1.51E-07	1.46E-07	2.97E-07
890	567378.08	4216951.43	1.75E-06	1.75E-06	3.50E-06	1.52E-06	1.54E-06	3.06E-06	1.84E-07	2.50E-07	4.34E-07	1.60E-07	1.54E-07	3.14E-07
891	567375.82	4216960.45	1.85E-06	1.85E-06	3.70E-06	1.61E-06	1.63E-06	3.24E-06	1.94E-07	2.65E-07	4.59E-07	1.69E-07	1.63E-07	3.32E-07
892	567373.57	4216969.47	1.96E-06	1.95E-06	3.91E-06	1.70E-06	1.73E-06	3.42E-06	2.05E-07	2.80E-07	4.85E-07	1.79E-07	1.72E-07	3.51E-07
893	567371.32	4216978.49	2.07E-06	2.06E-06	4.13E-06	1.79E-06	1.82E-06	3.62E-06	2.17E-07	2.95E-07	5.12E-07	1.89E-07	1.82E-07	3.71E-07
894	567366.81	4216996.53	2.28E-06	2.28E-06	4.56E-06	1.98E-06	2.01E-06	4.00E-06	2.40E-07	3.27E-07	5.66E-07	2.09E-07	2.01E-07	4.10E-07
895	567364.56	4217005.55	2.39E-06	2.38E-06	4.76E-06	2.07E-06	2.10E-06	4.17E-06	2.50E-07	3.41E-07	5.91E-07	2.18E-07	2.10E-07	4.28E-07
896	567362.31	4217014.57	2.48E-06	2.47E-06	4.95E-06	2.15E-06	2.19E-06	4.34E-06	2.60E-07	3.54E-07	6.14E-07	2.26E-07	2.18E-07	4.45E-07
897	567309.23	4216747.7	9.41E-07	9.38E-07	1.88E-06	8.16E-07	8.30E-07	1.65E-06	9.87E-08	1.35E-07	2.33E-07	8.60E-08	8.28E-08	1.69E-07
898	567301.32	4216742.19	9.33E-07	9.30E-07	1.86E-06	8.10E-07	8.23E-07	1.63E-06	9.79E-08	1.33E-07	2.31E-07	8.52E-08	8.21E-08	1.67E-07
899	567293.41	4216736.67	9.22E-07	9.19E-07	1.84E-06	8.00E-07	8.13E-07	1.61E-06	9.67E-08	1.32E-07	2.28E-07	8.42E-08	8.12E-08	1.65E-07
900	567285.51	4216731.16	9.10E-07	9.08E-07	1.82E-06	7.90E-07	8.03E-07	1.59E-06	9.55E-08	1.30E-07	2.26E-07	8.32E-08	8.01E-08	1.63E-07
901	567277.6	4216725.64	8.98E-07	8.95E-07	1.79E-06	7.79E-07	7.92E-07	1.57E-06	9.42E-08	1.28E-07	2.23E-07	8.20E-08	7.90E-08	1.61E-07
902	567269.69	4216720.13	8.84E-07	8.81E-07	1.77E-06	7.67E-07	7.80E-07	1.55E-06	9.27E-08	1.26E-07	2.19E-07	8.07E-08	7.78E-08	1.59E-07
903	567261.78	4216714.61	8.63E-07	8.60E-07	1.72E-06	7.49E-07	7.61E-07	1.51E-06	9.05E-08	1.23E-07	2.14E-07	7.88E-08	7.60E-08	1.55E-07
904	567253.88	4216709.1	8.40E-07	8.38E-07	1.68E-06	7.29E-07	7.41E-07	1.47E-06	8.81E-08	1.20E-07	2.08E-07	7.68E-08	7.40E-08	1.51E-07
905	567245.97	4216703.59	8.16E-07	8.13E-07	1.63E-06	7.08E-07	7.20E-07	1.43E-06	8.56E-08	1.17E-07	2.02E-07	7.45E-08	7.18E-08	1.46E-07
906	567238.06	4216698.07	7.91E-07	7.88E-07	1.58E-06	6.86E-07	6.98E-07	1.38E-06	8.29E-08	1.13E-07	1.96E-07	7.22E-08	6.96E-08	1.42E-07
907	567347.3	4216784.04	9.90E-07	9.87E-07	1.98E-06	8.59E-07	8.73E-07	1.73E-06	1.04E-07	1.41E-07	2.45E-07	9.04E-08	8.71E-08	1.78E-07
908	567352.19	4216791.84	1.01E-06	1.00E-06	2.01E-06	8.74E-07	8.88E-07	1.76E-06	1.06E-07	1.44E-07	2.50E-07	9.20E-08	8.86E-08	1.81E-07
909	567361.97	4216807.46	1.03E-06	1.03E-06	2.06E-06	8.96E-07	9.11E-07	1.81E-06	1.08E-07	1.48E-07	2.56E-07	9.43E-08	9.09E-08	1.85E-07
910	567366.86	4216815.26	1.04E-06	1.04E-06	2.08E-06	9.05E-07	9.21E-07	1.83E-06	1.09E-07	1.49E-07	2.59E-07	9.53E-08	9.19E-08	1.87E-07
911	567386.42	4216846.48	1.05E-06	1.05E-06	2.10E-06	9.12E-07	9.27E-07	1.84E-06	1.10E-07	1.50E-07	2.61E-07	9.60E-08	9.25E-08	1.89E-07
912	567391.31	4216854.29	1.05E-06	1.05E-06	2.10E-06	9.13E-07	9.28E-07	1.84E-06	1.10E-07	1.50E-07	2.61E-07	9.61E-08	9.26E-08	1.89E-07
913	567401.09	4216869.9	1.05E-06	1.05E-06	2.10E-06	9.13E-07	9.28E-07	1.84E-06	1.10E-07	1.50E-07	2.61E-07	9.61E-08	9.26E-08	1.89E-07
914	567403.74	4216886.64	1.10E-06	1.10E-06	2.20E-06	9.56E-07	9.72E-07	1.93E-06	1.16E-07	1.58E-07	2.73E-07	1.01E-07	9.70E-08	1.98E-07
915	567401.51	4216895.58	1.16E-06	1.15E-06	2.31E-06	1.01E-06	1.02E-06	2.03E-06	1.22E-07	1.66E-07	2.87E-07	1.06E-07	1.02E-07	2.08E-07
916	567394.82	4216922.38	1.36E-06	1.35E-06	2.71E-06	1.18E-06	1.20E-06	2.38E-06	1.42E-07	1.94E-07	3.37E-07	1.24E-07	1.20E-07	2.44E-07
917	567392.58	4216931.32	1.44E-06	1.43E-06	2.87E-06	1.25E-06	1.27E-06	2.51E-06	1.51E-07	2.05E-07	3.56E-07	1.31E-07	1.26E-07	2.57E-07
918	567390.35	4216940.26	1.52E-06	1.51E-06	3.03E-06	1.31E-06	1.34E-06	2.65E-06	1.59E-07	2.17E-07	3.76E-07	1.38E-07	1.33E-07	2.72E-07
919	567385.89	4216958.13	1.68E-06	1.68E-06	3.36E-06	1.46E-06	1.48E-06	2.94E-06	1.77E-07	2.41E-07	4.17E-07	1.54E-07	1.48E-07	3.02E-07

920	567383.66	4216967.06	1.77E-06	1.76E-06	3.54E-06	1.54E-06	1.56E-06	3.10E-06	1.86E-07	2.53E-07	4.39E-07	1.62E-07	1.56E-07	3.18E-07
921	567381.42	4216976	1.87E-06	1.86E-06	3.73E-06	1.62E-06	1.65E-06	3.27E-06	1.96E-07	2.67E-07	4.63E-07	1.71E-07	1.64E-07	3.35E-07
922	567374.73	4217002.81	2.17E-06	2.16E-06	4.33E-06	1.88E-06	1.91E-06	3.79E-06	2.27E-07	3.10E-07	5.37E-07	1.98E-07	1.91E-07	3.89E-07
923	567314.95	4216739.5	8.77E-07	8.74E-07	1.75E-06	7.61E-07	7.74E-07	1.53E-06	9.20E-08	1.25E-07	2.17E-07	8.01E-08	7.72E-08	1.57E-07
924	567307.04	4216733.98	8.69E-07	8.66E-07	1.74E-06	7.54E-07	7.67E-07	1.52E-06	9.12E-08	1.24E-07	2.15E-07	7.94E-08	7.65E-08	1.56E-07
925	567299.13	4216728.47	8.59E-07	8.56E-07	1.71E-06	7.45E-07	7.57E-07	1.50E-06	9.01E-08	1.23E-07	2.13E-07	7.84E-08	7.56E-08	1.54E-07
926	567291.23	4216722.95	8.47E-07	8.45E-07	1.69E-06	7.35E-07	7.47E-07	1.48E-06	8.89E-08	1.21E-07	2.10E-07	7.74E-08	7.46E-08	1.52E-07
927	567283.32	4216717.44	8.37E-07	8.34E-07	1.67E-06	7.26E-07	7.38E-07	1.46E-06	8.78E-08	1.20E-07	2.07E-07	7.64E-08	7.37E-08	1.50E-07
928	567275.41	4216711.93	8.24E-07	8.21E-07	1.64E-06	7.15E-07	7.27E-07	1.44E-06	8.64E-08	1.18E-07	2.04E-07	7.52E-08	7.25E-08	1.48E-07
929	567267.5	4216706.41	8.05E-07	8.02E-07	1.61E-06	6.98E-07	7.10E-07	1.41E-06	8.44E-08	1.15E-07	1.99E-07	7.35E-08	7.09E-08	1.44E-07
930	567259.6	4216700.9	7.84E-07	7.82E-07	1.57E-06	6.81E-07	6.92E-07	1.37E-06	8.23E-08	1.12E-07	1.94E-07	7.17E-08	6.91E-08	1.41E-07
931	567251.69	4216695.38	7.63E-07	7.60E-07	1.52E-06	6.62E-07	6.73E-07	1.33E-06	8.00E-08	1.09E-07	1.89E-07	6.97E-08	6.71E-08	1.37E-07
932	567220.06	4216673.33	6.72E-07	6.70E-07	1.34E-06	5.83E-07	5.92E-07	1.18E-06	7.04E-08	9.60E-08	1.66E-07	6.13E-08	5.91E-08	1.20E-07
933	567212.15	4216667.81	6.49E-07	6.47E-07	1.30E-06	5.63E-07	5.73E-07	1.14E-06	6.81E-08	9.28E-08	1.61E-07	5.93E-08	5.72E-08	1.16E-07
934	567347.97	4216767.77	9.06E-07	9.03E-07	1.81E-06	7.86E-07	7.99E-07	1.58E-06	9.50E-08	1.29E-07	2.24E-07	8.27E-08	7.97E-08	1.62E-07
935	567357.67	4216783.25	9.39E-07	9.36E-07	1.87E-06	8.15E-07	8.28E-07	1.64E-06	9.85E-08	1.34E-07	2.33E-07	8.58E-08	8.26E-08	1.68E-07
936	567367.36	4216798.73	9.63E-07	9.60E-07	1.92E-06	8.35E-07	8.49E-07	1.68E-06	1.01E-07	1.38E-07	2.39E-07	8.79E-08	8.48E-08	1.73E-07
937	567372.21	4216806.47	9.74E-07	9.71E-07	1.95E-06	8.45E-07	8.59E-07	1.70E-06	1.02E-07	1.39E-07	2.41E-07	8.90E-08	8.57E-08	1.75E-07
938	567381.91	4216821.95	9.81E-07	9.78E-07	1.96E-06	8.51E-07	8.65E-07	1.72E-06	1.03E-07	1.40E-07	2.43E-07	8.96E-08	8.63E-08	1.76E-07
939	567391.61	4216837.43	9.83E-07	9.80E-07	1.96E-06	8.53E-07	8.68E-07	1.72E-06	1.03E-07	1.41E-07	2.44E-07	8.98E-08	8.66E-08	1.76E-07
940	567401.31	4216852.92	9.83E-07	9.80E-07	1.96E-06	8.53E-07	8.67E-07	1.72E-06	1.03E-07	1.41E-07	2.44E-07	8.98E-08	8.66E-08	1.76E-07
941	567411	4216868.4	9.82E-07	9.79E-07	1.96E-06	8.52E-07	8.66E-07	1.72E-06	1.03E-07	1.40E-07	2.43E-07	8.97E-08	8.64E-08	1.76E-07
942	567413.64	4216885	1.03E-06	1.02E-06	2.05E-06	8.91E-07	9.06E-07	1.80E-06	1.08E-07	1.47E-07	2.55E-07	9.38E-08	9.04E-08	1.84E-07
943	567411.43	4216893.86	1.08E-06	1.07E-06	2.15E-06	9.35E-07	9.50E-07	1.88E-06	1.13E-07	1.54E-07	2.67E-07	9.84E-08	9.48E-08	1.93E-07
944	567404.79	4216920.44	1.25E-06	1.25E-06	2.50E-06	1.09E-06	1.11E-06	2.19E-06	1.31E-07	1.79E-07	3.11E-07	1.14E-07	1.10E-07	2.25E-07
945	567402.57	4216929.31	1.32E-06	1.32E-06	2.64E-06	1.15E-06	1.17E-06	2.31E-06	1.39E-07	1.89E-07	3.27E-07	1.21E-07	1.16E-07	2.37E-07
946	567398.15	4216947.03	1.46E-06	1.46E-06	2.92E-06	1.27E-06	1.29E-06	2.56E-06	1.54E-07	2.09E-07	3.63E-07	1.34E-07	1.29E-07	2.63E-07
947	567395.93	4216955.89	1.54E-06	1.53E-06	3.07E-06	1.34E-06	1.36E-06	2.69E-06	1.61E-07	2.20E-07	3.82E-07	1.41E-07	1.36E-07	2.76E-07
948	567393.72	4216964.75	1.62E-06	1.61E-06	3.23E-06	1.40E-06	1.43E-06	2.83E-06	1.70E-07	2.31E-07	4.01E-07	1.48E-07	1.42E-07	2.90E-07
949	567389.29	4216982.47	1.79E-06	1.78E-06	3.58E-06	1.55E-06	1.58E-06	3.13E-06	1.88E-07	2.56E-07	4.44E-07	1.64E-07	1.58E-07	3.21E-07
950	567382.65	4217009.06	2.05E-06	2.05E-06	4.10E-06	1.78E-06	1.81E-06	3.59E-06	2.15E-07	2.93E-07	5.09E-07	1.87E-07	1.81E-07	3.68E-07
951	567380.44	4217017.92	2.13E-06	2.13E-06	4.26E-06	1.85E-06	1.88E-06	3.73E-06	2.24E-07	3.05E-07	5.29E-07	1.95E-07	1.88E-07	3.83E-07
952	567304.85	4216720.27	8.04E-07	8.01E-07	1.60E-06	6.97E-07	7.09E-07	1.41E-06	8.43E-08	1.15E-07	1.99E-07	7.34E-08	7.07E-08	1.44E-07
953	567296.95	4216714.75	7.93E-07	7.91E-07	1.58E-06	6.88E-07	7.00E-07	1.39E-06	8.32E-08	1.13E-07	1.97E-07	7.25E-08	6.98E-08	1.42E-07
954	567289.04	4216709.24	7.83E-07	7.81E-07	1.56E-06	6.79E-07	6.91E-07	1.37E-06	8.21E-08	1.12E-07	1.94E-07	7.15E-08	6.89E-08	1.40E-07
955	567281.13	4216703.72	7.70E-07	7.67E-07	1.54E-06	6.68E-07	6.79E-07	1.35E-06	8.07E-08	1.10E-07	1.91E-07	7.03E-08	6.78E-08	1.38E-07
956	567273.22	4216698.21	7.53E-07	7.50E-07	1.50E-06	6.53E-07	6.64E-07	1.32E-06	7.90E-08	1.08E-07	1.87E-07	6.88E-08	6.63E-08	1.35E-07
957	567265.32	4216692.7	7.34E-07	7.32E-07	1.47E-06	6.37E-07	6.48E-07	1.28E-06	7.70E-08	1.05E-07	1.82E-07	6.71E-08	6.46E-08	1.32E-07
958	567233.69	4216670.64	6.53E-07	6.51E-07	1.30E-06	5.66E-07	5.76E-07	1.14E-06	6.84E-08	9.33E-08	1.62E-07	5.96E-08	5.74E-08	1.17E-07
959	567225.78	4216665.12	6.32E-07	6.30E-07	1.26E-06	5.49E-07	5.58E-07	1.11E-06	6.63E-08	9.04E-08	1.57E-07	5.78E-08	5.57E-08	1.13E-07
960	567217.87	4216659.61	6.12E-07	6.11E-07	1.22E-06	5.31E-07	5.40E-07	1.07E-06	6.42E-08	8.75E-08	1.52E-07	5.59E-08	5.39E-08	1.10E-07
961	567339.37	4216736.72	7.93E-07	7.90E-07	1.58E-06	6.88E-07	6.99E-07	1.39E-06	8.32E-08	1.13E-07	1.97E-07	7.24E-08	6.98E-08	1.42E-07
962	567344.45	4216744.83	8.13E-07	8.11E-07	1.62E-06	7.05E-07	7.17E-07	1.42E-06	8.53E-08	1.16E-07	2.02E-07	7.43E-08	7.16E-08	1.46E-07
963	567354.61	4216761.04	8.50E-07	8.48E-07	1.70E-06	7.38E-07	7.50E-07	1.49E-06	8.92E-08	1.22E-07	2.11E-07	7.77E-08	7.49E-08	1.53E-07
964	567359.69	4216769.15	8.67E-07	8.64E-07	1.73E-06	7.52E-07	7.65E-07	1.52E-06	9.09E-08	1.24E-07	2.15E-07	7.92E-08	7.63E-08	1.56E-07
965	567364.77	4216777.26	8.82E-07	8.79E-07	1.76E-06	7.65E-07	7.78E-07	1.54E-06	9.25E-08	1.26E-07	2.19E-07	8.05E-08	7.76E-08	1.58E-07
966	567369.85	4216785.37	8.95E-07	8.92E-07	1.79E-06	7.76E-07	7.89E-07	1.57E-06	9.38E-08	1.28E-07	2.22E-07	8.17E-08	7.87E-08	1.60E-07
967	567374.93	4216793.48	9.09E-07	9.06E-07	1.81E-06	7.88E-07	8.01E-07	1.59E-06	9.53E-08	1.30E-07	2.25E-07	8.30E-08	8.00E-08	1.63E-07
968	567380.01	4216801.59	9.15E-07	9.12E-07	1.83E-06	7.94E-07	8.07E-07	1.60E-06	9.59E-08	1.31E-07	2.27E-07	8.36E-08	8.05E-08	1.64E-07
969	567385.09	4216809.7	9.18E-07	9.15E-07	1.83E-06	7.97E-07	8.10E-07	1.61E-06	9.63E-08	1.31E-07	2.28E-07	8.39E-08	8.08E-08	1.65E-07
970	567390.17	4216817.81	9.20E-07	9.17E-07	1.84E-06	7.98E-07	8.12E-07	1.61E-06	9.65E-08	1.32E-07	2.28E-07	8.41E-08	8.10E-08	1.65E-07
971	567400.33	4216834.02	9.22E-07	9.20E-07	1.84E-06	8.00E-07	8.14E-07	1.61E-06	9.68E-08	1.32E-07	2.29E-07	8.43E-08	8.12E-08	1.65E-07
972	567405.41	4216842.13	9.21E-07	9.19E-07	1.84E-06	7.99E-07	8.13E-07	1.61E-06	9.66E-08	1.32E-07	2.28E-07	8.42E-08	8.11E-08	1.65E-07
973	567410.49	4216850.24	9.21E-07	9.18E-07	1.84E-06	7.99E-07	8.12E-07	1.61E-06	9.66E-08	1.32E-07	2.28E-07	8.41E-08	8.10E-08	1.65E-07
974	567415.57	4216858.35	9.20E-07	9.18E-07	1.84E-06	7.99E-07	8.12E-07	1.61E-06	9.65E-08	1.32E-07	2.28E-07	8.41E-08	8.10E-08	1.65E-07
975	567420.65	4216866.46	9.20E-07	9.17E-07	1.84E-06	7.98E-07	8.12E-07	1.61E-06	9.65E-08	1.32E-07	2.28E-07	8.41E-08	8.10E-08	1.65E-07
976	567423.41	4216883.85	9.63E-07	9.60E-07	1.92E-06	8.36E-07	8.50E-07	1.69E-06	1.01E-07	1.38E-07	2.39E-07	8.80E-08	8.48E-08	1.73E-07
977	567421.09	4216893.14	1.01E-06	1.01E-06	2.02E-06	8.77E-07	8.91E-07	1.77E-06	1.06E-07	1.44E-07	2.50E-07	9.23E-08	8.90E-08	1.81E-07
978	567414.14	4216920.99	1.18E-06	1.17E-06	2.35E-06	1.02E-06	1.04E-06	2.06E-06	1.23E-07	1.68E-07	2.92E-07	1.08E-07	1.04E-07	2.11E-07
979	567411.82	4216930.27	1.24E-06	1.24E-06	2.48E-06	1.08E-06	1.10E-06	2.17E-06	1.30E-07	1.77E-07	3.08E-07	1.13E-07	1.09E-07	2.23E-07
980	567409.5	4216939.55	1.31E-06	1.30E-06	2.61E-06	1.14E-06	1.15E-06	2.29E-06	1.37E-07	1.87E-07	3.24E-07	1.20E-07	1.15E-07	2.35E-07
981	567407.18	4216948.84	1.38E-06	1.37E-06	2.75E-06	1.19E-06	1.21E-06	2.41E-06	1.44E-07	1.97E-07	3.41E-07	1.26E-07	1.21E-07	2.47E-07
982	567404.86	4216958.12	1.45E-06	1.44E-06	2.89E-06	1.26E-06	1.28E-06	2.53E-06	1.52E-07	2.07E-07	3.59E-07	1.32E-07	1.28E-07	2.60E-07
983	567402.54	4216967.4	1.52E-06	1.52E-06	3.04E-06	1.32E-06	1.34E-06	2.66E-06	1.60E-07	2.18E-07	3.77E-07	1.39E-07	1.34E-07	2.73E-07
984	567400.22	4216976.69	1.61E-06	1.60E-06	3.21E-06	1.39E-06	1.42E-06	2.81E-06	1.68E-07	2.29E-07	3.98E-07	1.47E-07	1.41E-07	2.88E-07
985	567393.27	4217004.54	1.86E-06	1.85E-06	3.71E-06	1.61E-06	1.64E-06	3.25E-06	1.95E-07	2.66E-07	4.61E-07	1.70E-07	1.64E-07	3.33E-07
986	567390.95	4217013.82	1.94E-06	1.93E-06	3.87E-06	1.68E-06	1.71E-06	3.39E-06	2.03E-07	2.77E-07	4.81E-07	1.77E-07	1.71E-07	3.48E-07
987	567334.29	4216728.61	7.72E-07	7.70E-07	1.54E-06	6.70E-07	6.81E-07	1.35E-06	8.10E-08	1.10E-07	1.91E-07	7.05E-08	6.80E-08	1.38E-07
988	567302.67	4216706.55	7.45E-07	7.43E-07	1.49E-06	6.46E-07	6.57E-07	1.30E-06	7.82E-08	1.07E-07	1.85E-07	6.81E-08	6.56E-08	1.34E-07
989	567294.76	4216701.04	7.35E-07	7.33E-07	1.47E-06	6.38E-07	6.49E-07	1.29E-06	7.71E-08	1.05E-07	1.82E-07	6.72E-08	6.47E-08	1.32E-07
990	567286.85	4216695.52	7.21E-07	7.19E-07	1.44E-06	6.26E-07	6.36E-07	1.26E-06	7.57E-08	1.03E-07	1.79E-07	6.59E-08	6.35E-08	1.29E-07

991	567278.94	4216690.01	7.06E-07	7.04E-07	1.41E-06	6.12E-07	6.23E-07	1.23E-06	7.40E-08	1.01E-07	1.75E-07	6.45E-08	6.21E-08	1.27E-07
992	567247.32	4216667.95	6.34E-07	6.32E-07	1.27E-06	5.50E-07	5.59E-07	1.11E-06	6.65E-08	9.06E-08	1.57E-07	5.79E-08	5.58E-08	1.14E-07
993	567239.41	4216662.44	6.15E-07	6.13E-07	1.23E-06	5.34E-07	5.43E-07	1.08E-06	6.45E-08	8.80E-08	1.53E-07	5.62E-08	5.42E-08	1.10E-07
994	567231.5	4216656.92	5.97E-07	5.95E-07	1.19E-06	5.18E-07	5.27E-07	1.04E-06	6.26E-08	8.54E-08	1.48E-07	5.45E-08	5.26E-08	1.07E-07
995	567223.59	4216651.41	5.79E-07	5.77E-07	1.16E-06	5.02E-07	5.11E-07	1.01E-06	6.07E-08	8.28E-08	1.43E-07	5.29E-08	5.10E-08	1.04E-07
996	567345.05	4216728.44	7.43E-07	7.41E-07	1.48E-06	6.45E-07	6.56E-07	1.30E-06	7.80E-08	1.06E-07	1.84E-07	6.79E-08	6.54E-08	1.33E-07
997	567350.08	4216736.47	7.62E-07	7.59E-07	1.52E-06	6.61E-07	6.72E-07	1.33E-06	7.99E-08	1.09E-07	1.89E-07	6.96E-08	6.71E-08	1.37E-07
998	567365.17	4216760.56	8.12E-07	8.09E-07	1.62E-06	7.04E-07	7.16E-07	1.42E-06	8.52E-08	1.16E-07	2.01E-07	7.42E-08	7.15E-08	1.46E-07
999	567370.2	4216768.59	8.26E-07	8.23E-07	1.65E-06	7.16E-07	7.28E-07	1.44E-06	8.66E-08	1.18E-07	2.05E-07	7.54E-08	7.27E-08	1.48E-07
1000	567375.23	4216776.62	8.38E-07	8.35E-07	1.67E-06	7.27E-07	7.39E-07	1.47E-06	8.79E-08	1.20E-07	2.08E-07	7.65E-08	7.38E-08	1.50E-07
1001	567380.26	4216784.66	8.53E-07	8.50E-07	1.70E-06	7.40E-07	7.52E-07	1.49E-06	8.94E-08	1.22E-07	2.11E-07	7.79E-08	7.50E-08	1.53E-07
1002	567385.29	4216792.69	8.59E-07	8.57E-07	1.72E-06	7.46E-07	7.58E-07	1.50E-06	9.01E-08	1.23E-07	2.13E-07	7.85E-08	7.56E-08	1.54E-07
1003	567390.33	4216800.72	8.64E-07	8.61E-07	1.72E-06	7.49E-07	7.62E-07	1.51E-06	9.06E-08	1.23E-07	2.14E-07	7.89E-08	7.60E-08	1.55E-07
1004	567395.36	4216808.75	8.66E-07	8.63E-07	1.73E-06	7.51E-07	7.64E-07	1.51E-06	9.08E-08	1.24E-07	2.15E-07	7.91E-08	7.62E-08	1.55E-07
1005	567400.39	4216816.78	8.66E-07	8.64E-07	1.73E-06	7.52E-07	7.64E-07	1.52E-06	9.09E-08	1.24E-07	2.15E-07	7.91E-08	7.63E-08	1.55E-07
1006	567410.45	4216832.84	8.67E-07	8.64E-07	1.73E-06	7.52E-07	7.65E-07	1.52E-06	9.09E-08	1.24E-07	2.15E-07	7.92E-08	7.63E-08	1.55E-07
1007	567415.48	4216840.88	8.66E-07	8.63E-07	1.73E-06	7.51E-07	7.64E-07	1.52E-06	9.08E-08	1.24E-07	2.15E-07	7.91E-08	7.62E-08	1.55E-07
1008	567420.51	4216848.91	8.66E-07	8.63E-07	1.73E-06	7.51E-07	7.64E-07	1.51E-06	9.08E-08	1.24E-07	2.15E-07	7.91E-08	7.62E-08	1.55E-07
1009	567425.54	4216856.94	8.66E-07	8.63E-07	1.73E-06	7.51E-07	7.64E-07	1.52E-06	9.08E-08	1.24E-07	2.15E-07	7.91E-08	7.62E-08	1.55E-07
1010	567430.57	4216864.97	8.65E-07	8.63E-07	1.73E-06	7.51E-07	7.63E-07	1.51E-06	9.08E-08	1.24E-07	2.15E-07	7.91E-08	7.62E-08	1.55E-07
1011	567433.31	4216882.2	9.03E-07	9.01E-07	1.80E-06	7.84E-07	7.97E-07	1.58E-06	9.48E-08	1.29E-07	2.24E-07	8.25E-08	7.95E-08	1.62E-07
1012	567431.01	4216891.39	9.45E-07	9.42E-07	1.89E-06	8.20E-07	8.34E-07	1.65E-06	9.92E-08	1.35E-07	2.34E-07	8.64E-08	8.32E-08	1.70E-07
1013	567428.72	4216900.59	9.90E-07	9.87E-07	1.98E-06	8.59E-07	8.74E-07	1.73E-06	1.04E-07	1.42E-07	2.45E-07	9.05E-08	8.72E-08	1.78E-07
1014	567424.12	4216918.97	1.09E-06	1.09E-06	2.18E-06	9.48E-07	9.64E-07	1.91E-06	1.15E-07	1.56E-07	2.71E-07	9.98E-08	9.62E-08	1.96E-07
1015	567421.83	4216928.17	1.15E-06	1.15E-06	2.29E-06	9.97E-07	1.01E-06	2.01E-06	1.21E-07	1.64E-07	2.85E-07	1.05E-07	1.01E-07	2.06E-07
1016	567419.53	4216937.36	1.21E-06	1.21E-06	2.41E-06	1.05E-06	1.07E-06	2.12E-06	1.27E-07	1.73E-07	3.00E-07	1.10E-07	1.06E-07	2.17E-07
1017	567417.23	4216946.56	1.27E-06	1.27E-06	2.53E-06	1.10E-06	1.12E-06	2.22E-06	1.33E-07	1.81E-07	3.14E-07	1.16E-07	1.12E-07	2.28E-07
1018	567414.94	4216955.75	1.33E-06	1.33E-06	2.66E-06	1.16E-06	1.18E-06	2.33E-06	1.40E-07	1.90E-07	3.30E-07	1.22E-07	1.17E-07	2.39E-07
1019	567412.64	4216964.95	1.40E-06	1.39E-06	2.79E-06	1.21E-06	1.23E-06	2.45E-06	1.47E-07	2.00E-07	3.46E-07	1.28E-07	1.23E-07	2.51E-07
1020	567410.34	4216974.14	1.47E-06	1.47E-06	2.94E-06	1.28E-06	1.30E-06	2.57E-06	1.54E-07	2.10E-07	3.64E-07	1.34E-07	1.29E-07	2.64E-07
1021	567408.05	4216983.34	1.55E-06	1.54E-06	3.09E-06	1.34E-06	1.36E-06	2.71E-06	1.62E-07	2.21E-07	3.83E-07	1.41E-07	1.36E-07	2.77E-07
1022	567401.16	4217010.92	1.77E-06	1.77E-06	3.54E-06	1.54E-06	1.57E-06	3.10E-06	1.86E-07	2.54E-07	4.40E-07	1.62E-07	1.56E-07	3.18E-07
1023	567398.86	4217020.12	1.85E-06	1.84E-06	3.69E-06	1.60E-06	1.63E-06	3.23E-06	1.94E-07	2.64E-07	4.58E-07	1.69E-07	1.63E-07	3.31E-07
1024	567340.01	4216720.4	7.25E-07	7.23E-07	1.45E-06	6.29E-07	6.40E-07	1.27E-06	7.60E-08	1.04E-07	1.80E-07	6.62E-08	6.38E-08	1.30E-07
1025	567332.11	4216714.89	7.22E-07	7.19E-07	1.44E-06	6.26E-07	6.37E-07	1.26E-06	7.57E-08	1.03E-07	1.79E-07	6.59E-08	6.35E-08	1.29E-07
1026	567324.2	4216709.38	7.17E-07	7.14E-07	1.43E-06	6.22E-07	6.32E-07	1.25E-06	7.52E-08	1.02E-07	1.78E-07	6.55E-08	6.31E-08	1.29E-07
1027	567300.48	4216692.83	6.91E-07	6.89E-07	1.38E-06	5.99E-07	6.09E-07	1.21E-06	7.25E-08	9.88E-08	1.71E-07	6.31E-08	6.08E-08	1.24E-07
1028	567292.57	4216687.32	6.78E-07	6.76E-07	1.35E-06	5.88E-07	5.98E-07	1.19E-06	7.11E-08	9.69E-08	1.68E-07	6.19E-08	5.97E-08	1.22E-07
1029	567260.94	4216665.26	6.15E-07	6.13E-07	1.23E-06	5.34E-07	5.42E-07	1.08E-06	6.45E-08	8.79E-08	1.52E-07	5.62E-08	5.41E-08	1.10E-07
1030	567253.04	4216659.75	5.98E-07	5.96E-07	1.19E-06	5.19E-07	5.28E-07	1.05E-06	6.28E-08	8.55E-08	1.48E-07	5.47E-08	5.27E-08	1.07E-07
1031	567245.13	4216654.23	5.82E-07	5.80E-07	1.16E-06	5.05E-07	5.13E-07	1.02E-06	6.10E-08	8.31E-08	1.44E-07	5.31E-08	5.12E-08	1.04E-07
1032	567237.22	4216648.72	5.65E-07	5.63E-07	1.13E-06	4.90E-07	4.98E-07	9.89E-07	5.93E-08	8.08E-08	1.40E-07	5.16E-08	4.97E-08	1.01E-07
1033	567229.31	4216643.2	5.49E-07	5.47E-07	1.10E-06	4.76E-07	4.84E-07	9.60E-07	5.75E-08	7.84E-08	1.36E-07	5.01E-08	4.83E-08	9.84E-08
1034	567350.72	4216720.16	6.99E-07	6.97E-07	1.40E-06	6.07E-07	6.17E-07	1.22E-06	7.34E-08	1.00E-07	1.73E-07	6.39E-08	6.16E-08	1.25E-07
1035	567355.71	4216728.13	7.15E-07	7.13E-07	1.43E-06	6.21E-07	6.31E-07	1.25E-06	7.50E-08	1.02E-07	1.77E-07	6.54E-08	6.30E-08	1.28E-07
1036	567360.7	4216736.09	7.32E-07	7.30E-07	1.46E-06	6.35E-07	6.46E-07	1.28E-06	7.68E-08	1.05E-07	1.81E-07	6.69E-08	6.45E-08	1.31E-07
1037	567370.67	4216752.01	7.62E-07	7.60E-07	1.52E-06	6.61E-07	6.72E-07	1.33E-06	7.99E-08	1.09E-07	1.89E-07	6.96E-08	6.71E-08	1.37E-07
1038	567375.66	4216759.97	7.75E-07	7.73E-07	1.55E-06	6.73E-07	6.84E-07	1.36E-06	8.13E-08	1.11E-07	1.92E-07	7.08E-08	6.82E-08	1.39E-07
1039	567380.65	4216767.93	7.91E-07	7.89E-07	1.58E-06	6.87E-07	6.98E-07	1.38E-06	8.30E-08	1.13E-07	1.96E-07	7.23E-08	6.97E-08	1.42E-07
1040	567385.63	4216775.89	8.01E-07	7.98E-07	1.60E-06	6.95E-07	7.06E-07	1.40E-06	8.40E-08	1.14E-07	1.98E-07	7.32E-08	7.05E-08	1.44E-07
1041	567390.62	4216783.86	8.09E-07	8.06E-07	1.61E-06	7.02E-07	7.13E-07	1.41E-06	8.48E-08	1.16E-07	2.00E-07	7.39E-08	7.12E-08	1.45E-07
1042	567395.61	4216791.82	8.14E-07	8.11E-07	1.62E-06	7.06E-07	7.18E-07	1.42E-06	8.53E-08	1.16E-07	2.02E-07	7.43E-08	7.16E-08	1.46E-07
1043	567400.6	4216799.78	8.16E-07	8.14E-07	1.63E-06	7.08E-07	7.20E-07	1.43E-06	8.56E-08	1.17E-07	2.02E-07	7.46E-08	7.19E-08	1.46E-07
1044	567410.57	4216815.7	8.17E-07	8.14E-07	1.63E-06	7.09E-07	7.21E-07	1.43E-06	8.57E-08	1.17E-07	2.02E-07	7.46E-08	7.19E-08	1.47E-07
1045	567420.55	4216831.63	8.18E-07	8.15E-07	1.63E-06	7.09E-07	7.21E-07	1.43E-06	8.58E-08	1.17E-07	2.03E-07	7.47E-08	7.20E-08	1.47E-07
1046	567425.53	4216839.59	8.17E-07	8.15E-07	1.63E-06	7.09E-07	7.21E-07	1.43E-06	8.57E-08	1.17E-07	2.03E-07	7.46E-08	7.19E-08	1.47E-07
1047	567430.52	4216847.55	8.16E-07	8.14E-07	1.63E-06	7.08E-07	7.20E-07	1.43E-06	8.56E-08	1.17E-07	2.02E-07	7.45E-08	7.18E-08	1.46E-07
1048	567435.51	4216855.51	8.16E-07	8.14E-07	1.63E-06	7.08E-07	7.20E-07	1.43E-06	8.56E-08	1.17E-07	2.02E-07	7.45E-08	7.18E-08	1.46E-07
1049	567440.49	4216863.47	8.15E-07	8.13E-07	1.63E-06	7.07E-07	7.19E-07	1.43E-06	8.55E-08	1.17E-07	2.02E-07	7.45E-08	7.18E-08	1.46E-07
1050	567443.21	4216880.55	8.49E-07	8.46E-07	1.70E-06	7.37E-07	7.49E-07	1.49E-06	8.91E-08	1.21E-07	2.10E-07	7.76E-08	7.47E-08	1.52E-07
1051	567440.93	4216889.66	8.86E-07	8.84E-07	1.77E-06	7.69E-07	7.82E-07	1.55E-06	9.30E-08	1.27E-07	2.20E-07	8.10E-08	7.80E-08	1.59E-07
1052	567438.65	4216898.78	9.27E-07	9.24E-07	1.85E-06	8.04E-07	8.17E-07	1.62E-06	9.72E-08	1.32E-07	2.30E-07	8.46E-08	8.16E-08	1.66E-07
1053	567434.1	4216917.01	1.02E-06	1.01E-06	2.03E-06	8.83E-07	8.97E-07	1.78E-06	1.07E-07	1.45E-07	2.52E-07	9.29E-08	8.95E-08	1.82E-07
1054	567431.82	4216926.12	1.07E-06	1.06E-06	2.13E-06	9.26E-07	9.41E-07	1.87E-06	1.12E-07	1.53E-07	2.64E-07	9.75E-08	9.39E-08	1.91E-07
1055	567429.55	4216935.24	1.12E-06	1.12E-06	2.24E-06	9.73E-07	9.89E-07	1.96E-06	1.18E-07	1.60E-07	2.78E-07	1.02E-07	9.87E-08	2.01E-07
1056	567427.27	4216944.35	1.17E-06	1.17E-06	2.34E-06	1.02E-06	1.04E-06	2.05E-06	1.23E-07	1.68E-07	2.91E-07	1.07E-07	1.03E-07	2.11E-07
1057	567424.99	4216953.47	1.23E-06	1.23E-06	2.46E-06	1.07E-06	1.08E-06	2.15E-06	1.29E-07	1.76E-07	3.05E-07	1.12E-07	1.08E-07	2.21E-07
1058	567422.72	4216962.58	1.29E-06	1.28E-06	2.57E-06	1.12E-06	1.14E-06	2.25E-06	1.35E-07	1.84E-07	3.19E-07	1.18E-07	1.13E-07	2.31E-07
1059	567420.44	4216971.69	1.35E-06	1.35E-06	2.70E-06	1.17E-06	1.19E-06	2.36E-06	1.42E-07	1.93E-07	3.35E-07	1.23E-07	1.19E-07	2.42E-07
1060	567418.16	4216980.81	1.42E-06	1.42E-06	2.84E-06	1.23E-06	1.25E-06	2.48E-06	1.49E-07	2.03E-07	3.52E-07	1.30E-07	1.25E-07	2.55E-07
1061	567415.89	4216989.92	1.49E-06	1.49E-06	2.97E-06	1.29E-06	1.31E-06	2.61E-06	1.56E-07	2.13E-07	3.69E-07	1.36E-07	1.31E-07	2.67E-07

1062	567411.33	4217008.15	1.63E-06	1.62E-06	3.25E-06	1.41E-06	1.44E-06	2.85E-06	1.71E-07	2.33E-07	4.03E-07	1.49E-07	1.43E-07	2.92E-07
1063	567409.05	4217017.27	1.69E-06	1.69E-06	3.38E-06	1.47E-06	1.49E-06	2.96E-06	1.78E-07	2.42E-07	4.20E-07	1.55E-07	1.49E-07	3.04E-07
1064	567345.73	4216712.2	6.83E-07	6.81E-07	1.36E-06	5.92E-07	6.02E-07	1.19E-06	7.16E-08	9.76E-08	1.69E-07	6.24E-08	6.01E-08	1.22E-07
1065	567337.83	4216706.69	6.80E-07	6.77E-07	1.36E-06	5.90E-07	5.99E-07	1.19E-06	7.13E-08	9.71E-08	1.68E-07	6.21E-08	5.98E-08	1.22E-07
1066	567329.92	4216701.17	6.75E-07	6.72E-07	1.35E-06	5.85E-07	5.95E-07	1.18E-06	7.07E-08	9.64E-08	1.67E-07	6.16E-08	5.94E-08	1.21E-07
1067	567322.01	4216695.66	6.68E-07	6.66E-07	1.33E-06	5.80E-07	5.89E-07	1.17E-06	7.01E-08	9.55E-08	1.66E-07	6.10E-08	5.88E-08	1.20E-07
1068	567266.66	4216657.06	5.81E-07	5.79E-07	1.16E-06	5.04E-07	5.13E-07	1.02E-06	6.09E-08	8.30E-08	1.44E-07	5.31E-08	5.11E-08	1.04E-07
1069	567258.76	4216651.55	5.66E-07	5.64E-07	1.13E-06	4.91E-07	4.99E-07	9.90E-07	5.93E-08	8.09E-08	1.40E-07	5.17E-08	4.98E-08	1.01E-07
1070	567250.85	4216646.03	5.51E-07	5.49E-07	1.10E-06	4.78E-07	4.86E-07	9.63E-07	5.77E-08	7.87E-08	1.36E-07	5.03E-08	4.85E-08	9.87E-08
1071	567242.94	4216640.52	5.35E-07	5.34E-07	1.07E-06	4.65E-07	4.72E-07	9.37E-07	5.62E-08	7.65E-08	1.33E-07	4.89E-08	4.71E-08	9.60E-08
1072	567235.03	4216635	5.21E-07	5.19E-07	1.04E-06	4.52E-07	4.59E-07	9.11E-07	5.46E-08	7.44E-08	1.29E-07	4.76E-08	4.58E-08	9.34E-08
1073	567356.4	4216711.9	6.60E-07	6.58E-07	1.32E-06	5.73E-07	5.82E-07	1.15E-06	6.92E-08	9.44E-08	1.64E-07	6.03E-08	5.81E-08	1.18E-07
1074	567361.35	4216719.8	6.75E-07	6.73E-07	1.35E-06	5.85E-07	5.95E-07	1.18E-06	7.08E-08	9.65E-08	1.67E-07	6.16E-08	5.94E-08	1.21E-07
1075	567371.25	4216735.59	7.03E-07	7.01E-07	1.40E-06	6.10E-07	6.21E-07	1.23E-06	7.38E-08	1.01E-07	1.74E-07	6.43E-08	6.19E-08	1.26E-07
1076	567381.14	4216751.39	7.34E-07	7.32E-07	1.47E-06	6.37E-07	6.48E-07	1.28E-06	7.70E-08	1.05E-07	1.82E-07	6.71E-08	6.46E-08	1.32E-07
1077	567386.09	4216759.29	7.45E-07	7.43E-07	1.49E-06	6.46E-07	6.57E-07	1.30E-06	7.81E-08	1.06E-07	1.85E-07	6.80E-08	6.56E-08	1.34E-07
1078	567391.04	4216767.19	7.54E-07	7.52E-07	1.51E-06	6.54E-07	6.65E-07	1.32E-06	7.91E-08	1.08E-07	1.87E-07	6.89E-08	6.64E-08	1.35E-07
1079	567395.98	4216775.09	7.62E-07	7.59E-07	1.52E-06	6.61E-07	6.72E-07	1.33E-06	7.99E-08	1.09E-07	1.89E-07	6.96E-08	6.70E-08	1.37E-07
1080	567400.93	4216782.98	7.67E-07	7.65E-07	1.53E-06	6.66E-07	6.77E-07	1.34E-06	8.05E-08	1.10E-07	1.90E-07	7.01E-08	6.76E-08	1.38E-07
1081	567405.88	4216790.88	7.71E-07	7.69E-07	1.54E-06	6.69E-07	6.80E-07	1.35E-06	8.09E-08	1.10E-07	1.91E-07	7.04E-08	6.79E-08	1.38E-07
1082	567410.83	4216798.78	7.73E-07	7.70E-07	1.54E-06	6.71E-07	6.82E-07	1.35E-06	8.11E-08	1.10E-07	1.92E-07	7.06E-08	6.80E-08	1.39E-07
1083	567430.62	4216830.37	7.73E-07	7.71E-07	1.54E-06	6.71E-07	6.82E-07	1.35E-06	8.11E-08	1.11E-07	1.92E-07	7.06E-08	6.81E-08	1.39E-07
1084	567435.57	4216838.27	7.72E-07	7.70E-07	1.54E-06	6.70E-07	6.81E-07	1.35E-06	8.10E-08	1.10E-07	1.91E-07	7.06E-08	6.80E-08	1.39E-07
1085	567445.46	4216854.07	7.71E-07	7.69E-07	1.54E-06	6.69E-07	6.80E-07	1.35E-06	8.09E-08	1.10E-07	1.91E-07	7.04E-08	6.79E-08	1.38E-07
1086	567450.41	4216861.97	7.71E-07	7.69E-07	1.54E-06	6.69E-07	6.80E-07	1.35E-06	8.09E-08	1.10E-07	1.91E-07	7.04E-08	6.79E-08	1.38E-07
1087	567453.1	4216878.91	8.02E-07	7.99E-07	1.60E-06	6.95E-07	7.07E-07	1.40E-06	8.41E-08	1.15E-07	1.99E-07	7.32E-08	7.06E-08	1.44E-07
1088	567450.84	4216887.95	8.34E-07	8.32E-07	1.67E-06	7.24E-07	7.36E-07	1.46E-06	8.75E-08	1.19E-07	2.07E-07	7.62E-08	7.34E-08	1.50E-07
1089	567448.58	4216896.99	8.69E-07	8.67E-07	1.74E-06	7.54E-07	7.67E-07	1.52E-06	9.12E-08	1.24E-07	2.15E-07	7.94E-08	7.65E-08	1.56E-07
1090	567441.81	4216924.12	9.94E-07	9.91E-07	1.98E-06	8.62E-07	8.77E-07	1.74E-06	1.04E-07	1.42E-07	2.46E-07	9.08E-08	8.75E-08	1.78E-07
1091	567439.55	4216933.16	1.04E-06	1.04E-06	2.08E-06	9.04E-07	9.19E-07	1.82E-06	1.09E-07	1.49E-07	2.58E-07	9.51E-08	9.17E-08	1.87E-07
1092	567437.29	4216942.2	1.09E-06	1.09E-06	2.18E-06	9.45E-07	9.61E-07	1.91E-06	1.14E-07	1.56E-07	2.70E-07	9.95E-08	9.59E-08	1.95E-07
1093	567435.03	4216951.25	1.14E-06	1.14E-06	2.27E-06	9.88E-07	1.00E-06	1.99E-06	1.19E-07	1.63E-07	2.82E-07	1.04E-07	1.00E-07	2.04E-07
1094	567432.77	4216960.29	1.19E-06	1.19E-06	2.38E-06	1.03E-06	1.05E-06	2.08E-06	1.25E-07	1.70E-07	2.95E-07	1.09E-07	1.05E-07	2.14E-07
1095	567430.51	4216969.33	1.25E-06	1.24E-06	2.49E-06	1.08E-06	1.10E-06	2.18E-06	1.31E-07	1.78E-07	3.09E-07	1.14E-07	1.10E-07	2.24E-07
1096	567428.25	4216978.37	1.31E-06	1.30E-06	2.61E-06	1.13E-06	1.15E-06	2.29E-06	1.37E-07	1.87E-07	3.24E-07	1.19E-07	1.15E-07	2.35E-07
1097	567426	4216987.42	1.37E-06	1.37E-06	2.74E-06	1.19E-06	1.21E-06	2.40E-06	1.44E-07	1.96E-07	3.40E-07	1.25E-07	1.21E-07	2.46E-07
1098	567351.45	4216704	6.45E-07	6.43E-07	1.29E-06	5.60E-07	5.69E-07	1.13E-06	6.76E-08	9.22E-08	1.60E-07	5.89E-08	5.68E-08	1.16E-07
1099	567343.55	4216698.49	6.42E-07	6.40E-07	1.28E-06	5.57E-07	5.66E-07	1.12E-06	6.73E-08	9.17E-08	1.59E-07	5.86E-08	5.65E-08	1.15E-07
1100	567335.64	4216692.97	6.36E-07	6.34E-07	1.27E-06	5.52E-07	5.61E-07	1.11E-06	6.67E-08	9.10E-08	1.58E-07	5.81E-08	5.60E-08	1.14E-07
1101	567327.73	4216687.46	6.30E-07	6.28E-07	1.26E-06	5.47E-07	5.56E-07	1.10E-06	6.61E-08	9.01E-08	1.56E-07	5.76E-08	5.55E-08	1.13E-07
1102	567319.83	4216681.94	6.23E-07	6.21E-07	1.24E-06	5.40E-07	5.49E-07	1.09E-06	6.53E-08	8.90E-08	1.54E-07	5.69E-08	5.48E-08	1.12E-07
1103	567280.29	4216654.37	5.64E-07	5.62E-07	1.13E-06	4.89E-07	4.97E-07	9.87E-07	5.91E-08	8.06E-08	1.40E-07	5.15E-08	4.96E-08	1.01E-07
1104	567272.38	4216648.86	5.50E-07	5.48E-07	1.10E-06	4.77E-07	4.85E-07	9.62E-07	5.77E-08	7.86E-08	1.36E-07	5.02E-08	4.84E-08	9.87E-08
1105	567264.48	4216643.34	5.36E-07	5.34E-07	1.07E-06	4.65E-07	4.73E-07	9.37E-07	5.62E-08	7.66E-08	1.33E-07	4.89E-08	4.72E-08	9.61E-08
1106	567256.57	4216637.83	5.22E-07	5.20E-07	1.04E-06	4.53E-07	4.60E-07	9.13E-07	5.47E-08	7.46E-08	1.29E-07	4.77E-08	4.59E-08	9.36E-08
1107	567248.66	4216632.31	5.08E-07	5.07E-07	1.01E-06	4.41E-07	4.48E-07	8.89E-07	5.33E-08	7.27E-08	1.26E-07	4.64E-08	4.47E-08	9.12E-08
1108	567240.75	4216626.8	4.95E-07	4.93E-07	9.88E-07	4.29E-07	4.36E-07	8.65E-07	5.19E-08	7.07E-08	1.23E-07	4.52E-08	4.35E-08	8.87E-08
1109	567362.09	4216703.64	6.24E-07	6.22E-07	1.25E-06	5.41E-07	5.50E-07	1.09E-06	6.55E-08	8.92E-08	1.55E-07	5.70E-08	5.49E-08	1.12E-07
1110	567367	4216711.48	6.38E-07	6.36E-07	1.27E-06	5.53E-07	5.62E-07	1.12E-06	6.69E-08	9.11E-08	1.58E-07	5.82E-08	5.61E-08	1.14E-07
1111	567371.91	4216719.32	6.51E-07	6.49E-07	1.30E-06	5.65E-07	5.74E-07	1.14E-06	6.83E-08	9.30E-08	1.61E-07	5.94E-08	5.73E-08	1.17E-07
1112	567381.73	4216735	6.81E-07	6.79E-07	1.36E-06	5.91E-07	6.01E-07	1.19E-06	7.15E-08	9.74E-08	1.69E-07	6.22E-08	6.00E-08	1.22E-07
1113	567396.47	4216758.53	7.11E-07	7.09E-07	1.42E-06	6.17E-07	6.27E-07	1.24E-06	7.46E-08	1.02E-07	1.76E-07	6.50E-08	6.26E-08	1.28E-07
1114	567401.38	4216766.37	7.18E-07	7.16E-07	1.43E-06	6.23E-07	6.34E-07	1.26E-06	7.54E-08	1.03E-07	1.78E-07	6.56E-08	6.32E-08	1.29E-07
1115	567411.2	4216782.05	7.29E-07	7.27E-07	1.46E-06	6.32E-07	6.43E-07	1.28E-06	7.65E-08	1.04E-07	1.81E-07	6.66E-08	6.42E-08	1.31E-07
1116	567416.12	4216789.89	7.32E-07	7.30E-07	1.46E-06	6.35E-07	6.46E-07	1.28E-06	7.68E-08	1.05E-07	1.81E-07	6.69E-08	6.44E-08	1.31E-07
1117	567425.94	4216805.57	7.34E-07	7.32E-07	1.47E-06	6.37E-07	6.48E-07	1.28E-06	7.70E-08	1.05E-07	1.82E-07	6.71E-08	6.46E-08	1.32E-07
1118	567445.59	4216836.93	7.32E-07	7.29E-07	1.46E-06	6.35E-07	6.46E-07	1.28E-06	7.68E-08	1.05E-07	1.81E-07	6.68E-08	6.44E-08	1.31E-07
1119	567450.5	4216844.78	7.31E-07	7.29E-07	1.46E-06	6.34E-07	6.45E-07	1.28E-06	7.67E-08	1.05E-07	1.81E-07	6.68E-08	6.44E-08	1.31E-07
1120	567460.32	4216860.46	7.31E-07	7.29E-07	1.46E-06	6.34E-07	6.45E-07	1.28E-06	7.67E-08	1.05E-07	1.81E-07	6.68E-08	6.44E-08	1.31E-07
1121	567462.99	4216877.27	7.58E-07	7.56E-07	1.51E-06	6.58E-07	6.69E-07	1.33E-06	7.95E-08	1.08E-07	1.88E-07	6.93E-08	6.68E-08	1.36E-07
1122	567460.75	4216886.25	7.87E-07	7.85E-07	1.57E-06	6.83E-07	6.94E-07	1.38E-06	8.26E-08	1.13E-07	1.95E-07	7.19E-08	6.93E-08	1.41E-07
1123	567451.78	4216922.16	9.28E-07	9.26E-07	1.85E-06	8.06E-07	8.19E-07	1.62E-06	9.74E-08	1.33E-07	2.30E-07	8.48E-08	8.17E-08	1.67E-07
1124	567449.54	4216931.13	9.71E-07	9.68E-07	1.94E-06	8.42E-07	8.56E-07	1.70E-06	1.02E-07	1.39E-07	2.41E-07	8.87E-08	8.55E-08	1.74E-07
1125	567447.3	4216940.11	1.01E-06	1.01E-06	2.03E-06	8.80E-07	8.95E-07	1.78E-06	1.06E-07	1.45E-07	2.51E-07	9.27E-08	8.93E-08	1.82E-07
1126	567445.05	4216949.09	1.06E-06	1.06E-06	2.11E-06	9.18E-07	9.34E-07	1.85E-06	1.11E-07	1.51E-07	2.62E-07	9.67E-08	9.32E-08	1.90E-07
1127	567442.81	4216958.06	1.11E-06	1.10E-06	2.21E-06	9.59E-07	9.75E-07	1.93E-06	1.16E-07	1.58E-07	2.74E-07	1.01E-07	9.73E-08	1.98E-07
1128	567440.57	4216967.04	1.15E-06	1.15E-06	2.30E-06	1.00E-06	1.02E-06	2.02E-06	1.21E-07	1.65E-07	2.86E-07	1.05E-07	1.02E-07	2.07E-07
1129	567438.33	4216976.02	1.21E-06	1.20E-06	2.41E-06	1.05E-06	1.07E-06	2.11E-06	1.27E-07	1.73E-07	2.99E-07	1.10E-07	1.06E-07	2.17E-07
1130	567436.09	4216984.99	1.26E-06	1.26E-06	2.53E-06	1.10E-06	1.12E-06	2.21E-06	1.33E-07	1.81E-07	3.13E-07	1.16E-07	1.11E-07	2.27E-07
1131	567433.84	4216993.97	1.32E-06	1.32E-06	2.64E-06	1.15E-06	1.17E-06	2.32E-06	1.39E-07	1.89E-07	3.28E-07	1.21E-07	1.17E-07	2.37E-07
1132	567349.27	4216690.28	6.06E-07	6.04E-07	1.21E-06	5.26E-07	5.35E-07	1.06E-06	6.36E-08	8.66E-08	1.50E-07	5.54E-08	5.33E-08	1.09E-07

1133	567341.36	4216684.77	6.01E-07	5.99E-07	1.20E-06	5.21E-07	5.30E-07	1.05E-06	6.30E-08	8.59E-08	1.49E-07	5.49E-08	5.29E-08	1.08E-07
1134	567333.45	4216679.25	5.95E-07	5.93E-07	1.19E-06	5.16E-07	5.25E-07	1.04E-06	6.24E-08	8.51E-08	1.47E-07	5.43E-08	5.24E-08	1.07E-07
1135	567325.55	4216673.74	5.89E-07	5.87E-07	1.18E-06	5.11E-07	5.19E-07	1.03E-06	6.17E-08	8.42E-08	1.46E-07	5.38E-08	5.18E-08	1.06E-07
1136	567293.92	4216651.68	5.47E-07	5.45E-07	1.09E-06	4.74E-07	4.82E-07	9.57E-07	5.73E-08	7.81E-08	1.35E-07	4.99E-08	4.81E-08	9.81E-08
1137	567286.01	4216646.17	5.34E-07	5.33E-07	1.07E-06	4.64E-07	4.71E-07	9.35E-07	5.60E-08	7.64E-08	1.32E-07	4.88E-08	4.70E-08	9.58E-08
1138	567278.1	4216640.65	5.22E-07	5.20E-07	1.04E-06	4.53E-07	4.60E-07	9.13E-07	5.47E-08	7.46E-08	1.29E-07	4.76E-08	4.59E-08	9.36E-08
1139	567270.2	4216635.14	5.09E-07	5.07E-07	1.02E-06	4.41E-07	4.49E-07	8.90E-07	5.33E-08	7.27E-08	1.26E-07	4.65E-08	4.48E-08	9.12E-08
1140	567262.29	4216629.63	4.96E-07	4.94E-07	9.90E-07	4.30E-07	4.37E-07	8.67E-07	5.20E-08	7.09E-08	1.23E-07	4.53E-08	4.36E-08	8.89E-08
1141	567254.38	4216624.11	4.83E-07	4.82E-07	9.65E-07	4.19E-07	4.26E-07	8.46E-07	5.07E-08	6.91E-08	1.20E-07	4.41E-08	4.25E-08	8.67E-08
1142	567246.48	4216618.6	4.71E-07	4.69E-07	9.40E-07	4.08E-07	4.15E-07	8.24E-07	4.94E-08	6.73E-08	1.17E-07	4.30E-08	4.14E-08	8.44E-08
1143	567368	4216695.74	5.91E-07	5.89E-07	1.18E-06	5.13E-07	5.22E-07	1.03E-06	6.20E-08	8.45E-08	1.47E-07	5.40E-08	5.21E-08	1.06E-07
1144	567373.1	4216703.88	6.05E-07	6.03E-07	1.21E-06	5.24E-07	5.33E-07	1.06E-06	6.34E-08	8.64E-08	1.50E-07	5.52E-08	5.32E-08	1.08E-07
1145	567378.2	4216712.02	6.17E-07	6.15E-07	1.23E-06	5.35E-07	5.44E-07	1.08E-06	6.47E-08	8.82E-08	1.53E-07	5.64E-08	5.43E-08	1.11E-07
1146	567383.3	4216720.17	6.35E-07	6.33E-07	1.27E-06	5.51E-07	5.60E-07	1.11E-06	6.66E-08	9.07E-08	1.57E-07	5.80E-08	5.59E-08	1.14E-07
1147	567388.4	4216728.31	6.47E-07	6.45E-07	1.29E-06	5.61E-07	5.70E-07	1.13E-06	6.78E-08	9.24E-08	1.60E-07	5.91E-08	5.69E-08	1.16E-07
1148	567398.6	4216744.59	6.67E-07	6.65E-07	1.33E-06	5.79E-07	5.89E-07	1.17E-06	7.00E-08	9.54E-08	1.65E-07	6.09E-08	5.87E-08	1.20E-07
1149	567403.7	4216752.74	6.75E-07	6.73E-07	1.35E-06	5.86E-07	5.95E-07	1.18E-06	7.08E-08	9.65E-08	1.67E-07	6.17E-08	5.94E-08	1.21E-07
1150	567408.8	4216760.88	6.82E-07	6.79E-07	1.36E-06	5.91E-07	6.01E-07	1.19E-06	7.15E-08	9.74E-08	1.69E-07	6.23E-08	6.00E-08	1.22E-07
1151	567413.9	4216769.02	6.87E-07	6.85E-07	1.37E-06	5.96E-07	6.06E-07	1.20E-06	7.21E-08	9.82E-08	1.70E-07	6.28E-08	6.05E-08	1.23E-07
1152	567419	4216777.16	6.92E-07	6.90E-07	1.38E-06	6.00E-07	6.11E-07	1.21E-06	7.26E-08	9.89E-08	1.72E-07	6.32E-08	6.09E-08	1.24E-07
1153	567424.1	4216785.31	6.96E-07	6.94E-07	1.39E-06	6.04E-07	6.14E-07	1.22E-06	7.30E-08	9.95E-08	1.72E-07	6.36E-08	6.13E-08	1.25E-07
1154	567429.2	4216793.45	6.98E-07	6.95E-07	1.39E-06	6.05E-07	6.15E-07	1.22E-06	7.32E-08	9.97E-08	1.73E-07	6.37E-08	6.14E-08	1.25E-07
1155	567434.31	4216801.59	6.98E-07	6.96E-07	1.39E-06	6.05E-07	6.16E-07	1.22E-06	7.32E-08	9.97E-08	1.73E-07	6.37E-08	6.14E-08	1.25E-07
1156	567449.61	4216826.02	6.96E-07	6.94E-07	1.39E-06	6.04E-07	6.14E-07	1.22E-06	7.30E-08	9.95E-08	1.73E-07	6.36E-08	6.13E-08	1.25E-07
1157	567454.71	4216834.16	6.96E-07	6.94E-07	1.39E-06	6.04E-07	6.14E-07	1.22E-06	7.30E-08	9.95E-08	1.72E-07	6.36E-08	6.13E-08	1.25E-07
1158	567459.81	4216842.3	6.95E-07	6.93E-07	1.39E-06	6.03E-07	6.13E-07	1.22E-06	7.29E-08	9.94E-08	1.72E-07	6.35E-08	6.12E-08	1.25E-07
1159	567464.91	4216850.45	6.95E-07	6.92E-07	1.39E-06	6.03E-07	6.13E-07	1.22E-06	7.28E-08	9.93E-08	1.72E-07	6.34E-08	6.11E-08	1.25E-07
1160	567470.01	4216858.59	6.94E-07	6.92E-07	1.39E-06	6.02E-07	6.12E-07	1.21E-06	7.28E-08	9.92E-08	1.72E-07	6.34E-08	6.11E-08	1.25E-07
1161	567472.78	4216876.05	7.20E-07	7.18E-07	1.44E-06	6.25E-07	6.35E-07	1.26E-06	7.55E-08	1.03E-07	1.78E-07	6.58E-08	6.34E-08	1.29E-07
1162	567470.45	4216885.37	7.47E-07	7.44E-07	1.49E-06	6.48E-07	6.59E-07	1.31E-06	7.83E-08	1.07E-07	1.85E-07	6.82E-08	6.57E-08	1.34E-07
1163	567468.13	4216894.7	7.75E-07	7.73E-07	1.55E-06	6.73E-07	6.84E-07	1.36E-06	8.13E-08	1.11E-07	1.92E-07	7.08E-08	6.83E-08	1.39E-07
1164	567465.8	4216904.02	8.06E-07	8.04E-07	1.61E-06	7.00E-07	7.11E-07	1.41E-06	8.46E-08	1.15E-07	2.00E-07	7.37E-08	7.10E-08	1.45E-07
1165	567458.81	4216931.98	9.20E-07	9.17E-07	1.84E-06	7.98E-07	8.11E-07	1.61E-06	9.65E-08	1.31E-07	2.28E-07	8.40E-08	8.10E-08	1.65E-07
1166	567456.48	4216941.3	9.61E-07	9.58E-07	1.92E-06	8.34E-07	8.48E-07	1.68E-06	1.01E-07	1.37E-07	2.38E-07	8.78E-08	8.46E-08	1.72E-07
1167	567454.16	4216950.63	1.00E-06	1.00E-06	2.01E-06	8.71E-07	8.86E-07	1.76E-06	1.05E-07	1.44E-07	2.49E-07	9.17E-08	8.84E-08	1.80E-07
1168	567451.83	4216959.95	1.05E-06	1.05E-06	2.10E-06	9.10E-07	9.26E-07	1.84E-06	1.10E-07	1.50E-07	2.60E-07	9.58E-08	9.24E-08	1.88E-07
1169	567449.5	4216969.27	1.10E-06	1.09E-06	2.19E-06	9.51E-07	9.67E-07	1.92E-06	1.15E-07	1.57E-07	2.72E-07	1.00E-07	9.65E-08	1.97E-07
1170	567447.17	4216978.59	1.15E-06	1.14E-06	2.29E-06	9.96E-07	1.01E-06	2.01E-06	1.20E-07	1.64E-07	2.85E-07	1.05E-07	1.01E-07	2.06E-07
1171	567444.84	4216987.91	1.20E-06	1.20E-06	2.40E-06	1.04E-06	1.06E-06	2.10E-06	1.26E-07	1.72E-07	2.98E-07	1.10E-07	1.06E-07	2.16E-07
1172	567362.9	4216687.6	5.77E-07	5.75E-07	1.15E-06	5.00E-07	5.09E-07	1.01E-06	6.05E-08	8.25E-08	1.43E-07	5.27E-08	5.08E-08	1.03E-07
1173	567354.99	4216682.08	5.73E-07	5.71E-07	1.14E-06	4.97E-07	5.06E-07	1.00E-06	6.01E-08	8.19E-08	1.42E-07	5.23E-08	5.04E-08	1.03E-07
1174	567347.08	4216676.57	5.68E-07	5.66E-07	1.13E-06	4.93E-07	5.01E-07	9.94E-07	5.96E-08	8.12E-08	1.41E-07	5.19E-08	5.00E-08	1.02E-07
1175	567339.17	4216671.05	5.63E-07	5.61E-07	1.12E-06	4.88E-07	4.96E-07	9.85E-07	5.90E-08	8.04E-08	1.39E-07	5.14E-08	4.95E-08	1.01E-07
1176	567307.55	4216649	5.29E-07	5.28E-07	1.06E-06	4.59E-07	4.67E-07	9.26E-07	5.55E-08	7.57E-08	1.31E-07	4.83E-08	4.66E-08	9.49E-08
1177	567299.64	4216643.48	5.18E-07	5.17E-07	1.04E-06	4.50E-07	4.57E-07	9.07E-07	5.44E-08	7.41E-08	1.29E-07	4.74E-08	4.56E-08	9.30E-08
1178	567291.73	4216637.97	5.07E-07	5.06E-07	1.01E-06	4.40E-07	4.47E-07	8.88E-07	5.32E-08	7.25E-08	1.26E-07	4.63E-08	4.46E-08	9.10E-08
1179	567283.82	4216632.45	4.96E-07	4.94E-07	9.90E-07	4.30E-07	4.37E-07	8.67E-07	5.20E-08	7.08E-08	1.23E-07	4.53E-08	4.36E-08	8.89E-08
1180	567275.92	4216626.94	4.84E-07	4.82E-07	9.66E-07	4.20E-07	4.27E-07	8.46E-07	5.07E-08	6.92E-08	1.20E-07	4.42E-08	4.26E-08	8.68E-08
1181	567268.01	4216621.42	4.72E-07	4.70E-07	9.42E-07	4.09E-07	4.16E-07	8.26E-07	4.95E-08	6.75E-08	1.17E-07	4.31E-08	4.15E-08	8.46E-08
1182	567260.1	4216615.91	4.60E-07	4.59E-07	9.19E-07	3.99E-07	4.06E-07	8.05E-07	4.83E-08	6.58E-08	1.14E-07	4.20E-08	4.05E-08	8.26E-08
1183	567252.2	4216610.4	4.49E-07	4.47E-07	8.96E-07	3.89E-07	3.96E-07	7.85E-07	4.71E-08	6.41E-08	1.11E-07	4.10E-08	3.95E-08	8.05E-08
1184	567373.68	4216687.47	5.60E-07	5.58E-07	1.12E-06	4.86E-07	4.94E-07	9.80E-07	5.87E-08	8.01E-08	1.39E-07	5.12E-08	4.93E-08	1.00E-07
1185	567378.73	4216695.55	5.73E-07	5.71E-07	1.14E-06	4.97E-07	5.05E-07	1.00E-06	6.01E-08	8.19E-08	1.42E-07	5.23E-08	5.04E-08	1.03E-07
1186	567383.79	4216703.62	5.85E-07	5.83E-07	1.17E-06	5.07E-07	5.16E-07	1.02E-06	6.13E-08	8.36E-08	1.45E-07	5.34E-08	5.15E-08	1.05E-07
1187	567388.85	4216711.7	5.96E-07	5.95E-07	1.19E-06	5.18E-07	5.26E-07	1.04E-06	6.26E-08	8.53E-08	1.48E-07	5.45E-08	5.25E-08	1.07E-07
1188	567393.91	4216719.78	6.13E-07	6.11E-07	1.22E-06	5.32E-07	5.40E-07	1.07E-06	6.43E-08	8.76E-08	1.52E-07	5.60E-08	5.39E-08	1.10E-07
1189	567398.97	4216727.85	6.23E-07	6.21E-07	1.24E-06	5.40E-07	5.50E-07	1.09E-06	6.53E-08	8.90E-08	1.54E-07	5.69E-08	5.48E-08	1.12E-07
1190	567409.09	4216744.01	6.40E-07	6.38E-07	1.28E-06	5.55E-07	5.64E-07	1.12E-06	6.71E-08	9.15E-08	1.59E-07	5.84E-08	5.63E-08	1.15E-07
1191	567414.15	4216752.09	6.46E-07	6.44E-07	1.29E-06	5.60E-07	5.70E-07	1.13E-06	6.77E-08	9.23E-08	1.60E-07	5.90E-08	5.69E-08	1.16E-07
1192	567419.21	4216760.16	6.51E-07	6.49E-07	1.30E-06	5.65E-07	5.75E-07	1.14E-06	6.83E-08	9.31E-08	1.61E-07	5.95E-08	5.73E-08	1.17E-07
1193	567424.27	4216768.24	6.56E-07	6.54E-07	1.31E-06	5.69E-07	5.79E-07	1.15E-06	6.88E-08	9.38E-08	1.63E-07	6.00E-08	5.78E-08	1.18E-07
1194	567429.33	4216776.32	6.60E-07	6.58E-07	1.32E-06	5.73E-07	5.82E-07	1.16E-06	6.93E-08	9.44E-08	1.64E-07	6.03E-08	5.81E-08	1.18E-07
1195	567434.39	4216784.39	6.63E-07	6.61E-07	1.32E-06	5.75E-07	5.85E-07	1.16E-06	6.96E-08	9.48E-08	1.64E-07	6.06E-08	5.84E-08	1.19E-07
1196	567439.45	4216792.47	6.64E-07	6.62E-07	1.33E-06	5.76E-07	5.86E-07	1.16E-06	6.97E-08	9.50E-08	1.65E-07	6.07E-08	5.85E-08	1.19E-07
1197	567444.51	4216800.55	6.64E-07	6.62E-07	1.33E-06	5.76E-07	5.86E-07	1.16E-06	6.97E-08	9.49E-08	1.65E-07	6.07E-08	5.85E-08	1.19E-07
1198	567459.69	4216824.78	6.63E-07	6.61E-07	1.32E-06	5.75E-07	5.85E-07	1.16E-06	6.96E-08	9.48E-08	1.64E-07	6.06E-08	5.84E-08	1.19E-07
1199	567464.75	4216832.85	6.63E-07	6.61E-07	1.32E-06	5.75E-07	5.85E-07	1.16E-06	6.95E-08	9.47E-08	1.64E-07	6.05E-08	5.83E-08	1.19E-07
1200	567469.81	4216840.93	6.62E-07	6.60E-07	1.32E-06	5.74E-07	5.84E-07	1.16E-06	6.94E-08	9.46E-08	1.64E-07	6.04E-08	5.82E-08	1.19E-07
1201	567474.87	4216849.01	6.61E-07	6.59E-07	1.32E-06	5.73E-07	5.83E-07	1.16E-06	6.93E-08	9.44E-08	1.64E-07	6.03E-08	5.81E-08	1.18E-07
1202	567479.93	4216857.09	6.60E-07	6.58E-07	1.32E-06	5.72E-07	5.82E-07	1.15E-06	6.92E-08	9.43E-08	1.63E-07	6.03E-08	5.81E-08	1.18E-07
1203	567482.68	4216874.41	6.82E-07	6.80E-07	1.36E-06	5.92E-07	6.01E-07	1.19E-06	7.15E-08	9.75E-08	1.69E-07	6.23E-08	6.00E-08	1.22E-07

1204	567480.37	4216883.66	7.07E-07	7.05E-07	1.41E-06	6.13E-07	6.23E-07	1.24E-06	7.41E-08	1.01E-07	1.75E-07	6.46E-08	6.22E-08	1.27E-07
1205	567478.06	4216892.9	7.33E-07	7.30E-07	1.46E-06	6.36E-07	6.46E-07	1.28E-06	7.69E-08	1.05E-07	1.82E-07	6.69E-08	6.45E-08	1.31E-07
1206	567475.75	4216902.15	7.60E-07	7.58E-07	1.52E-06	6.60E-07	6.71E-07	1.33E-06	7.97E-08	1.09E-07	1.88E-07	6.94E-08	6.69E-08	1.36E-07
1207	567468.82	4216929.89	8.61E-07	8.58E-07	1.72E-06	7.47E-07	7.59E-07	1.51E-06	9.03E-08	1.23E-07	2.13E-07	7.86E-08	7.58E-08	1.54E-07
1208	567466.51	4216939.14	8.99E-07	8.96E-07	1.79E-06	7.80E-07	7.93E-07	1.57E-06	9.43E-08	1.28E-07	2.23E-07	8.21E-08	7.91E-08	1.61E-07
1209	567464.2	4216948.38	9.38E-07	9.35E-07	1.87E-06	8.13E-07	8.27E-07	1.64E-06	9.83E-08	1.34E-07	2.32E-07	8.56E-08	8.25E-08	1.68E-07
1210	567461.89	4216957.63	9.79E-07	9.76E-07	1.95E-06	8.49E-07	8.63E-07	1.71E-06	1.03E-07	1.40E-07	2.43E-07	8.94E-08	8.61E-08	1.76E-07
1211	567459.58	4216966.88	1.02E-06	1.02E-06	2.04E-06	8.87E-07	9.02E-07	1.79E-06	1.07E-07	1.46E-07	2.53E-07	9.34E-08	9.00E-08	1.83E-07
1212	567457.27	4216976.12	1.07E-06	1.07E-06	2.13E-06	9.27E-07	9.43E-07	1.87E-06	1.12E-07	1.53E-07	2.65E-07	9.76E-08	9.41E-08	1.92E-07
1213	567454.96	4216985.37	1.12E-06	1.11E-06	2.23E-06	9.69E-07	9.86E-07	1.96E-06	1.17E-07	1.60E-07	2.77E-07	1.02E-07	9.84E-08	2.00E-07
1214	567452.65	4216994.62	1.17E-06	1.16E-06	2.33E-06	1.01E-06	1.03E-06	2.04E-06	1.22E-07	1.67E-07	2.89E-07	1.07E-07	1.03E-07	2.09E-07
1215	567368.62	4216679.39	5.47E-07	5.45E-07	1.09E-06	4.74E-07	4.82E-07	9.57E-07	5.73E-08	7.81E-08	1.35E-07	4.99E-08	4.81E-08	9.81E-08
1216	567360.71	4216673.88	5.43E-07	5.41E-07	1.08E-06	4.71E-07	4.79E-07	9.50E-07	5.69E-08	7.76E-08	1.35E-07	4.96E-08	4.78E-08	9.74E-08
1217	567352.8	4216668.36	5.38E-07	5.36E-07	1.07E-06	4.67E-07	4.75E-07	9.41E-07	5.64E-08	7.69E-08	1.33E-07	4.91E-08	4.74E-08	9.65E-08
1218	567321.17	4216646.31	5.12E-07	5.10E-07	1.02E-06	4.44E-07	4.52E-07	8.96E-07	5.37E-08	7.32E-08	1.27E-07	4.68E-08	4.51E-08	9.18E-08
1219	567313.27	4216640.79	5.03E-07	5.01E-07	1.00E-06	4.36E-07	4.43E-07	8.79E-07	5.27E-08	7.18E-08	1.25E-07	4.59E-08	4.42E-08	9.02E-08
1220	567305.36	4216635.28	4.93E-07	4.91E-07	9.84E-07	4.27E-07	4.35E-07	8.62E-07	5.17E-08	7.04E-08	1.22E-07	4.50E-08	4.34E-08	8.84E-08
1221	567297.45	4216629.76	4.82E-07	4.81E-07	9.63E-07	4.18E-07	4.25E-07	8.44E-07	5.06E-08	6.89E-08	1.20E-07	4.41E-08	4.25E-08	8.65E-08
1222	567289.54	4216624.25	4.72E-07	4.70E-07	9.42E-07	4.09E-07	4.16E-07	8.25E-07	4.95E-08	6.74E-08	1.17E-07	4.31E-08	4.15E-08	8.46E-08
1223	567281.64	4216618.74	4.61E-07	4.59E-07	9.20E-07	4.00E-07	4.06E-07	8.06E-07	4.83E-08	6.59E-08	1.14E-07	4.21E-08	4.06E-08	8.26E-08
1224	567273.73	4216613.22	4.50E-07	4.48E-07	8.98E-07	3.90E-07	3.97E-07	7.87E-07	4.72E-08	6.43E-08	1.11E-07	4.11E-08	3.96E-08	8.07E-08
1225	567265.82	4216607.71	4.39E-07	4.38E-07	8.77E-07	3.81E-07	3.87E-07	7.68E-07	4.61E-08	6.28E-08	1.09E-07	4.01E-08	3.86E-08	7.88E-08
1226	567257.92	4216602.19	4.28E-07	4.27E-07	8.55E-07	3.72E-07	3.78E-07	7.49E-07	4.49E-08	6.12E-08	1.06E-07	3.91E-08	3.77E-08	7.68E-08
1227	567379.36	4216679.21	5.32E-07	5.30E-07	1.06E-06	4.61E-07	4.69E-07	9.30E-07	5.58E-08	7.60E-08	1.32E-07	4.86E-08	4.68E-08	9.54E-08
1228	567384.38	4216687.22	5.43E-07	5.42E-07	1.09E-06	4.71E-07	4.79E-07	9.51E-07	5.70E-08	7.77E-08	1.35E-07	4.96E-08	4.78E-08	9.75E-08
1229	567389.4	4216695.24	5.55E-07	5.53E-07	1.11E-06	4.82E-07	4.90E-07	9.71E-07	5.82E-08	7.94E-08	1.38E-07	5.07E-08	4.89E-08	9.96E-08
1230	567394.42	4216703.26	5.66E-07	5.65E-07	1.13E-06	4.91E-07	5.00E-07	9.91E-07	5.94E-08	8.10E-08	1.40E-07	5.17E-08	4.99E-08	1.02E-07
1231	567399.45	4216711.27	5.77E-07	5.75E-07	1.15E-06	5.00E-07	5.09E-07	1.01E-06	6.05E-08	8.24E-08	1.43E-07	5.27E-08	5.08E-08	1.03E-07
1232	567404.47	4216719.29	5.91E-07	5.89E-07	1.18E-06	5.13E-07	5.22E-07	1.03E-06	6.20E-08	8.45E-08	1.47E-07	5.40E-08	5.20E-08	1.06E-07
1233	567409.49	4216727.31	6.00E-07	5.98E-07	1.20E-06	5.21E-07	5.29E-07	1.05E-06	6.29E-08	8.58E-08	1.49E-07	5.48E-08	5.28E-08	1.08E-07
1234	567419.53	4216743.34	6.14E-07	6.12E-07	1.23E-06	5.32E-07	5.41E-07	1.07E-06	6.44E-08	8.77E-08	1.52E-07	5.61E-08	5.40E-08	1.10E-07
1235	567424.56	4216751.36	6.19E-07	6.17E-07	1.24E-06	5.37E-07	5.46E-07	1.08E-06	6.49E-08	8.85E-08	1.53E-07	5.65E-08	5.45E-08	1.11E-07
1236	567429.58	4216759.38	6.23E-07	6.21E-07	1.24E-06	5.41E-07	5.50E-07	1.09E-06	6.54E-08	8.91E-08	1.55E-07	5.69E-08	5.49E-08	1.12E-07
1237	567434.6	4216767.39	6.27E-07	6.25E-07	1.25E-06	5.44E-07	5.53E-07	1.10E-06	6.58E-08	8.97E-08	1.55E-07	5.73E-08	5.52E-08	1.13E-07
1238	567439.62	4216775.41	6.30E-07	6.28E-07	1.26E-06	5.47E-07	5.56E-07	1.10E-06	6.61E-08	9.01E-08	1.56E-07	5.76E-08	5.55E-08	1.13E-07
1239	567444.64	4216783.43	6.33E-07	6.31E-07	1.26E-06	5.49E-07	5.58E-07	1.11E-06	6.64E-08	9.04E-08	1.57E-07	5.78E-08	5.57E-08	1.13E-07
1240	567449.67	4216791.44	6.33E-07	6.31E-07	1.26E-06	5.50E-07	5.59E-07	1.11E-06	6.64E-08	9.05E-08	1.57E-07	5.79E-08	5.58E-08	1.14E-07
1241	567454.69	4216799.46	6.33E-07	6.31E-07	1.26E-06	5.50E-07	5.59E-07	1.11E-06	6.64E-08	9.06E-08	1.57E-07	5.79E-08	5.58E-08	1.14E-07
1242	567464.73	4216815.49	6.33E-07	6.31E-07	1.26E-06	5.49E-07	5.58E-07	1.11E-06	6.64E-08	9.05E-08	1.57E-07	5.78E-08	5.57E-08	1.14E-07
1243	567469.75	4216823.51	6.33E-07	6.31E-07	1.26E-06	5.49E-07	5.58E-07	1.11E-06	6.63E-08	9.04E-08	1.57E-07	5.78E-08	5.57E-08	1.13E-07
1244	567474.78	4216831.53	6.32E-07	6.30E-07	1.26E-06	5.48E-07	5.57E-07	1.11E-06	6.63E-08	9.03E-08	1.57E-07	5.77E-08	5.56E-08	1.13E-07
1245	567479.8	4216839.54	6.31E-07	6.29E-07	1.26E-06	5.47E-07	5.56E-07	1.10E-06	6.61E-08	9.01E-08	1.56E-07	5.76E-08	5.55E-08	1.13E-07
1246	567484.82	4216847.56	6.29E-07	6.27E-07	1.26E-06	5.46E-07	5.55E-07	1.10E-06	6.60E-08	8.99E-08	1.56E-07	5.75E-08	5.54E-08	1.13E-07
1247	567489.84	4216855.58	6.28E-07	6.26E-07	1.25E-06	5.45E-07	5.54E-07	1.10E-06	6.58E-08	8.97E-08	1.56E-07	5.73E-08	5.53E-08	1.13E-07
1248	567492.57	4216872.77	6.47E-07	6.45E-07	1.29E-06	5.61E-07	5.71E-07	1.13E-06	6.78E-08	9.25E-08	1.60E-07	5.91E-08	5.69E-08	1.16E-07
1249	567490.28	4216881.95	6.70E-07	6.67E-07	1.34E-06	5.81E-07	5.91E-07	1.17E-06	7.02E-08	9.57E-08	1.66E-07	6.12E-08	5.89E-08	1.20E-07
1250	567487.99	4216891.13	6.94E-07	6.92E-07	1.39E-06	6.02E-07	6.12E-07	1.21E-06	7.28E-08	9.92E-08	1.72E-07	6.34E-08	6.11E-08	1.25E-07
1251	567485.69	4216900.31	7.20E-07	7.17E-07	1.44E-06	6.24E-07	6.35E-07	1.26E-06	7.55E-08	1.03E-07	1.78E-07	6.57E-08	6.33E-08	1.29E-07
1252	567483.4	4216909.48	7.47E-07	7.44E-07	1.49E-06	6.48E-07	6.59E-07	1.31E-06	7.83E-08	1.07E-07	1.85E-07	6.82E-08	6.57E-08	1.34E-07
1253	567476.52	4216937.02	8.43E-07	8.40E-07	1.68E-06	7.31E-07	7.43E-07	1.47E-06	8.84E-08	1.20E-07	2.09E-07	7.70E-08	7.42E-08	1.51E-07
1254	567474.23	4216946.2	8.78E-07	8.75E-07	1.75E-06	7.61E-07	7.74E-07	1.54E-06	9.20E-08	1.25E-07	2.17E-07	8.02E-08	7.72E-08	1.57E-07
1255	567471.94	4216955.37	9.15E-07	9.12E-07	1.83E-06	7.94E-07	8.07E-07	1.60E-06	9.59E-08	1.31E-07	2.27E-07	8.36E-08	8.05E-08	1.64E-07
1256	567469.65	4216964.55	9.54E-07	9.51E-07	1.91E-06	8.28E-07	8.42E-07	1.67E-06	1.00E-07	1.36E-07	2.36E-07	8.72E-08	8.40E-08	1.71E-07
1257	567467.35	4216973.73	9.96E-07	9.93E-07	1.99E-06	8.64E-07	8.79E-07	1.74E-06	1.04E-07	1.42E-07	2.47E-07	9.10E-08	8.77E-08	1.79E-07
1258	567465.06	4216982.91	1.04E-06	1.04E-06	2.08E-06	9.02E-07	9.17E-07	1.82E-06	1.09E-07	1.49E-07	2.58E-07	9.50E-08	9.16E-08	1.87E-07
1259	567462.77	4216992.09	1.09E-06	1.08E-06	2.17E-06	9.42E-07	9.58E-07	1.90E-06	1.14E-07	1.55E-07	2.69E-07	9.92E-08	9.56E-08	1.95E-07
1260	567460.48	4217001.26	1.13E-06	1.13E-06	2.26E-06	9.83E-07	1.00E-06	1.98E-06	1.19E-07	1.62E-07	2.81E-07	1.04E-07	9.98E-08	2.03E-07
1261	567374.34	4216671.19	5.19E-07	5.18E-07	1.04E-06	4.50E-07	4.58E-07	9.09E-07	5.45E-08	7.42E-08	1.29E-07	4.74E-08	4.57E-08	9.31E-08
1262	567366.43	4216665.68	5.15E-07	5.14E-07	1.03E-06	4.47E-07	4.55E-07	9.02E-07	5.41E-08	7.37E-08	1.28E-07	4.71E-08	4.54E-08	9.25E-08
1263	567334.8	4216643.62	4.93E-07	4.92E-07	9.85E-07	4.28E-07	4.35E-07	8.63E-07	5.18E-08	7.05E-08	1.22E-07	4.51E-08	4.34E-08	8.85E-08
1264	567326.89	4216638.1	4.87E-07	4.85E-07	9.72E-07	4.22E-07	4.29E-07	8.52E-07	5.11E-08	6.96E-08	1.21E-07	4.45E-08	4.28E-08	8.73E-08
1265	567318.99	4216632.59	4.78E-07	4.77E-07	9.55E-07	4.15E-07	4.22E-07	8.37E-07	5.01E-08	6.83E-08	1.18E-07	4.37E-08	4.21E-08	8.58E-08
1266	567311.08	4216627.08	4.69E-07	4.67E-07	9.36E-07	4.07E-07	4.14E-07	8.20E-07	4.92E-08	6.70E-08	1.16E-07	4.28E-08	4.13E-08	8.41E-08
1267	567303.17	4216621.56	4.59E-07	4.58E-07	9.17E-07	3.98E-07	4.05E-07	8.04E-07	4.82E-08	6.56E-08	1.14E-07	4.19E-08	4.04E-08	8.24E-08
1268	567295.26	4216616.05	4.49E-07	4.48E-07	8.97E-07	3.90E-07	3.96E-07	7.86E-07	4.71E-08	6.42E-08	1.11E-07	4.10E-08	3.96E-08	8.06E-08
1269	567287.36	4216610.53	4.39E-07	4.38E-07	8.77E-07	3.81E-07	3.88E-07	7.69E-07	4.61E-08	6.28E-08	1.09E-07	4.01E-08	3.87E-08	7.88E-08
1270	567279.45	4216605.02	4.29E-07	4.28E-07	8.57E-07	3.72E-07	3.79E-07	7.51E-07	4.50E-08	6.14E-08	1.06E-07	3.92E-08	3.78E-08	7.70E-08
1271	567271.54	4216599.5	4.19E-07	4.18E-07	8.37E-07	3.64E-07	3.70E-07	7.34E-07	4.40E-08	5.99E-08	1.04E-07	3.83E-08	3.69E-08	7.52E-08
1272	567263.64	4216593.99	4.09E-07	4.08E-07	8.17E-07	3.55E-07	3.61E-07	7.16E-07	4.29E-08	5.85E-08	1.01E-07	3.74E-08	3.60E-08	7.34E-08
1273	567385.04	4216670.95	5.06E-07	5.04E-07	1.01E-06	4.39E-07	4.46E-07	8.85E-07	5.30E-08	7.23E-08	1.25E-07	4.62E-08	4.45E-08	9.07E-08
1274	567390.03	4216678.91	5.17E-07	5.15E-07	1.03E-06	4.48E-07	4.56E-07	9.04E-07	5.42E-08	7.39E-08	1.28E-07	4.72E-08	4.55E-08	9.27E-08

1275	567395.02	4216686.87	5.28E-07	5.26E-07	1.05E-06	4.58E-07	4.66E-07	9.24E-07	5.54E-08	7.55E-08	1.31E-07	4.82E-08	4.65E-08	9.47E-08
1276	567400.01	4216694.83	5.38E-07	5.37E-07	1.08E-06	4.67E-07	4.75E-07	9.42E-07	5.65E-08	7.70E-08	1.33E-07	4.92E-08	4.74E-08	9.66E-08
1277	567404.99	4216702.8	5.48E-07	5.47E-07	1.10E-06	4.76E-07	4.84E-07	9.60E-07	5.75E-08	7.84E-08	1.36E-07	5.01E-08	4.83E-08	9.84E-08
1278	567409.98	4216710.76	5.57E-07	5.56E-07	1.11E-06	4.84E-07	4.92E-07	9.75E-07	5.85E-08	7.97E-08	1.38E-07	5.09E-08	4.91E-08	1.00E-07
1279	567429.93	4216742.6	5.89E-07	5.87E-07	1.18E-06	5.11E-07	5.19E-07	1.03E-06	6.17E-08	8.42E-08	1.46E-07	5.38E-08	5.18E-08	1.06E-07
1280	567434.92	4216750.57	5.93E-07	5.91E-07	1.18E-06	5.15E-07	5.23E-07	1.04E-06	6.22E-08	8.48E-08	1.47E-07	5.42E-08	5.22E-08	1.06E-07
1281	567439.9	4216758.53	5.97E-07	5.95E-07	1.19E-06	5.18E-07	5.27E-07	1.04E-06	6.26E-08	8.53E-08	1.48E-07	5.45E-08	5.25E-08	1.07E-07
1282	567444.89	4216766.49	6.00E-07	5.98E-07	1.20E-06	5.21E-07	5.29E-07	1.05E-06	6.29E-08	8.58E-08	1.49E-07	5.48E-08	5.28E-08	1.08E-07
1283	567449.88	4216774.45	6.03E-07	6.01E-07	1.20E-06	5.23E-07	5.32E-07	1.05E-06	6.32E-08	8.61E-08	1.49E-07	5.50E-08	5.31E-08	1.08E-07
1284	567454.87	4216782.41	6.04E-07	6.02E-07	1.21E-06	5.24E-07	5.33E-07	1.06E-06	6.34E-08	8.64E-08	1.50E-07	5.52E-08	5.32E-08	1.08E-07
1285	567459.85	4216790.37	6.05E-07	6.03E-07	1.21E-06	5.25E-07	5.33E-07	1.06E-06	6.34E-08	8.64E-08	1.50E-07	5.52E-08	5.32E-08	1.08E-07
1286	567464.84	4216798.33	6.05E-07	6.03E-07	1.21E-06	5.25E-07	5.33E-07	1.06E-06	6.34E-08	8.64E-08	1.50E-07	5.52E-08	5.32E-08	1.08E-07
1287	567474.82	4216814.26	6.04E-07	6.02E-07	1.21E-06	5.24E-07	5.33E-07	1.06E-06	6.34E-08	8.64E-08	1.50E-07	5.52E-08	5.32E-08	1.08E-07
1288	567479.8	4216822.22	6.04E-07	6.02E-07	1.21E-06	5.24E-07	5.33E-07	1.06E-06	6.33E-08	8.63E-08	1.50E-07	5.52E-08	5.32E-08	1.08E-07
1289	567484.79	4216830.18	6.03E-07	6.01E-07	1.20E-06	5.23E-07	5.32E-07	1.06E-06	6.32E-08	8.62E-08	1.49E-07	5.51E-08	5.31E-08	1.08E-07
1290	567489.78	4216838.14	6.02E-07	6.00E-07	1.20E-06	5.22E-07	5.31E-07	1.05E-06	6.31E-08	8.60E-08	1.49E-07	5.50E-08	5.30E-08	1.08E-07
1291	567494.77	4216846.1	6.00E-07	5.98E-07	1.20E-06	5.21E-07	5.29E-07	1.05E-06	6.29E-08	8.58E-08	1.49E-07	5.48E-08	5.28E-08	1.08E-07
1292	567493.36	4216907.6	7.06E-07	7.04E-07	1.41E-06	6.13E-07	6.23E-07	1.24E-06	7.41E-08	1.01E-07	1.75E-07	6.45E-08	6.22E-08	1.27E-07
1293	567484.25	4216944.06	8.25E-07	8.22E-07	1.65E-06	7.16E-07	7.28E-07	1.44E-06	8.65E-08	1.18E-07	2.04E-07	7.53E-08	7.26E-08	1.48E-07
1294	567481.97	4216953.17	8.59E-07	8.56E-07	1.71E-06	7.45E-07	7.57E-07	1.50E-06	9.01E-08	1.23E-07	2.13E-07	7.84E-08	7.56E-08	1.54E-07
1295	567479.7	4216962.29	8.94E-07	8.92E-07	1.79E-06	7.76E-07	7.89E-07	1.56E-06	9.38E-08	1.28E-07	2.22E-07	8.17E-08	7.87E-08	1.60E-07
1296	567477.42	4216971.4	9.32E-07	9.29E-07	1.86E-06	8.08E-07	8.22E-07	1.63E-06	9.77E-08	1.33E-07	2.31E-07	8.51E-08	8.20E-08	1.67E-07
1297	567475.14	4216980.52	9.71E-07	9.68E-07	1.94E-06	8.43E-07	8.57E-07	1.70E-06	1.02E-07	1.39E-07	2.41E-07	8.87E-08	8.55E-08	1.74E-07
1298	567472.87	4216989.63	1.01E-06	1.01E-06	2.02E-06	8.78E-07	8.93E-07	1.77E-06	1.06E-07	1.45E-07	2.51E-07	9.25E-08	8.91E-08	1.82E-07
1299	567470.59	4216998.75	1.06E-06	1.05E-06	2.11E-06	9.16E-07	9.31E-07	1.85E-06	1.11E-07	1.51E-07	2.62E-07	9.64E-08	9.29E-08	1.89E-07
1300	567380.06	4216662.99	4.94E-07	4.92E-07	9.86E-07	4.29E-07	4.36E-07	8.64E-07	5.18E-08	7.06E-08	1.22E-07	4.51E-08	4.35E-08	8.86E-08
1301	567340.52	4216635.42	4.69E-07	4.67E-07	9.36E-07	4.07E-07	4.14E-07	8.20E-07	4.92E-08	6.70E-08	1.16E-07	4.28E-08	4.13E-08	8.41E-08
1302	567332.61	4216629.9	4.63E-07	4.62E-07	9.25E-07	4.02E-07	4.09E-07	8.11E-07	4.86E-08	6.62E-08	1.15E-07	4.23E-08	4.08E-08	8.31E-08
1303	567324.71	4216624.39	4.55E-07	4.54E-07	9.09E-07	3.95E-07	4.02E-07	7.97E-07	4.78E-08	6.51E-08	1.13E-07	4.16E-08	4.01E-08	8.17E-08
1304	567316.8	4216618.87	4.47E-07	4.45E-07	8.92E-07	3.88E-07	3.94E-07	7.82E-07	4.69E-08	6.39E-08	1.11E-07	4.08E-08	3.93E-08	8.02E-08
1305	567308.89	4216613.36	4.38E-07	4.37E-07	8.75E-07	3.80E-07	3.86E-07	7.66E-07	4.59E-08	6.26E-08	1.09E-07	4.00E-08	3.86E-08	7.86E-08
1306	567300.98	4216607.85	4.29E-07	4.27E-07	8.56E-07	3.72E-07	3.78E-07	7.50E-07	4.50E-08	6.13E-08	1.06E-07	3.92E-08	3.77E-08	7.69E-08
1307	567293.08	4216602.33	4.19E-07	4.18E-07	8.38E-07	3.64E-07	3.70E-07	7.34E-07	4.40E-08	6.00E-08	1.04E-07	3.83E-08	3.69E-08	7.52E-08
1308	567285.17	4216596.82	4.10E-07	4.09E-07	8.19E-07	3.56E-07	3.62E-07	7.18E-07	4.30E-08	5.86E-08	1.02E-07	3.75E-08	3.61E-08	7.36E-08
1309	567277.26	4216591.3	4.01E-07	4.00E-07	8.00E-07	3.48E-07	3.54E-07	7.01E-07	4.20E-08	5.73E-08	9.93E-08	3.66E-08	3.53E-08	7.19E-08
1310	567269.36	4216585.79	3.92E-07	3.90E-07	7.82E-07	3.40E-07	3.45E-07	6.85E-07	4.11E-08	5.60E-08	9.70E-08	3.58E-08	3.45E-08	7.02E-08
1311	567390.73	4216662.7	4.82E-07	4.80E-07	9.62E-07	4.18E-07	4.25E-07	8.43E-07	5.05E-08	6.88E-08	1.19E-07	4.40E-08	4.24E-08	8.64E-08
1312	567395.69	4216670.61	4.92E-07	4.91E-07	9.83E-07	4.27E-07	4.34E-07	8.61E-07	5.16E-08	7.04E-08	1.22E-07	4.50E-08	4.33E-08	8.83E-08
1313	567400.64	4216678.52	5.02E-07	5.01E-07	1.00E-06	4.36E-07	4.43E-07	8.79E-07	5.27E-08	7.18E-08	1.25E-07	4.59E-08	4.42E-08	9.01E-08
1314	567405.6	4216686.43	5.12E-07	5.11E-07	1.02E-06	4.45E-07	4.52E-07	8.97E-07	5.37E-08	7.32E-08	1.27E-07	4.68E-08	4.51E-08	9.19E-08
1315	567410.55	4216694.34	5.22E-07	5.20E-07	1.04E-06	4.53E-07	4.60E-07	9.13E-07	5.48E-08	7.46E-08	1.29E-07	4.77E-08	4.59E-08	9.36E-08
1316	567420.46	4216710.16	5.38E-07	5.37E-07	1.07E-06	4.67E-07	4.75E-07	9.42E-07	5.65E-08	7.69E-08	1.33E-07	4.92E-08	4.74E-08	9.65E-08
1317	567425.42	4216718.07	5.50E-07	5.48E-07	1.10E-06	4.77E-07	4.85E-07	9.62E-07	5.76E-08	7.86E-08	1.36E-07	5.02E-08	4.84E-08	9.86E-08
1318	567435.33	4216733.89	5.60E-07	5.59E-07	1.12E-06	4.86E-07	4.94E-07	9.81E-07	5.88E-08	8.01E-08	1.39E-07	5.12E-08	4.93E-08	1.01E-07
1319	567440.29	4216741.8	5.65E-07	5.63E-07	1.13E-06	4.90E-07	4.98E-07	9.88E-07	5.92E-08	8.07E-08	1.40E-07	5.16E-08	4.97E-08	1.01E-07
1320	567450.2	4216757.62	5.72E-07	5.71E-07	1.14E-06	4.97E-07	5.05E-07	1.00E-06	6.00E-08	8.18E-08	1.42E-07	5.23E-08	5.04E-08	1.03E-07
1321	567455.15	4216765.53	5.75E-07	5.73E-07	1.15E-06	4.99E-07	5.07E-07	1.01E-06	6.03E-08	8.22E-08	1.43E-07	5.25E-08	5.06E-08	1.03E-07
1322	567460.11	4216773.44	5.77E-07	5.75E-07	1.15E-06	5.00E-07	5.09E-07	1.01E-06	6.05E-08	8.25E-08	1.43E-07	5.27E-08	5.08E-08	1.03E-07
1323	567465.06	4216781.35	5.78E-07	5.76E-07	1.15E-06	5.01E-07	5.10E-07	1.01E-06	6.06E-08	8.26E-08	1.43E-07	5.28E-08	5.08E-08	1.04E-07
1324	567470.02	4216789.26	5.78E-07	5.76E-07	1.15E-06	5.01E-07	5.10E-07	1.01E-06	6.06E-08	8.26E-08	1.43E-07	5.28E-08	5.08E-08	1.04E-07
1325	567474.97	4216797.18	5.78E-07	5.76E-07	1.15E-06	5.01E-07	5.10E-07	1.01E-06	6.06E-08	8.26E-08	1.43E-07	5.28E-08	5.09E-08	1.04E-07
1326	567484.88	4216813	5.78E-07	5.76E-07	1.15E-06	5.01E-07	5.10E-07	1.01E-06	6.06E-08	8.26E-08	1.43E-07	5.28E-08	5.09E-08	1.04E-07
1327	567489.84	4216820.91	5.77E-07	5.75E-07	1.15E-06	5.01E-07	5.09E-07	1.01E-06	6.05E-08	8.25E-08	1.43E-07	5.27E-08	5.08E-08	1.04E-07
1328	567494.79	4216828.82	5.76E-07	5.74E-07	1.15E-06	5.00E-07	5.08E-07	1.01E-06	6.04E-08	8.24E-08	1.43E-07	5.26E-08	5.07E-08	1.03E-07
1329	567492	4216951.02	8.08E-07	8.05E-07	1.61E-06	7.01E-07	7.13E-07	1.41E-06	8.48E-08	1.16E-07	2.00E-07	7.38E-08	7.11E-08	1.45E-07
1330	567489.73	4216960.08	8.41E-07	8.38E-07	1.68E-06	7.30E-07	7.42E-07	1.47E-06	8.82E-08	1.20E-07	2.08E-07	7.68E-08	7.40E-08	1.51E-07
1331	567487.47	4216969.13	8.75E-07	8.72E-07	1.75E-06	7.59E-07	7.72E-07	1.53E-06	9.18E-08	1.25E-07	2.17E-07	7.99E-08	7.70E-08	1.57E-07
1332	567485.21	4216978.19	9.11E-07	9.08E-07	1.82E-06	7.90E-07	8.03E-07	1.59E-06	9.55E-08	1.30E-07	2.26E-07	8.32E-08	8.02E-08	1.63E-07
1333	567482.95	4216987.25	9.48E-07	9.45E-07	1.89E-06	8.22E-07	8.36E-07	1.66E-06	9.94E-08	1.35E-07	2.35E-07	8.66E-08	8.34E-08	1.70E-07
1334	567480.68	4216996.3	9.87E-07	9.84E-07	1.97E-06	8.56E-07	8.70E-07	1.73E-06	1.03E-07	1.41E-07	2.45E-07	9.01E-08	8.68E-08	1.77E-07
1335	567478.42	4217005.36	1.03E-06	1.02E-06	2.05E-06	8.92E-07	9.07E-07	1.80E-06	1.08E-07	1.47E-07	2.55E-07	9.39E-08	9.05E-08	1.84E-07
1336	567354.15	4216632.73	4.52E-07	4.51E-07	9.03E-07	3.92E-07	3.99E-07	7.91E-07	4.74E-08	6.46E-08	1.12E-07	4.13E-08	3.98E-08	8.11E-08
1337	567346.24	4216627.21	4.47E-07	4.46E-07	8.93E-07	3.88E-07	3.95E-07	7.83E-07	4.69E-08	6.39E-08	1.11E-07	4.09E-08	3.94E-08	8.02E-08
1338	567338.33	4216621.7	4.42E-07	4.41E-07	8.82E-07	3.83E-07	3.90E-07	7.73E-07	4.63E-08	6.32E-08	1.10E-07	4.04E-08	3.89E-08	7.93E-08
1339	567330.43	4216616.19	4.34E-07	4.33E-07	8.68E-07	3.77E-07	3.83E-07	7.60E-07	4.56E-08	6.21E-08	1.08E-07	3.97E-08	3.82E-08	7.79E-08
1340	567322.52	4216610.67	4.27E-07	4.25E-07	8.52E-07	3.70E-07	3.76E-07	7.46E-07	4.47E-08	6.10E-08	1.06E-07	3.90E-08	3.75E-08	7.65E-08
1341	567314.61	4216605.16	4.18E-07	4.17E-07	8.35E-07	3.63E-07	3.69E-07	7.32E-07	4.39E-08	5.98E-08	1.04E-07	3.82E-08	3.68E-08	7.50E-08
1342	567306.7	4216599.64	4.10E-07	4.08E-07	8.18E-07	3.55E-07	3.61E-07	7.17E-07	4.30E-08	5.86E-08	1.02E-07	3.74E-08	3.61E-08	7.35E-08
1343	567298.8	4216594.13	4.01E-07	4.00E-07	8.01E-07	3.48E-07	3.54E-07	7.02E-07	4.21E-08	5.73E-08	9.94E-08	3.66E-08	3.53E-08	7.19E-08
1344	567290.89	4216588.61	3.92E-07	3.91E-07	7.83E-07	3.40E-07	3.46E-07	6.86E-07	4.11E-08	5.61E-08	9.72E-08	3.58E-08	3.45E-08	7.04E-08
1345	567282.98	4216583.1	3.84E-07	3.82E-07	7.66E-07	3.33E-07	3.38E-07	6.71E-07	4.02E-08	5.48E-08	9.51E-08	3.50E-08	3.38E-08	6.88E-08

1346	567275.08	4216577.59	3.75E-07	3.74E-07	7.49E-07	3.25E-07	3.31E-07	6.56E-07	3.93E-08	5.36E-08	9.29E-08	3.43E-08	3.30E-08	6.73E-08
1347	567103.47	4216803.66	2.99E-06	2.98E-06	5.98E-06	2.60E-06	2.64E-06	5.24E-06	3.14E-07	4.28E-07	7.42E-07	2.73E-07	2.64E-07	5.37E-07
1348	567103.47	4216793.66	2.48E-06	2.47E-06	4.96E-06	2.15E-06	2.19E-06	4.34E-06	2.60E-07	3.55E-07	6.15E-07	2.27E-07	2.18E-07	4.45E-07
1349	567104.9	4216784.11	2.12E-06	2.11E-06	4.23E-06	1.84E-06	1.87E-06	3.71E-06	2.22E-07	3.03E-07	5.26E-07	1.94E-07	1.87E-07	3.80E-07
1350	567104.61	4216774.02	1.83E-06	1.82E-06	3.65E-06	1.58E-06	1.61E-06	3.19E-06	1.92E-07	2.61E-07	4.53E-07	1.67E-07	1.61E-07	3.28E-07
1351	567118.34	4216778.33	1.95E-06	1.95E-06	3.90E-06	1.69E-06	1.72E-06	3.42E-06	2.05E-07	2.79E-07	4.84E-07	1.78E-07	1.72E-07	3.50E-07
1352	567104.42	4216763.96	1.60E-06	1.59E-06	3.19E-06	1.38E-06	1.41E-06	2.79E-06	1.67E-07	2.28E-07	3.95E-07	1.46E-07	1.40E-07	2.86E-07
1353	567117.77	4216768.15	1.69E-06	1.69E-06	3.38E-06	1.47E-06	1.49E-06	2.96E-06	1.77E-07	2.42E-07	4.19E-07	1.55E-07	1.49E-07	3.03E-07
1354	567089.85	4216761.86	1.55E-06	1.54E-06	3.09E-06	1.34E-06	1.37E-06	2.71E-06	1.62E-07	2.21E-07	3.84E-07	1.41E-07	1.36E-07	2.78E-07
1355	567104.29	4216753.91	1.41E-06	1.41E-06	2.82E-06	1.22E-06	1.24E-06	2.47E-06	1.48E-07	2.02E-07	3.49E-07	1.29E-07	1.24E-07	2.53E-07
1356	567117.36	4216758.02	1.49E-06	1.48E-06	2.97E-06	1.29E-06	1.31E-06	2.60E-06	1.56E-07	2.12E-07	3.68E-07	1.36E-07	1.31E-07	2.67E-07
1357	567130.44	4216762.13	1.57E-06	1.56E-06	3.13E-06	1.36E-06	1.38E-06	2.75E-06	1.65E-07	2.24E-07	3.89E-07	1.43E-07	1.38E-07	2.81E-07
1358	567089.85	4216751.86	1.37E-06	1.37E-06	2.74E-06	1.19E-06	1.21E-06	2.40E-06	1.44E-07	1.96E-07	3.40E-07	1.25E-07	1.21E-07	2.46E-07
1359	567105.1	4216744.17	1.26E-06	1.26E-06	2.52E-06	1.09E-06	1.11E-06	2.21E-06	1.32E-07	1.80E-07	3.13E-07	1.15E-07	1.11E-07	2.26E-07
1360	567119.81	4216748.79	1.33E-06	1.33E-06	2.66E-06	1.16E-06	1.18E-06	2.33E-06	1.40E-07	1.91E-07	3.31E-07	1.22E-07	1.17E-07	2.39E-07
1361	567134.52	4216753.42	1.41E-06	1.41E-06	2.82E-06	1.22E-06	1.24E-06	2.47E-06	1.48E-07	2.02E-07	3.50E-07	1.29E-07	1.24E-07	2.53E-07
1362	567089.85	4216741.86	1.23E-06	1.22E-06	2.45E-06	1.06E-06	1.08E-06	2.14E-06	1.29E-07	1.75E-07	3.04E-07	1.12E-07	1.08E-07	2.20E-07
1363	567104.9	4216734.11	1.13E-06	1.13E-06	2.26E-06	9.84E-07	1.00E-06	1.98E-06	1.19E-07	1.62E-07	2.81E-07	1.04E-07	9.98E-08	2.03E-07
1364	567119.2	4216738.6	1.19E-06	1.19E-06	2.38E-06	1.04E-06	1.05E-06	2.09E-06	1.25E-07	1.71E-07	2.96E-07	1.09E-07	1.05E-07	2.14E-07
1365	567133.5	4216743.09	1.26E-06	1.25E-06	2.51E-06	1.09E-06	1.11E-06	2.20E-06	1.32E-07	1.80E-07	3.11E-07	1.15E-07	1.11E-07	2.25E-07
1366	567132.71	4216732.85	1.13E-06	1.12E-06	2.25E-06	9.79E-07	9.95E-07	1.97E-06	1.18E-07	1.61E-07	2.80E-07	1.03E-07	9.93E-08	2.02E-07
1367	567146.69	4216737.24	1.18E-06	1.18E-06	2.36E-06	1.03E-06	1.04E-06	2.07E-06	1.24E-07	1.69E-07	2.93E-07	1.08E-07	1.04E-07	2.12E-07
1368	567145.8	4216726.96	1.07E-06	1.06E-06	2.13E-06	9.25E-07	9.41E-07	1.87E-06	1.12E-07	1.52E-07	2.64E-07	9.74E-08	9.39E-08	1.91E-07
1369	567089.85	4216711.86	9.13E-07	9.10E-07	1.82E-06	7.92E-07	8.05E-07	1.60E-06	9.58E-08	1.31E-07	2.26E-07	8.34E-08	8.04E-08	1.64E-07
1370	567105.19	4216704.2	8.57E-07	8.54E-07	1.71E-06	7.43E-07	7.56E-07	1.50E-06	8.99E-08	1.22E-07	2.12E-07	7.83E-08	7.54E-08	1.54E-07
1371	567089.85	4216701.86	8.38E-07	8.35E-07	1.67E-06	7.27E-07	7.39E-07	1.47E-06	8.78E-08	1.20E-07	2.08E-07	7.65E-08	7.37E-08	1.50E-07
1372	567105.03	4216694.15	7.88E-07	7.85E-07	1.57E-06	6.84E-07	6.95E-07	1.38E-06	8.26E-08	1.13E-07	1.95E-07	7.20E-08	6.94E-08	1.41E-07
1373	567119.59	4216698.72	8.22E-07	8.19E-07	1.64E-06	7.13E-07	7.25E-07	1.44E-06	8.62E-08	1.17E-07	2.04E-07	7.50E-08	7.23E-08	1.47E-07
1374	567134.15	4216703.3	8.58E-07	8.56E-07	1.71E-06	7.45E-07	7.57E-07	1.50E-06	9.00E-08	1.23E-07	2.13E-07	7.84E-08	7.56E-08	1.54E-07
1375	567089.85	4216691.86	7.71E-07	7.69E-07	1.54E-06	6.69E-07	6.81E-07	1.35E-06	8.09E-08	1.10E-07	1.91E-07	7.05E-08	6.79E-08	1.38E-07
1376	567104.9	4216684.11	7.28E-07	7.26E-07	1.45E-06	6.32E-07	6.42E-07	1.27E-06	7.64E-08	1.04E-07	1.80E-07	6.65E-08	6.41E-08	1.31E-07
1377	567119.2	4216688.6	7.57E-07	7.55E-07	1.51E-06	6.57E-07	6.68E-07	1.32E-06	7.94E-08	1.08E-07	1.88E-07	6.92E-08	6.66E-08	1.36E-07
1378	567133.5	4216693.09	7.89E-07	7.86E-07	1.57E-06	6.84E-07	6.96E-07	1.38E-06	8.27E-08	1.13E-07	1.95E-07	7.20E-08	6.94E-08	1.41E-07
1379	567147.8	4216697.59	8.21E-07	8.19E-07	1.64E-06	7.13E-07	7.25E-07	1.44E-06	8.62E-08	1.17E-07	2.04E-07	7.50E-08	7.23E-08	1.47E-07
1380	567089.85	4216681.86	7.13E-07	7.11E-07	1.42E-06	6.19E-07	6.29E-07	1.25E-06	7.48E-08	1.02E-07	1.77E-07	6.51E-08	6.28E-08	1.28E-07
1381	567104.79	4216674.07	6.75E-07	6.73E-07	1.35E-06	5.86E-07	5.96E-07	1.18E-06	7.08E-08	9.65E-08	1.67E-07	6.17E-08	5.95E-08	1.21E-07
1382	567118.87	4216678.5	7.01E-07	6.99E-07	1.40E-06	6.08E-07	6.18E-07	1.23E-06	7.35E-08	1.00E-07	1.74E-07	6.40E-08	6.17E-08	1.26E-07
1383	567132.95	4216682.92	7.28E-07	7.26E-07	1.45E-06	6.31E-07	6.42E-07	1.27E-06	7.63E-08	1.04E-07	1.80E-07	6.65E-08	6.41E-08	1.31E-07
1384	567147.03	4216687.35	7.56E-07	7.54E-07	1.51E-06	6.56E-07	6.67E-07	1.32E-06	7.93E-08	1.08E-07	1.87E-07	6.91E-08	6.66E-08	1.36E-07
1385	567161.11	4216691.77	7.84E-07	7.82E-07	1.57E-06	6.80E-07	6.92E-07	1.37E-06	8.23E-08	1.12E-07	1.94E-07	7.16E-08	6.90E-08	1.41E-07
1386	567089.85	4216671.86	6.62E-07	6.60E-07	1.32E-06	5.74E-07	5.84E-07	1.16E-06	6.94E-08	9.46E-08	1.64E-07	6.05E-08	5.83E-08	1.19E-07
1387	567105.23	4216664.21	6.30E-07	6.28E-07	1.26E-06	5.46E-07	5.55E-07	1.10E-06	6.60E-08	9.00E-08	1.56E-07	5.75E-08	5.54E-08	1.13E-07
1388	567120.19	4216668.91	6.54E-07	6.52E-07	1.31E-06	5.67E-07	5.77E-07	1.14E-06	6.86E-08	9.35E-08	1.62E-07	5.97E-08	5.76E-08	1.17E-07
1389	567135.15	4216673.61	6.79E-07	6.77E-07	1.36E-06	5.89E-07	5.99E-07	1.19E-06	7.12E-08	9.71E-08	1.68E-07	6.20E-08	5.98E-08	1.22E-07
1390	567150.11	4216678.31	7.06E-07	7.03E-07	1.41E-06	6.12E-07	6.22E-07	1.23E-06	7.40E-08	1.01E-07	1.75E-07	6.44E-08	6.21E-08	1.27E-07
1391	567165.07	4216683.02	7.32E-07	7.30E-07	1.46E-06	6.35E-07	6.46E-07	1.28E-06	7.68E-08	1.05E-07	1.81E-07	6.69E-08	6.44E-08	1.31E-07
1392	567180.03	4216687.72	7.59E-07	7.56E-07	1.51E-06	6.58E-07	6.69E-07	1.33E-06	7.96E-08	1.08E-07	1.88E-07	6.93E-08	6.68E-08	1.36E-07
1393	567089.85	4216661.86	6.17E-07	6.15E-07	1.23E-06	5.35E-07	5.44E-07	1.08E-06	6.47E-08	8.81E-08	1.53E-07	5.63E-08	5.43E-08	1.11E-07
1394	567105.1	4216654.17	5.88E-07	5.86E-07	1.17E-06	5.10E-07	5.18E-07	1.03E-06	6.16E-08	8.40E-08	1.46E-07	5.37E-08	5.17E-08	1.05E-07
1395	567119.81	4216658.79	6.09E-07	6.07E-07	1.22E-06	5.28E-07	5.37E-07	1.07E-06	6.39E-08	8.70E-08	1.51E-07	5.56E-08	5.36E-08	1.09E-07
1396	567134.52	4216663.42	6.31E-07	6.29E-07	1.26E-06	5.48E-07	5.57E-07	1.10E-06	6.62E-08	9.02E-08	1.56E-07	5.76E-08	5.56E-08	1.13E-07
1397	567149.23	4216668.04	6.54E-07	6.52E-07	1.31E-06	5.68E-07	5.77E-07	1.14E-06	6.86E-08	9.35E-08	1.62E-07	5.97E-08	5.76E-08	1.17E-07
1398	567163.94	4216672.66	6.77E-07	6.75E-07	1.35E-06	5.88E-07	5.98E-07	1.19E-06	7.11E-08	9.68E-08	1.68E-07	6.19E-08	5.96E-08	1.22E-07
1399	567178.65	4216677.28	7.01E-07	6.99E-07	1.40E-06	6.08E-07	6.18E-07	1.23E-06	7.35E-08	1.00E-07	1.74E-07	6.40E-08	6.17E-08	1.26E-07
1400	567089.85	4216651.86	5.76E-07	5.75E-07	1.15E-06	5.00E-07	5.08E-07	1.01E-06	6.04E-08	8.24E-08	1.43E-07	5.26E-08	5.07E-08	1.03E-07
1401	567105	4216644.14	5.50E-07	5.48E-07	1.10E-06	4.77E-07	4.85E-07	9.62E-07	5.77E-08	7.86E-08	1.36E-07	5.02E-08	4.84E-08	9.86E-08
1402	567119.49	4216648.69	5.69E-07	5.67E-07	1.14E-06	4.93E-07	5.02E-07	9.95E-07	5.96E-08	8.13E-08	1.41E-07	5.19E-08	5.01E-08	1.02E-07
1403	567133.98	4216653.24	5.88E-07	5.86E-07	1.17E-06	5.10E-07	5.19E-07	1.03E-06	6.17E-08	8.41E-08	1.46E-07	5.37E-08	5.18E-08	1.06E-07
1404	567148.47	4216657.8	6.09E-07	6.07E-07	1.22E-06	5.28E-07	5.37E-07	1.07E-06	6.38E-08	8.70E-08	1.51E-07	5.56E-08	5.36E-08	1.09E-07
1405	567162.96	4216662.35	6.29E-07	6.27E-07	1.26E-06	5.46E-07	5.55E-07	1.10E-06	6.60E-08	9.00E-08	1.56E-07	5.75E-08	5.54E-08	1.13E-07
1406	567177.45	4216666.91	6.50E-07	6.48E-07	1.30E-06	5.64E-07	5.73E-07	1.14E-06	6.82E-08	9.29E-08	1.61E-07	5.94E-08	5.72E-08	1.17E-07
1407	567191.94	4216671.46	6.71E-07	6.69E-07	1.34E-06	5.82E-07	5.92E-07	1.17E-06	7.04E-08	9.59E-08	1.66E-07	6.13E-08	5.90E-08	1.20E-07
1408	567089.85	4216641.86	5.40E-07	5.39E-07	1.08E-06	4.69E-07	4.77E-07	9.45E-07	5.67E-08	7.72E-08	1.34E-07	4.93E-08	4.76E-08	9.69E-08
1409	567104.9	4216634.11	5.16E-07	5.15E-07	1.03E-06	4.48E-07	4.55E-07	9.03E-07	5.41E-08	7.38E-08	1.28E-07	4.72E-08	4.54E-08	9.26E-08
1410	567119.2	4216638.6	5.33E-07	5.31E-07	1.06E-06	4.62E-07	4.70E-07	9.32E-07	5.59E-08	7.61E-08	1.32E-07	4.87E-08	4.69E-08	9.55E-08
1411	567133.5	4216643.09	5.50E-07	5.48E-07	1.10E-06	4.77E-07	4.85E-07	9.63E-07	5.77E-08	7.86E-08	1.36E-07	5.03E-08	4.84E-08	9.87E-08
1412	567147.8	4216647.59	5.68E-07	5.67E-07	1.14E-06	4.93E-07	5.01E-07	9.95E-07	5.96E-08	8.13E-08	1.41E-07	5.19E-08	5.00E-08	1.02E-07
1413	567162.1	4216652.08	5.87E-07	5.85E-07	1.17E-06	5.09E-07	5.18E-07	1.03E-06	6.16E-08	8.39E-08	1.46E-07	5.36E-08	5.17E-08	1.05E-07
1414	567176.4	4216656.58	6.06E-07	6.04E-07	1.21E-06	5.25E-07	5.34E-07	1.06E-06	6.35E-08	8.66E-08	1.50E-07	5.53E-08	5.33E-08	1.09E-07
1415	567190.7	4216661.07	6.24E-07	6.22E-07	1.25E-06	5.41E-07	5.50E-07	1.09E-06	6.54E-08	8.92E-08	1.55E-07	5.70E-08	5.49E-08	1.12E-07
1416	567089.85	4216631.86	5.08E-07	5.06E-07	1.01E-06	4.40E-07	4.48E-07	8.88E-07	5.32E-08	7.25E-08	1.26E-07	4.64E-08	4.47E-08	9.10E-08

1417	567105.26	4216624.22	4.86E-07	4.85E-07	9.71E-07	4.22E-07	4.29E-07	8.51E-07	5.10E-08	6.95E-08	1.21E-07	4.44E-08	4.28E-08	8.72E-08
1418	567120.27	4216628.94	5.02E-07	5.01E-07	1.00E-06	4.36E-07	4.43E-07	8.79E-07	5.27E-08	7.18E-08	1.24E-07	4.59E-08	4.42E-08	9.01E-08
1419	567135.29	4216633.66	5.19E-07	5.17E-07	1.04E-06	4.50E-07	4.58E-07	9.07E-07	5.44E-08	7.41E-08	1.29E-07	4.74E-08	4.57E-08	9.30E-08
1420	567150.3	4216638.38	5.36E-07	5.34E-07	1.07E-06	4.65E-07	4.73E-07	9.38E-07	5.62E-08	7.66E-08	1.33E-07	4.90E-08	4.72E-08	9.62E-08
1421	567165.32	4216643.09	5.54E-07	5.53E-07	1.11E-06	4.81E-07	4.89E-07	9.70E-07	5.81E-08	7.92E-08	1.37E-07	5.06E-08	4.88E-08	9.94E-08
1422	567180.34	4216647.81	5.72E-07	5.70E-07	1.14E-06	4.96E-07	5.04E-07	1.00E-06	6.00E-08	8.17E-08	1.42E-07	5.22E-08	5.03E-08	1.03E-07
1423	567089.85	4216621.86	4.78E-07	4.76E-07	9.54E-07	4.15E-07	4.21E-07	8.36E-07	5.01E-08	6.83E-08	1.18E-07	4.36E-08	4.21E-08	8.57E-08
1424	567105.15	4216614.19	4.59E-07	4.57E-07	9.16E-07	3.98E-07	4.05E-07	8.03E-07	4.81E-08	6.56E-08	1.14E-07	4.19E-08	4.04E-08	8.23E-08
1425	567119.96	4216618.84	4.73E-07	4.72E-07	9.45E-07	4.11E-07	4.18E-07	8.28E-07	4.96E-08	6.77E-08	1.17E-07	4.32E-08	4.17E-08	8.49E-08
1426	567134.76	4216623.49	4.88E-07	4.86E-07	9.75E-07	4.23E-07	4.30E-07	8.54E-07	5.12E-08	6.98E-08	1.21E-07	4.46E-08	4.30E-08	8.75E-08
1427	567149.57	4216628.14	5.03E-07	5.02E-07	1.01E-06	4.37E-07	4.44E-07	8.81E-07	5.28E-08	7.20E-08	1.25E-07	4.60E-08	4.43E-08	9.03E-08
1428	567164.37	4216632.8	5.20E-07	5.18E-07	1.04E-06	4.51E-07	4.58E-07	9.09E-07	5.45E-08	7.43E-08	1.29E-07	4.75E-08	4.57E-08	9.32E-08
1429	567179.18	4216637.45	5.36E-07	5.34E-07	1.07E-06	4.65E-07	4.72E-07	9.37E-07	5.62E-08	7.66E-08	1.33E-07	4.89E-08	4.71E-08	9.61E-08
1430	567208.79	4216646.75	5.65E-07	5.64E-07	1.13E-06	4.90E-07	4.99E-07	9.89E-07	5.93E-08	8.08E-08	1.40E-07	5.16E-08	4.98E-08	1.01E-07
1431	567119.68	4216608.75	4.47E-07	4.46E-07	8.93E-07	3.88E-07	3.94E-07	7.82E-07	4.69E-08	6.39E-08	1.11E-07	4.08E-08	3.93E-08	8.02E-08
1432	567134.3	4216613.34	4.60E-07	4.59E-07	9.19E-07	3.99E-07	4.06E-07	8.05E-07	4.83E-08	6.58E-08	1.14E-07	4.20E-08	4.05E-08	8.26E-08
1433	567148.91	4216617.94	4.74E-07	4.73E-07	9.47E-07	4.11E-07	4.18E-07	8.30E-07	4.97E-08	6.78E-08	1.18E-07	4.33E-08	4.17E-08	8.50E-08
1434	567163.53	4216622.53	4.88E-07	4.87E-07	9.75E-07	4.24E-07	4.31E-07	8.55E-07	5.12E-08	6.98E-08	1.21E-07	4.46E-08	4.30E-08	8.76E-08
1435	567178.15	4216627.13	5.03E-07	5.01E-07	1.00E-06	4.36E-07	4.43E-07	8.80E-07	5.27E-08	7.19E-08	1.25E-07	4.59E-08	4.43E-08	9.02E-08
1436	567207.39	4216636.31	5.30E-07	5.28E-07	1.06E-06	4.60E-07	4.67E-07	9.27E-07	5.56E-08	7.57E-08	1.31E-07	4.84E-08	4.66E-08	9.50E-08
1437	567104.98	4216594.13	4.11E-07	4.09E-07	8.20E-07	3.56E-07	3.62E-07	7.19E-07	4.31E-08	5.87E-08	1.02E-07	3.75E-08	3.62E-08	7.37E-08
1438	567148.33	4216607.75	4.48E-07	4.46E-07	8.94E-07	3.88E-07	3.95E-07	7.83E-07	4.69E-08	6.40E-08	1.11E-07	4.09E-08	3.94E-08	8.03E-08
1439	567162.78	4216612.3	4.60E-07	4.59E-07	9.19E-07	3.99E-07	4.06E-07	8.05E-07	4.83E-08	6.58E-08	1.14E-07	4.20E-08	4.05E-08	8.26E-08
1440	567177.23	4216616.84	4.73E-07	4.72E-07	9.45E-07	4.10E-07	4.17E-07	8.28E-07	4.96E-08	6.76E-08	1.17E-07	4.32E-08	4.16E-08	8.48E-08
1441	567206.13	4216625.92	4.97E-07	4.96E-07	9.93E-07	4.32E-07	4.39E-07	8.70E-07	5.22E-08	7.11E-08	1.23E-07	4.54E-08	4.38E-08	8.92E-08
1442	567220.58	4216630.46	5.10E-07	5.08E-07	1.02E-06	4.42E-07	4.49E-07	8.92E-07	5.34E-08	7.28E-08	1.26E-07	4.65E-08	4.49E-08	9.14E-08
1443	567089.85	4216591.86	4.04E-07	4.03E-07	8.07E-07	3.51E-07	3.56E-07	7.07E-07	4.24E-08	5.78E-08	1.00E-07	3.69E-08	3.56E-08	7.25E-08
1444	567105.28	4216584.23	3.90E-07	3.89E-07	7.79E-07	3.38E-07	3.44E-07	6.82E-07	4.09E-08	5.57E-08	9.66E-08	3.56E-08	3.43E-08	6.99E-08
1445	567120.33	4216588.96	4.01E-07	4.00E-07	8.02E-07	3.48E-07	3.54E-07	7.03E-07	4.21E-08	5.74E-08	9.95E-08	3.67E-08	3.53E-08	7.20E-08
1446	567165.49	4216603.15	4.37E-07	4.36E-07	8.74E-07	3.80E-07	3.86E-07	7.66E-07	4.59E-08	6.25E-08	1.08E-07	4.00E-08	3.85E-08	7.85E-08
1447	567195.6	4216612.61	4.61E-07	4.60E-07	9.21E-07	4.00E-07	4.07E-07	8.07E-07	4.84E-08	6.59E-08	1.14E-07	4.21E-08	4.06E-08	8.27E-08
1448	567210.65	4216617.34	4.73E-07	4.71E-07	9.44E-07	4.10E-07	4.17E-07	8.27E-07	4.96E-08	6.76E-08	1.17E-07	4.32E-08	4.16E-08	8.48E-08
1449	567225.7	4216622.07	4.84E-07	4.83E-07	9.67E-07	4.20E-07	4.27E-07	8.47E-07	5.08E-08	6.92E-08	1.20E-07	4.42E-08	4.26E-08	8.69E-08
1450	567089.85	4216581.86	3.84E-07	3.83E-07	7.66E-07	3.33E-07	3.38E-07	6.71E-07	4.02E-08	5.48E-08	9.51E-08	3.50E-08	3.38E-08	6.88E-08
1451	567105.19	4216574.2	3.71E-07	3.69E-07	7.40E-07	3.21E-07	3.27E-07	6.48E-07	3.89E-08	5.30E-08	9.18E-08	3.38E-08	3.26E-08	6.65E-08
1452	567120.06	4216578.87	3.81E-07	3.80E-07	7.61E-07	3.31E-07	3.36E-07	6.67E-07	4.00E-08	5.45E-08	9.44E-08	3.48E-08	3.35E-08	6.83E-08
1453	567134.93	4216583.54	3.92E-07	3.91E-07	7.83E-07	3.40E-07	3.46E-07	6.86E-07	4.11E-08	5.61E-08	9.72E-08	3.58E-08	3.45E-08	7.03E-08
1454	567194.42	4216602.24	4.35E-07	4.34E-07	8.70E-07	3.78E-07	3.84E-07	7.62E-07	4.57E-08	6.22E-08	1.08E-07	3.98E-08	3.83E-08	7.81E-08
1455	567209.29	4216606.91	4.46E-07	4.44E-07	8.90E-07	3.87E-07	3.93E-07	7.80E-07	4.68E-08	6.37E-08	1.11E-07	4.07E-08	3.92E-08	8.00E-08
1456	567224.17	4216611.59	4.56E-07	4.55E-07	9.11E-07	3.96E-07	4.03E-07	7.99E-07	4.79E-08	6.52E-08	1.13E-07	4.17E-08	4.02E-08	8.19E-08
1457	567089.85	4216571.86	3.65E-07	3.64E-07	7.29E-07	3.17E-07	3.22E-07	6.38E-07	3.83E-08	5.22E-08	9.04E-08	3.33E-08	3.21E-08	6.54E-08
1458	567105.1	4216564.17	3.53E-07	3.52E-07	7.04E-07	3.06E-07	3.11E-07	6.17E-07	3.70E-08	5.04E-08	8.74E-08	3.22E-08	3.11E-08	6.33E-08
1459	567119.81	4216568.79	3.62E-07	3.61E-07	7.24E-07	3.14E-07	3.20E-07	6.34E-07	3.80E-08	5.18E-08	8.98E-08	3.31E-08	3.19E-08	6.50E-08
1460	567134.52	4216573.42	3.73E-07	3.71E-07	7.44E-07	3.23E-07	3.29E-07	6.52E-07	3.91E-08	5.33E-08	9.23E-08	3.40E-08	3.28E-08	6.68E-08
1461	567149.23	4216578.04	3.83E-07	3.82E-07	7.65E-07	3.32E-07	3.38E-07	6.70E-07	4.02E-08	5.47E-08	9.49E-08	3.50E-08	3.37E-08	6.87E-08
1462	567193.36	4216591.91	4.12E-07	4.11E-07	8.23E-07	3.58E-07	3.64E-07	7.21E-07	4.32E-08	5.89E-08	1.02E-07	3.77E-08	3.63E-08	7.40E-08
1463	567208.07	4216596.53	4.22E-07	4.20E-07	8.42E-07	3.66E-07	3.72E-07	7.38E-07	4.42E-08	6.03E-08	1.05E-07	3.85E-08	3.71E-08	7.56E-08
1464	567222.78	4216601.15	4.31E-07	4.30E-07	8.61E-07	3.74E-07	3.80E-07	7.54E-07	4.52E-08	6.16E-08	1.07E-07	3.94E-08	3.80E-08	7.73E-08
1465	567237.49	4216605.77	4.40E-07	4.39E-07	8.79E-07	3.82E-07	3.88E-07	7.70E-07	4.62E-08	6.29E-08	1.09E-07	4.02E-08	3.88E-08	7.90E-08
1466	567089.85	4216561.86	3.47E-07	3.46E-07	6.94E-07	3.01E-07	3.06E-07	6.08E-07	3.64E-08	4.97E-08	8.61E-08	3.17E-08	3.06E-08	6.23E-08
1467	567105.03	4216554.15	3.36E-07	3.35E-07	6.72E-07	2.92E-07	2.97E-07	5.89E-07	3.53E-08	4.81E-08	8.34E-08	3.07E-08	2.96E-08	6.03E-08
1468	567119.59	4216558.72	3.45E-07	3.44E-07	6.89E-07	3.00E-07	3.05E-07	6.04E-07	3.62E-08	4.94E-08	8.56E-08	3.15E-08	3.04E-08	6.19E-08
1469	567134.15	4216563.3	3.54E-07	3.53E-07	7.08E-07	3.08E-07	3.13E-07	6.20E-07	3.72E-08	5.07E-08	8.79E-08	3.24E-08	3.12E-08	6.36E-08
1470	567148.71	4216567.87	3.64E-07	3.63E-07	7.27E-07	3.16E-07	3.21E-07	6.37E-07	3.82E-08	5.20E-08	9.02E-08	3.32E-08	3.20E-08	6.53E-08
1471	567163.27	4216572.45	3.73E-07	3.72E-07	7.45E-07	3.24E-07	3.29E-07	6.53E-07	3.91E-08	5.33E-08	9.25E-08	3.41E-08	3.28E-08	6.69E-08
1472	567206.95	4216586.18	4.00E-07	3.98E-07	7.98E-07	3.47E-07	3.53E-07	6.99E-07	4.19E-08	5.71E-08	9.91E-08	3.65E-08	3.52E-08	7.17E-08
1473	567221.51	4216590.75	4.08E-07	4.07E-07	8.15E-07	3.54E-07	3.60E-07	7.14E-07	4.28E-08	5.84E-08	1.01E-07	3.73E-08	3.59E-08	7.32E-08
1474	567236.07	4216595.33	4.17E-07	4.15E-07	8.32E-07	3.61E-07	3.67E-07	7.29E-07	4.37E-08	5.95E-08	1.03E-07	3.80E-08	3.67E-08	7.47E-08
1475	567089.85	4216551.86	3.31E-07	3.30E-07	6.61E-07	2.87E-07	2.92E-07	5.79E-07	3.47E-08	4.73E-08	8.21E-08	3.03E-08	2.92E-08	5.94E-08
1476	567104.96	4216544.13	3.21E-07	3.20E-07	6.41E-07	2.79E-07	2.83E-07	5.62E-07	3.37E-08	4.59E-08	7.96E-08	2.93E-08	2.83E-08	5.76E-08
1477	567119.39	4216548.66	3.29E-07	3.28E-07	6.58E-07	2.86E-07	2.91E-07	5.77E-07	3.46E-08	4.71E-08	8.17E-08	3.01E-08	2.90E-08	5.91E-08
1478	567133.81	4216553.19	3.38E-07	3.37E-07	6.75E-07	2.93E-07	2.98E-07	5.91E-07	3.54E-08	4.83E-08	8.37E-08	3.09E-08	2.97E-08	6.06E-08
1479	567148.24	4216557.73	3.46E-07	3.45E-07	6.92E-07	3.00E-07	3.06E-07	6.06E-07	3.63E-08	4.95E-08	8.58E-08	3.16E-08	3.05E-08	6.21E-08
1480	567162.66	4216562.26	3.55E-07	3.54E-07	7.09E-07	3.08E-07	3.13E-07	6.21E-07	3.72E-08	5.07E-08	8.79E-08	3.24E-08	3.12E-08	6.37E-08
1481	567177.09	4216566.79	3.63E-07	3.62E-07	7.26E-07	3.15E-07	3.21E-07	6.36E-07	3.81E-08	5.19E-08	9.00E-08	3.32E-08	3.20E-08	6.52E-08
1482	567205.94	4216575.86	3.80E-07	3.78E-07	7.58E-07	3.29E-07	3.35E-07	6.64E-07	3.98E-08	5.43E-08	9.41E-08	3.47E-08	3.34E-08	6.81E-08
1483	567220.36	4216580.39	3.87E-07	3.86E-07	7.73E-07	3.36E-07	3.42E-07	6.78E-07	4.06E-08	5.54E-08	9.60E-08	3.54E-08	3.41E-08	6.95E-08
1484	567234.79	4216584.92	3.95E-07	3.94E-07	7.88E-07	3.43E-07	3.48E-07	6.91E-07	4.14E-08	5.64E-08	9.78E-08	3.61E-08	3.48E-08	7.08E-08
1485	567249.21	4216589.46	4.02E-07	4.01E-07	8.03E-07	3.49E-07	3.55E-07	7.04E-07	4.22E-08	5.75E-08	9.97E-08	3.67E-08	3.54E-08	7.22E-08
1486	567089.85	4216541.86	3.16E-07	3.15E-07	6.32E-07	2.74E-07	2.79E-07	5.53E-07	3.32E-08	4.52E-08	7.84E-08	2.89E-08	2.78E-08	5.67E-08
1487	567105.21	4216534.2	3.07E-07	3.06E-07	6.13E-07	2.66E-07	2.71E-07	5.37E-07	3.22E-08	4.39E-08	7.61E-08	2.81E-08	2.70E-08	5.51E-08

1488	567120.13	4216538.89	3.15E-07	3.14E-07	6.29E-07	2.73E-07	2.78E-07	5.51E-07	3.31E-08	4.51E-08	7.81E-08	2.88E-08	2.77E-08	5.65E-08
1489	567135.06	4216543.58	3.23E-07	3.22E-07	6.45E-07	2.80E-07	2.85E-07	5.66E-07	3.39E-08	4.62E-08	8.01E-08	2.95E-08	2.85E-08	5.80E-08
1490	567149.98	4216548.27	3.31E-07	3.30E-07	6.62E-07	2.87E-07	2.92E-07	5.80E-07	3.48E-08	4.74E-08	8.21E-08	3.03E-08	2.92E-08	5.94E-08
1491	567164.9	4216552.96	3.40E-07	3.38E-07	6.78E-07	2.95E-07	3.00E-07	5.94E-07	3.56E-08	4.85E-08	8.41E-08	3.10E-08	2.99E-08	6.09E-08
1492	567179.82	4216557.65	3.48E-07	3.47E-07	6.94E-07	3.02E-07	3.07E-07	6.08E-07	3.65E-08	4.97E-08	8.62E-08	3.18E-08	3.06E-08	6.24E-08
1493	567194.74	4216562.34	3.56E-07	3.55E-07	7.11E-07	3.09E-07	3.14E-07	6.23E-07	3.73E-08	5.09E-08	8.82E-08	3.25E-08	3.13E-08	6.38E-08
1494	567209.67	4216567.03	3.64E-07	3.62E-07	7.26E-07	3.15E-07	3.21E-07	6.36E-07	3.81E-08	5.20E-08	9.01E-08	3.32E-08	3.20E-08	6.52E-08
1495	567224.59	4216571.72	3.71E-07	3.70E-07	7.40E-07	3.22E-07	3.27E-07	6.49E-07	3.89E-08	5.30E-08	9.19E-08	3.39E-08	3.26E-08	6.65E-08
1496	567239.51	4216576.41	3.78E-07	3.77E-07	7.54E-07	3.28E-07	3.33E-07	6.61E-07	3.96E-08	5.40E-08	9.36E-08	3.45E-08	3.33E-08	6.78E-08
1497	567254.43	4216581.1	3.85E-07	3.84E-07	7.69E-07	3.34E-07	3.40E-07	6.73E-07	4.04E-08	5.50E-08	9.54E-08	3.52E-08	3.39E-08	6.90E-08
1498	567089.85	4216531.86	3.03E-07	3.02E-07	6.04E-07	2.62E-07	2.67E-07	5.29E-07	3.17E-08	4.32E-08	7.50E-08	2.76E-08	2.66E-08	5.43E-08
1499	567105.14	4216524.18	2.94E-07	2.93E-07	5.87E-07	2.55E-07	2.59E-07	5.14E-07	3.08E-08	4.20E-08	7.28E-08	2.68E-08	2.59E-08	5.27E-08
1500	567119.92	4216528.83	3.01E-07	3.00E-07	6.02E-07	2.61E-07	2.66E-07	5.27E-07	3.16E-08	4.31E-08	7.47E-08	2.75E-08	2.65E-08	5.41E-08
1501	567134.69	4216533.47	3.09E-07	3.08E-07	6.17E-07	2.68E-07	2.73E-07	5.41E-07	3.24E-08	4.42E-08	7.66E-08	2.82E-08	2.72E-08	5.54E-08
1502	567149.47	4216538.11	3.16E-07	3.16E-07	6.32E-07	2.75E-07	2.79E-07	5.54E-07	3.32E-08	4.52E-08	7.84E-08	2.89E-08	2.79E-08	5.68E-08
1503	567164.25	4216542.76	3.24E-07	3.23E-07	6.47E-07	2.81E-07	2.86E-07	5.67E-07	3.40E-08	4.63E-08	8.03E-08	2.96E-08	2.85E-08	5.81E-08
1504	567179.02	4216547.4	3.31E-07	3.30E-07	6.62E-07	2.88E-07	2.92E-07	5.80E-07	3.48E-08	4.74E-08	8.21E-08	3.03E-08	2.92E-08	5.94E-08
1505	567193.8	4216552.04	3.39E-07	3.38E-07	6.77E-07	2.94E-07	2.99E-07	5.93E-07	3.56E-08	4.85E-08	8.40E-08	3.10E-08	2.98E-08	6.08E-08
1506	567208.58	4216556.69	3.46E-07	3.45E-07	6.91E-07	3.00E-07	3.05E-07	6.06E-07	3.63E-08	4.95E-08	8.58E-08	3.16E-08	3.05E-08	6.21E-08
1507	567223.36	4216561.33	3.53E-07	3.52E-07	7.05E-07	3.06E-07	3.11E-07	6.18E-07	3.70E-08	5.04E-08	8.75E-08	3.22E-08	3.11E-08	6.33E-08
1508	567238.13	4216565.98	3.59E-07	3.58E-07	7.18E-07	3.12E-07	3.17E-07	6.29E-07	3.77E-08	5.14E-08	8.91E-08	3.28E-08	3.16E-08	6.45E-08
1509	567252.91	4216570.62	3.66E-07	3.65E-07	7.31E-07	3.18E-07	3.23E-07	6.40E-07	3.84E-08	5.23E-08	9.07E-08	3.34E-08	3.22E-08	6.56E-08
1510	567089.85	4216521.86	2.90E-07	2.89E-07	5.79E-07	2.51E-07	2.56E-07	5.07E-07	3.04E-08	4.14E-08	7.18E-08	2.65E-08	2.55E-08	5.20E-08
1511	567073.65	4216820.13	4.20E-06	4.19E-06	8.40E-06	3.65E-06	3.71E-06	7.36E-06	4.41E-07	6.01E-07	1.04E-06	3.84E-07	3.70E-07	7.54E-07
1512	567067.94	4216828.01	5.03E-06	5.01E-06	1.00E-05	4.36E-06	4.44E-06	8.80E-06	5.27E-07	7.19E-07	1.25E-06	4.59E-07	4.43E-07	9.02E-07
1513	567062.23	4216835.9	5.95E-06	5.93E-06	1.19E-05	5.16E-06	5.25E-06	1.04E-05	6.24E-07	8.50E-07	1.47E-06	5.43E-07	5.23E-07	1.07E-06
1514	567056.52	4216843.78	6.87E-06	6.85E-06	1.37E-05	5.96E-06	6.06E-06	1.20E-05	7.20E-07	9.82E-07	1.70E-06	6.27E-07	6.05E-07	1.23E-06
1515	567050.8	4216851.67	7.69E-06	7.66E-06	1.54E-05	6.67E-06	6.78E-06	1.35E-05	8.06E-07	1.10E-06	1.91E-06	7.02E-07	6.77E-07	1.38E-06
1516	567045.09	4216859.55	8.38E-06	8.36E-06	1.67E-05	7.27E-06	7.40E-06	1.47E-05	8.79E-07	1.20E-06	2.08E-06	7.66E-07	7.38E-07	1.50E-06
1517	567039.38	4216867.44	8.98E-06	8.95E-06	1.79E-05	7.79E-06	7.92E-06	1.57E-05	9.42E-07	1.28E-06	2.23E-06	8.20E-07	7.90E-07	1.61E-06
1518	567033.67	4216875.32	9.47E-06	9.44E-06	1.89E-05	8.22E-06	8.36E-06	1.66E-05	9.94E-07	1.35E-06	2.35E-06	8.65E-07	8.34E-07	1.70E-06
1519	567027.96	4216883.21	9.92E-06	9.89E-06	1.98E-05	8.61E-06	8.75E-06	1.74E-05	1.04E-06	1.42E-06	2.46E-06	9.06E-07	8.73E-07	1.78E-06
1520	567022.24	4216891.09	1.03E-05	1.03E-05	2.06E-05	8.94E-06	9.09E-06	1.80E-05	1.08E-06	1.47E-06	2.55E-06	9.41E-07	9.07E-07	1.85E-06
1521	567016.53	4216898.98	1.06E-05	1.06E-05	2.12E-05	9.20E-06	9.36E-06	1.86E-05	1.11E-06	1.52E-06	2.63E-06	9.69E-07	9.34E-07	1.90E-06
1522	567010.82	4216906.86	1.08E-05	1.08E-05	2.16E-05	9.37E-06	9.53E-06	1.89E-05	1.13E-06	1.54E-06	2.68E-06	9.86E-07	9.51E-07	1.94E-06
1523	567005.11	4216914.75	1.09E-05	1.08E-05	2.17E-05	9.43E-06	9.59E-06	1.90E-05	1.14E-06	1.55E-06	2.69E-06	9.93E-07	9.57E-07	1.95E-06
1524	566999.39	4216922.63	1.09E-05	1.08E-05	2.17E-05	9.42E-06	9.57E-06	1.90E-05	1.14E-06	1.55E-06	2.69E-06	9.91E-07	9.55E-07	1.95E-06
1525	566993.68	4216930.52	1.07E-05	1.07E-05	2.14E-05	9.31E-06	9.46E-06	1.88E-05	1.13E-06	1.53E-06	2.66E-06	9.80E-07	9.44E-07	1.92E-06
1526	566987.97	4216938.4	1.05E-05	1.05E-05	2.10E-05	9.12E-06	9.28E-06	1.84E-05	1.10E-06	1.50E-06	2.61E-06	9.61E-07	9.26E-07	1.89E-06
1527	566982.26	4216946.29	1.01E-05	1.01E-05	2.03E-05	8.80E-06	8.95E-06	1.77E-05	1.06E-06	1.45E-06	2.51E-06	9.26E-07	8.93E-07	1.82E-06
1528	566976.55	4216954.17	9.57E-06	9.55E-06	1.91E-05	8.31E-06	8.45E-06	1.68E-05	1.00E-06	1.37E-06	2.37E-06	8.75E-07	8.43E-07	1.72E-06
1529	566970.83	4216962.06	8.82E-06	8.80E-06	1.76E-05	7.66E-06	7.78E-06	1.54E-05	9.26E-07	1.26E-06	2.19E-06	8.06E-07	7.77E-07	1.58E-06
1530	567070.88	4216809.7	3.31E-06	3.30E-06	6.60E-06	2.87E-06	2.92E-06	5.78E-06	3.47E-07	4.73E-07	8.19E-07	3.02E-07	2.91E-07	5.93E-07
1531	567059.84	4216822.14	4.20E-06	4.18E-06	8.38E-06	3.64E-06	3.70E-06	7.34E-06	4.40E-07	6.00E-07	1.04E-06	3.83E-07	3.69E-07	7.53E-07
1532	567054.13	4216830.03	4.87E-06	4.85E-06	9.72E-06	4.22E-06	4.29E-06	8.51E-06	5.10E-07	6.95E-07	1.21E-06	4.44E-07	4.28E-07	8.73E-07
1533	567048.42	4216837.91	5.54E-06	5.53E-06	1.11E-05	4.81E-06	4.89E-06	9.70E-06	5.81E-07	7.93E-07	1.37E-06	5.06E-07	4.88E-07	9.94E-07
1534	567042.71	4216845.8	6.19E-06	6.17E-06	1.24E-05	5.37E-06	5.46E-06	1.08E-05	6.49E-07	8.85E-07	1.53E-06	5.66E-07	5.45E-07	1.11E-06
1535	567036.99	4216853.68	6.76E-06	6.74E-06	1.35E-05	5.87E-06	5.97E-06	1.18E-05	7.10E-07	9.67E-07	1.68E-06	6.18E-07	5.95E-07	1.21E-06
1536	567031.28	4216861.57	7.27E-06	7.25E-06	1.45E-05	6.31E-06	6.42E-06	1.27E-05	7.63E-07	1.04E-06	1.80E-06	6.64E-07	6.40E-07	1.30E-06
1537	567025.57	4216869.45	7.71E-06	7.69E-06	1.54E-05	6.69E-06	6.80E-06	1.35E-05	8.09E-07	1.10E-06	1.91E-06	7.04E-07	6.79E-07	1.38E-06
1538	567019.86	4216877.34	8.10E-06	8.08E-06	1.62E-05	7.03E-06	7.15E-06	1.42E-05	8.50E-07	1.16E-06	2.01E-06	7.40E-07	7.13E-07	1.45E-06
1539	567014.15	4216885.22	8.45E-06	8.42E-06	1.69E-05	7.33E-06	7.46E-06	1.48E-05	8.86E-07	1.21E-06	2.09E-06	7.72E-07	7.44E-07	1.52E-06
1540	567008.43	4216893.11	8.72E-06	8.70E-06	1.74E-05	7.57E-06	7.69E-06	1.53E-05	9.15E-07	1.25E-06	2.16E-06	7.97E-07	7.68E-07	1.56E-06
1541	567002.72	4216900.99	8.91E-06	8.88E-06	1.78E-05	7.73E-06	7.86E-06	1.56E-05	9.35E-07	1.27E-06	2.21E-06	8.14E-07	7.84E-07	1.60E-06
1542	566997.01	4216908.88	9.01E-06	8.98E-06	1.80E-05	7.82E-06	7.95E-06	1.58E-05	9.45E-07	1.29E-06	2.23E-06	8.23E-07	7.93E-07	1.62E-06
1543	566991.3	4216916.76	9.04E-06	9.01E-06	1.81E-05	7.84E-06	7.97E-06	1.58E-05	9.48E-07	1.29E-06	2.24E-06	8.26E-07	7.96E-07	1.62E-06
1544	566985.58	4216924.65	9.00E-06	8.97E-06	1.80E-05	7.81E-06	7.94E-06	1.57E-05	9.44E-07	1.29E-06	2.23E-06	8.22E-07	7.92E-07	1.61E-06
1545	566979.87	4216932.53	8.85E-06	8.83E-06	1.77E-05	7.68E-06	7.81E-06	1.55E-05	9.29E-07	1.27E-06	2.19E-06	8.09E-07	7.79E-07	1.59E-06
1546	566974.16	4216940.42	8.59E-06	8.57E-06	1.72E-05	7.46E-06	7.58E-06	1.50E-05	9.01E-07	1.23E-06	2.13E-06	7.85E-07	7.56E-07	1.54E-06
1547	566968.45	4216948.3	8.20E-06	8.18E-06	1.64E-05	7.12E-06	7.24E-06	1.44E-05	8.61E-07	1.17E-06	2.03E-06	7.49E-07	7.22E-07	1.47E-06
1548	566962.74	4216956.19	7.70E-06	7.68E-06	1.54E-05	6.68E-06	6.79E-06	1.35E-05	8.08E-07	1.10E-06	1.91E-06	7.03E-07	6.78E-07	1.38E-06
1549	567064.56	4216802.31	2.84E-06	2.83E-06	5.67E-06	2.46E-06	2.51E-06	4.97E-06	2.98E-07	4.06E-07	7.04E-07	2.59E-07	2.50E-07	5.09E-07
1550	567057.46	4216808.39	3.14E-06	3.13E-06	6.27E-06	2.73E-06	2.77E-06	5.50E-06	3.30E-07	4.49E-07	7.79E-07	2.87E-07	2.77E-07	5.64E-07
1551	567051.74	4216816.28	3.60E-06	3.58E-06	7.18E-06	3.12E-06	3.17E-06	6.29E-06	3.77E-07	5.14E-07	8.91E-07	3.28E-07	3.16E-07	6.45E-07
1552	567046.03	4216824.16	4.10E-06	4.09E-06	8.19E-06	3.56E-06	3.62E-06	7.18E-06	4.30E-07	5.86E-07	1.02E-06	3.75E-07	3.61E-07	7.36E-07
1553	567040.32	4216832.05	4.62E-06	4.61E-06	9.23E-06	4.01E-06	4.08E-06	8.09E-06	4.85E-07	6.61E-07	1.15E-06	4.22E-07	4.07E-07	8.29E-07
1554	567034.61	4216839.93	5.13E-06	5.12E-06	1.03E-05	4.45E-06	4.53E-06	8.98E-06	5.39E-07	7.34E-07	1.27E-06	4.69E-07	4.52E-07	9.21E-07
1555	567028.9	4216847.82	5.61E-06	5.59E-06	1.12E-05	4.87E-06	4.95E-06	9.82E-06	5.89E-07	8.02E-07	1.39E-06	5.13E-07	4.94E-07	1.01E-06
1556	567023.18	4216855.7	6.04E-06	6.02E-06	1.21E-05	5.24E-06	5.33E-06	1.06E-05	6.34E-07	8.64E-07	1.50E-06	5.52E-07	5.32E-07	1.08E-06
1557	567017.47	4216863.59	6.44E-06	6.42E-06	1.29E-05	5.59E-06	5.68E-06	1.13E-05	6.76E-07	9.21E-07	1.60E-06	5.89E-07	5.67E-07	1.16E-06
1558	567011.76	4216871.47	6.79E-06	6.77E-06	1.36E-05	5.89E-06	5.99E-06	1.19E-05	7.12E-07	9.71E-07	1.68E-06	6.20E-07	5.98E-07	1.22E-06

1559	567006.05	4216879.36	7.09E-06	7.07E-06	1.42E-05	6.15E-06	6.26E-06	1.24E-05	7.44E-07	1.01E-06	1.76E-06	6.48E-07	6.24E-07	1.27E-06
1560	567000.33	4216887.24	7.34E-06	7.31E-06	1.46E-05	6.36E-06	6.47E-06	1.28E-05	7.69E-07	1.05E-06	1.82E-06	6.70E-07	6.46E-07	1.32E-06
1561	566994.62	4216895.13	7.51E-06	7.49E-06	1.50E-05	6.52E-06	6.63E-06	1.31E-05	7.88E-07	1.07E-06	1.86E-06	6.86E-07	6.61E-07	1.35E-06
1562	566988.91	4216903.01	7.64E-06	7.61E-06	1.52E-05	6.63E-06	6.74E-06	1.34E-05	8.01E-07	1.09E-06	1.89E-06	6.98E-07	6.72E-07	1.37E-06
1563	566983.2	4216910.9	7.70E-06	7.67E-06	1.54E-05	6.68E-06	6.79E-06	1.35E-05	8.07E-07	1.10E-06	1.91E-06	7.03E-07	6.78E-07	1.38E-06
1564	566977.49	4216918.78	7.68E-06	7.66E-06	1.53E-05	6.67E-06	6.78E-06	1.34E-05	8.06E-07	1.10E-06	1.90E-06	7.02E-07	6.76E-07	1.38E-06
1565	566971.77	4216926.67	7.59E-06	7.57E-06	1.52E-05	6.59E-06	6.70E-06	1.33E-05	7.96E-07	1.09E-06	1.88E-06	6.93E-07	6.68E-07	1.36E-06
1566	566966.06	4216934.55	7.41E-06	7.39E-06	1.48E-05	6.43E-06	6.54E-06	1.30E-05	7.77E-07	1.06E-06	1.84E-06	6.77E-07	6.52E-07	1.33E-06
1567	566960.35	4216942.44	7.14E-06	7.12E-06	1.43E-05	6.20E-06	6.30E-06	1.25E-05	7.49E-07	1.02E-06	1.77E-06	6.52E-07	6.29E-07	1.28E-06
1568	566954.64	4216950.32	6.79E-06	6.76E-06	1.35E-05	5.89E-06	5.99E-06	1.19E-05	7.12E-07	9.70E-07	1.68E-06	6.20E-07	5.97E-07	1.22E-06
1569	567055.28	4216797.46	2.58E-06	2.57E-06	5.15E-06	2.24E-06	2.28E-06	4.51E-06	2.71E-07	3.69E-07	6.39E-07	2.36E-07	2.27E-07	4.63E-07
1570	567074.7	4216785.5	2.15E-06	2.14E-06	4.29E-06	1.87E-06	1.90E-06	3.76E-06	2.26E-07	3.07E-07	5.33E-07	1.96E-07	1.89E-07	3.86E-07
1571	567043.65	4216810.41	3.14E-06	3.13E-06	6.27E-06	2.73E-06	2.77E-06	5.50E-06	3.30E-07	4.49E-07	7.79E-07	2.87E-07	2.77E-07	5.64E-07
1572	567037.93	4216818.3	3.54E-06	3.53E-06	7.07E-06	3.07E-06	3.12E-06	6.19E-06	3.71E-07	5.06E-07	8.77E-07	3.23E-07	3.12E-07	6.35E-07
1573	567032.22	4216826.18	3.95E-06	3.94E-06	7.89E-06	3.43E-06	3.49E-06	6.92E-06	4.15E-07	5.65E-07	9.80E-07	3.61E-07	3.48E-07	7.09E-07
1574	567026.51	4216834.07	4.36E-06	4.35E-06	8.72E-06	3.79E-06	3.85E-06	7.64E-06	4.58E-07	6.24E-07	1.08E-06	3.99E-07	3.84E-07	7.83E-07
1575	567020.8	4216841.95	4.76E-06	4.75E-06	9.51E-06	4.13E-06	4.20E-06	8.33E-06	4.99E-07	6.81E-07	1.18E-06	4.35E-07	4.19E-07	8.54E-07
1576	567015.09	4216849.84	5.14E-06	5.12E-06	1.03E-05	4.46E-06	4.53E-06	8.99E-06	5.39E-07	7.35E-07	1.27E-06	4.69E-07	4.52E-07	9.22E-07
1577	567009.37	4216857.72	5.48E-06	5.47E-06	1.10E-05	4.76E-06	4.84E-06	9.59E-06	5.75E-07	7.84E-07	1.36E-06	5.01E-07	4.83E-07	9.84E-07
1578	567003.66	4216865.61	5.79E-06	5.77E-06	1.16E-05	5.02E-06	5.11E-06	1.01E-05	6.07E-07	8.28E-07	1.44E-06	5.29E-07	5.10E-07	1.04E-06
1579	566997.95	4216873.49	6.06E-06	6.04E-06	1.21E-05	5.25E-06	5.34E-06	1.06E-05	6.35E-07	8.66E-07	1.50E-06	5.53E-07	5.33E-07	1.09E-06
1580	566992.24	4216881.38	6.28E-06	6.26E-06	1.25E-05	5.45E-06	5.54E-06	1.10E-05	6.58E-07	8.97E-07	1.56E-06	5.73E-07	5.53E-07	1.13E-06
1581	566986.52	4216889.26	6.45E-06	6.43E-06	1.29E-05	5.60E-06	5.69E-06	1.13E-05	6.77E-07	9.22E-07	1.60E-06	5.89E-07	5.68E-07	1.16E-06
1582	566980.81	4216897.15	6.57E-06	6.55E-06	1.31E-05	5.70E-06	5.80E-06	1.15E-05	6.90E-07	9.40E-07	1.63E-06	6.01E-07	5.79E-07	1.18E-06
1583	566975.1	4216905.03	6.64E-06	6.62E-06	1.33E-05	5.76E-06	5.86E-06	1.16E-05	6.97E-07	9.50E-07	1.65E-06	6.07E-07	5.85E-07	1.19E-06
1584	566969.39	4216912.92	6.65E-06	6.63E-06	1.33E-05	5.77E-06	5.87E-06	1.16E-05	6.98E-07	9.51E-07	1.65E-06	6.08E-07	5.86E-07	1.19E-06
1585	566963.68	4216920.8	6.60E-06	6.58E-06	1.32E-05	5.73E-06	5.82E-06	1.15E-05	6.92E-07	9.43E-07	1.64E-06	6.03E-07	5.81E-07	1.18E-06
1586	566957.96	4216928.69	6.48E-06	6.46E-06	1.29E-05	5.62E-06	5.71E-06	1.13E-05	6.79E-07	9.26E-07	1.60E-06	5.92E-07	5.70E-07	1.16E-06
1587	566952.25	4216936.57	6.28E-06	6.27E-06	1.25E-05	5.45E-06	5.54E-06	1.10E-05	6.59E-07	8.98E-07	1.56E-06	5.74E-07	5.53E-07	1.13E-06
1588	566946.54	4216944.46	6.03E-06	6.01E-06	1.20E-05	5.23E-06	5.32E-06	1.05E-05	6.32E-07	8.62E-07	1.49E-06	5.51E-07	5.31E-07	1.08E-06
1589	567048.36	4216790.58	2.29E-06	2.28E-06	4.57E-06	1.99E-06	2.02E-06	4.00E-06	2.40E-07	3.27E-07	5.67E-07	2.09E-07	2.01E-07	4.10E-07
1590	567055.47	4216784.5	2.10E-06	2.10E-06	4.20E-06	1.82E-06	1.85E-06	3.68E-06	2.20E-07	3.00E-07	5.21E-07	1.92E-07	1.85E-07	3.77E-07
1591	567071.67	4216776.23	1.87E-06	1.87E-06	3.74E-06	1.62E-06	1.65E-06	3.27E-06	1.96E-07	2.67E-07	4.64E-07	1.71E-07	1.65E-07	3.36E-07
1592	567041.26	4216796.66	2.49E-06	2.48E-06	4.96E-06	2.16E-06	2.19E-06	4.35E-06	2.61E-07	3.55E-07	6.16E-07	2.27E-07	2.19E-07	4.46E-07
1593	567035.55	4216804.54	2.78E-06	2.77E-06	5.55E-06	2.41E-06	2.45E-06	4.87E-06	2.92E-07	3.98E-07	6.89E-07	2.54E-07	2.45E-07	4.99E-07
1594	567029.84	4216812.43	3.10E-06	3.10E-06	6.20E-06	2.69E-06	2.74E-06	5.43E-06	3.26E-07	4.44E-07	7.69E-07	2.84E-07	2.73E-07	5.57E-07
1595	567024.12	4216820.31	3.44E-06	3.43E-06	6.87E-06	2.99E-06	3.04E-06	6.02E-06	3.61E-07	4.92E-07	8.53E-07	3.14E-07	3.03E-07	6.18E-07
1596	567018.41	4216828.2	3.78E-06	3.77E-06	7.55E-06	3.28E-06	3.33E-06	6.61E-06	3.96E-07	5.40E-07	9.37E-07	3.45E-07	3.33E-07	6.78E-07
1597	567012.7	4216836.08	4.11E-06	4.10E-06	8.21E-06	3.57E-06	3.63E-06	7.20E-06	4.31E-07	5.88E-07	1.02E-06	3.76E-07	3.62E-07	7.38E-07
1598	567006.99	4216843.97	4.44E-06	4.42E-06	8.86E-06	3.85E-06	3.91E-06	7.76E-06	4.65E-07	6.34E-07	1.10E-06	4.05E-07	3.90E-07	7.96E-07
1599	567001.27	4216851.85	4.73E-06	4.72E-06	9.45E-06	4.11E-06	4.18E-06	8.28E-06	4.97E-07	6.77E-07	1.17E-06	4.32E-07	4.17E-07	8.49E-07
1600	566995.56	4216859.74	5.00E-06	4.99E-06	9.99E-06	4.34E-06	4.41E-06	8.76E-06	5.25E-07	7.15E-07	1.24E-06	4.57E-07	4.41E-07	8.98E-07
1601	566989.85	4216867.62	5.24E-06	5.22E-06	1.05E-05	4.55E-06	4.62E-06	9.17E-06	5.50E-07	7.49E-07	1.30E-06	4.79E-07	4.61E-07	9.40E-07
1602	566984.14	4216875.51	5.44E-06	5.43E-06	1.09E-05	4.72E-06	4.80E-06	9.52E-06	5.71E-07	7.78E-07	1.35E-06	4.97E-07	4.79E-07	9.76E-07
1603	566978.43	4216883.39	5.60E-06	5.59E-06	1.12E-05	4.86E-06	4.94E-06	9.81E-06	5.88E-07	8.01E-07	1.39E-06	5.12E-07	4.93E-07	1.01E-06
1604	566972.71	4216891.28	5.72E-06	5.71E-06	1.14E-05	4.97E-06	5.05E-06	1.00E-05	6.00E-07	8.18E-07	1.42E-06	5.23E-07	5.04E-07	1.03E-06
1605	566967	4216899.16	5.80E-06	5.78E-06	1.16E-05	5.03E-06	5.11E-06	1.01E-05	6.08E-07	8.29E-07	1.44E-06	5.30E-07	5.10E-07	1.04E-06
1606	566961.29	4216907.05	5.82E-06	5.81E-06	1.16E-05	5.05E-06	5.14E-06	1.02E-05	6.11E-07	8.32E-07	1.44E-06	5.32E-07	5.13E-07	1.04E-06
1607	566955.58	4216914.93	5.80E-06	5.78E-06	1.16E-05	5.03E-06	5.11E-06	1.01E-05	6.08E-07	8.29E-07	1.44E-06	5.29E-07	5.10E-07	1.04E-06
1608	566949.86	4216922.82	5.71E-06	5.70E-06	1.14E-05	4.96E-06	5.04E-06	1.00E-05	5.99E-07	8.17E-07	1.42E-06	5.22E-07	5.03E-07	1.03E-06
1609	566944.15	4216930.7	5.58E-06	5.56E-06	1.11E-05	4.84E-06	4.92E-06	9.76E-06	5.85E-07	7.98E-07	1.38E-06	5.10E-07	4.91E-07	1.00E-06
1610	566938.44	4216938.59	5.39E-06	5.38E-06	1.08E-05	4.68E-06	4.76E-06	9.44E-06	5.66E-07	7.71E-07	1.34E-06	4.93E-07	4.75E-07	9.68E-07
1611	567039.38	4216785.47	2.10E-06	2.09E-06	4.19E-06	1.82E-06	1.85E-06	3.67E-06	2.20E-07	3.00E-07	5.19E-07	1.91E-07	1.84E-07	3.76E-07
1612	567051.81	4216774.83	1.82E-06	1.82E-06	3.64E-06	1.58E-06	1.61E-06	3.19E-06	1.91E-07	2.61E-07	4.52E-07	1.67E-07	1.61E-07	3.27E-07
1613	567065.98	4216767.6	1.66E-06	1.66E-06	3.32E-06	1.44E-06	1.47E-06	2.91E-06	1.74E-07	2.37E-07	4.12E-07	1.52E-07	1.46E-07	2.98E-07
1614	567027.45	4216798.68	2.49E-06	2.48E-06	4.97E-06	2.16E-06	2.19E-06	4.35E-06	2.61E-07	3.56E-07	6.17E-07	2.27E-07	2.19E-07	4.46E-07
1615	567021.74	4216806.56	2.76E-06	2.75E-06	5.50E-06	2.39E-06	2.43E-06	4.82E-06	2.89E-07	3.94E-07	6.83E-07	2.52E-07	2.43E-07	4.94E-07
1616	567016.03	4216814.45	3.03E-06	3.03E-06	6.06E-06	2.63E-06	2.68E-06	5.31E-06	3.18E-07	4.34E-07	7.52E-07	2.77E-07	2.67E-07	5.44E-07
1617	567010.31	4216822.33	3.32E-06	3.31E-06	6.62E-06	2.88E-06	2.92E-06	5.80E-06	3.48E-07	4.74E-07	8.22E-07	3.03E-07	2.92E-07	5.95E-07
1618	567004.6	4216830.22	3.60E-06	3.59E-06	7.18E-06	3.12E-06	3.17E-06	6.29E-06	3.77E-07	5.14E-07	8.92E-07	3.29E-07	3.17E-07	6.45E-07
1619	566998.89	4216838.1	3.87E-06	3.86E-06	7.73E-06	3.36E-06	3.42E-06	6.78E-06	4.06E-07	5.54E-07	9.60E-07	3.54E-07	3.41E-07	6.95E-07
1620	566993.18	4216845.99	4.14E-06	4.13E-06	8.26E-06	3.59E-06	3.65E-06	7.24E-06	4.34E-07	5.92E-07	1.03E-06	3.78E-07	3.64E-07	7.42E-07
1621	566987.46	4216853.87	4.37E-06	4.36E-06	8.74E-06	3.80E-06	3.86E-06	7.65E-06	4.59E-07	6.25E-07	1.08E-06	4.00E-07	3.85E-07	7.85E-07
1622	566981.75	4216861.76	4.59E-06	4.57E-06	9.16E-06	3.98E-06	4.04E-06	8.02E-06	4.81E-07	6.55E-07	1.14E-06	4.19E-07	4.04E-07	8.22E-07
1623	566976.04	4216869.64	4.77E-06	4.75E-06	9.52E-06	4.14E-06	4.20E-06	8.34E-06	5.00E-07	6.81E-07	1.18E-06	4.35E-07	4.20E-07	8.55E-07
1624	566970.33	4216877.53	4.92E-06	4.90E-06	9.82E-06	4.27E-06	4.34E-06	8.60E-06	5.16E-07	7.03E-07	1.22E-06	4.49E-07	4.33E-07	8.82E-07
1625	566964.62	4216885.41	5.03E-06	5.01E-06	1.00E-05	4.36E-06	4.44E-06	8.80E-06	5.28E-07	7.19E-07	1.25E-06	4.60E-07	4.43E-07	9.02E-07
1626	566958.9	4216893.3	5.11E-06	5.09E-06	1.02E-05	4.43E-06	4.50E-06	8.94E-06	5.36E-07	7.30E-07	1.27E-06	4.66E-07	4.50E-07	9.16E-07
1627	566953.19	4216901.18	5.14E-06	5.13E-06	1.03E-05	4.46E-06	4.54E-06	9.00E-06	5.39E-07	7.35E-07	1.27E-06	4.70E-07	4.53E-07	9.22E-07
1628	566947.48	4216909.07	5.14E-06	5.12E-06	1.03E-05	4.46E-06	4.53E-06	8.99E-06	5.39E-07	7.34E-07	1.27E-06	4.69E-07	4.52E-07	9.21E-07
1629	566941.77	4216916.95	5.08E-06	5.07E-06	1.02E-05	4.41E-06	4.49E-06	8.90E-06	5.33E-07	7.27E-07	1.26E-06	4.64E-07	4.48E-07	9.12E-07

1630	566936.05	4216924.84	4.99E-06	4.97E-06	9.96E-06	4.33E-06	4.40E-06	8.73E-06	5.23E-07	7.13E-07	1.24E-06	4.56E-07	4.39E-07	8.95E-07
1631	566930.34	4216932.72	4.85E-06	4.84E-06	9.69E-06	4.21E-06	4.28E-06	8.49E-06	5.09E-07	6.94E-07	1.20E-06	4.43E-07	4.27E-07	8.71E-07
1632	567032.17	4216778.85	1.89E-06	1.89E-06	3.78E-06	1.64E-06	1.67E-06	3.31E-06	1.99E-07	2.71E-07	4.69E-07	1.73E-07	1.67E-07	3.40E-07
1633	567039.27	4216772.77	1.76E-06	1.75E-06	3.51E-06	1.53E-06	1.55E-06	3.08E-06	1.84E-07	2.51E-07	4.36E-07	1.61E-07	1.55E-07	3.15E-07
1634	567046.38	4216766.68	1.63E-06	1.63E-06	3.26E-06	1.42E-06	1.44E-06	2.86E-06	1.71E-07	2.33E-07	4.04E-07	1.49E-07	1.44E-07	2.93E-07
1635	567062.57	4216758.42	1.48E-06	1.47E-06	2.95E-06	1.28E-06	1.30E-06	2.59E-06	1.55E-07	2.11E-07	3.66E-07	1.35E-07	1.30E-07	2.65E-07
1636	567025.06	4216784.93	2.04E-06	2.03E-06	4.06E-06	1.77E-06	1.80E-06	3.56E-06	2.13E-07	2.91E-07	5.04E-07	1.86E-07	1.79E-07	3.65E-07
1637	567019.35	4216792.81	2.25E-06	2.24E-06	4.48E-06	1.95E-06	1.98E-06	3.93E-06	2.35E-07	3.21E-07	5.56E-07	2.05E-07	1.98E-07	4.03E-07
1638	567013.64	4216800.7	2.47E-06	2.46E-06	4.93E-06	2.14E-06	2.18E-06	4.32E-06	2.59E-07	3.53E-07	6.12E-07	2.26E-07	2.17E-07	4.43E-07
1639	567007.93	4216808.58	2.70E-06	2.69E-06	5.40E-06	2.35E-06	2.38E-06	4.73E-06	2.84E-07	3.86E-07	6.70E-07	2.47E-07	2.38E-07	4.85E-07
1640	567002.22	4216816.47	2.94E-06	2.93E-06	5.87E-06	2.55E-06	2.59E-06	5.15E-06	3.08E-07	4.20E-07	7.29E-07	2.69E-07	2.59E-07	5.27E-07
1641	566996.5	4216824.35	3.18E-06	3.17E-06	6.35E-06	2.76E-06	2.81E-06	5.56E-06	3.34E-07	4.55E-07	7.88E-07	2.90E-07	2.80E-07	5.70E-07
1642	566990.79	4216832.24	3.42E-06	3.41E-06	6.83E-06	2.97E-06	3.02E-06	5.98E-06	3.59E-07	4.89E-07	8.47E-07	3.12E-07	3.01E-07	6.13E-07
1643	566985.08	4216840.12	3.65E-06	3.64E-06	7.29E-06	3.17E-06	3.22E-06	6.38E-06	3.83E-07	5.22E-07	9.04E-07	3.33E-07	3.21E-07	6.54E-07
1644	566979.37	4216848.01	3.86E-06	3.85E-06	7.71E-06	3.35E-06	3.41E-06	6.76E-06	4.05E-07	5.52E-07	9.57E-07	3.53E-07	3.40E-07	6.93E-07
1645	566973.65	4216855.89	4.05E-06	4.04E-06	8.08E-06	3.51E-06	3.57E-06	7.08E-06	4.25E-07	5.79E-07	1.00E-06	3.70E-07	3.56E-07	7.26E-07
1646	566967.94	4216863.78	4.21E-06	4.20E-06	8.41E-06	3.65E-06	3.72E-06	7.37E-06	4.42E-07	6.02E-07	1.04E-06	3.85E-07	3.71E-07	7.56E-07
1647	566962.23	4216871.66	4.35E-06	4.34E-06	8.69E-06	3.77E-06	3.84E-06	7.61E-06	4.56E-07	6.22E-07	1.08E-06	3.97E-07	3.83E-07	7.80E-07
1648	566956.52	4216879.55	4.46E-06	4.44E-06	8.90E-06	3.87E-06	3.93E-06	7.80E-06	4.68E-07	6.37E-07	1.10E-06	4.07E-07	3.92E-07	8.00E-07
1649	566950.81	4216887.43	4.53E-06	4.52E-06	9.05E-06	3.93E-06	4.00E-06	7.93E-06	4.76E-07	6.48E-07	1.12E-06	4.14E-07	3.99E-07	8.13E-07
1650	566945.09	4216895.32	4.58E-06	4.56E-06	9.14E-06	3.97E-06	4.04E-06	8.01E-06	4.80E-07	6.54E-07	1.13E-06	4.18E-07	4.03E-07	8.21E-07
1651	566939.38	4216903.2	4.58E-06	4.57E-06	9.15E-06	3.98E-06	4.04E-06	8.02E-06	4.81E-07	6.55E-07	1.14E-06	4.19E-07	4.03E-07	8.22E-07
1652	566933.67	4216911.09	4.55E-06	4.54E-06	9.09E-06	3.95E-06	4.02E-06	7.97E-06	4.78E-07	6.51E-07	1.13E-06	4.16E-07	4.01E-07	8.17E-07
1653	566927.96	4216918.97	4.49E-06	4.48E-06	8.97E-06	3.90E-06	3.96E-06	7.86E-06	4.71E-07	6.42E-07	1.11E-06	4.10E-07	3.95E-07	8.05E-07
1654	566922.24	4216926.86	4.39E-06	4.38E-06	8.77E-06	3.81E-06	3.87E-06	7.68E-06	4.60E-07	6.28E-07	1.09E-06	4.01E-07	3.86E-07	7.87E-07
1655	567023.36	4216773.59	1.75E-06	1.74E-06	3.49E-06	1.52E-06	1.54E-06	3.06E-06	1.84E-07	2.50E-07	4.34E-07	1.60E-07	1.54E-07	3.14E-07
1656	567036.15	4216762.64	1.54E-06	1.54E-06	3.08E-06	1.34E-06	1.36E-06	2.70E-06	1.62E-07	2.21E-07	3.83E-07	1.41E-07	1.36E-07	2.77E-07
1657	567057.12	4216749.73	1.33E-06	1.33E-06	2.66E-06	1.16E-06	1.18E-06	2.33E-06	1.40E-07	1.91E-07	3.31E-07	1.22E-07	1.17E-07	2.39E-07
1658	567011.25	4216786.94	2.04E-06	2.04E-06	4.08E-06	1.77E-06	1.80E-06	3.58E-06	2.14E-07	2.92E-07	5.06E-07	1.87E-07	1.80E-07	3.67E-07
1659	567005.54	4216794.83	2.23E-06	2.23E-06	4.46E-06	1.94E-06	1.97E-06	3.91E-06	2.34E-07	3.19E-07	5.54E-07	2.04E-07	1.97E-07	4.01E-07
1660	566999.83	4216802.71	2.43E-06	2.43E-06	4.86E-06	2.11E-06	2.15E-06	4.26E-06	2.55E-07	3.48E-07	6.03E-07	2.22E-07	2.14E-07	4.36E-07
1661	566994.12	4216810.6	2.63E-06	2.63E-06	5.26E-06	2.29E-06	2.32E-06	4.61E-06	2.76E-07	3.77E-07	6.53E-07	2.41E-07	2.32E-07	4.73E-07
1662	566988.4	4216818.48	2.84E-06	2.83E-06	5.67E-06	2.46E-06	2.51E-06	4.97E-06	2.98E-07	4.06E-07	7.04E-07	2.59E-07	2.50E-07	5.09E-07
1663	566982.69	4216826.37	3.05E-06	3.04E-06	6.08E-06	2.64E-06	2.69E-06	5.33E-06	3.20E-07	4.36E-07	7.55E-07	2.78E-07	2.68E-07	5.47E-07
1664	566976.98	4216834.25	3.25E-06	3.24E-06	6.48E-06	2.82E-06	2.86E-06	5.68E-06	3.41E-07	4.64E-07	8.05E-07	2.97E-07	2.86E-07	5.82E-07
1665	566971.27	4216842.14	3.44E-06	3.42E-06	6.86E-06	2.98E-06	3.03E-06	6.01E-06	3.60E-07	4.91E-07	8.51E-07	3.14E-07	3.02E-07	6.16E-07
1666	566965.56	4216850.02	3.60E-06	3.59E-06	7.20E-06	3.13E-06	3.18E-06	6.31E-06	3.78E-07	5.15E-07	8.93E-07	3.29E-07	3.17E-07	6.47E-07
1667	566959.84	4216857.91	3.75E-06	3.74E-06	7.49E-06	3.25E-06	3.31E-06	6.56E-06	3.93E-07	5.36E-07	9.30E-07	3.43E-07	3.30E-07	6.73E-07
1668	566954.13	4216865.79	3.88E-06	3.86E-06	7.74E-06	3.36E-06	3.42E-06	6.78E-06	4.07E-07	5.54E-07	9.61E-07	3.54E-07	3.41E-07	6.95E-07
1669	566948.42	4216873.68	3.98E-06	3.97E-06	7.94E-06	3.45E-06	3.51E-06	6.96E-06	4.17E-07	5.69E-07	9.86E-07	3.63E-07	3.50E-07	7.14E-07
1670	566942.71	4216881.56	4.05E-06	4.04E-06	8.09E-06	3.52E-06	3.57E-06	7.09E-06	4.25E-07	5.79E-07	1.00E-06	3.70E-07	3.57E-07	7.27E-07
1671	566936.99	4216889.45	4.10E-06	4.09E-06	8.18E-06	3.56E-06	3.62E-06	7.17E-06	4.30E-07	5.86E-07	1.02E-06	3.74E-07	3.61E-07	7.35E-07
1672	566931.28	4216897.33	4.12E-06	4.10E-06	8.22E-06	3.57E-06	3.63E-06	7.20E-06	4.32E-07	5.88E-07	1.02E-06	3.76E-07	3.62E-07	7.38E-07
1673	566925.57	4216905.22	4.10E-06	4.09E-06	8.19E-06	3.56E-06	3.62E-06	7.18E-06	4.30E-07	5.87E-07	1.02E-06	3.75E-07	3.61E-07	7.36E-07
1674	566919.86	4216913.1	4.06E-06	4.05E-06	8.11E-06	3.52E-06	3.58E-06	7.10E-06	4.26E-07	5.80E-07	1.01E-06	3.71E-07	3.57E-07	7.28E-07
1675	566914.15	4216920.99	3.99E-06	3.98E-06	7.97E-06	3.46E-06	3.52E-06	6.98E-06	4.18E-07	5.70E-07	9.89E-07	3.64E-07	3.51E-07	7.15E-07
1676	567015.97	4216767.11	1.61E-06	1.60E-06	3.21E-06	1.39E-06	1.42E-06	2.81E-06	1.68E-07	2.30E-07	3.98E-07	1.47E-07	1.41E-07	2.88E-07
1677	567023.08	4216761.03	1.50E-06	1.50E-06	3.00E-06	1.30E-06	1.32E-06	2.63E-06	1.58E-07	2.15E-07	3.72E-07	1.37E-07	1.32E-07	2.69E-07
1678	567030.18	4216754.95	1.41E-06	1.40E-06	2.81E-06	1.22E-06	1.24E-06	2.46E-06	1.47E-07	2.01E-07	3.48E-07	1.28E-07	1.24E-07	2.52E-07
1679	567008.87	4216773.19	1.72E-06	1.71E-06	3.43E-06	1.49E-06	1.51E-06	3.00E-06	1.80E-07	2.45E-07	4.25E-07	1.57E-07	1.51E-07	3.08E-07
1680	567003.16	4216781.08	1.87E-06	1.87E-06	3.74E-06	1.62E-06	1.65E-06	3.28E-06	1.96E-07	2.68E-07	4.64E-07	1.71E-07	1.65E-07	3.36E-07
1681	566997.44	4216788.96	2.04E-06	2.03E-06	4.07E-06	1.77E-06	1.80E-06	3.57E-06	2.14E-07	2.91E-07	5.05E-07	1.86E-07	1.79E-07	3.66E-07
1682	566991.73	4216796.85	2.21E-06	2.20E-06	4.41E-06	1.92E-06	1.95E-06	3.86E-06	2.32E-07	3.16E-07	5.47E-07	2.02E-07	1.94E-07	3.96E-07
1683	566986.02	4216804.73	2.38E-06	2.38E-06	4.76E-06	2.07E-06	2.10E-06	4.17E-06	2.50E-07	3.41E-07	5.91E-07	2.18E-07	2.10E-07	4.28E-07
1684	566980.31	4216812.62	2.56E-06	2.55E-06	5.11E-06	2.22E-06	2.26E-06	4.48E-06	2.69E-07	3.66E-07	6.35E-07	2.34E-07	2.25E-07	4.59E-07
1685	566974.59	4216820.5	2.74E-06	2.73E-06	5.47E-06	2.38E-06	2.42E-06	4.79E-06	2.87E-07	3.91E-07	6.79E-07	2.50E-07	2.41E-07	4.91E-07
1686	566968.88	4216828.39	2.91E-06	2.90E-06	5.82E-06	2.53E-06	2.57E-06	5.10E-06	3.05E-07	4.16E-07	7.22E-07	2.66E-07	2.56E-07	5.22E-07
1687	566963.17	4216836.27	3.08E-06	3.07E-06	6.15E-06	2.67E-06	2.72E-06	5.39E-06	3.23E-07	4.40E-07	7.63E-07	2.81E-07	2.71E-07	5.52E-07
1688	566957.46	4216844.16	3.23E-06	3.22E-06	6.45E-06	2.80E-06	2.85E-06	5.65E-06	3.39E-07	4.62E-07	8.01E-07	2.95E-07	2.84E-07	5.80E-07
1689	566951.75	4216852.04	3.36E-06	3.35E-06	6.72E-06	2.92E-06	2.97E-06	5.89E-06	3.53E-07	4.81E-07	8.34E-07	3.07E-07	2.96E-07	6.04E-07
1690	566946.03	4216859.93	3.48E-06	3.47E-06	6.95E-06	3.02E-06	3.07E-06	6.09E-06	3.65E-07	4.97E-07	8.62E-07	3.18E-07	3.06E-07	6.24E-07
1691	566940.32	4216867.81	3.57E-06	3.56E-06	7.13E-06	3.10E-06	3.15E-06	6.25E-06	3.75E-07	5.11E-07	8.85E-07	3.26E-07	3.14E-07	6.41E-07
1692	566934.61	4216875.7	3.64E-06	3.63E-06	7.28E-06	3.16E-06	3.22E-06	6.38E-06	3.82E-07	5.21E-07	9.03E-07	3.33E-07	3.21E-07	6.54E-07
1693	566928.9	4216883.58	3.69E-06	3.68E-06	7.37E-06	3.20E-06	3.26E-06	6.46E-06	3.87E-07	5.28E-07	9.15E-07	3.37E-07	3.25E-07	6.62E-07
1694	566923.18	4216891.47	3.72E-06	3.71E-06	7.42E-06	3.23E-06	3.28E-06	6.50E-06	3.90E-07	5.31E-07	9.21E-07	3.40E-07	3.27E-07	6.67E-07
1695	566917.47	4216899.35	3.72E-06	3.70E-06	7.42E-06	3.22E-06	3.28E-06	6.50E-06	3.90E-07	5.31E-07	9.21E-07	3.39E-07	3.27E-07	6.67E-07
1696	566911.76	4216907.24	3.69E-06	3.68E-06	7.37E-06	3.20E-06	3.25E-06	6.46E-06	3.87E-07	5.27E-07	9.14E-07	3.37E-07	3.25E-07	6.62E-07
1697	566906.05	4216915.12	3.64E-06	3.63E-06	7.27E-06	3.16E-06	3.21E-06	6.37E-06	3.82E-07	5.20E-07	9.02E-07	3.32E-07	3.20E-07	6.53E-07
1698	567007.28	4216761.75	1.50E-06	1.49E-06	2.99E-06	1.30E-06	1.32E-06	2.62E-06	1.57E-07	2.14E-07	3.72E-07	1.37E-07	1.32E-07	2.69E-07
1699	566995.06	4216775.21	1.72E-06	1.72E-06	3.44E-06	1.50E-06	1.52E-06	3.02E-06	1.81E-07	2.46E-07	4.27E-07	1.57E-07	1.52E-07	3.09E-07
1700	566989.34	4216783.1	1.87E-06	1.86E-06	3.73E-06	1.62E-06	1.65E-06	3.27E-06	1.96E-07	2.67E-07	4.63E-07	1.71E-07	1.65E-07	3.35E-07

1701	566983.63	4216790.98	2.02E-06	2.01E-06	4.03E-06	1.75E-06	1.78E-06	3.53E-06	2.12E-07	2.89E-07	5.01E-07	1.84E-07	1.78E-07	3.62E-07
1702	566977.92	4216798.87	2.17E-06	2.17E-06	4.34E-06	1.88E-06	1.92E-06	3.80E-06	2.28E-07	3.11E-07	5.38E-07	1.98E-07	1.91E-07	3.90E-07
1703	566972.21	4216806.75	2.33E-06	2.32E-06	4.65E-06	2.02E-06	2.05E-06	4.07E-06	2.44E-07	3.33E-07	5.77E-07	2.13E-07	2.05E-07	4.17E-07
1704	566966.5	4216814.64	2.48E-06	2.47E-06	4.95E-06	2.15E-06	2.19E-06	4.34E-06	2.60E-07	3.54E-07	6.14E-07	2.26E-07	2.18E-07	4.45E-07
1705	566960.78	4216822.52	2.63E-06	2.62E-06	5.25E-06	2.28E-06	2.32E-06	4.60E-06	2.76E-07	3.76E-07	6.52E-07	2.40E-07	2.32E-07	4.72E-07
1706	566955.07	4216830.41	2.78E-06	2.77E-06	5.54E-06	2.41E-06	2.45E-06	4.86E-06	2.91E-07	3.97E-07	6.88E-07	2.54E-07	2.44E-07	4.98E-07
1707	566949.36	4216838.29	2.91E-06	2.90E-06	5.82E-06	2.53E-06	2.57E-06	5.10E-06	3.05E-07	4.16E-07	7.22E-07	2.66E-07	2.56E-07	5.22E-07
1708	566943.65	4216846.18	3.04E-06	3.03E-06	6.06E-06	2.63E-06	2.68E-06	5.31E-06	3.18E-07	4.34E-07	7.53E-07	2.77E-07	2.67E-07	5.45E-07
1709	566937.93	4216854.06	3.14E-06	3.13E-06	6.27E-06	2.72E-06	2.77E-06	5.49E-06	3.29E-07	4.49E-07	7.78E-07	2.87E-07	2.76E-07	5.63E-07
1710	566932.22	4216861.95	3.23E-06	3.22E-06	6.44E-06	2.80E-06	2.85E-06	5.65E-06	3.38E-07	4.61E-07	8.00E-07	2.95E-07	2.84E-07	5.79E-07
1711	566926.51	4216869.83	3.30E-06	3.28E-06	6.58E-06	2.86E-06	2.91E-06	5.77E-06	3.46E-07	4.71E-07	8.17E-07	3.01E-07	2.90E-07	5.91E-07
1712	566920.8	4216877.72	3.35E-06	3.34E-06	6.68E-06	2.90E-06	2.95E-06	5.85E-06	3.51E-07	4.78E-07	8.29E-07	3.06E-07	2.94E-07	6.00E-07
1713	566915.09	4216885.6	3.37E-06	3.36E-06	6.74E-06	2.93E-06	2.98E-06	5.90E-06	3.54E-07	4.82E-07	8.36E-07	3.08E-07	2.97E-07	6.05E-07
1714	566909.37	4216893.49	3.38E-06	3.37E-06	6.75E-06	2.93E-06	2.98E-06	5.92E-06	3.55E-07	4.83E-07	8.38E-07	3.09E-07	2.98E-07	6.06E-07
1715	566903.66	4216901.37	3.37E-06	3.36E-06	6.72E-06	2.92E-06	2.97E-06	5.89E-06	3.53E-07	4.81E-07	8.34E-07	3.08E-07	2.96E-07	6.04E-07
1716	566897.95	4216909.26	3.33E-06	3.32E-06	6.65E-06	2.89E-06	2.94E-06	5.83E-06	3.49E-07	4.76E-07	8.26E-07	3.04E-07	2.93E-07	5.98E-07
1717	567044.39	4216722.79	1.01E-06	1.01E-06	2.02E-06	8.78E-07	8.92E-07	1.77E-06	1.06E-07	1.45E-07	2.51E-07	9.24E-08	8.90E-08	1.81E-07
1718	567053.48	4216720.6	9.91E-07	9.88E-07	1.98E-06	8.59E-07	8.74E-07	1.73E-06	1.04E-07	1.42E-07	2.46E-07	9.05E-08	8.72E-08	1.78E-07
1719	567062.57	4216718.42	9.69E-07	9.66E-07	1.94E-06	8.41E-07	8.55E-07	1.70E-06	1.02E-07	1.39E-07	2.40E-07	8.85E-08	8.53E-08	1.74E-07
1720	567071.67	4216716.23	9.49E-07	9.46E-07	1.89E-06	8.23E-07	8.37E-07	1.66E-06	9.95E-08	1.36E-07	2.35E-07	8.67E-08	8.35E-08	1.70E-07
1721	567080.76	4216714.05	9.30E-07	9.27E-07	1.86E-06	8.07E-07	8.20E-07	1.63E-06	9.76E-08	1.33E-07	2.30E-07	8.50E-08	8.19E-08	1.67E-07
1722	566986.96	4216769.34	1.59E-06	1.59E-06	3.18E-06	1.38E-06	1.41E-06	2.79E-06	1.67E-07	2.28E-07	3.95E-07	1.46E-07	1.40E-07	2.86E-07
1723	566981.25	4216777.23	1.72E-06	1.72E-06	3.44E-06	1.49E-06	1.52E-06	3.01E-06	1.81E-07	2.46E-07	4.27E-07	1.57E-07	1.52E-07	3.09E-07
1724	566975.53	4216785.11	1.86E-06	1.85E-06	3.71E-06	1.61E-06	1.64E-06	3.25E-06	1.95E-07	2.65E-07	4.60E-07	1.70E-07	1.63E-07	3.33E-07
1725	566969.82	4216793	1.99E-06	1.98E-06	3.97E-06	1.73E-06	1.76E-06	3.48E-06	2.09E-07	2.85E-07	4.93E-07	1.82E-07	1.75E-07	3.57E-07
1726	566964.11	4216800.88	2.13E-06	2.12E-06	4.24E-06	1.84E-06	1.88E-06	3.72E-06	2.23E-07	3.04E-07	5.27E-07	1.94E-07	1.87E-07	3.81E-07
1727	566958.4	4216808.77	2.26E-06	2.25E-06	4.51E-06	1.96E-06	1.99E-06	3.95E-06	2.37E-07	3.23E-07	5.60E-07	2.06E-07	1.99E-07	4.05E-07
1728	566952.69	4216816.65	2.39E-06	2.38E-06	4.77E-06	2.07E-06	2.11E-06	4.18E-06	2.51E-07	3.42E-07	5.92E-07	2.18E-07	2.10E-07	4.29E-07
1729	566946.97	4216824.54	2.52E-06	2.51E-06	5.03E-06	2.19E-06	2.22E-06	4.41E-06	2.64E-07	3.60E-07	6.25E-07	2.30E-07	2.22E-07	4.52E-07
1730	566941.26	4216832.42	2.64E-06	2.63E-06	5.27E-06	2.29E-06	2.33E-06	4.62E-06	2.77E-07	3.78E-07	6.55E-07	2.41E-07	2.32E-07	4.74E-07
1731	566935.55	4216840.31	2.75E-06	2.74E-06	5.50E-06	2.39E-06	2.43E-06	4.82E-06	2.89E-07	3.93E-07	6.82E-07	2.51E-07	2.42E-07	4.94E-07
1732	566929.84	4216848.19	2.85E-06	2.84E-06	5.69E-06	2.47E-06	2.51E-06	4.98E-06	2.99E-07	4.07E-07	7.06E-07	2.60E-07	2.51E-07	5.11E-07
1733	566924.12	4216856.08	2.93E-06	2.92E-06	5.85E-06	2.54E-06	2.58E-06	5.12E-06	3.07E-07	4.18E-07	7.25E-07	2.67E-07	2.58E-07	5.25E-07
1734	566918.41	4216863.96	2.99E-06	2.98E-06	5.98E-06	2.60E-06	2.64E-06	5.24E-06	3.14E-07	4.28E-07	7.42E-07	2.73E-07	2.63E-07	5.37E-07
1735	566912.7	4216871.85	3.04E-06	3.03E-06	6.08E-06	2.64E-06	2.68E-06	5.33E-06	3.19E-07	4.35E-07	7.54E-07	2.78E-07	2.68E-07	5.46E-07
1736	566906.99	4216879.73	3.08E-06	3.07E-06	6.14E-06	2.67E-06	2.71E-06	5.38E-06	3.23E-07	4.40E-07	7.62E-07	2.81E-07	2.71E-07	5.52E-07
1737	566901.28	4216887.62	3.09E-06	3.08E-06	6.17E-06	2.68E-06	2.73E-06	5.41E-06	3.24E-07	4.42E-07	7.66E-07	2.82E-07	2.72E-07	5.54E-07
1738	566895.56	4216895.5	3.08E-06	3.07E-06	6.16E-06	2.68E-06	2.72E-06	5.40E-06	3.23E-07	4.41E-07	7.64E-07	2.82E-07	2.71E-07	5.53E-07
1739	566889.85	4216903.39	3.06E-06	3.05E-06	6.11E-06	2.66E-06	2.70E-06	5.36E-06	3.21E-07	4.38E-07	7.59E-07	2.80E-07	2.69E-07	5.49E-07
1740	567004.36	4216738.65	1.17E-06	1.17E-06	2.34E-06	1.02E-06	1.03E-06	2.05E-06	1.23E-07	1.68E-07	2.91E-07	1.07E-07	1.03E-07	2.10E-07
1741	567017.56	4216727.36	1.06E-06	1.05E-06	2.11E-06	9.16E-07	9.31E-07	1.85E-06	1.11E-07	1.51E-07	2.62E-07	9.64E-08	9.29E-08	1.89E-07
1742	567039.19	4216714.04	9.34E-07	9.31E-07	1.86E-06	8.10E-07	8.24E-07	1.63E-06	9.79E-08	1.33E-07	2.31E-07	8.53E-08	8.22E-08	1.68E-07
1743	567056.08	4216709.98	8.99E-07	8.97E-07	1.80E-06	7.80E-07	7.93E-07	1.57E-06	9.43E-08	1.29E-07	2.23E-07	8.22E-08	7.92E-08	1.61E-07
1744	567072.96	4216705.92	8.66E-07	8.64E-07	1.73E-06	7.52E-07	7.64E-07	1.52E-06	9.09E-08	1.24E-07	2.15E-07	7.91E-08	7.63E-08	1.55E-07
1745	566973.15	4216771.36	1.59E-06	1.59E-06	3.18E-06	1.38E-06	1.41E-06	2.79E-06	1.67E-07	2.28E-07	3.95E-07	1.46E-07	1.40E-07	2.86E-07
1746	566967.44	4216779.25	1.71E-06	1.71E-06	3.42E-06	1.49E-06	1.51E-06	3.00E-06	1.80E-07	2.45E-07	4.24E-07	1.56E-07	1.51E-07	3.07E-07
1747	566961.72	4216787.13	1.83E-06	1.83E-06	3.66E-06	1.59E-06	1.62E-06	3.21E-06	1.92E-07	2.62E-07	4.54E-07	1.67E-07	1.61E-07	3.29E-07
1748	566956.01	4216795.02	1.95E-06	1.95E-06	3.90E-06	1.69E-06	1.72E-06	3.42E-06	2.05E-07	2.79E-07	4.84E-07	1.78E-07	1.72E-07	3.50E-07
1749	566950.3	4216802.9	2.07E-06	2.06E-06	4.14E-06	1.80E-06	1.83E-06	3.62E-06	2.17E-07	2.96E-07	5.13E-07	1.89E-07	1.82E-07	3.71E-07
1750	566944.59	4216810.79	2.19E-06	2.18E-06	4.37E-06	1.90E-06	1.93E-06	3.83E-06	2.29E-07	3.13E-07	5.42E-07	2.00E-07	1.93E-07	3.92E-07
1751	566938.87	4216818.67	2.30E-06	2.29E-06	4.59E-06	1.99E-06	2.03E-06	4.02E-06	2.41E-07	3.29E-07	5.70E-07	2.10E-07	2.02E-07	4.12E-07
1752	566933.16	4216826.56	2.41E-06	2.40E-06	4.81E-06	2.09E-06	2.12E-06	4.21E-06	2.53E-07	3.44E-07	5.97E-07	2.20E-07	2.12E-07	4.32E-07
1753	566927.45	4216834.44	2.51E-06	2.50E-06	5.00E-06	2.17E-06	2.21E-06	4.38E-06	2.63E-07	3.58E-07	6.21E-07	2.29E-07	2.21E-07	4.49E-07
1754	566921.74	4216842.33	2.59E-06	2.58E-06	5.18E-06	2.25E-06	2.29E-06	4.54E-06	2.72E-07	3.71E-07	6.43E-07	2.37E-07	2.28E-07	4.65E-07
1755	566916.03	4216850.21	2.67E-06	2.66E-06	5.33E-06	2.31E-06	2.35E-06	4.67E-06	2.80E-07	3.81E-07	6.61E-07	2.44E-07	2.35E-07	4.78E-07
1756	566910.31	4216858.1	2.73E-06	2.72E-06	5.45E-06	2.37E-06	2.41E-06	4.78E-06	2.86E-07	3.90E-07	6.76E-07	2.49E-07	2.40E-07	4.90E-07
1757	566904.6	4216865.98	2.78E-06	2.77E-06	5.55E-06	2.41E-06	2.45E-06	4.86E-06	2.91E-07	3.97E-07	6.89E-07	2.54E-07	2.45E-07	4.98E-07
1758	566898.89	4216873.87	2.82E-06	2.81E-06	5.62E-06	2.44E-06	2.48E-06	4.93E-06	2.95E-07	4.02E-07	6.98E-07	2.57E-07	2.48E-07	5.05E-07
1759	566893.18	4216881.75	2.83E-06	2.82E-06	5.66E-06	2.46E-06	2.50E-06	4.96E-06	2.97E-07	4.05E-07	7.02E-07	2.59E-07	2.49E-07	5.08E-07
1760	566887.46	4216889.64	2.84E-06	2.83E-06	5.66E-06	2.46E-06	2.50E-06	4.96E-06	2.97E-07	4.05E-07	7.03E-07	2.59E-07	2.50E-07	5.09E-07
1761	566881.75	4216897.52	2.82E-06	2.81E-06	5.63E-06	2.45E-06	2.49E-06	4.94E-06	2.96E-07	4.03E-07	6.99E-07	2.58E-07	2.48E-07	5.06E-07
1762	566983.58	4216743.65	1.22E-06	1.22E-06	2.44E-06	1.06E-06	1.08E-06	2.13E-06	1.28E-07	1.74E-07	3.02E-07	1.11E-07	1.07E-07	2.19E-07
1763	566990.68	4216737.57	1.15E-06	1.15E-06	2.30E-06	1.00E-06	1.02E-06	2.02E-06	1.21E-07	1.65E-07	2.86E-07	1.05E-07	1.02E-07	2.07E-07
1764	566997.79	4216731.48	1.09E-06	1.09E-06	2.18E-06	9.47E-07	9.63E-07	1.91E-06	1.15E-07	1.56E-07	2.71E-07	9.97E-08	9.61E-08	1.96E-07
1765	567004.89	4216725.4	1.03E-06	1.03E-06	2.06E-06	8.97E-07	9.12E-07	1.81E-06	1.08E-07	1.48E-07	2.56E-07	9.44E-08	9.10E-08	1.85E-07
1766	567012	4216719.32	9.80E-07	9.76E-07	1.96E-06	8.50E-07	8.64E-07	1.71E-06	1.03E-07	1.40E-07	2.43E-07	8.95E-08	8.62E-08	1.76E-07
1767	567035.3	4216704.98	8.63E-07	8.61E-07	1.72E-06	7.49E-07	7.61E-07	1.51E-06	9.05E-08	1.23E-07	2.14E-07	7.89E-08	7.60E-08	1.55E-07
1768	567044.39	4216702.79	8.47E-07	8.44E-07	1.69E-06	7.34E-07	7.47E-07	1.48E-06	8.88E-08	1.21E-07	2.10E-07	7.73E-08	7.45E-08	1.52E-07
1769	567053.48	4216700.6	8.30E-07	8.28E-07	1.66E-06	7.21E-07	7.33E-07	1.45E-06	8.71E-08	1.19E-07	2.06E-07	7.59E-08	7.31E-08	1.49E-07
1770	567062.57	4216698.42	8.14E-07	8.12E-07	1.63E-06	7.07E-07	7.18E-07	1.42E-06	8.54E-08	1.16E-07	2.02E-07	7.44E-08	7.17E-08	1.46E-07
1771	567071.67	4216696.23	7.99E-07	7.97E-07	1.60E-06	6.93E-07	7.05E-07	1.40E-06	8.38E-08	1.14E-07	1.98E-07	7.30E-08	7.03E-08	1.43E-07

1772	567080.76	4216694.05	7.85E-07	7.82E-07	1.57E-06	6.81E-07	6.92E-07	1.37E-06	8.23E-08	1.12E-07	1.94E-07	7.17E-08	6.91E-08	1.41E-07
1773	566975.04	4216738.16	1.15E-06	1.15E-06	2.30E-06	1.00E-06	1.02E-06	2.02E-06	1.21E-07	1.65E-07	2.86E-07	1.05E-07	1.01E-07	2.07E-07
1774	566988.36	4216726.76	1.04E-06	1.04E-06	2.08E-06	9.05E-07	9.20E-07	1.82E-06	1.09E-07	1.49E-07	2.58E-07	9.52E-08	9.18E-08	1.87E-07
1775	567001.68	4216715.36	9.45E-07	9.42E-07	1.89E-06	8.20E-07	8.33E-07	1.65E-06	9.91E-08	1.35E-07	2.34E-07	8.63E-08	8.32E-08	1.69E-07
1776	567015	4216703.96	8.57E-07	8.55E-07	1.71E-06	7.44E-07	7.56E-07	1.50E-06	8.99E-08	1.23E-07	2.13E-07	7.83E-08	7.55E-08	1.54E-07
1777	567030.18	4216696.21	8.03E-07	8.01E-07	1.60E-06	6.97E-07	7.08E-07	1.41E-06	8.42E-08	1.15E-07	1.99E-07	7.34E-08	7.07E-08	1.44E-07
1778	567047.23	4216692.11	7.75E-07	7.72E-07	1.55E-06	6.72E-07	6.83E-07	1.36E-06	8.13E-08	1.11E-07	1.92E-07	7.08E-08	6.82E-08	1.39E-07
1779	567064.28	4216688.01	7.48E-07	7.46E-07	1.49E-06	6.49E-07	6.60E-07	1.31E-06	7.85E-08	1.07E-07	1.85E-07	6.83E-08	6.58E-08	1.34E-07
1780	566939.82	4216783.28	1.67E-06	1.66E-06	3.33E-06	1.45E-06	1.47E-06	2.92E-06	1.75E-07	2.38E-07	4.13E-07	1.52E-07	1.47E-07	2.99E-07
1781	566934.1	4216791.17	1.76E-06	1.76E-06	3.52E-06	1.53E-06	1.55E-06	3.08E-06	1.85E-07	2.52E-07	4.37E-07	1.61E-07	1.55E-07	3.16E-07
1782	566928.39	4216799.05	1.85E-06	1.85E-06	3.70E-06	1.61E-06	1.64E-06	3.25E-06	1.95E-07	2.65E-07	4.60E-07	1.69E-07	1.63E-07	3.33E-07
1783	566922.68	4216806.94	1.94E-06	1.94E-06	3.88E-06	1.69E-06	1.72E-06	3.40E-06	2.04E-07	2.78E-07	4.82E-07	1.78E-07	1.71E-07	3.49E-07
1784	566916.97	4216814.82	2.03E-06	2.02E-06	4.05E-06	1.76E-06	1.79E-06	3.55E-06	2.13E-07	2.90E-07	5.03E-07	1.85E-07	1.79E-07	3.64E-07
1785	566911.25	4216822.71	2.11E-06	2.10E-06	4.21E-06	1.83E-06	1.86E-06	3.69E-06	2.21E-07	3.01E-07	5.23E-07	1.93E-07	1.86E-07	3.78E-07
1786	566905.54	4216830.59	2.18E-06	2.17E-06	4.35E-06	1.89E-06	1.92E-06	3.82E-06	2.29E-07	3.12E-07	5.40E-07	1.99E-07	1.92E-07	3.91E-07
1787	566899.83	4216838.48	2.24E-06	2.24E-06	4.48E-06	1.95E-06	1.98E-06	3.93E-06	2.35E-07	3.21E-07	5.56E-07	2.05E-07	1.98E-07	4.02E-07
1788	566894.12	4216846.36	2.30E-06	2.29E-06	4.59E-06	1.99E-06	2.03E-06	4.02E-06	2.41E-07	3.29E-07	5.70E-07	2.10E-07	2.02E-07	4.12E-07
1789	566888.41	4216854.25	2.35E-06	2.34E-06	4.68E-06	2.04E-06	2.07E-06	4.10E-06	2.46E-07	3.35E-07	5.81E-07	2.14E-07	2.06E-07	4.21E-07
1790	566882.69	4216862.13	2.38E-06	2.37E-06	4.76E-06	2.07E-06	2.10E-06	4.17E-06	2.50E-07	3.41E-07	5.90E-07	2.18E-07	2.10E-07	4.27E-07
1791	566876.98	4216870.02	2.41E-06	2.40E-06	4.81E-06	2.09E-06	2.12E-06	4.21E-06	2.52E-07	3.44E-07	5.97E-07	2.20E-07	2.12E-07	4.32E-07
1792	566871.27	4216877.9	2.42E-06	2.41E-06	4.83E-06	2.10E-06	2.13E-06	4.23E-06	2.54E-07	3.46E-07	5.99E-07	2.21E-07	2.13E-07	4.34E-07
1793	566967.38	4216731.91	1.09E-06	1.08E-06	2.17E-06	9.41E-07	9.57E-07	1.90E-06	1.14E-07	1.55E-07	2.69E-07	9.91E-08	9.55E-08	1.95E-07
1794	566974.49	4216725.83	1.03E-06	1.03E-06	2.06E-06	8.95E-07	9.10E-07	1.80E-06	1.08E-07	1.47E-07	2.56E-07	9.42E-08	9.08E-08	1.85E-07
1795	566981.59	4216719.75	9.79E-07	9.76E-07	1.96E-06	8.50E-07	8.64E-07	1.71E-06	1.03E-07	1.40E-07	2.43E-07	8.95E-08	8.62E-08	1.76E-07
1796	566988.7	4216713.67	9.30E-07	9.27E-07	1.86E-06	8.07E-07	8.20E-07	1.63E-06	9.75E-08	1.33E-07	2.30E-07	8.49E-08	8.18E-08	1.67E-07
1797	566995.8	4216707.59	8.83E-07	8.81E-07	1.76E-06	7.67E-07	7.79E-07	1.55E-06	9.27E-08	1.26E-07	2.19E-07	8.07E-08	7.78E-08	1.58E-07
1798	567002.9	4216701.51	8.41E-07	8.38E-07	1.68E-06	7.29E-07	7.42E-07	1.47E-06	8.82E-08	1.20E-07	2.08E-07	7.68E-08	7.40E-08	1.51E-07
1799	567010.01	4216695.43	8.00E-07	7.97E-07	1.60E-06	6.94E-07	7.06E-07	1.40E-06	8.39E-08	1.14E-07	1.98E-07	7.31E-08	7.04E-08	1.43E-07
1800	567026.21	4216687.16	7.47E-07	7.44E-07	1.49E-06	6.48E-07	6.59E-07	1.31E-06	7.83E-08	1.07E-07	1.85E-07	6.82E-08	6.57E-08	1.34E-07
1801	567035.3	4216684.98	7.33E-07	7.31E-07	1.46E-06	6.36E-07	6.46E-07	1.28E-06	7.69E-08	1.05E-07	1.82E-07	6.69E-08	6.45E-08	1.31E-07
1802	567044.39	4216682.79	7.20E-07	7.17E-07	1.44E-06	6.24E-07	6.35E-07	1.26E-06	7.55E-08	1.03E-07	1.78E-07	6.57E-08	6.33E-08	1.29E-07
1803	567053.48	4216680.6	7.07E-07	7.05E-07	1.41E-06	6.13E-07	6.24E-07	1.24E-06	7.42E-08	1.01E-07	1.75E-07	6.46E-08	6.22E-08	1.27E-07
1804	567062.57	4216678.42	6.94E-07	6.92E-07	1.39E-06	6.02E-07	6.13E-07	1.22E-06	7.28E-08	9.93E-08	1.72E-07	6.34E-08	6.11E-08	1.25E-07
1805	567071.67	4216676.23	6.83E-07	6.80E-07	1.36E-06	5.92E-07	6.02E-07	1.19E-06	7.16E-08	9.76E-08	1.69E-07	6.23E-08	6.01E-08	1.22E-07
1806	567080.76	4216674.05	6.72E-07	6.70E-07	1.34E-06	5.83E-07	5.92E-07	1.18E-06	7.04E-08	9.60E-08	1.66E-07	6.13E-08	5.91E-08	1.20E-07
1807	566960.28	4216737.99	1.14E-06	1.14E-06	2.27E-06	9.88E-07	1.00E-06	1.99E-06	1.19E-07	1.63E-07	2.82E-07	1.04E-07	1.00E-07	2.04E-07
1808	566954.57	4216745.88	1.21E-06	1.21E-06	2.43E-06	1.05E-06	1.07E-06	2.12E-06	1.27E-07	1.74E-07	3.01E-07	1.11E-07	1.07E-07	2.18E-07
1809	566926	4216785.3	1.64E-06	1.63E-06	3.27E-06	1.42E-06	1.44E-06	2.86E-06	1.72E-07	2.34E-07	4.05E-07	1.49E-07	1.44E-07	2.93E-07
1810	566920.29	4216793.19	1.72E-06	1.71E-06	3.43E-06	1.49E-06	1.52E-06	3.01E-06	1.80E-07	2.46E-07	4.26E-07	1.57E-07	1.51E-07	3.08E-07
1811	566914.58	4216801.07	1.80E-06	1.79E-06	3.59E-06	1.56E-06	1.59E-06	3.15E-06	1.89E-07	2.57E-07	4.46E-07	1.64E-07	1.58E-07	3.23E-07
1812	566908.87	4216808.96	1.88E-06	1.87E-06	3.75E-06	1.63E-06	1.65E-06	3.28E-06	1.97E-07	2.68E-07	4.65E-07	1.71E-07	1.65E-07	3.36E-07
1813	566903.16	4216816.84	1.95E-06	1.94E-06	3.89E-06	1.69E-06	1.72E-06	3.41E-06	2.04E-07	2.78E-07	4.83E-07	1.78E-07	1.71E-07	3.49E-07
1814	566897.44	4216824.73	2.01E-06	2.01E-06	4.02E-06	1.75E-06	1.78E-06	3.52E-06	2.11E-07	2.88E-07	4.99E-07	1.84E-07	1.77E-07	3.61E-07
1815	566891.73	4216832.61	2.07E-06	2.07E-06	4.14E-06	1.80E-06	1.83E-06	3.63E-06	2.17E-07	2.96E-07	5.14E-07	1.89E-07	1.82E-07	3.72E-07
1816	566886.02	4216840.5	2.12E-06	2.12E-06	4.24E-06	1.84E-06	1.87E-06	3.72E-06	2.23E-07	3.04E-07	5.26E-07	1.94E-07	1.87E-07	3.81E-07
1817	566880.31	4216848.38	2.17E-06	2.16E-06	4.33E-06	1.88E-06	1.91E-06	3.79E-06	2.27E-07	3.10E-07	5.37E-07	1.98E-07	1.91E-07	3.89E-07
1818	566874.59	4216856.27	2.20E-06	2.20E-06	4.40E-06	1.91E-06	1.94E-06	3.85E-06	2.31E-07	3.15E-07	5.46E-07	2.01E-07	1.94E-07	3.95E-07
1819	566868.88	4216864.15	2.23E-06	2.22E-06	4.45E-06	1.93E-06	1.96E-06	3.90E-06	2.34E-07	3.18E-07	5.52E-07	2.03E-07	1.96E-07	3.99E-07
1820	566863.17	4216872.04	2.24E-06	2.23E-06	4.47E-06	1.94E-06	1.98E-06	3.92E-06	2.35E-07	3.20E-07	5.55E-07	2.05E-07	1.97E-07	4.02E-07
1821	566958.89	4216726.38	1.03E-06	1.03E-06	2.06E-06	8.93E-07	9.08E-07	1.80E-06	1.08E-07	1.47E-07	2.55E-07	9.40E-08	9.06E-08	1.85E-07
1822	566965.6	4216720.64	9.83E-07	9.80E-07	1.96E-06	8.53E-07	8.67E-07	1.72E-06	1.03E-07	1.41E-07	2.44E-07	8.98E-08	8.66E-08	1.76E-07
1823	566979.02	4216709.16	8.95E-07	8.92E-07	1.79E-06	7.77E-07	7.90E-07	1.57E-06	9.39E-08	1.28E-07	2.22E-07	8.18E-08	7.88E-08	1.61E-07
1824	566992.44	4216697.67	8.15E-07	8.12E-07	1.63E-06	7.07E-07	7.19E-07	1.43E-06	8.55E-08	1.16E-07	2.02E-07	7.44E-08	7.17E-08	1.46E-07
1825	567005.86	4216686.18	7.44E-07	7.42E-07	1.49E-06	6.45E-07	6.56E-07	1.30E-06	7.80E-08	1.06E-07	1.84E-07	6.79E-08	6.55E-08	1.33E-07
1826	567038.33	4216674.25	6.75E-07	6.73E-07	1.35E-06	5.85E-07	5.95E-07	1.18E-06	7.08E-08	9.64E-08	1.67E-07	6.16E-08	5.94E-08	1.21E-07
1827	567055.5	4216670.12	6.53E-07	6.51E-07	1.30E-06	5.67E-07	5.76E-07	1.14E-06	6.85E-08	9.34E-08	1.62E-07	5.97E-08	5.75E-08	1.17E-07
1828	567072.68	4216665.99	6.33E-07	6.31E-07	1.26E-06	5.49E-07	5.59E-07	1.11E-06	6.64E-08	9.05E-08	1.57E-07	5.78E-08	5.57E-08	1.14E-07
1829	566946.47	4216740.01	1.14E-06	1.14E-06	2.28E-06	9.92E-07	1.01E-06	2.00E-06	1.20E-07	1.63E-07	2.83E-07	1.04E-07	1.01E-07	2.05E-07
1830	566912.19	4216787.32	1.60E-06	1.59E-06	3.19E-06	1.39E-06	1.41E-06	2.80E-06	1.68E-07	2.28E-07	3.96E-07	1.46E-07	1.41E-07	2.87E-07
1831	566906.48	4216795.21	1.67E-06	1.67E-06	3.34E-06	1.45E-06	1.47E-06	2.92E-06	1.75E-07	2.39E-07	4.14E-07	1.53E-07	1.47E-07	3.00E-07
1832	566900.77	4216803.09	1.74E-06	1.73E-06	3.48E-06	1.51E-06	1.54E-06	3.04E-06	1.83E-07	2.49E-07	4.31E-07	1.59E-07	1.53E-07	3.12E-07
1833	566895.06	4216810.98	1.81E-06	1.80E-06	3.61E-06	1.57E-06	1.59E-06	3.16E-06	1.89E-07	2.58E-07	4.48E-07	1.65E-07	1.59E-07	3.24E-07
1834	566889.35	4216818.86	1.87E-06	1.86E-06	3.73E-06	1.62E-06	1.65E-06	3.27E-06	1.96E-07	2.67E-07	4.63E-07	1.70E-07	1.64E-07	3.35E-07
1835	566883.63	4216826.75	1.92E-06	1.92E-06	3.84E-06	1.67E-06	1.69E-06	3.36E-06	2.01E-07	2.75E-07	4.76E-07	1.75E-07	1.69E-07	3.45E-07
1836	566877.92	4216834.63	1.97E-06	1.96E-06	3.93E-06	1.71E-06	1.74E-06	3.45E-06	2.07E-07	2.81E-07	4.88E-07	1.80E-07	1.73E-07	3.53E-07
1837	566872.21	4216842.52	2.01E-06	2.00E-06	4.01E-06	1.74E-06	1.77E-06	3.52E-06	2.11E-07	2.87E-07	4.98E-07	1.84E-07	1.77E-07	3.60E-07
1838	566866.5	4216850.4	2.04E-06	2.04E-06	4.08E-06	1.77E-06	1.80E-06	3.57E-06	2.14E-07	2.92E-07	5.06E-07	1.87E-07	1.80E-07	3.66E-07
1839	566860.78	4216858.29	2.07E-06	2.06E-06	4.13E-06	1.79E-06	1.82E-06	3.62E-06	2.17E-07	2.96E-07	5.12E-07	1.89E-07	1.82E-07	3.71E-07
1840	566855.07	4216866.17	2.08E-06	2.08E-06	4.16E-06	1.81E-06	1.84E-06	3.64E-06	2.18E-07	2.98E-07	5.16E-07	1.90E-07	1.83E-07	3.73E-07
1841	566951.19	4216720.18	9.72E-07	9.69E-07	1.94E-06	8.44E-07	8.58E-07	1.70E-06	1.02E-07	1.39E-07	2.41E-07	8.88E-08	8.56E-08	1.74E-07
1842	566958.29	4216714.1	9.28E-07	9.25E-07	1.85E-06	8.05E-07	8.19E-07	1.62E-06	9.74E-08	1.33E-07	2.30E-07	8.48E-08	8.17E-08	1.67E-07

1843	566965.39	4216708.02	8.85E-07	8.82E-07	1.77E-06	7.68E-07	7.81E-07	1.55E-06	9.28E-08	1.27E-07	2.19E-07	8.08E-08	7.79E-08	1.59E-07
1844	566972.5	4216701.94	8.44E-07	8.41E-07	1.68E-06	7.32E-07	7.44E-07	1.48E-06	8.85E-08	1.21E-07	2.09E-07	7.71E-08	7.43E-08	1.51E-07
1845	566979.6	4216695.86	8.04E-07	8.02E-07	1.61E-06	6.98E-07	7.09E-07	1.41E-06	8.43E-08	1.15E-07	1.99E-07	7.35E-08	7.08E-08	1.44E-07
1846	566986.71	4216689.78	7.67E-07	7.64E-07	1.53E-06	6.65E-07	6.76E-07	1.34E-06	8.04E-08	1.10E-07	1.90E-07	7.00E-08	6.75E-08	1.38E-07
1847	566993.81	4216683.7	7.31E-07	7.29E-07	1.46E-06	6.35E-07	6.45E-07	1.28E-06	7.67E-08	1.05E-07	1.81E-07	6.68E-08	6.44E-08	1.31E-07
1848	567000.92	4216677.62	6.98E-07	6.96E-07	1.39E-06	6.06E-07	6.16E-07	1.22E-06	7.32E-08	9.98E-08	1.73E-07	6.38E-08	6.14E-08	1.25E-07
1849	567026.21	4216667.16	6.42E-07	6.40E-07	1.28E-06	5.57E-07	5.66E-07	1.12E-06	6.73E-08	9.17E-08	1.59E-07	5.86E-08	5.65E-08	1.15E-07
1850	567035.3	4216664.98	6.31E-07	6.29E-07	1.26E-06	5.47E-07	5.56E-07	1.10E-06	6.61E-08	9.01E-08	1.56E-07	5.76E-08	5.55E-08	1.13E-07
1851	567044.39	4216662.79	6.20E-07	6.18E-07	1.24E-06	5.38E-07	5.47E-07	1.09E-06	6.51E-08	8.87E-08	1.54E-07	5.67E-08	5.46E-08	1.11E-07
1852	567053.48	4216660.6	6.10E-07	6.09E-07	1.22E-06	5.30E-07	5.38E-07	1.07E-06	6.40E-08	8.73E-08	1.51E-07	5.58E-08	5.37E-08	1.09E-07
1853	567062.57	4216658.42	6.01E-07	5.99E-07	1.20E-06	5.21E-07	5.30E-07	1.05E-06	6.30E-08	8.59E-08	1.49E-07	5.49E-08	5.29E-08	1.08E-07
1854	567071.67	4216656.23	5.92E-07	5.90E-07	1.18E-06	5.14E-07	5.22E-07	1.04E-06	6.21E-08	8.46E-08	1.47E-07	5.41E-08	5.21E-08	1.06E-07
1855	567080.76	4216654.05	5.84E-07	5.82E-07	1.17E-06	5.06E-07	5.15E-07	1.02E-06	6.12E-08	8.34E-08	1.45E-07	5.33E-08	5.14E-08	1.05E-07
1856	566944.08	4216726.26	1.02E-06	1.01E-06	2.03E-06	8.82E-07	8.97E-07	1.78E-06	1.07E-07	1.45E-07	2.52E-07	9.29E-08	8.95E-08	1.82E-07
1857	566926.94	4216749.91	1.21E-06	1.21E-06	2.42E-06	1.05E-06	1.07E-06	2.12E-06	1.27E-07	1.73E-07	3.00E-07	1.11E-07	1.07E-07	2.17E-07
1858	566921.23	4216757.8	1.28E-06	1.28E-06	2.56E-06	1.11E-06	1.13E-06	2.24E-06	1.34E-07	1.83E-07	3.17E-07	1.17E-07	1.13E-07	2.30E-07
1859	566892.67	4216797.22	1.62E-06	1.61E-06	3.23E-06	1.41E-06	1.43E-06	2.83E-06	1.70E-07	2.31E-07	4.01E-07	1.48E-07	1.43E-07	2.90E-07
1860	566886.96	4216805.11	1.68E-06	1.67E-06	3.35E-06	1.46E-06	1.48E-06	2.94E-06	1.76E-07	2.40E-07	4.16E-07	1.53E-07	1.48E-07	3.01E-07
1861	566881.25	4216812.99	1.74E-06	1.73E-06	3.47E-06	1.51E-06	1.53E-06	3.04E-06	1.82E-07	2.48E-07	4.30E-07	1.59E-07	1.53E-07	3.11E-07
1862	566875.53	4216820.88	1.79E-06	1.78E-06	3.57E-06	1.55E-06	1.58E-06	3.13E-06	1.87E-07	2.55E-07	4.43E-07	1.63E-07	1.57E-07	3.20E-07
1863	566869.82	4216828.76	1.83E-06	1.83E-06	3.66E-06	1.59E-06	1.62E-06	3.20E-06	1.92E-07	2.62E-07	4.54E-07	1.67E-07	1.61E-07	3.28E-07
1864	566864.11	4216836.65	1.87E-06	1.86E-06	3.73E-06	1.62E-06	1.65E-06	3.27E-06	1.96E-07	2.67E-07	4.63E-07	1.71E-07	1.65E-07	3.35E-07
1865	566858.4	4216844.53	1.90E-06	1.89E-06	3.80E-06	1.65E-06	1.68E-06	3.33E-06	1.99E-07	2.72E-07	4.71E-07	1.74E-07	1.67E-07	3.41E-07
1866	566852.69	4216852.42	1.92E-06	1.92E-06	3.84E-06	1.67E-06	1.70E-06	3.37E-06	2.02E-07	2.75E-07	4.77E-07	1.76E-07	1.69E-07	3.45E-07
1867	566846.97	4216860.3	1.94E-06	1.93E-06	3.87E-06	1.68E-06	1.71E-06	3.40E-06	2.04E-07	2.77E-07	4.81E-07	1.77E-07	1.71E-07	3.48E-07
1868	566942.73	4216714.62	9.25E-07	9.22E-07	1.85E-06	8.03E-07	8.16E-07	1.62E-06	9.70E-08	1.32E-07	2.29E-07	8.45E-08	8.14E-08	1.66E-07
1869	566956.23	4216703.06	8.49E-07	8.46E-07	1.70E-06	7.37E-07	7.49E-07	1.49E-06	8.91E-08	1.21E-07	2.10E-07	7.76E-08	7.47E-08	1.52E-07
1870	566969.73	4216691.51	7.78E-07	7.75E-07	1.55E-06	6.75E-07	6.86E-07	1.36E-06	8.16E-08	1.11E-07	1.93E-07	7.10E-08	6.85E-08	1.39E-07
1871	566976.48	4216685.73	7.45E-07	7.42E-07	1.49E-06	6.46E-07	6.57E-07	1.30E-06	7.81E-08	1.06E-07	1.85E-07	6.80E-08	6.55E-08	1.34E-07
1872	566989.98	4216674.18	6.82E-07	6.80E-07	1.36E-06	5.92E-07	6.02E-07	1.19E-06	7.16E-08	9.76E-08	1.69E-07	6.23E-08	6.01E-08	1.22E-07
1873	567029.39	4216656.4	5.94E-07	5.92E-07	1.19E-06	5.15E-07	5.24E-07	1.04E-06	6.23E-08	8.49E-08	1.47E-07	5.43E-08	5.23E-08	1.07E-07
1874	567046.66	4216652.24	5.76E-07	5.75E-07	1.15E-06	5.00E-07	5.08E-07	1.01E-06	6.04E-08	8.24E-08	1.43E-07	5.26E-08	5.07E-08	1.03E-07
1875	567063.94	4216648.09	5.60E-07	5.59E-07	1.12E-06	4.86E-07	4.94E-07	9.81E-07	5.88E-08	8.01E-08	1.39E-07	5.12E-08	4.93E-08	1.01E-07
1876	566924.56	4216736.16	1.08E-06	1.08E-06	2.16E-06	9.37E-07	9.53E-07	1.89E-06	1.13E-07	1.54E-07	2.68E-07	9.87E-08	9.51E-08	1.94E-07
1877	566918.85	4216744.05	1.14E-06	1.14E-06	2.28E-06	9.91E-07	1.01E-06	2.00E-06	1.20E-07	1.63E-07	2.83E-07	1.04E-07	1.01E-07	2.05E-07
1878	566913.13	4216751.93	1.20E-06	1.20E-06	2.41E-06	1.05E-06	1.06E-06	2.11E-06	1.26E-07	1.72E-07	2.99E-07	1.10E-07	1.06E-07	2.16E-07
1879	566907.42	4216759.82	1.27E-06	1.26E-06	2.53E-06	1.10E-06	1.12E-06	2.22E-06	1.33E-07	1.81E-07	3.14E-07	1.16E-07	1.12E-07	2.27E-07
1880	566901.71	4216767.7	1.33E-06	1.33E-06	2.66E-06	1.16E-06	1.17E-06	2.33E-06	1.40E-07	1.90E-07	3.30E-07	1.22E-07	1.17E-07	2.39E-07
1881	566878.86	4216799.24	1.57E-06	1.56E-06	3.13E-06	1.36E-06	1.38E-06	2.74E-06	1.64E-07	2.24E-07	3.88E-07	1.43E-07	1.38E-07	2.81E-07
1882	566873.15	4216807.13	1.62E-06	1.61E-06	3.23E-06	1.40E-06	1.43E-06	2.83E-06	1.70E-07	2.31E-07	4.01E-07	1.48E-07	1.42E-07	2.90E-07
1883	566867.44	4216815.01	1.67E-06	1.66E-06	3.33E-06	1.44E-06	1.47E-06	2.91E-06	1.75E-07	2.38E-07	4.13E-07	1.52E-07	1.47E-07	2.99E-07
1884	566861.72	4216822.9	1.71E-06	1.70E-06	3.41E-06	1.48E-06	1.51E-06	2.99E-06	1.79E-07	2.44E-07	4.23E-07	1.56E-07	1.50E-07	3.06E-07
1885	566856.01	4216830.78	1.74E-06	1.74E-06	3.48E-06	1.51E-06	1.54E-06	3.05E-06	1.83E-07	2.49E-07	4.32E-07	1.59E-07	1.53E-07	3.13E-07
1886	566850.3	4216838.67	1.77E-06	1.77E-06	3.54E-06	1.54E-06	1.57E-06	3.10E-06	1.86E-07	2.54E-07	4.40E-07	1.62E-07	1.56E-07	3.18E-07
1887	566844.59	4216846.55	1.80E-06	1.79E-06	3.59E-06	1.56E-06	1.59E-06	3.15E-06	1.89E-07	2.57E-07	4.46E-07	1.64E-07	1.58E-07	3.22E-07
1888	566838.88	4216854.44	1.81E-06	1.81E-06	3.62E-06	1.57E-06	1.60E-06	3.17E-06	1.90E-07	2.59E-07	4.50E-07	1.66E-07	1.60E-07	3.25E-07
1889	566942.09	4216702.36	8.41E-07	8.39E-07	1.68E-06	7.30E-07	7.42E-07	1.47E-06	8.82E-08	1.20E-07	2.09E-07	7.68E-08	7.41E-08	1.51E-07
1890	566949.2	4216696.28	8.05E-07	8.03E-07	1.61E-06	6.98E-07	7.10E-07	1.41E-06	8.44E-08	1.15E-07	2.00E-07	7.35E-08	7.09E-08	1.44E-07
1891	566956.3	4216690.2	7.70E-07	7.68E-07	1.54E-06	6.68E-07	6.79E-07	1.35E-06	8.08E-08	1.10E-07	1.91E-07	7.03E-08	6.78E-08	1.38E-07
1892	566963.41	4216684.12	7.36E-07	7.34E-07	1.47E-06	6.39E-07	6.49E-07	1.29E-06	7.72E-08	1.05E-07	1.82E-07	6.72E-08	6.48E-08	1.32E-07
1893	566970.51	4216678.04	7.04E-07	7.02E-07	1.41E-06	6.11E-07	6.21E-07	1.23E-06	7.39E-08	1.01E-07	1.75E-07	6.43E-08	6.20E-08	1.26E-07
1894	566977.62	4216671.96	6.74E-07	6.72E-07	1.35E-06	5.84E-07	5.94E-07	1.18E-06	7.07E-08	9.63E-08	1.67E-07	6.15E-08	5.93E-08	1.21E-07
1895	566984.72	4216665.88	6.44E-07	6.42E-07	1.29E-06	5.59E-07	5.68E-07	1.13E-06	6.76E-08	9.21E-08	1.60E-07	5.89E-08	5.67E-08	1.16E-07
1896	566991.82	4216659.8	6.16E-07	6.14E-07	1.23E-06	5.34E-07	5.43E-07	1.08E-06	6.46E-08	8.81E-08	1.53E-07	5.63E-08	5.42E-08	1.10E-07
1897	567017.11	4216649.35	5.68E-07	5.66E-07	1.13E-06	4.93E-07	5.01E-07	9.94E-07	5.96E-08	8.12E-08	1.41E-07	5.19E-08	5.00E-08	1.02E-07
1898	567026.21	4216647.16	5.58E-07	5.57E-07	1.11E-06	4.84E-07	4.92E-07	9.77E-07	5.86E-08	7.98E-08	1.38E-07	5.10E-08	4.91E-08	1.00E-07
1899	567035.3	4216644.98	5.50E-07	5.48E-07	1.10E-06	4.77E-07	4.85E-07	9.62E-07	5.76E-08	7.86E-08	1.36E-07	5.02E-08	4.84E-08	9.86E-08
1900	567044.39	4216642.79	5.41E-07	5.40E-07	1.08E-06	4.70E-07	4.77E-07	9.47E-07	5.68E-08	7.74E-08	1.34E-07	4.94E-08	4.76E-08	9.71E-08
1901	567053.48	4216640.6	5.34E-07	5.32E-07	1.07E-06	4.63E-07	4.71E-07	9.34E-07	5.60E-08	7.63E-08	1.32E-07	4.87E-08	4.70E-08	9.57E-08
1902	567062.57	4216638.42	5.26E-07	5.25E-07	1.05E-06	4.57E-07	4.64E-07	9.21E-07	5.52E-08	7.52E-08	1.30E-07	4.81E-08	4.63E-08	9.44E-08
1903	567071.67	4216636.23	5.20E-07	5.18E-07	1.04E-06	4.51E-07	4.59E-07	9.09E-07	5.45E-08	7.43E-08	1.29E-07	4.75E-08	4.58E-08	9.32E-08
1904	567080.76	4216634.05	5.14E-07	5.12E-07	1.03E-06	4.46E-07	4.53E-07	8.99E-07	5.39E-08	7.34E-08	1.27E-07	4.69E-08	4.52E-08	9.21E-08
1905	566922.17	4216722.41	9.68E-07	9.65E-07	1.93E-06	8.40E-07	8.54E-07	1.69E-06	1.02E-07	1.38E-07	2.40E-07	8.84E-08	8.52E-08	1.74E-07
1906	566916.46	4216730.3	1.02E-06	1.02E-06	2.04E-06	8.87E-07	9.02E-07	1.79E-06	1.07E-07	1.46E-07	2.53E-07	9.34E-08	9.00E-08	1.83E-07
1907	566910.75	4216738.18	1.08E-06	1.08E-06	2.15E-06	9.36E-07	9.51E-07	1.89E-06	1.13E-07	1.54E-07	2.67E-07	9.85E-08	9.49E-08	1.93E-07
1908	566905.04	4216746.07	1.14E-06	1.13E-06	2.27E-06	9.85E-07	1.00E-06	1.99E-06	1.19E-07	1.62E-07	2.81E-07	1.04E-07	1.00E-07	2.04E-07
1909	566899.32	4216753.95	1.19E-06	1.19E-06	2.38E-06	1.04E-06	1.05E-06	2.09E-06	1.25E-07	1.71E-07	2.96E-07	1.09E-07	1.05E-07	2.14E-07
1910	566893.61	4216761.84	1.25E-06	1.25E-06	2.50E-06	1.08E-06	1.10E-06	2.19E-06	1.31E-07	1.79E-07	3.10E-07	1.14E-07	1.10E-07	2.24E-07
1911	566887.9	4216769.72	1.31E-06	1.30E-06	2.61E-06	1.13E-06	1.15E-06	2.29E-06	1.37E-07	1.87E-07	3.24E-07	1.19E-07	1.15E-07	2.34E-07
1912	566865.05	4216801.26	1.51E-06	1.51E-06	3.02E-06	1.31E-06	1.33E-06	2.65E-06	1.59E-07	2.16E-07	3.75E-07	1.38E-07	1.33E-07	2.71E-07
1913	566859.34	4216809.15	1.56E-06	1.55E-06	3.11E-06	1.35E-06	1.37E-06	2.72E-06	1.63E-07	2.23E-07	3.86E-07	1.42E-07	1.37E-07	2.79E-07

1914	566853.63	4216817.03	1.60E-06	1.59E-06	3.19E-06	1.39E-06	1.41E-06	2.79E-06	1.67E-07	2.28E-07	3.96E-07	1.46E-07	1.41E-07	2.86E-07
1915	566847.91	4216824.92	1.63E-06	1.63E-06	3.26E-06	1.41E-06	1.44E-06	2.85E-06	1.71E-07	2.33E-07	4.04E-07	1.49E-07	1.44E-07	2.93E-07
1916	566842.2	4216832.8	1.66E-06	1.65E-06	3.31E-06	1.44E-06	1.46E-06	2.90E-06	1.74E-07	2.37E-07	4.11E-07	1.52E-07	1.46E-07	2.98E-07
1917	566836.49	4216840.69	1.68E-06	1.68E-06	3.36E-06	1.46E-06	1.48E-06	2.95E-06	1.77E-07	2.41E-07	4.17E-07	1.54E-07	1.48E-07	3.02E-07
1918	566830.78	4216848.57	1.70E-06	1.70E-06	3.40E-06	1.48E-06	1.50E-06	2.98E-06	1.78E-07	2.43E-07	4.21E-07	1.55E-07	1.50E-07	3.05E-07
1919	566940.13	4216691.25	7.75E-07	7.72E-07	1.55E-06	6.72E-07	6.83E-07	1.36E-06	8.12E-08	1.11E-07	1.92E-07	7.07E-08	6.82E-08	1.39E-07
1920	566953.69	4216679.64	7.13E-07	7.11E-07	1.42E-06	6.19E-07	6.29E-07	1.25E-06	7.48E-08	1.02E-07	1.77E-07	6.52E-08	6.28E-08	1.28E-07
1921	566967.26	4216668.03	6.57E-07	6.54E-07	1.31E-06	5.70E-07	5.79E-07	1.15E-06	6.89E-08	9.38E-08	1.63E-07	6.00E-08	5.78E-08	1.18E-07
1922	566974.04	4216662.23	6.30E-07	6.28E-07	1.26E-06	5.46E-07	5.56E-07	1.10E-06	6.61E-08	9.00E-08	1.56E-07	5.75E-08	5.54E-08	1.13E-07
1923	566987.6	4216650.62	5.79E-07	5.78E-07	1.16E-06	5.03E-07	5.11E-07	1.01E-06	6.08E-08	8.28E-08	1.44E-07	5.29E-08	5.10E-08	1.04E-07
1924	567020.42	4216638.55	5.28E-07	5.27E-07	1.06E-06	4.58E-07	4.66E-07	9.25E-07	5.54E-08	7.55E-08	1.31E-07	4.83E-08	4.65E-08	9.48E-08
1925	567037.78	4216634.38	5.13E-07	5.12E-07	1.02E-06	4.45E-07	4.53E-07	8.98E-07	5.38E-08	7.34E-08	1.27E-07	4.69E-08	4.52E-08	9.20E-08
1926	567055.13	4216630.21	5.00E-07	4.98E-07	9.99E-07	4.34E-07	4.41E-07	8.75E-07	5.24E-08	7.15E-08	1.24E-07	4.57E-08	4.40E-08	8.97E-08
1927	567072.49	4216626.03	4.88E-07	4.87E-07	9.75E-07	4.24E-07	4.31E-07	8.54E-07	5.12E-08	6.98E-08	1.21E-07	4.46E-08	4.30E-08	8.76E-08
1928	566914.07	4216716.54	9.19E-07	9.16E-07	1.83E-06	7.97E-07	8.11E-07	1.61E-06	9.64E-08	1.31E-07	2.28E-07	8.39E-08	8.09E-08	1.65E-07
1929	566908.36	4216724.43	9.69E-07	9.66E-07	1.94E-06	8.41E-07	8.55E-07	1.70E-06	1.02E-07	1.39E-07	2.40E-07	8.85E-08	8.53E-08	1.74E-07
1930	566902.65	4216732.31	1.02E-06	1.02E-06	2.04E-06	8.85E-07	9.00E-07	1.79E-06	1.07E-07	1.46E-07	2.53E-07	9.32E-08	8.98E-08	1.83E-07
1931	566896.94	4216740.2	1.07E-06	1.07E-06	2.14E-06	9.30E-07	9.46E-07	1.88E-06	1.12E-07	1.53E-07	2.66E-07	9.79E-08	9.44E-08	1.92E-07
1932	566891.23	4216748.08	1.12E-06	1.12E-06	2.24E-06	9.75E-07	9.92E-07	1.97E-06	1.18E-07	1.61E-07	2.79E-07	1.03E-07	9.90E-08	2.02E-07
1933	566885.51	4216755.97	1.18E-06	1.17E-06	2.35E-06	1.02E-06	1.04E-06	2.06E-06	1.23E-07	1.68E-07	2.92E-07	1.07E-07	1.04E-07	2.11E-07
1934	566879.8	4216763.85	1.23E-06	1.22E-06	2.45E-06	1.07E-06	1.08E-06	2.15E-06	1.29E-07	1.76E-07	3.04E-07	1.12E-07	1.08E-07	2.20E-07
1935	566874.09	4216771.74	1.28E-06	1.27E-06	2.55E-06	1.11E-06	1.13E-06	2.24E-06	1.34E-07	1.83E-07	3.17E-07	1.17E-07	1.13E-07	2.29E-07
1936	566845.53	4216811.16	1.50E-06	1.49E-06	2.99E-06	1.30E-06	1.32E-06	2.62E-06	1.57E-07	2.14E-07	3.71E-07	1.37E-07	1.32E-07	2.68E-07
1937	566839.82	4216819.05	1.53E-06	1.52E-06	3.05E-06	1.33E-06	1.35E-06	2.68E-06	1.60E-07	2.19E-07	3.79E-07	1.40E-07	1.35E-07	2.74E-07
1938	566834.1	4216826.93	1.56E-06	1.55E-06	3.11E-06	1.35E-06	1.37E-06	2.72E-06	1.63E-07	2.23E-07	3.86E-07	1.42E-07	1.37E-07	2.79E-07
1939	566828.39	4216834.82	1.58E-06	1.57E-06	3.15E-06	1.37E-06	1.39E-06	2.76E-06	1.66E-07	2.26E-07	3.91E-07	1.44E-07	1.39E-07	2.83E-07
1940	566822.68	4216842.7	1.60E-06	1.59E-06	3.19E-06	1.39E-06	1.41E-06	2.79E-06	1.67E-07	2.28E-07	3.96E-07	1.46E-07	1.41E-07	2.86E-07
1941	566933	4216684.55	7.37E-07	7.35E-07	1.47E-06	6.40E-07	6.50E-07	1.29E-06	7.73E-08	1.05E-07	1.83E-07	6.74E-08	6.49E-08	1.32E-07
1942	566940.11	4216678.47	7.08E-07	7.05E-07	1.41E-06	6.14E-07	6.24E-07	1.24E-06	7.42E-08	1.01E-07	1.75E-07	6.46E-08	6.23E-08	1.27E-07
1943	566947.21	4216672.39	6.79E-07	6.76E-07	1.35E-06	5.89E-07	5.99E-07	1.19E-06	7.12E-08	9.70E-08	1.68E-07	6.20E-08	5.97E-08	1.22E-07
1944	566954.32	4216666.31	6.50E-07	6.48E-07	1.30E-06	5.64E-07	5.74E-07	1.14E-06	6.82E-08	9.30E-08	1.61E-07	5.94E-08	5.73E-08	1.17E-07
1945	566961.42	4216660.23	6.23E-07	6.21E-07	1.24E-06	5.40E-07	5.49E-07	1.09E-06	6.53E-08	8.90E-08	1.54E-07	5.69E-08	5.48E-08	1.12E-07
1946	566968.52	4216654.15	5.97E-07	5.95E-07	1.19E-06	5.18E-07	5.26E-07	1.04E-06	6.26E-08	8.53E-08	1.48E-07	5.45E-08	5.25E-08	1.07E-07
1947	566975.63	4216648.07	5.72E-07	5.70E-07	1.14E-06	4.96E-07	5.04E-07	1.00E-06	6.00E-08	8.17E-08	1.42E-07	5.22E-08	5.03E-08	1.03E-07
1948	566911.69	4216702.79	8.29E-07	8.27E-07	1.66E-06	7.19E-07	7.31E-07	1.45E-06	8.70E-08	1.19E-07	2.06E-07	7.57E-08	7.30E-08	1.49E-07
1949	566905.98	4216710.68	8.74E-07	8.71E-07	1.74E-06	7.58E-07	7.71E-07	1.53E-06	9.16E-08	1.25E-07	2.17E-07	7.98E-08	7.69E-08	1.57E-07
1950	566900.26	4216718.56	9.20E-07	9.17E-07	1.84E-06	7.98E-07	8.11E-07	1.61E-06	9.65E-08	1.31E-07	2.28E-07	8.40E-08	8.10E-08	1.65E-07
1951	566894.55	4216726.45	9.67E-07	9.64E-07	1.93E-06	8.39E-07	8.53E-07	1.69E-06	1.01E-07	1.38E-07	2.40E-07	8.83E-08	8.51E-08	1.73E-07
1952	566888.84	4216734.33	1.01E-06	1.01E-06	2.02E-06	8.80E-07	8.94E-07	1.77E-06	1.06E-07	1.45E-07	2.51E-07	9.26E-08	8.93E-08	1.82E-07
1953	566883.13	4216742.22	1.06E-06	1.06E-06	2.12E-06	9.21E-07	9.37E-07	1.86E-06	1.11E-07	1.52E-07	2.63E-07	9.70E-08	9.35E-08	1.90E-07
1954	566877.42	4216750.1	1.11E-06	1.11E-06	2.22E-06	9.63E-07	9.79E-07	1.94E-06	1.16E-07	1.59E-07	2.75E-07	1.01E-07	9.77E-08	1.99E-07
1955	566871.7	4216757.99	1.16E-06	1.15E-06	2.31E-06	1.00E-06	1.02E-06	2.02E-06	1.21E-07	1.65E-07	2.87E-07	1.06E-07	1.02E-07	2.08E-07
1956	566865.99	4216765.87	1.20E-06	1.20E-06	2.40E-06	1.04E-06	1.06E-06	2.11E-06	1.26E-07	1.72E-07	2.98E-07	1.10E-07	1.06E-07	2.16E-07
1957	566860.28	4216773.76	1.25E-06	1.24E-06	2.49E-06	1.08E-06	1.10E-06	2.18E-06	1.31E-07	1.78E-07	3.09E-07	1.14E-07	1.10E-07	2.24E-07
1958	566831.72	4216813.18	1.44E-06	1.43E-06	2.87E-06	1.25E-06	1.27E-06	2.51E-06	1.51E-07	2.05E-07	3.56E-07	1.31E-07	1.26E-07	2.58E-07
1959	566826.01	4216821.07	1.46E-06	1.46E-06	2.92E-06	1.27E-06	1.29E-06	2.56E-06	1.53E-07	2.09E-07	3.63E-07	1.34E-07	1.29E-07	2.62E-07
1960	566820.29	4216828.95	1.49E-06	1.48E-06	2.97E-06	1.29E-06	1.31E-06	2.60E-06	1.56E-07	2.12E-07	3.68E-07	1.36E-07	1.31E-07	2.66E-07
1961	566814.58	4216836.84	1.50E-06	1.50E-06	3.00E-06	1.30E-06	1.33E-06	2.63E-06	1.58E-07	2.15E-07	3.72E-07	1.37E-07	1.32E-07	2.70E-07
1962	566910.4	4216691.1	7.63E-07	7.61E-07	1.52E-06	6.62E-07	6.73E-07	1.34E-06	8.00E-08	1.09E-07	1.89E-07	6.97E-08	6.72E-08	1.37E-07
1963	566930.82	4216673.62	6.84E-07	6.81E-07	1.37E-06	5.93E-07	6.03E-07	1.20E-06	7.17E-08	9.77E-08	1.69E-07	6.24E-08	6.02E-08	1.23E-07
1964	566944.44	4216661.96	6.32E-07	6.30E-07	1.26E-06	5.49E-07	5.58E-07	1.11E-06	6.63E-08	9.04E-08	1.57E-07	5.78E-08	5.57E-08	1.13E-07
1965	566951.25	4216656.14	6.08E-07	6.06E-07	1.21E-06	5.27E-07	5.36E-07	1.06E-06	6.37E-08	8.68E-08	1.51E-07	5.55E-08	5.35E-08	1.09E-07
1966	567011.43	4216620.72	4.75E-07	4.73E-07	9.48E-07	4.12E-07	4.19E-07	8.31E-07	4.98E-08	6.79E-08	1.18E-07	4.34E-08	4.18E-08	8.52E-08
1967	566903.59	4216696.93	7.91E-07	7.88E-07	1.58E-06	6.86E-07	6.97E-07	1.38E-06	8.29E-08	1.13E-07	1.96E-07	7.22E-08	6.96E-08	1.42E-07
1968	566897.88	4216704.81	8.32E-07	8.29E-07	1.66E-06	7.22E-07	7.34E-07	1.46E-06	8.72E-08	1.19E-07	2.06E-07	7.60E-08	7.32E-08	1.49E-07
1969	566892.17	4216712.7	8.74E-07	8.71E-07	1.75E-06	7.58E-07	7.71E-07	1.53E-06	9.17E-08	1.25E-07	2.17E-07	7.98E-08	7.69E-08	1.57E-07
1970	566886.45	4216720.58	9.17E-07	9.14E-07	1.83E-06	7.96E-07	8.09E-07	1.60E-06	9.62E-08	1.31E-07	2.27E-07	8.38E-08	8.07E-08	1.65E-07
1971	566880.74	4216728.47	9.61E-07	9.58E-07	1.92E-06	8.34E-07	8.48E-07	1.68E-06	1.01E-07	1.37E-07	2.38E-07	8.78E-08	8.46E-08	1.72E-07
1972	566875.03	4216736.35	1.00E-06	1.00E-06	2.01E-06	8.72E-07	8.86E-07	1.76E-06	1.05E-07	1.44E-07	2.49E-07	9.18E-08	8.84E-08	1.80E-07
1973	566869.32	4216744.24	1.05E-06	1.05E-06	2.09E-06	9.10E-07	9.25E-07	1.83E-06	1.10E-07	1.50E-07	2.60E-07	9.58E-08	9.23E-08	1.88E-07
1974	566863.6	4216752.12	1.09E-06	1.09E-06	2.18E-06	9.48E-07	9.63E-07	1.91E-06	1.15E-07	1.56E-07	2.71E-07	9.98E-08	9.61E-08	1.96E-07
1975	566857.89	4216760.01	1.14E-06	1.13E-06	2.27E-06	9.85E-07	1.00E-06	1.99E-06	1.19E-07	1.62E-07	2.81E-07	1.04E-07	9.99E-08	2.04E-07
1976	566840.76	4216783.66	1.26E-06	1.25E-06	2.51E-06	1.09E-06	1.11E-06	2.20E-06	1.32E-07	1.79E-07	3.11E-07	1.15E-07	1.10E-07	2.25E-07
1977	566817.91	4216815.2	1.38E-06	1.37E-06	2.75E-06	1.20E-06	1.22E-06	2.41E-06	1.45E-07	1.97E-07	3.42E-07	1.26E-07	1.21E-07	2.47E-07
1978	566812.19	4216823.09	1.40E-06	1.40E-06	2.79E-06	1.21E-06	1.23E-06	2.45E-06	1.47E-07	2.00E-07	3.47E-07	1.28E-07	1.23E-07	2.51E-07
1979	566806.48	4216830.97	1.42E-06	1.41E-06	2.83E-06	1.23E-06	1.25E-06	2.48E-06	1.49E-07	2.03E-07	3.51E-07	1.29E-07	1.25E-07	2.54E-07
1980	566902.6	4216684.98	7.29E-07	7.27E-07	1.46E-06	6.32E-07	6.43E-07	1.28E-06	7.64E-08	1.04E-07	1.81E-07	6.66E-08	6.42E-08	1.31E-07
1981	566909.7	4216678.9	7.03E-07	7.01E-07	1.40E-06	6.10E-07	6.20E-07	1.23E-06	7.37E-08	1.00E-07	1.74E-07	6.42E-08	6.19E-08	1.26E-07
1982	566931.01	4216660.66	6.27E-07	6.25E-07	1.25E-06	5.44E-07	5.53E-07	1.10E-06	6.58E-08	8.97E-08	1.55E-07	5.73E-08	5.52E-08	1.12E-07
1983	566959.43	4216636.33	5.33E-07	5.31E-07	1.06E-06	4.62E-07	4.70E-07	9.33E-07	5.59E-08	7.62E-08	1.32E-07	4.87E-08	4.69E-08	9.56E-08
1984	566966.54	4216630.25	5.12E-07	5.10E-07	1.02E-06	4.44E-07	4.51E-07	8.95E-07	5.37E-08	7.31E-08	1.27E-07	4.67E-08	4.50E-08	9.18E-08

1985	566973.64	4216624.17	4.92E-07	4.90E-07	9.82E-07	4.27E-07	4.34E-07	8.60E-07	5.16E-08	7.03E-08	1.22E-07	4.49E-08	4.33E-08	8.82E-08
1986	566989.84	4216615.91	4.65E-07	4.63E-07	9.28E-07	4.03E-07	4.10E-07	8.13E-07	4.87E-08	6.64E-08	1.15E-07	4.24E-08	4.09E-08	8.33E-08
1987	567008.02	4216611.54	4.50E-07	4.49E-07	8.99E-07	3.91E-07	3.97E-07	7.88E-07	4.72E-08	6.44E-08	1.12E-07	4.11E-08	3.96E-08	8.08E-08
1988	567017.11	4216609.35	4.44E-07	4.42E-07	8.86E-07	3.85E-07	3.91E-07	7.76E-07	4.65E-08	6.34E-08	1.10E-07	4.05E-08	3.91E-08	7.96E-08
1989	567026.21	4216607.16	4.38E-07	4.36E-07	8.74E-07	3.80E-07	3.86E-07	7.66E-07	4.59E-08	6.26E-08	1.08E-07	4.00E-08	3.85E-08	7.85E-08
1990	567035.3	4216604.98	4.32E-07	4.31E-07	8.63E-07	3.75E-07	3.81E-07	7.56E-07	4.53E-08	6.18E-08	1.07E-07	3.95E-08	3.80E-08	7.75E-08
1991	567044.39	4216602.79	4.27E-07	4.25E-07	8.52E-07	3.70E-07	3.76E-07	7.47E-07	4.47E-08	6.10E-08	1.06E-07	3.90E-08	3.76E-08	7.65E-08
1992	567053.48	4216600.6	4.22E-07	4.20E-07	8.42E-07	3.66E-07	3.72E-07	7.38E-07	4.42E-08	6.03E-08	1.04E-07	3.85E-08	3.71E-08	7.56E-08
1993	567062.57	4216598.42	4.17E-07	4.15E-07	8.32E-07	3.61E-07	3.68E-07	7.29E-07	4.37E-08	5.96E-08	1.03E-07	3.81E-08	3.67E-08	7.47E-08
1994	567071.67	4216596.23	4.12E-07	4.11E-07	8.23E-07	3.58E-07	3.64E-07	7.21E-07	4.32E-08	5.89E-08	1.02E-07	3.76E-08	3.63E-08	7.39E-08
1995	567080.76	4216594.05	4.08E-07	4.07E-07	8.15E-07	3.54E-07	3.60E-07	7.14E-07	4.28E-08	5.83E-08	1.01E-07	3.73E-08	3.59E-08	7.32E-08
1996	566895.49	4216691.06	7.56E-07	7.53E-07	1.51E-06	6.56E-07	6.67E-07	1.32E-06	7.93E-08	1.08E-07	1.87E-07	6.90E-08	6.65E-08	1.36E-07
1997	566889.78	4216698.94	7.93E-07	7.91E-07	1.58E-06	6.88E-07	7.00E-07	1.39E-06	8.32E-08	1.13E-07	1.97E-07	7.25E-08	6.98E-08	1.42E-07
1998	566884.07	4216706.83	8.32E-07	8.30E-07	1.66E-06	7.22E-07	7.34E-07	1.46E-06	8.73E-08	1.19E-07	2.06E-07	7.60E-08	7.33E-08	1.49E-07
1999	566878.36	4216714.71	8.72E-07	8.69E-07	1.74E-06	7.56E-07	7.69E-07	1.53E-06	9.14E-08	1.25E-07	2.16E-07	7.96E-08	7.67E-08	1.56E-07
2000	566872.64	4216722.6	9.12E-07	9.09E-07	1.82E-06	7.91E-07	8.05E-07	1.60E-06	9.57E-08	1.30E-07	2.26E-07	8.33E-08	8.03E-08	1.64E-07
2001	566866.93	4216730.48	9.52E-07	9.49E-07	1.90E-06	8.26E-07	8.40E-07	1.67E-06	9.99E-08	1.36E-07	2.36E-07	8.70E-08	8.38E-08	1.71E-07
2002	566861.22	4216738.37	9.93E-07	9.90E-07	1.98E-06	8.61E-07	8.76E-07	1.74E-06	1.04E-07	1.42E-07	2.46E-07	9.07E-08	8.74E-08	1.78E-07
2003	566855.51	4216746.25	1.03E-06	1.03E-06	2.06E-06	8.96E-07	9.11E-07	1.81E-06	1.08E-07	1.48E-07	2.56E-07	9.44E-08	9.09E-08	1.85E-07
2004	566838.37	4216769.91	1.15E-06	1.15E-06	2.29E-06	9.97E-07	1.01E-06	2.01E-06	1.20E-07	1.64E-07	2.85E-07	1.05E-07	1.01E-07	2.06E-07
2005	566832.66	4216777.79	1.18E-06	1.18E-06	2.36E-06	1.03E-06	1.04E-06	2.07E-06	1.24E-07	1.69E-07	2.93E-07	1.08E-07	1.04E-07	2.12E-07
2006	566826.95	4216785.68	1.22E-06	1.21E-06	2.43E-06	1.06E-06	1.07E-06	2.13E-06	1.28E-07	1.74E-07	3.02E-07	1.11E-07	1.07E-07	2.18E-07
2007	566798.38	4216825.1	1.34E-06	1.33E-06	2.67E-06	1.16E-06	1.18E-06	2.34E-06	1.40E-07	1.91E-07	3.32E-07	1.22E-07	1.18E-07	2.40E-07
2008	566894.22	4216679.35	6.99E-07	6.97E-07	1.40E-06	6.07E-07	6.17E-07	1.22E-06	7.34E-08	1.00E-07	1.73E-07	6.39E-08	6.16E-08	1.25E-07
2009	566901.06	4216673.5	6.76E-07	6.74E-07	1.35E-06	5.86E-07	5.96E-07	1.18E-06	7.09E-08	9.66E-08	1.67E-07	6.17E-08	5.95E-08	1.21E-07
2010	566907.89	4216667.65	6.53E-07	6.51E-07	1.30E-06	5.66E-07	5.76E-07	1.14E-06	6.84E-08	9.33E-08	1.62E-07	5.96E-08	5.74E-08	1.17E-07
2011	566942.04	4216638.42	5.43E-07	5.42E-07	1.08E-06	4.71E-07	4.79E-07	9.50E-07	5.70E-08	7.77E-08	1.35E-07	4.96E-08	4.78E-08	9.74E-08
2012	566948.87	4216632.57	5.23E-07	5.21E-07	1.04E-06	4.54E-07	4.61E-07	9.15E-07	5.48E-08	7.47E-08	1.30E-07	4.78E-08	4.60E-08	9.38E-08
2013	566955.71	4216626.73	5.03E-07	5.01E-07	1.00E-06	4.36E-07	4.44E-07	8.80E-07	5.28E-08	7.19E-08	1.25E-07	4.59E-08	4.43E-08	9.02E-08
2014	566969.37	4216615.03	4.66E-07	4.65E-07	9.31E-07	4.04E-07	4.11E-07	8.16E-07	4.89E-08	6.66E-08	1.16E-07	4.26E-08	4.10E-08	8.36E-08
2015	566984.94	4216607.08	4.42E-07	4.41E-07	8.83E-07	3.84E-07	3.90E-07	7.74E-07	4.64E-08	6.32E-08	1.10E-07	4.04E-08	3.89E-08	7.93E-08
2016	567002.43	4216602.88	4.29E-07	4.28E-07	8.57E-07	3.72E-07	3.79E-07	7.51E-07	4.50E-08	6.13E-08	1.06E-07	3.92E-08	3.78E-08	7.70E-08
2017	567019.91	4216598.68	4.18E-07	4.17E-07	8.35E-07	3.63E-07	3.69E-07	7.31E-07	4.38E-08	5.97E-08	1.04E-07	3.82E-08	3.68E-08	7.50E-08
2018	567037.4	4216594.47	4.08E-07	4.06E-07	8.14E-07	3.54E-07	3.60E-07	7.13E-07	4.28E-08	5.83E-08	1.01E-07	3.72E-08	3.59E-08	7.31E-08
2019	567054.88	4216590.27	3.98E-07	3.97E-07	7.96E-07	3.46E-07	3.52E-07	6.97E-07	4.18E-08	5.70E-08	9.88E-08	3.64E-08	3.51E-08	7.15E-08
2020	567063.62	4216588.17	3.94E-07	3.93E-07	7.87E-07	3.42E-07	3.48E-07	6.90E-07	4.14E-08	5.64E-08	9.77E-08	3.60E-08	3.47E-08	7.07E-08
2021	566881.68	4216693.08	7.58E-07	7.56E-07	1.51E-06	6.58E-07	6.69E-07	1.33E-06	7.95E-08	1.08E-07	1.88E-07	6.92E-08	6.67E-08	1.36E-07
2022	566875.97	4216700.96	7.94E-07	7.91E-07	1.59E-06	6.89E-07	7.00E-07	1.39E-06	8.33E-08	1.13E-07	1.97E-07	7.25E-08	6.99E-08	1.42E-07
2023	566870.26	4216708.85	8.30E-07	8.28E-07	1.66E-06	7.20E-07	7.32E-07	1.45E-06	8.71E-08	1.19E-07	2.06E-07	7.58E-08	7.31E-08	1.49E-07
2024	566864.54	4216716.73	8.67E-07	8.64E-07	1.73E-06	7.52E-07	7.65E-07	1.52E-06	9.09E-08	1.24E-07	2.15E-07	7.92E-08	7.63E-08	1.56E-07
2025	566858.83	4216724.62	9.04E-07	9.02E-07	1.81E-06	7.85E-07	7.98E-07	1.58E-06	9.49E-08	1.29E-07	2.24E-07	8.26E-08	7.96E-08	1.62E-07
2026	566853.12	4216732.5	9.42E-07	9.39E-07	1.88E-06	8.17E-07	8.31E-07	1.65E-06	9.88E-08	1.35E-07	2.33E-07	8.60E-08	8.29E-08	1.69E-07
2027	566847.41	4216740.39	9.79E-07	9.76E-07	1.96E-06	8.49E-07	8.64E-07	1.71E-06	1.03E-07	1.40E-07	2.43E-07	8.94E-08	8.62E-08	1.76E-07
2028	566835.98	4216756.16	1.05E-06	1.05E-06	2.10E-06	9.12E-07	9.28E-07	1.84E-06	1.10E-07	1.50E-07	2.61E-07	9.61E-08	9.26E-08	1.89E-07
2029	566830.27	4216764.04	1.09E-06	1.08E-06	2.17E-06	9.42E-07	9.58E-07	1.90E-06	1.14E-07	1.55E-07	2.69E-07	9.92E-08	9.56E-08	1.95E-07
2030	566824.56	4216771.93	1.12E-06	1.12E-06	2.24E-06	9.71E-07	9.88E-07	1.96E-06	1.17E-07	1.60E-07	2.77E-07	1.02E-07	9.85E-08	2.01E-07
2031	566818.85	4216779.81	1.15E-06	1.15E-06	2.30E-06	9.98E-07	1.02E-06	2.01E-06	1.21E-07	1.64E-07	2.85E-07	1.05E-07	1.01E-07	2.06E-07
2032	566813.13	4216787.7	1.18E-06	1.18E-06	2.36E-06	1.02E-06	1.04E-06	2.06E-06	1.24E-07	1.69E-07	2.92E-07	1.08E-07	1.04E-07	2.12E-07
2033	566886.4	4216673.25	6.70E-07	6.68E-07	1.34E-06	5.81E-07	5.91E-07	1.17E-06	7.03E-08	9.58E-08	1.66E-07	6.12E-08	5.90E-08	1.20E-07
2034	566921.92	4216642.84	5.59E-07	5.58E-07	1.12E-06	4.85E-07	4.93E-07	9.79E-07	5.87E-08	8.00E-08	1.39E-07	5.11E-08	4.92E-08	1.00E-07
2035	566929.03	4216636.76	5.39E-07	5.37E-07	1.08E-06	4.68E-07	4.75E-07	9.43E-07	5.65E-08	7.70E-08	1.34E-07	4.92E-08	4.74E-08	9.67E-08
2036	566936.13	4216630.68	5.19E-07	5.17E-07	1.04E-06	4.50E-07	4.58E-07	9.08E-07	5.44E-08	7.42E-08	1.29E-07	4.74E-08	4.57E-08	9.31E-08
2037	566943.24	4216624.6	4.99E-07	4.97E-07	9.97E-07	4.33E-07	4.40E-07	8.73E-07	5.23E-08	7.13E-08	1.24E-07	4.56E-08	4.39E-08	8.95E-08
2038	566950.34	4216618.52	4.80E-07	4.78E-07	9.58E-07	4.16E-07	4.23E-07	8.40E-07	5.03E-08	6.86E-08	1.19E-07	4.38E-08	4.22E-08	8.61E-08
2039	566957.44	4216612.44	4.62E-07	4.60E-07	9.22E-07	4.00E-07	4.07E-07	8.08E-07	4.84E-08	6.60E-08	1.14E-07	4.22E-08	4.06E-08	8.28E-08
2040	566964.55	4216606.36	4.44E-07	4.43E-07	8.87E-07	3.85E-07	3.92E-07	7.77E-07	4.66E-08	6.35E-08	1.10E-07	4.06E-08	3.91E-08	7.96E-08
2041	566980.75	4216598.09	4.21E-07	4.19E-07	8.40E-07	3.65E-07	3.71E-07	7.36E-07	4.41E-08	6.02E-08	1.04E-07	3.84E-08	3.70E-08	7.55E-08
2042	567008.02	4216591.54	4.03E-07	4.01E-07	8.04E-07	3.49E-07	3.55E-07	7.04E-07	4.22E-08	5.76E-08	9.98E-08	3.68E-08	3.54E-08	7.22E-08
2043	567017.11	4216589.35	3.98E-07	3.96E-07	7.94E-07	3.45E-07	3.51E-07	6.96E-07	4.17E-08	5.68E-08	9.85E-08	3.63E-08	3.50E-08	7.13E-08
2044	567026.21	4216587.16	3.93E-07	3.91E-07	7.84E-07	3.41E-07	3.46E-07	6.87E-07	4.12E-08	5.61E-08	9.73E-08	3.59E-08	3.46E-08	7.04E-08
2045	567035.3	4216584.98	3.88E-07	3.86E-07	7.74E-07	3.36E-07	3.42E-07	6.78E-07	4.07E-08	5.54E-08	9.61E-08	3.54E-08	3.41E-08	6.95E-08
2046	567044.39	4216582.79	3.83E-07	3.82E-07	7.65E-07	3.32E-07	3.38E-07	6.70E-07	4.02E-08	5.47E-08	9.49E-08	3.50E-08	3.37E-08	6.87E-08
2047	567053.48	4216580.6	3.79E-07	3.77E-07	7.56E-07	3.28E-07	3.34E-07	6.62E-07	3.97E-08	5.41E-08	9.38E-08	3.46E-08	3.33E-08	6.79E-08
2048	567062.57	4216578.42	3.75E-07	3.74E-07	7.48E-07	3.25E-07	3.31E-07	6.56E-07	3.93E-08	5.36E-08	9.29E-08	3.42E-08	3.30E-08	6.72E-08
2049	567071.67	4216576.23	3.71E-07	3.70E-07	7.42E-07	3.22E-07	3.28E-07	6.50E-07	3.89E-08	5.31E-08	9.20E-08	3.39E-08	3.27E-08	6.66E-08
2050	567080.76	4216574.05	3.68E-07	3.67E-07	7.35E-07	3.19E-07	3.25E-07	6.44E-07	3.86E-08	5.26E-08	9.12E-08	3.36E-08	3.24E-08	6.60E-08
2051	566879.3	4216679.33	6.93E-07	6.91E-07	1.38E-06	6.01E-07	6.11E-07	1.21E-06	7.27E-08	9.91E-08	1.72E-07	6.33E-08	6.10E-08	1.24E-07
2052	566873.58	4216687.21	7.25E-07	7.23E-07	1.45E-06	6.29E-07	6.40E-07	1.27E-06	7.61E-08	1.04E-07	1.80E-07	6.62E-08	6.38E-08	1.30E-07
2053	566867.87	4216695.1	7.58E-07	7.56E-07	1.51E-06	6.58E-07	6.69E-07	1.33E-06	7.95E-08	1.08E-07	1.88E-07	6.92E-08	6.67E-08	1.36E-07
2054	566862.16	4216702.98	7.91E-07	7.89E-07	1.58E-06	6.87E-07	6.98E-07	1.38E-06	8.30E-08	1.13E-07	1.96E-07	7.23E-08	6.97E-08	1.42E-07
2055	566856.45	4216710.87	8.26E-07	8.23E-07	1.65E-06	7.16E-07	7.28E-07	1.44E-06	8.66E-08	1.18E-07	2.05E-07	7.54E-08	7.27E-08	1.48E-07

2056	566850.73	4216718.75	8.60E-07	8.57E-07	1.72E-06	7.46E-07	7.59E-07	1.51E-06	9.02E-08	1.23E-07	2.13E-07	7.86E-08	7.57E-08	1.54E-07
2057	566845.02	4216726.64	8.95E-07	8.92E-07	1.79E-06	7.76E-07	7.89E-07	1.57E-06	9.39E-08	1.28E-07	2.22E-07	8.17E-08	7.88E-08	1.61E-07
2058	566827.89	4216750.29	9.97E-07	9.94E-07	1.99E-06	8.65E-07	8.79E-07	1.74E-06	1.05E-07	1.43E-07	2.47E-07	9.11E-08	8.78E-08	1.79E-07
2059	566822.17	4216758.18	1.03E-06	1.03E-06	2.06E-06	8.93E-07	9.08E-07	1.80E-06	1.08E-07	1.47E-07	2.55E-07	9.40E-08	9.06E-08	1.85E-07
2060	566816.46	4216766.06	1.06E-06	1.06E-06	2.12E-06	9.20E-07	9.35E-07	1.86E-06	1.11E-07	1.52E-07	2.63E-07	9.69E-08	9.33E-08	1.90E-07
2061	566810.75	4216773.95	1.09E-06	1.09E-06	2.18E-06	9.45E-07	9.61E-07	1.91E-06	1.14E-07	1.56E-07	2.70E-07	9.95E-08	9.59E-08	1.95E-07
2062	566805.04	4216781.83	1.12E-06	1.11E-06	2.23E-06	9.69E-07	9.85E-07	1.95E-06	1.17E-07	1.60E-07	2.77E-07	1.02E-07	9.83E-08	2.00E-07
2063	566799.32	4216789.72	1.14E-06	1.14E-06	2.28E-06	9.91E-07	1.01E-06	2.00E-06	1.20E-07	1.63E-07	2.83E-07	1.04E-07	1.01E-07	2.05E-07
2064	566793.61	4216797.6	1.16E-06	1.16E-06	2.32E-06	1.01E-06	1.03E-06	2.04E-06	1.22E-07	1.66E-07	2.88E-07	1.06E-07	1.02E-07	2.09E-07
2065	566900.71	4216648.2	5.76E-07	5.75E-07	1.15E-06	5.00E-07	5.08E-07	1.01E-06	6.05E-08	8.24E-08	1.43E-07	5.26E-08	5.07E-08	1.03E-07
2066	566922.84	4216629.26	5.15E-07	5.14E-07	1.03E-06	4.47E-07	4.55E-07	9.02E-07	5.40E-08	7.37E-08	1.28E-07	4.71E-08	4.54E-08	9.24E-08
2067	566930.22	4216622.94	4.96E-07	4.94E-07	9.90E-07	4.30E-07	4.38E-07	8.68E-07	5.20E-08	7.09E-08	1.23E-07	4.53E-08	4.37E-08	8.90E-08
2068	566937.6	4216616.63	4.77E-07	4.76E-07	9.53E-07	4.14E-07	4.21E-07	8.35E-07	5.00E-08	6.82E-08	1.18E-07	4.36E-08	4.20E-08	8.56E-08
2069	566944.97	4216610.32	4.59E-07	4.57E-07	9.16E-07	3.98E-07	4.05E-07	8.03E-07	4.81E-08	6.56E-08	1.14E-07	4.19E-08	4.04E-08	8.23E-08
2070	566952.35	4216604	4.41E-07	4.39E-07	8.80E-07	3.82E-07	3.89E-07	7.71E-07	4.62E-08	6.30E-08	1.09E-07	4.03E-08	3.88E-08	7.91E-08
2071	566959.73	4216597.69	4.24E-07	4.22E-07	8.46E-07	3.68E-07	3.74E-07	7.41E-07	4.44E-08	6.06E-08	1.05E-07	3.87E-08	3.73E-08	7.60E-08
2072	566976.55	4216589.1	4.01E-07	4.00E-07	8.01E-07	3.48E-07	3.54E-07	7.02E-07	4.21E-08	5.73E-08	9.94E-08	3.66E-08	3.53E-08	7.19E-08
2073	567004.87	4216582.29	3.83E-07	3.82E-07	7.65E-07	3.33E-07	3.38E-07	6.71E-07	4.02E-08	5.48E-08	9.50E-08	3.50E-08	3.37E-08	6.88E-08
2074	567014.32	4216580.02	3.79E-07	3.77E-07	7.56E-07	3.28E-07	3.34E-07	6.62E-07	3.97E-08	5.41E-08	9.38E-08	3.46E-08	3.33E-08	6.79E-08
2075	567023.76	4216577.75	3.74E-07	3.73E-07	7.47E-07	3.25E-07	3.30E-07	6.55E-07	3.92E-08	5.35E-08	9.27E-08	3.42E-08	3.29E-08	6.71E-08
2076	567033.2	4216575.48	3.69E-07	3.68E-07	7.37E-07	3.20E-07	3.26E-07	6.46E-07	3.87E-08	5.28E-08	9.15E-08	3.37E-08	3.25E-08	6.62E-08
2077	567042.64	4216573.21	3.65E-07	3.64E-07	7.28E-07	3.16E-07	3.22E-07	6.38E-07	3.82E-08	5.21E-08	9.04E-08	3.33E-08	3.21E-08	6.54E-08
2078	567052.08	4216570.94	3.61E-07	3.59E-07	7.20E-07	3.13E-07	3.18E-07	6.31E-07	3.78E-08	5.15E-08	8.94E-08	3.29E-08	3.17E-08	6.47E-08
2079	567061.52	4216568.67	3.57E-07	3.56E-07	7.13E-07	3.10E-07	3.15E-07	6.24E-07	3.74E-08	5.10E-08	8.85E-08	3.26E-08	3.14E-08	6.40E-08
2080	567070.97	4216566.4	3.54E-07	3.52E-07	7.06E-07	3.07E-07	3.12E-07	6.19E-07	3.71E-08	5.05E-08	8.76E-08	3.23E-08	3.11E-08	6.34E-08
2081	567080.41	4216564.13	3.50E-07	3.49E-07	7.00E-07	3.04E-07	3.09E-07	6.13E-07	3.67E-08	5.01E-08	8.68E-08	3.20E-08	3.08E-08	6.28E-08
2082	566865.48	4216681.34	6.94E-07	6.92E-07	1.39E-06	6.02E-07	6.12E-07	1.21E-06	7.28E-08	9.92E-08	1.72E-07	6.34E-08	6.11E-08	1.24E-07
2083	566859.77	4216689.23	7.25E-07	7.22E-07	1.45E-06	6.29E-07	6.39E-07	1.27E-06	7.60E-08	1.04E-07	1.80E-07	6.62E-08	6.38E-08	1.30E-07
2084	566854.06	4216697.11	7.56E-07	7.53E-07	1.51E-06	6.56E-07	6.67E-07	1.32E-06	7.93E-08	1.08E-07	1.87E-07	6.90E-08	6.65E-08	1.36E-07
2085	566848.35	4216705	7.87E-07	7.85E-07	1.57E-06	6.83E-07	6.95E-07	1.38E-06	8.26E-08	1.13E-07	1.95E-07	7.19E-08	6.93E-08	1.41E-07
2086	566842.64	4216712.88	8.19E-07	8.17E-07	1.64E-06	7.11E-07	7.23E-07	1.43E-06	8.59E-08	1.17E-07	2.03E-07	7.48E-08	7.21E-08	1.47E-07
2087	566825.5	4216736.54	9.15E-07	9.13E-07	1.83E-06	7.94E-07	8.08E-07	1.60E-06	9.60E-08	1.31E-07	2.27E-07	8.36E-08	8.06E-08	1.64E-07
2088	566819.79	4216744.42	9.47E-07	9.44E-07	1.89E-06	8.21E-07	8.35E-07	1.66E-06	9.93E-08	1.35E-07	2.35E-07	8.65E-08	8.33E-08	1.70E-07
2089	566814.07	4216752.31	9.77E-07	9.74E-07	1.95E-06	8.48E-07	8.62E-07	1.71E-06	1.02E-07	1.40E-07	2.42E-07	8.92E-08	8.60E-08	1.75E-07
2090	566808.36	4216760.19	1.01E-06	1.00E-06	2.01E-06	8.73E-07	8.87E-07	1.76E-06	1.05E-07	1.44E-07	2.49E-07	9.19E-08	8.85E-08	1.80E-07
2091	566802.65	4216768.08	1.03E-06	1.03E-06	2.06E-06	8.97E-07	9.12E-07	1.81E-06	1.08E-07	1.48E-07	2.56E-07	9.44E-08	9.10E-08	1.85E-07
2092	566796.94	4216775.96	1.06E-06	1.06E-06	2.11E-06	9.19E-07	9.34E-07	1.85E-06	1.11E-07	1.51E-07	2.62E-07	9.67E-08	9.32E-08	1.90E-07
2093	566791.23	4216783.85	1.08E-06	1.08E-06	2.16E-06	9.39E-07	9.55E-07	1.89E-06	1.14E-07	1.55E-07	2.68E-07	9.89E-08	9.53E-08	1.94E-07
2094	566785.51	4216791.73	1.10E-06	1.10E-06	2.20E-06	9.58E-07	9.74E-07	1.93E-06	1.16E-07	1.58E-07	2.74E-07	1.01E-07	9.72E-08	1.98E-07
2095	566779.8	4216799.62	1.12E-06	1.12E-06	2.24E-06	9.74E-07	9.90E-07	1.96E-06	1.18E-07	1.60E-07	2.78E-07	1.03E-07	9.88E-08	2.01E-07
2096	566877.31	4216655.43	5.98E-07	5.96E-07	1.19E-06	5.19E-07	5.27E-07	1.05E-06	6.27E-08	8.55E-08	1.48E-07	5.46E-08	5.26E-08	1.07E-07
2097	566884.41	4216649.35	5.78E-07	5.76E-07	1.15E-06	5.02E-07	5.10E-07	1.01E-06	6.06E-08	8.26E-08	1.43E-07	5.28E-08	5.09E-08	1.04E-07
2098	566891.52	4216643.27	5.59E-07	5.57E-07	1.12E-06	4.85E-07	4.93E-07	9.77E-07	5.86E-08	7.99E-08	1.38E-07	5.10E-08	4.92E-08	1.00E-07
2099	566898.62	4216637.19	5.39E-07	5.38E-07	1.08E-06	4.68E-07	4.76E-07	9.44E-07	5.66E-08	7.71E-08	1.34E-07	4.93E-08	4.75E-08	9.68E-08
2100	566919.93	4216618.95	4.85E-07	4.84E-07	9.69E-07	4.21E-07	4.28E-07	8.49E-07	5.09E-08	6.94E-08	1.20E-07	4.43E-08	4.27E-08	8.70E-08
2101	566927.04	4216612.87	4.68E-07	4.67E-07	9.35E-07	4.06E-07	4.13E-07	8.19E-07	4.91E-08	6.69E-08	1.16E-07	4.28E-08	4.12E-08	8.40E-08
2102	566934.14	4216606.79	4.51E-07	4.50E-07	9.02E-07	3.92E-07	3.98E-07	7.90E-07	4.74E-08	6.45E-08	1.12E-07	4.12E-08	3.97E-08	8.10E-08
2103	566941.25	4216600.71	4.35E-07	4.33E-07	8.68E-07	3.77E-07	3.84E-07	7.61E-07	4.56E-08	6.22E-08	1.08E-07	3.97E-08	3.83E-08	7.80E-08
2104	566948.35	4216594.63	4.19E-07	4.18E-07	8.36E-07	3.63E-07	3.70E-07	7.33E-07	4.39E-08	5.99E-08	1.04E-07	3.83E-08	3.69E-08	7.51E-08
2105	566955.46	4216588.55	4.04E-07	4.02E-07	8.06E-07	3.50E-07	3.56E-07	7.06E-07	4.23E-08	5.77E-08	1.00E-07	3.69E-08	3.55E-08	7.24E-08
2106	566971.65	4216580.28	3.83E-07	3.82E-07	7.65E-07	3.33E-07	3.38E-07	6.71E-07	4.02E-08	5.48E-08	9.50E-08	3.50E-08	3.37E-08	6.88E-08
2107	566998.93	4216573.72	3.67E-07	3.66E-07	7.33E-07	3.18E-07	3.24E-07	6.42E-07	3.85E-08	5.24E-08	9.09E-08	3.35E-08	3.23E-08	6.58E-08
2108	567008.02	4216571.54	3.63E-07	3.61E-07	7.24E-07	3.15E-07	3.20E-07	6.34E-07	3.80E-08	5.18E-08	8.99E-08	3.31E-08	3.19E-08	6.50E-08
2109	567017.11	4216569.35	3.58E-07	3.57E-07	7.16E-07	3.11E-07	3.16E-07	6.27E-07	3.76E-08	5.12E-08	8.88E-08	3.27E-08	3.15E-08	6.43E-08
2110	567026.21	4216567.16	3.54E-07	3.53E-07	7.08E-07	3.07E-07	3.13E-07	6.20E-07	3.72E-08	5.06E-08	8.78E-08	3.24E-08	3.12E-08	6.36E-08
2111	567035.3	4216564.98	3.50E-07	3.49E-07	6.99E-07	3.04E-07	3.09E-07	6.13E-07	3.67E-08	5.01E-08	8.68E-08	3.20E-08	3.08E-08	6.28E-08
2112	567044.39	4216562.79	3.46E-07	3.45E-07	6.92E-07	3.01E-07	3.06E-07	6.06E-07	3.63E-08	4.95E-08	8.58E-08	3.16E-08	3.05E-08	6.21E-08
2113	567053.48	4216560.6	3.43E-07	3.42E-07	6.85E-07	2.98E-07	3.03E-07	6.00E-07	3.60E-08	4.90E-08	8.50E-08	3.13E-08	3.02E-08	6.15E-08
2114	567062.57	4216558.42	3.40E-07	3.39E-07	6.78E-07	2.95E-07	3.00E-07	5.94E-07	3.56E-08	4.86E-08	8.42E-08	3.10E-08	2.99E-08	6.09E-08
2115	567071.67	4216556.23	3.37E-07	3.36E-07	6.72E-07	2.92E-07	2.97E-07	5.89E-07	3.53E-08	4.81E-08	8.34E-08	3.08E-08	2.96E-08	6.04E-08
2116	567080.76	4216554.05	3.34E-07	3.33E-07	6.67E-07	2.90E-07	2.94E-07	5.84E-07	3.50E-08	4.77E-08	8.27E-08	3.05E-08	2.94E-08	5.99E-08
2117	566851.67	4216683.36	6.93E-07	6.91E-07	1.38E-06	6.02E-07	6.12E-07	1.21E-06	7.27E-08	9.91E-08	1.72E-07	6.33E-08	6.10E-08	1.24E-07
2118	566845.96	4216691.25	7.22E-07	7.20E-07	1.44E-06	6.27E-07	6.37E-07	1.26E-06	7.58E-08	1.03E-07	1.79E-07	6.60E-08	6.36E-08	1.30E-07
2119	566840.25	4216699.13	7.52E-07	7.49E-07	1.50E-06	6.52E-07	6.63E-07	1.32E-06	7.88E-08	1.07E-07	1.86E-07	6.87E-08	6.62E-08	1.35E-07
2120	566823.11	4216722.79	8.41E-07	8.39E-07	1.68E-06	7.30E-07	7.42E-07	1.47E-06	8.83E-08	1.20E-07	2.09E-07	7.69E-08	7.41E-08	1.51E-07
2121	566817.4	4216730.67	8.71E-07	8.68E-07	1.74E-06	7.56E-07	7.68E-07	1.52E-06	9.14E-08	1.25E-07	2.16E-07	7.96E-08	7.67E-08	1.56E-07
2122	566811.69	4216738.56	9.00E-07	8.97E-07	1.80E-06	7.81E-07	7.94E-07	1.58E-06	9.44E-08	1.29E-07	2.23E-07	8.22E-08	7.92E-08	1.61E-07
2123	566805.98	4216746.44	9.29E-07	9.26E-07	1.85E-06	8.06E-07	8.19E-07	1.62E-06	9.74E-08	1.33E-07	2.30E-07	8.48E-08	8.17E-08	1.67E-07
2124	566800.26	4216754.33	9.56E-07	9.53E-07	1.91E-06	8.29E-07	8.43E-07	1.67E-06	1.00E-07	1.37E-07	2.37E-07	8.73E-08	8.41E-08	1.71E-07
2125	566794.55	4216762.21	9.82E-07	9.79E-07	1.96E-06	8.52E-07	8.66E-07	1.72E-06	1.03E-07	1.40E-07	2.43E-07	8.97E-08	8.64E-08	1.76E-07
2126	566788.84	4216770.1	1.01E-06	1.00E-06	2.01E-06	8.73E-07	8.87E-07	1.76E-06	1.06E-07	1.44E-07	2.49E-07	9.19E-08	8.85E-08	1.80E-07

2127	566783.13	4216777.98	1.03E-06	1.03E-06	2.05E-06	8.92E-07	9.07E-07	1.80E-06	1.08E-07	1.47E-07	2.55E-07	9.39E-08	9.05E-08	1.84E-07
2128	566777.42	4216785.87	1.05E-06	1.05E-06	2.09E-06	9.10E-07	9.25E-07	1.83E-06	1.10E-07	1.50E-07	2.60E-07	9.58E-08	9.23E-08	1.88E-07
2129	566771.7	4216793.75	1.07E-06	1.06E-06	2.13E-06	9.25E-07	9.41E-07	1.87E-06	1.12E-07	1.52E-07	2.64E-07	9.74E-08	9.39E-08	1.91E-07
2130	566765.99	4216801.64	1.08E-06	1.08E-06	2.16E-06	9.39E-07	9.54E-07	1.89E-06	1.13E-07	1.55E-07	2.68E-07	9.88E-08	9.52E-08	1.94E-07
2131	566862.36	4216655.43	5.93E-07	5.91E-07	1.18E-06	5.15E-07	5.23E-07	1.04E-06	6.22E-08	8.48E-08	1.47E-07	5.42E-08	5.22E-08	1.06E-07
2132	566869.72	4216649.13	5.74E-07	5.72E-07	1.15E-06	4.98E-07	5.06E-07	1.00E-06	6.02E-08	8.21E-08	1.42E-07	5.24E-08	5.05E-08	1.03E-07
2133	566877.08	4216642.83	5.55E-07	5.53E-07	1.11E-06	4.82E-07	4.90E-07	9.71E-07	5.82E-08	7.93E-08	1.38E-07	5.07E-08	4.89E-08	9.96E-08
2134	566884.43	4216636.53	5.36E-07	5.35E-07	1.07E-06	4.65E-07	4.73E-07	9.38E-07	5.62E-08	7.67E-08	1.33E-07	4.90E-08	4.72E-08	9.62E-08
2135	566891.79	4216630.24	5.18E-07	5.16E-07	1.03E-06	4.49E-07	4.57E-07	9.06E-07	5.43E-08	7.40E-08	1.28E-07	4.73E-08	4.56E-08	9.29E-08
2136	566913.87	4216611.34	4.65E-07	4.63E-07	9.28E-07	4.03E-07	4.10E-07	8.14E-07	4.88E-08	6.65E-08	1.15E-07	4.25E-08	4.09E-08	8.34E-08
2137	566921.22	4216605.05	4.48E-07	4.47E-07	8.95E-07	3.89E-07	3.96E-07	7.85E-07	4.70E-08	6.41E-08	1.11E-07	4.10E-08	3.95E-08	8.04E-08
2138	566928.58	4216598.75	4.32E-07	4.31E-07	8.63E-07	3.75E-07	3.81E-07	7.56E-07	4.53E-08	6.18E-08	1.07E-07	3.95E-08	3.80E-08	7.75E-08
2139	566935.94	4216592.45	4.16E-07	4.15E-07	8.31E-07	3.61E-07	3.67E-07	7.28E-07	4.36E-08	5.95E-08	1.03E-07	3.80E-08	3.66E-08	7.46E-08
2140	566943.3	4216586.15	4.01E-07	3.99E-07	8.00E-07	3.48E-07	3.53E-07	7.01E-07	4.20E-08	5.73E-08	9.93E-08	3.66E-08	3.53E-08	7.19E-08
2141	566950.66	4216579.86	3.86E-07	3.85E-07	7.71E-07	3.35E-07	3.41E-07	6.75E-07	4.05E-08	5.52E-08	9.57E-08	3.53E-08	3.40E-08	6.92E-08
2142	566967.43	4216571.29	3.66E-07	3.65E-07	7.32E-07	3.18E-07	3.23E-07	6.41E-07	3.84E-08	5.24E-08	9.08E-08	3.35E-08	3.23E-08	6.57E-08
2143	566976.85	4216569.03	3.61E-07	3.60E-07	7.20E-07	3.13E-07	3.18E-07	6.31E-07	3.78E-08	5.16E-08	8.94E-08	3.30E-08	3.18E-08	6.47E-08
2144	566995.68	4216564.5	3.50E-07	3.49E-07	7.00E-07	3.04E-07	3.09E-07	6.13E-07	3.68E-08	5.01E-08	8.69E-08	3.20E-08	3.09E-08	6.29E-08
2145	567005.1	4216562.24	3.46E-07	3.45E-07	6.91E-07	3.00E-07	3.05E-07	6.06E-07	3.63E-08	4.95E-08	8.58E-08	3.16E-08	3.05E-08	6.21E-08
2146	567014.52	4216559.97	3.42E-07	3.41E-07	6.83E-07	2.97E-07	3.02E-07	5.99E-07	3.59E-08	4.89E-08	8.48E-08	3.12E-08	3.01E-08	6.14E-08
2147	567023.93	4216557.71	3.38E-07	3.37E-07	6.75E-07	2.93E-07	2.98E-07	5.92E-07	3.55E-08	4.83E-08	8.38E-08	3.09E-08	2.98E-08	6.07E-08
2148	567033.35	4216555.45	3.34E-07	3.33E-07	6.68E-07	2.90E-07	2.95E-07	5.85E-07	3.51E-08	4.78E-08	8.29E-08	3.05E-08	2.94E-08	6.00E-08
2149	567042.77	4216553.18	3.31E-07	3.30E-07	6.61E-07	2.87E-07	2.92E-07	5.79E-07	3.47E-08	4.73E-08	8.20E-08	3.02E-08	2.91E-08	5.93E-08
2150	567052.18	4216550.92	3.28E-07	3.27E-07	6.54E-07	2.84E-07	2.89E-07	5.73E-07	3.44E-08	4.68E-08	8.12E-08	2.99E-08	2.88E-08	5.88E-08
2151	567061.6	4216548.65	3.24E-07	3.23E-07	6.48E-07	2.81E-07	2.86E-07	5.68E-07	3.40E-08	4.64E-08	8.04E-08	2.96E-08	2.86E-08	5.82E-08
2152	567071.02	4216546.39	3.21E-07	3.20E-07	6.42E-07	2.79E-07	2.84E-07	5.62E-07	3.37E-08	4.60E-08	7.97E-08	2.94E-08	2.83E-08	5.77E-08
2153	567080.43	4216544.12	3.19E-07	3.18E-07	6.36E-07	2.76E-07	2.81E-07	5.58E-07	3.34E-08	4.56E-08	7.90E-08	2.91E-08	2.81E-08	5.72E-08
2154	566855	4216661.73	6.12E-07	6.10E-07	1.22E-06	5.31E-07	5.40E-07	1.07E-06	6.42E-08	8.75E-08	1.52E-07	5.59E-08	5.39E-08	1.10E-07
2155	566837.86	4216685.38	6.91E-07	6.89E-07	1.38E-06	6.00E-07	6.10E-07	1.21E-06	7.25E-08	9.88E-08	1.71E-07	6.31E-08	6.09E-08	1.24E-07
2156	566820.73	4216709.04	7.75E-07	7.72E-07	1.55E-06	6.72E-07	6.83E-07	1.36E-06	8.12E-08	1.11E-07	1.92E-07	7.07E-08	6.82E-08	1.39E-07
2157	566815.02	4216716.92	8.02E-07	8.00E-07	1.60E-06	6.96E-07	7.08E-07	1.40E-06	8.42E-08	1.15E-07	1.99E-07	7.33E-08	7.06E-08	1.44E-07
2158	566809.3	4216724.81	8.30E-07	8.28E-07	1.66E-06	7.20E-07	7.32E-07	1.45E-06	8.71E-08	1.19E-07	2.06E-07	7.58E-08	7.31E-08	1.49E-07
2159	566803.59	4216732.69	8.57E-07	8.55E-07	1.71E-06	7.44E-07	7.56E-07	1.50E-06	8.99E-08	1.23E-07	2.12E-07	7.83E-08	7.55E-08	1.54E-07
2160	566797.88	4216740.58	8.84E-07	8.81E-07	1.77E-06	7.67E-07	7.80E-07	1.55E-06	9.27E-08	1.26E-07	2.19E-07	8.07E-08	7.78E-08	1.59E-07
2161	566792.17	4216748.46	9.10E-07	9.07E-07	1.82E-06	7.89E-07	8.02E-07	1.59E-06	9.54E-08	1.30E-07	2.25E-07	8.31E-08	8.01E-08	1.63E-07
2162	566786.45	4216756.35	9.34E-07	9.31E-07	1.86E-06	8.10E-07	8.24E-07	1.63E-06	9.80E-08	1.34E-07	2.31E-07	8.53E-08	8.22E-08	1.68E-07
2163	566780.74	4216764.23	9.57E-07	9.54E-07	1.91E-06	8.30E-07	8.44E-07	1.67E-06	1.00E-07	1.37E-07	2.37E-07	8.74E-08	8.42E-08	1.72E-07
2164	566775.03	4216772.12	9.78E-07	9.75E-07	1.95E-06	8.49E-07	8.63E-07	1.71E-06	1.03E-07	1.40E-07	2.42E-07	8.93E-08	8.61E-08	1.75E-07
2165	566769.32	4216780	9.97E-07	9.94E-07	1.99E-06	8.65E-07	8.80E-07	1.75E-06	1.05E-07	1.43E-07	2.47E-07	9.11E-08	8.78E-08	1.79E-07
2166	566763.61	4216787.89	1.01E-06	1.01E-06	2.03E-06	8.80E-07	8.95E-07	1.78E-06	1.06E-07	1.45E-07	2.51E-07	9.27E-08	8.93E-08	1.82E-07
2167	566757.89	4216795.77	1.03E-06	1.03E-06	2.06E-06	8.93E-07	9.08E-07	1.80E-06	1.08E-07	1.47E-07	2.55E-07	9.40E-08	9.06E-08	1.85E-07
2168	566854.01	4216649.78	5.71E-07	5.69E-07	1.14E-06	4.95E-07	5.04E-07	9.99E-07	5.99E-08	8.16E-08	1.42E-07	5.22E-08	5.03E-08	1.02E-07
2169	566861.11	4216643.7	5.54E-07	5.52E-07	1.11E-06	4.81E-07	4.89E-07	9.69E-07	5.81E-08	7.92E-08	1.37E-07	5.06E-08	4.88E-08	9.93E-08
2170	566868.22	4216637.62	5.37E-07	5.35E-07	1.07E-06	4.66E-07	4.74E-07	9.39E-07	5.63E-08	7.68E-08	1.33E-07	4.90E-08	4.73E-08	9.63E-08
2171	566875.32	4216631.54	5.20E-07	5.19E-07	1.04E-06	4.51E-07	4.59E-07	9.10E-07	5.46E-08	7.44E-08	1.29E-07	4.75E-08	4.58E-08	9.33E-08
2172	566882.42	4216625.46	5.03E-07	5.02E-07	1.01E-06	4.37E-07	4.44E-07	8.81E-07	5.28E-08	7.20E-08	1.25E-07	4.60E-08	4.43E-08	9.03E-08
2173	566889.53	4216619.38	4.87E-07	4.85E-07	9.72E-07	4.22E-07	4.29E-07	8.52E-07	5.11E-08	6.96E-08	1.21E-07	4.45E-08	4.29E-08	8.73E-08
2174	566910.84	4216601.13	4.40E-07	4.38E-07	8.78E-07	3.81E-07	3.88E-07	7.69E-07	4.61E-08	6.28E-08	1.09E-07	4.02E-08	3.87E-08	7.88E-08
2175	566917.95	4216595.05	4.25E-07	4.23E-07	8.48E-07	3.68E-07	3.75E-07	7.43E-07	4.45E-08	6.07E-08	1.05E-07	3.88E-08	3.74E-08	7.62E-08
2176	566925.05	4216588.97	4.10E-07	4.09E-07	8.18E-07	3.56E-07	3.62E-07	7.17E-07	4.30E-08	5.86E-08	1.02E-07	3.74E-08	3.61E-08	7.35E-08
2177	566932.16	4216582.89	3.95E-07	3.94E-07	7.90E-07	3.43E-07	3.49E-07	6.92E-07	4.15E-08	5.65E-08	9.80E-08	3.61E-08	3.48E-08	7.09E-08
2178	566939.26	4216576.81	3.82E-07	3.80E-07	7.62E-07	3.31E-07	3.37E-07	6.68E-07	4.00E-08	5.46E-08	9.46E-08	3.49E-08	3.36E-08	6.85E-08
2179	566946.36	4216570.73	3.69E-07	3.68E-07	7.36E-07	3.20E-07	3.25E-07	6.45E-07	3.87E-08	5.27E-08	9.14E-08	3.37E-08	3.25E-08	6.61E-08
2180	566962.56	4216562.47	3.51E-07	3.50E-07	7.01E-07	3.04E-07	3.10E-07	6.14E-07	3.68E-08	5.02E-08	8.70E-08	3.21E-08	3.09E-08	6.30E-08
2181	566971.65	4216560.28	3.46E-07	3.45E-07	6.91E-07	3.00E-07	3.05E-07	6.05E-07	3.63E-08	4.94E-08	8.57E-08	3.16E-08	3.05E-08	6.20E-08
2182	566989.84	4216555.91	3.37E-07	3.36E-07	6.72E-07	2.92E-07	2.97E-07	5.89E-07	3.53E-08	4.81E-08	8.34E-08	3.07E-08	2.96E-08	6.04E-08
2183	566998.93	4216553.72	3.32E-07	3.31E-07	6.64E-07	2.88E-07	2.93E-07	5.82E-07	3.49E-08	4.75E-08	8.24E-08	3.04E-08	2.93E-08	5.96E-08
2184	567008.02	4216551.54	3.29E-07	3.28E-07	6.56E-07	2.85E-07	2.90E-07	5.75E-07	3.45E-08	4.70E-08	8.14E-08	3.00E-08	2.89E-08	5.89E-08
2185	567017.11	4216549.35	3.25E-07	3.24E-07	6.49E-07	2.82E-07	2.87E-07	5.69E-07	3.41E-08	4.64E-08	8.05E-08	2.97E-08	2.86E-08	5.83E-08
2186	567026.21	4216547.16	3.21E-07	3.20E-07	6.42E-07	2.79E-07	2.84E-07	5.62E-07	3.37E-08	4.59E-08	7.97E-08	2.94E-08	2.83E-08	5.77E-08
2187	567035.3	4216544.98	3.18E-07	3.17E-07	6.35E-07	2.76E-07	2.81E-07	5.57E-07	3.34E-08	4.55E-08	7.89E-08	2.91E-08	2.80E-08	5.71E-08
2188	567044.39	4216542.79	3.15E-07	3.14E-07	6.29E-07	2.73E-07	2.78E-07	5.51E-07	3.31E-08	4.51E-08	7.81E-08	2.88E-08	2.77E-08	5.65E-08
2189	567053.48	4216540.6	3.12E-07	3.11E-07	6.24E-07	2.71E-07	2.76E-07	5.47E-07	3.28E-08	4.47E-08	7.74E-08	2.85E-08	2.75E-08	5.60E-08
2190	567062.57	4216538.42	3.10E-07	3.09E-07	6.18E-07	2.69E-07	2.73E-07	5.42E-07	3.25E-08	4.43E-08	7.67E-08	2.83E-08	2.73E-08	5.55E-08
2191	567071.67	4216536.23	3.07E-07	3.06E-07	6.13E-07	2.66E-07	2.71E-07	5.37E-07	3.22E-08	4.39E-08	7.61E-08	2.80E-08	2.70E-08	5.51E-08
2192	567080.76	4216534.05	3.05E-07	3.04E-07	6.08E-07	2.64E-07	2.69E-07	5.33E-07	3.20E-08	4.36E-08	7.55E-08	2.78E-08	2.68E-08	5.47E-08
2193	566846.9	4216655.86	5.88E-07	5.86E-07	1.17E-06	5.10E-07	5.19E-07	1.03E-06	6.17E-08	8.41E-08	1.46E-07	5.37E-08	5.18E-08	1.06E-07
2194	566841.19	4216663.74	6.13E-07	6.11E-07	1.22E-06	5.31E-07	5.40E-07	1.07E-06	6.42E-08	8.76E-08	1.52E-07	5.60E-08	5.39E-08	1.10E-07
2195	566818.34	4216695.28	7.14E-07	7.12E-07	1.43E-06	6.19E-07	6.30E-07	1.25E-06	7.49E-08	1.02E-07	1.77E-07	6.52E-08	6.28E-08	1.28E-07
2196	566812.63	4216703.17	7.40E-07	7.38E-07	1.48E-06	6.42E-07	6.53E-07	1.29E-06	7.76E-08	1.06E-07	1.83E-07	6.76E-08	6.51E-08	1.33E-07
2197	566806.92	4216711.05	7.66E-07	7.64E-07	1.53E-06	6.65E-07	6.76E-07	1.34E-06	8.04E-08	1.10E-07	1.90E-07	7.00E-08	6.74E-08	1.37E-07

2198	566801.2	4216718.94	7.92E-07	7.90E-07	1.58E-06	6.87E-07	6.99E-07	1.39E-06	8.31E-08	1.13E-07	1.96E-07	7.24E-08	6.97E-08	1.42E-07
2199	566795.49	4216726.82	8.18E-07	8.15E-07	1.63E-06	7.09E-07	7.21E-07	1.43E-06	8.58E-08	1.17E-07	2.03E-07	7.47E-08	7.20E-08	1.47E-07
2200	566789.78	4216734.71	8.43E-07	8.40E-07	1.68E-06	7.31E-07	7.43E-07	1.47E-06	8.84E-08	1.20E-07	2.09E-07	7.70E-08	7.42E-08	1.51E-07
2201	566784.07	4216742.59	8.67E-07	8.64E-07	1.73E-06	7.52E-07	7.65E-07	1.52E-06	9.09E-08	1.24E-07	2.15E-07	7.92E-08	7.63E-08	1.55E-07
2202	566778.36	4216750.48	8.90E-07	8.87E-07	1.78E-06	7.72E-07	7.85E-07	1.56E-06	9.33E-08	1.27E-07	2.21E-07	8.13E-08	7.83E-08	1.60E-07
2203	566772.64	4216758.36	9.11E-07	9.09E-07	1.82E-06	7.91E-07	8.04E-07	1.59E-06	9.56E-08	1.30E-07	2.26E-07	8.33E-08	8.02E-08	1.63E-07
2204	566766.93	4216766.25	9.32E-07	9.29E-07	1.86E-06	8.08E-07	8.22E-07	1.63E-06	9.77E-08	1.33E-07	2.31E-07	8.51E-08	8.20E-08	1.67E-07
2205	566761.22	4216774.13	9.50E-07	9.47E-07	1.90E-06	8.24E-07	8.38E-07	1.66E-06	9.97E-08	1.36E-07	2.35E-07	8.68E-08	8.36E-08	1.70E-07
2206	566755.51	4216782.02	9.67E-07	9.64E-07	1.93E-06	8.39E-07	8.53E-07	1.69E-06	1.01E-07	1.38E-07	2.40E-07	8.83E-08	8.51E-08	1.73E-07
2207	566749.79	4216789.9	9.81E-07	9.78E-07	1.96E-06	8.51E-07	8.65E-07	1.72E-06	1.03E-07	1.40E-07	2.43E-07	8.96E-08	8.63E-08	1.76E-07
2208	566846.15	4216643.71	5.49E-07	5.47E-07	1.10E-06	4.76E-07	4.84E-07	9.61E-07	5.76E-08	7.85E-08	1.36E-07	5.02E-08	4.83E-08	9.85E-08
2209	566853.49	4216637.43	5.33E-07	5.31E-07	1.06E-06	4.62E-07	4.70E-07	9.32E-07	5.59E-08	7.61E-08	1.32E-07	4.86E-08	4.69E-08	9.55E-08
2210	566860.83	4216631.14	5.16E-07	5.15E-07	1.03E-06	4.48E-07	4.55E-07	9.03E-07	5.41E-08	7.38E-08	1.28E-07	4.72E-08	4.54E-08	9.26E-08
2211	566868.17	4216624.86	5.00E-07	4.99E-07	9.99E-07	4.34E-07	4.41E-07	8.75E-07	5.25E-08	7.15E-08	1.24E-07	4.57E-08	4.40E-08	8.97E-08
2212	566875.51	4216618.58	4.84E-07	4.83E-07	9.67E-07	4.20E-07	4.27E-07	8.47E-07	5.08E-08	6.92E-08	1.20E-07	4.42E-08	4.26E-08	8.68E-08
2213	566882.85	4216612.29	4.68E-07	4.67E-07	9.35E-07	4.06E-07	4.13E-07	8.19E-07	4.91E-08	6.69E-08	1.16E-07	4.28E-08	4.12E-08	8.40E-08
2214	566890.19	4216606.01	4.52E-07	4.51E-07	9.04E-07	3.93E-07	3.99E-07	7.92E-07	4.75E-08	6.47E-08	1.12E-07	4.13E-08	3.98E-08	8.12E-08
2215	566912.22	4216587.16	4.08E-07	4.06E-07	8.14E-07	3.54E-07	3.60E-07	7.13E-07	4.28E-08	5.83E-08	1.01E-07	3.72E-08	3.59E-08	7.31E-08
2216	566919.56	4216580.88	3.93E-07	3.92E-07	7.85E-07	3.41E-07	3.47E-07	6.88E-07	4.13E-08	5.62E-08	9.75E-08	3.59E-08	3.46E-08	7.05E-08
2217	566926.9	4216574.59	3.79E-07	3.78E-07	7.58E-07	3.29E-07	3.35E-07	6.64E-07	3.98E-08	5.42E-08	9.40E-08	3.47E-08	3.34E-08	6.80E-08
2218	566934.24	4216568.31	3.66E-07	3.65E-07	7.31E-07	3.18E-07	3.23E-07	6.40E-07	3.84E-08	5.23E-08	9.07E-08	3.34E-08	3.22E-08	6.56E-08
2219	566941.58	4216562.03	3.53E-07	3.52E-07	7.06E-07	3.07E-07	3.12E-07	6.18E-07	3.71E-08	5.05E-08	8.76E-08	3.23E-08	3.11E-08	6.34E-08
2220	566958.32	4216553.49	3.36E-07	3.35E-07	6.71E-07	2.92E-07	2.97E-07	5.88E-07	3.53E-08	4.81E-08	8.33E-08	3.07E-08	2.96E-08	6.03E-08
2221	566967.71	4216551.23	3.31E-07	3.30E-07	6.62E-07	2.87E-07	2.92E-07	5.80E-07	3.47E-08	4.74E-08	8.21E-08	3.03E-08	2.92E-08	5.94E-08
2222	566986.5	4216546.71	3.22E-07	3.21E-07	6.44E-07	2.80E-07	2.84E-07	5.64E-07	3.38E-08	4.61E-08	7.99E-08	2.95E-08	2.84E-08	5.78E-08
2223	566995.9	4216544.45	3.18E-07	3.17E-07	6.36E-07	2.76E-07	2.81E-07	5.57E-07	3.34E-08	4.55E-08	7.89E-08	2.91E-08	2.80E-08	5.71E-08
2224	567005.29	4216542.19	3.15E-07	3.14E-07	6.28E-07	2.73E-07	2.78E-07	5.50E-07	3.30E-08	4.50E-08	7.80E-08	2.87E-08	2.77E-08	5.64E-08
2225	567014.69	4216539.93	3.11E-07	3.10E-07	6.21E-07	2.70E-07	2.74E-07	5.44E-07	3.26E-08	4.44E-08	7.71E-08	2.84E-08	2.74E-08	5.58E-08
2226	567024.08	4216537.67	3.08E-07	3.07E-07	6.14E-07	2.67E-07	2.71E-07	5.38E-07	3.23E-08	4.40E-08	7.62E-08	2.81E-08	2.71E-08	5.52E-08
2227	567033.48	4216535.41	3.04E-07	3.03E-07	6.08E-07	2.64E-07	2.69E-07	5.33E-07	3.19E-08	4.35E-08	7.54E-08	2.78E-08	2.68E-08	5.46E-08
2228	567042.87	4216533.15	3.02E-07	3.01E-07	6.02E-07	2.62E-07	2.66E-07	5.28E-07	3.16E-08	4.31E-08	7.47E-08	2.75E-08	2.65E-08	5.41E-08
2229	567052.27	4216530.9	2.99E-07	2.98E-07	5.97E-07	2.59E-07	2.64E-07	5.23E-07	3.13E-08	4.27E-08	7.41E-08	2.73E-08	2.63E-08	5.36E-08
2230	567061.66	4216528.64	2.96E-07	2.95E-07	5.92E-07	2.57E-07	2.61E-07	5.18E-07	3.11E-08	4.24E-08	7.34E-08	2.71E-08	2.61E-08	5.31E-08
2231	567071.06	4216526.38	2.94E-07	2.93E-07	5.87E-07	2.55E-07	2.59E-07	5.14E-07	3.08E-08	4.20E-08	7.29E-08	2.69E-08	2.59E-08	5.27E-08
2232	567080.45	4216524.12	2.92E-07	2.91E-07	5.83E-07	2.53E-07	2.57E-07	5.11E-07	3.06E-08	4.17E-08	7.23E-08	2.67E-08	2.57E-08	5.23E-08
2233	566838.8	4216649.99	5.66E-07	5.64E-07	1.13E-06	4.91E-07	4.99E-07	9.90E-07	5.93E-08	8.09E-08	1.40E-07	5.17E-08	4.98E-08	1.01E-07
2234	566833.09	4216657.88	5.88E-07	5.87E-07	1.18E-06	5.11E-07	5.19E-07	1.03E-06	6.17E-08	8.41E-08	1.46E-07	5.38E-08	5.18E-08	1.06E-07
2235	566827.38	4216665.76	6.12E-07	6.10E-07	1.22E-06	5.31E-07	5.40E-07	1.07E-06	6.42E-08	8.75E-08	1.52E-07	5.59E-08	5.39E-08	1.10E-07
2236	566804.53	4216697.3	7.08E-07	7.06E-07	1.41E-06	6.14E-07	6.25E-07	1.24E-06	7.43E-08	1.01E-07	1.75E-07	6.47E-08	6.23E-08	1.27E-07
2237	566798.82	4216705.19	7.33E-07	7.30E-07	1.46E-06	6.36E-07	6.46E-07	1.28E-06	7.68E-08	1.05E-07	1.82E-07	6.69E-08	6.45E-08	1.31E-07
2238	566793.11	4216713.07	7.57E-07	7.55E-07	1.51E-06	6.57E-07	6.68E-07	1.32E-06	7.94E-08	1.08E-07	1.88E-07	6.91E-08	6.66E-08	1.36E-07
2239	566787.39	4216720.96	7.81E-07	7.78E-07	1.56E-06	6.78E-07	6.89E-07	1.37E-06	8.19E-08	1.12E-07	1.94E-07	7.13E-08	6.87E-08	1.40E-07
2240	566781.68	4216728.84	8.04E-07	8.02E-07	1.61E-06	6.98E-07	7.09E-07	1.41E-06	8.44E-08	1.15E-07	1.99E-07	7.35E-08	7.08E-08	1.44E-07
2241	566775.97	4216736.73	8.27E-07	8.24E-07	1.65E-06	7.17E-07	7.29E-07	1.45E-06	8.67E-08	1.18E-07	2.05E-07	7.55E-08	7.28E-08	1.48E-07
2242	566770.26	4216744.61	8.48E-07	8.46E-07	1.69E-06	7.36E-07	7.48E-07	1.48E-06	8.90E-08	1.21E-07	2.10E-07	7.75E-08	7.47E-08	1.52E-07
2243	566764.55	4216752.5	8.69E-07	8.67E-07	1.74E-06	7.54E-07	7.67E-07	1.52E-06	9.12E-08	1.24E-07	2.15E-07	7.94E-08	7.65E-08	1.56E-07
2244	566758.83	4216760.38	8.89E-07	8.86E-07	1.77E-06	7.71E-07	7.84E-07	1.55E-06	9.32E-08	1.27E-07	2.20E-07	8.12E-08	7.82E-08	1.59E-07
2245	566753.12	4216768.27	9.06E-07	9.03E-07	1.81E-06	7.86E-07	7.99E-07	1.59E-06	9.50E-08	1.30E-07	2.25E-07	8.28E-08	7.98E-08	1.63E-07
2246	566747.41	4216776.15	9.22E-07	9.19E-07	1.84E-06	8.00E-07	8.13E-07	1.61E-06	9.67E-08	1.32E-07	2.28E-07	8.42E-08	8.11E-08	1.65E-07
2247	566741.7	4216784.04	9.35E-07	9.32E-07	1.87E-06	8.11E-07	8.25E-07	1.64E-06	9.81E-08	1.34E-07	2.32E-07	8.54E-08	8.23E-08	1.68E-07
2248	566996.35	4216991.83	1.12E-05	1.11E-05	2.23E-05	9.68E-06	9.84E-06	1.95E-05	1.17E-06	1.59E-06	2.76E-06	1.02E-06	9.82E-07	2.00E-06
2249	566983.49	4216995.37	8.71E-06	8.68E-06	1.74E-05	7.56E-06	7.68E-06	1.52E-05	9.14E-07	1.25E-06	2.16E-06	7.96E-07	7.67E-07	1.56E-06
2250	566998.28	4217005.03	9.16E-06	9.13E-06	1.83E-05	7.95E-06	8.08E-06	1.60E-05	9.61E-07	1.31E-06	2.27E-06	8.37E-07	8.06E-07	1.64E-06
2251	566959.26	4216971.55	7.26E-06	7.24E-06	1.45E-05	6.30E-06	6.40E-06	1.27E-05	7.61E-07	1.04E-06	1.80E-06	6.63E-07	6.39E-07	1.30E-06
2252	566978.02	4217003.74	7.28E-06	7.26E-06	1.45E-05	6.32E-06	6.42E-06	1.27E-05	7.64E-07	1.04E-06	1.80E-06	6.65E-07	6.41E-07	1.31E-06
2253	566992.81	4217013.4	7.48E-06	7.46E-06	1.49E-05	6.49E-06	6.60E-06	1.31E-05	7.85E-07	1.07E-06	1.85E-06	6.83E-07	6.59E-07	1.34E-06
2254	567007.6	4217023.07	7.50E-06	7.47E-06	1.50E-05	6.51E-06	6.61E-06	1.31E-05	7.86E-07	1.07E-06	1.86E-06	6.85E-07	6.60E-07	1.34E-06
2255	566952.06	4216987.61	6.13E-06	6.11E-06	1.22E-05	5.32E-06	5.41E-06	1.07E-05	6.43E-07	8.76E-07	1.52E-06	5.60E-07	5.40E-07	1.10E-06
2256	566949.43	4216973.37	6.31E-06	6.29E-06	1.26E-05	5.47E-06	5.56E-06	1.10E-05	6.61E-07	9.01E-07	1.56E-06	5.76E-07	5.55E-07	1.13E-06
2257	566972.55	4217012.11	6.17E-06	6.16E-06	1.23E-05	5.36E-06	5.45E-06	1.08E-05	6.48E-07	8.83E-07	1.53E-06	5.64E-07	5.44E-07	1.11E-06
2258	566987.34	4217021.77	6.24E-06	6.22E-06	1.25E-05	5.41E-06	5.50E-06	1.09E-05	6.54E-07	8.92E-07	1.55E-06	5.70E-07	5.49E-07	1.12E-06
2259	567002.13	4217031.44	6.13E-06	6.11E-06	1.22E-05	5.32E-06	5.40E-06	1.07E-05	6.43E-07	8.76E-07	1.52E-06	5.60E-07	5.39E-07	1.10E-06
2260	566946.59	4216995.98	5.45E-06	5.43E-06	1.09E-05	4.73E-06	4.81E-06	9.54E-06	5.72E-07	7.79E-07	1.35E-06	4.98E-07	4.80E-07	9.78E-07
2261	566939.6	4216975.18	5.55E-06	5.53E-06	1.11E-05	4.82E-06	4.90E-06	9.71E-06	5.82E-07	7.94E-07	1.38E-06	5.07E-07	4.89E-07	9.96E-07
2262	566943.07	4216959.82	5.91E-06	5.89E-06	1.18E-05	5.13E-06	5.21E-06	1.03E-05	6.20E-07	8.45E-07	1.46E-06	5.40E-07	5.20E-07	1.06E-06
2263	566967.08	4217020.48	5.29E-06	5.27E-06	1.06E-05	4.59E-06	4.67E-06	9.26E-06	5.55E-07	7.56E-07	1.31E-06	4.83E-07	4.66E-07	9.49E-07
2264	566981.87	4217030.15	5.27E-06	5.25E-06	1.05E-05	4.57E-06	4.65E-06	9.22E-06	5.52E-07	7.53E-07	1.31E-06	4.81E-07	4.64E-07	9.45E-07
2265	566996.66	4217039.81	5.09E-06	5.07E-06	1.02E-05	4.42E-06	4.49E-06	8.91E-06	5.34E-07	7.28E-07	1.26E-06	4.65E-07	4.48E-07	9.13E-07
2266	566941.12	4217004.35	4.85E-06	4.83E-06	9.68E-06	4.21E-06	4.28E-06	8.48E-06	5.08E-07	6.93E-07	1.20E-06	4.43E-07	4.27E-07	8.69E-07
2267	566932.39	4216991.24	4.81E-06	4.80E-06	9.61E-06	4.17E-06	4.24E-06	8.42E-06	5.05E-07	6.88E-07	1.19E-06	4.40E-07	4.24E-07	8.63E-07
2268	566929.76	4216977	4.94E-06	4.93E-06	9.87E-06	4.29E-06	4.36E-06	8.65E-06	5.18E-07	7.06E-07	1.22E-06	4.51E-07	4.35E-07	8.86E-07

2269	566933.23	4216961.64	5.26E-06	5.24E-06	1.05E-05	4.56E-06	4.64E-06	9.20E-06	5.51E-07	7.52E-07	1.30E-06	4.80E-07	4.63E-07	9.43E-07
2270	566961.61	4217028.85	4.57E-06	4.56E-06	9.13E-06	3.97E-06	4.03E-06	8.00E-06	4.79E-07	6.53E-07	1.13E-06	4.18E-07	4.02E-07	8.20E-07
2271	566976.4	4217038.52	4.49E-06	4.48E-06	8.97E-06	3.90E-06	3.96E-06	7.86E-06	4.71E-07	6.42E-07	1.11E-06	4.10E-07	3.96E-07	8.06E-07
2272	566991.19	4217048.18	4.29E-06	4.27E-06	8.56E-06	3.72E-06	3.78E-06	7.50E-06	4.50E-07	6.13E-07	1.06E-06	3.92E-07	3.77E-07	7.69E-07
2273	566935.65	4217012.72	4.32E-06	4.30E-06	8.62E-06	3.75E-06	3.81E-06	7.55E-06	4.53E-07	6.17E-07	1.07E-06	3.94E-07	3.80E-07	7.74E-07
2274	566926.92	4216999.61	4.36E-06	4.34E-06	8.70E-06	3.78E-06	3.84E-06	7.62E-06	4.57E-07	6.23E-07	1.08E-06	3.98E-07	3.84E-07	7.81E-07
2275	566919.93	4216978.81	4.44E-06	4.42E-06	8.86E-06	3.85E-06	3.91E-06	7.76E-06	4.65E-07	6.34E-07	1.10E-06	4.05E-07	3.90E-07	7.96E-07
2276	566923.4	4216963.45	4.72E-06	4.70E-06	9.42E-06	4.09E-06	4.16E-06	8.25E-06	4.95E-07	6.74E-07	1.17E-06	4.31E-07	4.15E-07	8.46E-07
2277	566926.87	4216948.09	4.86E-06	4.85E-06	9.71E-06	4.22E-06	4.29E-06	8.50E-06	5.10E-07	6.95E-07	1.20E-06	4.44E-07	4.28E-07	8.72E-07
2278	566956.14	4217037.22	3.98E-06	3.96E-06	7.94E-06	3.45E-06	3.51E-06	6.96E-06	4.17E-07	5.69E-07	9.86E-07	3.63E-07	3.50E-07	7.13E-07
2279	566930.18	4217021.09	3.85E-06	3.84E-06	7.70E-06	3.34E-06	3.40E-06	6.74E-06	4.04E-07	5.51E-07	9.55E-07	3.52E-07	3.39E-07	6.91E-07
2280	566921.45	4217007.98	3.94E-06	3.93E-06	7.87E-06	3.42E-06	3.48E-06	6.90E-06	4.13E-07	5.63E-07	9.77E-07	3.60E-07	3.47E-07	7.07E-07
2281	566912.72	4216994.87	3.91E-06	3.90E-06	7.81E-06	3.39E-06	3.45E-06	6.84E-06	4.10E-07	5.59E-07	9.69E-07	3.57E-07	3.44E-07	7.01E-07
2282	566910.09	4216980.63	4.01E-06	4.00E-06	8.01E-06	3.48E-06	3.54E-06	7.02E-06	4.21E-07	5.73E-07	9.94E-07	3.66E-07	3.53E-07	7.19E-07
2283	566913.57	4216965.27	4.26E-06	4.25E-06	8.51E-06	3.70E-06	3.76E-06	7.45E-06	4.47E-07	6.09E-07	1.06E-06	3.89E-07	3.75E-07	7.64E-07
2284	566917.04	4216949.9	4.40E-06	4.39E-06	8.79E-06	3.82E-06	3.88E-06	7.70E-06	4.62E-07	6.29E-07	1.09E-06	4.02E-07	3.88E-07	7.90E-07
2285	566965.46	4217055.26	3.35E-06	3.34E-06	6.69E-06	2.91E-06	2.96E-06	5.86E-06	3.51E-07	4.79E-07	8.30E-07	3.06E-07	2.95E-07	6.01E-07
2286	566980.25	4217064.93	3.14E-06	3.13E-06	6.26E-06	2.72E-06	2.77E-06	5.49E-06	3.29E-07	4.48E-07	7.77E-07	2.86E-07	2.76E-07	5.63E-07
2287	566924.71	4217029.46	3.45E-06	3.44E-06	6.88E-06	2.99E-06	3.04E-06	6.03E-06	3.62E-07	4.93E-07	8.54E-07	3.15E-07	3.03E-07	6.18E-07
2288	566915.98	4217016.35	3.57E-06	3.56E-06	7.12E-06	3.09E-06	3.15E-06	6.24E-06	3.74E-07	5.10E-07	8.84E-07	3.26E-07	3.14E-07	6.40E-07
2289	566907.25	4217003.24	3.59E-06	3.57E-06	7.16E-06	3.11E-06	3.16E-06	6.27E-06	3.76E-07	5.13E-07	8.89E-07	3.28E-07	3.16E-07	6.43E-07
2290	566900.26	4216982.44	3.65E-06	3.64E-06	7.29E-06	3.17E-06	3.22E-06	6.39E-06	3.83E-07	5.22E-07	9.04E-07	3.33E-07	3.21E-07	6.55E-07
2291	566903.73	4216967.08	3.87E-06	3.86E-06	7.73E-06	3.36E-06	3.41E-06	6.77E-06	4.06E-07	5.53E-07	9.59E-07	3.54E-07	3.41E-07	6.94E-07
2292	566907.2	4216951.72	4.01E-06	4.00E-06	8.00E-06	3.48E-06	3.54E-06	7.01E-06	4.20E-07	5.73E-07	9.93E-07	3.66E-07	3.53E-07	7.19E-07
2293	566910.67	4216936.35	4.05E-06	4.04E-06	8.08E-06	3.51E-06	3.57E-06	7.08E-06	4.25E-07	5.79E-07	1.00E-06	3.70E-07	3.56E-07	7.26E-07
2294	566945.2	4217053.96	3.06E-06	3.05E-06	6.11E-06	2.66E-06	2.70E-06	5.36E-06	3.21E-07	4.38E-07	7.59E-07	2.80E-07	2.70E-07	5.49E-07
2295	566959.99	4217063.63	2.92E-06	2.91E-06	5.84E-06	2.54E-06	2.58E-06	5.11E-06	3.07E-07	4.18E-07	7.24E-07	2.67E-07	2.57E-07	5.24E-07
2296	566974.78	4217073.3	2.72E-06	2.71E-06	5.42E-06	2.36E-06	2.40E-06	4.75E-06	2.85E-07	3.88E-07	6.73E-07	2.48E-07	2.39E-07	4.87E-07
2297	566917.78	4217035.65	3.12E-06	3.11E-06	6.23E-06	2.71E-06	2.75E-06	5.46E-06	3.27E-07	4.46E-07	7.73E-07	2.85E-07	2.75E-07	5.60E-07
2298	566908.09	4217021.08	3.25E-06	3.24E-06	6.50E-06	2.82E-06	2.87E-06	5.69E-06	3.41E-07	4.65E-07	8.06E-07	2.97E-07	2.86E-07	5.83E-07
2299	566898.39	4217006.51	3.28E-06	3.27E-06	6.55E-06	2.85E-06	2.90E-06	5.74E-06	3.44E-07	4.69E-07	8.13E-07	3.00E-07	2.89E-07	5.89E-07
2300	566890.62	4216983.41	3.35E-06	3.34E-06	6.69E-06	2.91E-06	2.96E-06	5.86E-06	3.51E-07	4.79E-07	8.30E-07	3.06E-07	2.95E-07	6.01E-07
2301	566894.48	4216966.34	3.56E-06	3.55E-06	7.11E-06	3.09E-06	3.14E-06	6.23E-06	3.74E-07	5.09E-07	8.83E-07	3.25E-07	3.14E-07	6.39E-07
2302	566898.33	4216949.26	3.69E-06	3.68E-06	7.37E-06	3.20E-06	3.25E-06	6.45E-06	3.87E-07	5.27E-07	9.14E-07	3.37E-07	3.25E-07	6.62E-07
2303	566900.26	4216940.73	3.71E-06	3.70E-06	7.42E-06	3.22E-06	3.28E-06	6.50E-06	3.90E-07	5.31E-07	9.21E-07	3.39E-07	3.27E-07	6.66E-07
2304	566939.73	4217062.34	2.71E-06	2.70E-06	5.40E-06	2.35E-06	2.39E-06	4.74E-06	2.84E-07	3.87E-07	6.71E-07	2.47E-07	2.38E-07	4.85E-07
2305	566954.52	4217072	2.56E-06	2.56E-06	5.12E-06	2.22E-06	2.26E-06	4.49E-06	2.69E-07	3.67E-07	6.36E-07	2.34E-07	2.26E-07	4.60E-07
2306	566969.31	4217081.67	2.37E-06	2.36E-06	4.73E-06	2.06E-06	2.09E-06	4.14E-06	2.48E-07	3.39E-07	5.87E-07	2.16E-07	2.08E-07	4.25E-07
2307	566893.26	4217015.39	3.01E-06	3.00E-06	6.02E-06	2.61E-06	2.66E-06	5.27E-06	3.16E-07	4.31E-07	7.47E-07	2.75E-07	2.65E-07	5.40E-07
2308	566883.66	4217000.97	3.00E-06	2.99E-06	5.98E-06	2.60E-06	2.64E-06	5.24E-06	3.14E-07	4.28E-07	7.43E-07	2.74E-07	2.64E-07	5.38E-07
2309	566880.77	4216985.31	3.08E-06	3.07E-06	6.15E-06	2.67E-06	2.71E-06	5.39E-06	3.23E-07	4.40E-07	7.63E-07	2.81E-07	2.71E-07	5.52E-07
2310	566884.58	4216968.41	3.27E-06	3.26E-06	6.52E-06	2.83E-06	2.88E-06	5.72E-06	3.43E-07	4.67E-07	8.10E-07	2.98E-07	2.88E-07	5.86E-07
2311	566888.4	4216951.51	3.39E-06	3.38E-06	6.77E-06	2.94E-06	2.99E-06	5.93E-06	3.55E-07	4.84E-07	8.40E-07	3.10E-07	2.98E-07	6.08E-07
2312	566892.22	4216934.61	3.43E-06	3.42E-06	6.85E-06	2.97E-06	3.02E-06	6.00E-06	3.60E-07	4.90E-07	8.50E-07	3.13E-07	3.02E-07	6.15E-07
2313	566934.25	4217070.71	2.40E-06	2.40E-06	4.80E-06	2.09E-06	2.12E-06	4.21E-06	2.52E-07	3.44E-07	5.96E-07	2.20E-07	2.12E-07	4.31E-07
2314	566949.05	4217080.37	2.26E-06	2.26E-06	4.52E-06	1.96E-06	2.00E-06	3.96E-06	2.37E-07	3.23E-07	5.61E-07	2.07E-07	1.99E-07	4.06E-07
2315	566963.84	4217090.04	2.08E-06	2.07E-06	4.15E-06	1.80E-06	1.83E-06	3.64E-06	2.18E-07	2.97E-07	5.15E-07	1.90E-07	1.83E-07	3.73E-07
2316	566907.11	4217052.79	2.53E-06	2.52E-06	5.05E-06	2.19E-06	2.23E-06	4.42E-06	2.65E-07	3.61E-07	6.26E-07	2.31E-07	2.22E-07	4.53E-07
2317	566878.54	4217009.88	2.78E-06	2.77E-06	5.55E-06	2.41E-06	2.45E-06	4.86E-06	2.92E-07	3.97E-07	6.89E-07	2.54E-07	2.45E-07	4.99E-07
2318	566870.92	4216987.19	2.84E-06	2.83E-06	5.67E-06	2.46E-06	2.50E-06	4.97E-06	2.98E-07	4.06E-07	7.03E-07	2.59E-07	2.50E-07	5.09E-07
2319	566874.7	4216970.43	3.01E-06	3.00E-06	6.01E-06	2.61E-06	2.65E-06	5.27E-06	3.16E-07	4.30E-07	7.46E-07	2.75E-07	2.65E-07	5.40E-07
2320	566878.49	4216953.67	3.12E-06	3.12E-06	6.24E-06	2.71E-06	2.76E-06	5.47E-06	3.28E-07	4.47E-07	7.74E-07	2.85E-07	2.75E-07	5.60E-07
2321	566882.28	4216936.91	3.17E-06	3.16E-06	6.34E-06	2.75E-06	2.80E-06	5.55E-06	3.33E-07	4.54E-07	7.86E-07	2.90E-07	2.79E-07	5.69E-07
2322	566886.06	4216920.15	3.15E-06	3.14E-06	6.29E-06	2.73E-06	2.78E-06	5.51E-06	3.30E-07	4.50E-07	7.81E-07	2.88E-07	2.77E-07	5.65E-07
2323	566928.78	4217079.08	2.14E-06	2.14E-06	4.28E-06	1.86E-06	1.89E-06	3.75E-06	2.25E-07	3.06E-07	5.31E-07	1.96E-07	1.89E-07	3.84E-07
2324	566943.58	4217088.74	2.01E-06	2.00E-06	4.00E-06	1.74E-06	1.77E-06	3.51E-06	2.10E-07	2.87E-07	4.97E-07	1.83E-07	1.77E-07	3.60E-07
2325	566958.37	4217098.41	1.84E-06	1.83E-06	3.67E-06	1.59E-06	1.62E-06	3.21E-06	1.93E-07	2.62E-07	4.55E-07	1.68E-07	1.62E-07	3.29E-07
2326	566901.74	4217061.31	2.28E-06	2.27E-06	4.55E-06	1.98E-06	2.01E-06	3.99E-06	2.39E-07	3.26E-07	5.65E-07	2.08E-07	2.01E-07	4.09E-07
2327	566892.28	4217047.1	2.43E-06	2.43E-06	4.86E-06	2.11E-06	2.15E-06	4.26E-06	2.55E-07	3.48E-07	6.03E-07	2.22E-07	2.14E-07	4.37E-07
2328	566882.83	4217032.9	2.53E-06	2.52E-06	5.06E-06	2.20E-06	2.23E-06	4.43E-06	2.66E-07	3.62E-07	6.27E-07	2.31E-07	2.23E-07	4.54E-07
2329	566861.07	4216989.07	2.62E-06	2.62E-06	5.24E-06	2.28E-06	2.31E-06	4.59E-06	2.75E-07	3.75E-07	6.50E-07	2.40E-07	2.31E-07	4.71E-07
2330	566864.83	4216972.42	2.78E-06	2.77E-06	5.55E-06	2.41E-06	2.45E-06	4.86E-06	2.91E-07	3.97E-07	6.89E-07	2.54E-07	2.45E-07	4.98E-07
2331	566868.59	4216955.78	2.89E-06	2.88E-06	5.77E-06	2.51E-06	2.55E-06	5.05E-06	3.03E-07	4.13E-07	7.16E-07	2.64E-07	2.54E-07	5.18E-07
2332	566872.35	4216939.13	2.94E-06	2.93E-06	5.88E-06	2.55E-06	2.60E-06	5.15E-06	3.09E-07	4.21E-07	7.30E-07	2.69E-07	2.59E-07	5.28E-07
2333	566876.11	4216922.49	2.94E-06	2.93E-06	5.87E-06	2.55E-06	2.59E-06	5.14E-06	3.08E-07	4.20E-07	7.28E-07	2.68E-07	2.59E-07	5.27E-07
2334	566923.31	4217087.45	1.92E-06	1.91E-06	3.82E-06	1.66E-06	1.69E-06	3.35E-06	2.01E-07	2.74E-07	4.75E-07	1.75E-07	1.69E-07	3.43E-07
2335	566938.11	4217097.12	1.78E-06	1.78E-06	3.56E-06	1.55E-06	1.57E-06	3.12E-06	1.87E-07	2.55E-07	4.42E-07	1.63E-07	1.57E-07	3.20E-07
2336	566952.9	4217106.78	1.63E-06	1.62E-06	3.25E-06	1.41E-06	1.44E-06	2.85E-06	1.71E-07	2.33E-07	4.04E-07	1.49E-07	1.43E-07	2.92E-07
2337	566896.35	4217069.81	2.06E-06	2.05E-06	4.12E-06	1.79E-06	1.82E-06	3.61E-06	2.16E-07	2.95E-07	5.11E-07	1.88E-07	1.81E-07	3.70E-07
2338	566886.95	4217055.69	2.22E-06	2.21E-06	4.42E-06	1.92E-06	1.95E-06	3.88E-06	2.32E-07	3.17E-07	5.49E-07	2.02E-07	1.95E-07	3.97E-07
2339	566877.55	4217041.56	2.32E-06	2.31E-06	4.64E-06	2.01E-06	2.05E-06	4.06E-06	2.43E-07	3.32E-07	5.75E-07	2.12E-07	2.04E-07	4.16E-07

2340	566868.15	4217027.44	2.38E-06	2.37E-06	4.75E-06	2.06E-06	2.10E-06	4.16E-06	2.49E-07	3.40E-07	5.90E-07	2.17E-07	2.09E-07	4.27E-07
2341	566858.75	4217013.32	2.39E-06	2.38E-06	4.77E-06	2.07E-06	2.11E-06	4.18E-06	2.51E-07	3.42E-07	5.92E-07	2.18E-07	2.10E-07	4.29E-07
2342	566854.96	4216974.38	2.57E-06	2.57E-06	5.14E-06	2.23E-06	2.27E-06	4.51E-06	2.70E-07	3.68E-07	6.38E-07	2.35E-07	2.27E-07	4.62E-07
2343	566858.7	4216957.84	2.68E-06	2.67E-06	5.35E-06	2.32E-06	2.36E-06	4.68E-06	2.81E-07	3.83E-07	6.64E-07	2.45E-07	2.36E-07	4.80E-07
2344	566862.44	4216941.29	2.73E-06	2.73E-06	5.46E-06	2.37E-06	2.41E-06	4.78E-06	2.87E-07	3.91E-07	6.78E-07	2.50E-07	2.41E-07	4.90E-07
2345	566866.18	4216924.75	2.74E-06	2.73E-06	5.47E-06	2.38E-06	2.42E-06	4.80E-06	2.88E-07	3.92E-07	6.79E-07	2.50E-07	2.41E-07	4.92E-07
2346	566869.92	4216908.2	2.70E-06	2.69E-06	5.39E-06	2.34E-06	2.38E-06	4.72E-06	2.83E-07	3.86E-07	6.69E-07	2.46E-07	2.37E-07	4.84E-07
2347	566917.84	4217095.82	1.72E-06	1.71E-06	3.43E-06	1.49E-06	1.52E-06	3.01E-06	1.80E-07	2.46E-07	4.26E-07	1.57E-07	1.51E-07	3.08E-07
2348	566932.64	4217105.49	1.59E-06	1.59E-06	3.18E-06	1.38E-06	1.41E-06	2.79E-06	1.67E-07	2.28E-07	3.95E-07	1.46E-07	1.40E-07	2.86E-07
2349	566947.43	4217115.15	1.45E-06	1.45E-06	2.90E-06	1.26E-06	1.28E-06	2.54E-06	1.52E-07	2.08E-07	3.60E-07	1.33E-07	1.28E-07	2.60E-07
2350	566890.95	4217078.29	1.87E-06	1.86E-06	3.73E-06	1.62E-06	1.65E-06	3.27E-06	1.96E-07	2.67E-07	4.63E-07	1.71E-07	1.64E-07	3.35E-07
2351	566881.6	4217064.24	2.02E-06	2.01E-06	4.03E-06	1.75E-06	1.78E-06	3.53E-06	2.12E-07	2.88E-07	5.00E-07	1.84E-07	1.78E-07	3.62E-07
2352	566872.25	4217050.19	2.13E-06	2.12E-06	4.25E-06	1.85E-06	1.88E-06	3.73E-06	2.23E-07	3.04E-07	5.28E-07	1.95E-07	1.87E-07	3.82E-07
2353	566862.9	4217036.14	2.20E-06	2.19E-06	4.40E-06	1.91E-06	1.94E-06	3.85E-06	2.31E-07	3.15E-07	5.46E-07	2.01E-07	1.94E-07	3.95E-07
2354	566853.55	4217022.09	2.23E-06	2.22E-06	4.45E-06	1.93E-06	1.97E-06	3.90E-06	2.34E-07	3.19E-07	5.52E-07	2.04E-07	1.96E-07	4.00E-07
2355	566844.2	4217008.04	2.22E-06	2.21E-06	4.42E-06	1.92E-06	1.95E-06	3.88E-06	2.32E-07	3.17E-07	5.49E-07	2.02E-07	1.95E-07	3.97E-07
2356	566845.1	4216976.33	2.39E-06	2.39E-06	4.78E-06	2.08E-06	2.11E-06	4.19E-06	2.51E-07	3.42E-07	5.93E-07	2.19E-07	2.11E-07	4.29E-07
2357	566848.82	4216959.86	2.49E-06	2.48E-06	4.97E-06	2.16E-06	2.20E-06	4.36E-06	2.61E-07	3.56E-07	6.17E-07	2.27E-07	2.19E-07	4.46E-07
2358	566852.54	4216943.4	2.55E-06	2.54E-06	5.09E-06	2.21E-06	2.25E-06	4.46E-06	2.67E-07	3.64E-07	6.31E-07	2.33E-07	2.24E-07	4.57E-07
2359	566912.37	4217104.19	1.55E-06	1.54E-06	3.09E-06	1.34E-06	1.37E-06	2.71E-06	1.62E-07	2.21E-07	3.84E-07	1.41E-07	1.36E-07	2.78E-07
2360	566927.17	4217113.86	1.43E-06	1.43E-06	2.86E-06	1.24E-06	1.26E-06	2.50E-06	1.50E-07	2.05E-07	3.55E-07	1.31E-07	1.26E-07	2.57E-07
2361	566941.96	4217123.53	1.30E-06	1.30E-06	2.60E-06	1.13E-06	1.15E-06	2.28E-06	1.36E-07	1.86E-07	3.22E-07	1.19E-07	1.14E-07	2.33E-07
2362	566885.54	4217086.75	1.70E-06	1.69E-06	3.39E-06	1.47E-06	1.50E-06	2.97E-06	1.78E-07	2.43E-07	4.21E-07	1.55E-07	1.49E-07	3.05E-07
2363	566876.23	4217072.76	1.84E-06	1.84E-06	3.68E-06	1.60E-06	1.63E-06	3.22E-06	1.93E-07	2.63E-07	4.57E-07	1.68E-07	1.62E-07	3.30E-07
2364	566866.93	4217058.78	1.96E-06	1.95E-06	3.91E-06	1.70E-06	1.73E-06	3.42E-06	2.05E-07	2.80E-07	4.85E-07	1.79E-07	1.72E-07	3.51E-07
2365	566857.62	4217044.79	2.04E-06	2.03E-06	4.07E-06	1.77E-06	1.80E-06	3.56E-06	2.14E-07	2.91E-07	5.05E-07	1.86E-07	1.79E-07	3.65E-07
2366	566848.31	4217030.81	2.08E-06	2.07E-06	4.15E-06	1.80E-06	1.83E-06	3.64E-06	2.18E-07	2.97E-07	5.15E-07	1.90E-07	1.83E-07	3.73E-07
2367	566839	4217016.82	2.08E-06	2.08E-06	4.16E-06	1.81E-06	1.84E-06	3.64E-06	2.18E-07	2.98E-07	5.16E-07	1.90E-07	1.83E-07	3.74E-07
2368	566831.54	4216994.64	2.12E-06	2.11E-06	4.23E-06	1.84E-06	1.87E-06	3.71E-06	2.22E-07	3.03E-07	5.25E-07	1.94E-07	1.87E-07	3.80E-07
2369	566835.24	4216978.25	2.23E-06	2.23E-06	4.46E-06	1.94E-06	1.97E-06	3.91E-06	2.34E-07	3.19E-07	5.54E-07	2.04E-07	1.97E-07	4.01E-07
2370	566838.94	4216961.86	2.32E-06	2.31E-06	4.64E-06	2.01E-06	2.05E-06	4.06E-06	2.44E-07	3.32E-07	5.76E-07	2.12E-07	2.04E-07	4.17E-07
2371	566842.65	4216945.47	2.38E-06	2.37E-06	4.75E-06	2.06E-06	2.10E-06	4.16E-06	2.49E-07	3.40E-07	5.89E-07	2.17E-07	2.09E-07	4.27E-07
2372	566850.05	4216912.7	2.38E-06	2.37E-06	4.76E-06	2.07E-06	2.10E-06	4.17E-06	2.50E-07	3.40E-07	5.90E-07	2.18E-07	2.10E-07	4.27E-07
2373	566906.9	4217112.56	1.40E-06	1.40E-06	2.80E-06	1.22E-06	1.24E-06	2.45E-06	1.47E-07	2.00E-07	3.47E-07	1.28E-07	1.23E-07	2.51E-07
2374	566921.7	4217122.23	1.29E-06	1.29E-06	2.58E-06	1.12E-06	1.14E-06	2.26E-06	1.35E-07	1.85E-07	3.20E-07	1.18E-07	1.14E-07	2.32E-07
2375	566936.49	4217131.9	1.17E-06	1.17E-06	2.34E-06	1.02E-06	1.03E-06	2.05E-06	1.23E-07	1.67E-07	2.90E-07	1.07E-07	1.03E-07	2.10E-07
2376	566880.13	4217095.2	1.55E-06	1.54E-06	3.09E-06	1.34E-06	1.37E-06	2.71E-06	1.62E-07	2.21E-07	3.84E-07	1.41E-07	1.36E-07	2.78E-07
2377	566870.86	4217081.27	1.69E-06	1.68E-06	3.37E-06	1.46E-06	1.49E-06	2.95E-06	1.77E-07	2.41E-07	4.18E-07	1.54E-07	1.48E-07	3.02E-07
2378	566861.58	4217067.34	1.80E-06	1.79E-06	3.59E-06	1.56E-06	1.59E-06	3.15E-06	1.89E-07	2.57E-07	4.46E-07	1.64E-07	1.58E-07	3.23E-07
2379	566852.31	4217053.41	1.88E-06	1.88E-06	3.76E-06	1.63E-06	1.66E-06	3.30E-06	1.98E-07	2.69E-07	4.67E-07	1.72E-07	1.66E-07	3.38E-07
2380	566843.04	4217039.48	1.94E-06	1.93E-06	3.87E-06	1.68E-06	1.71E-06	3.39E-06	2.03E-07	2.77E-07	4.80E-07	1.77E-07	1.70E-07	3.47E-07
2381	566833.76	4217025.55	1.96E-06	1.95E-06	3.90E-06	1.70E-06	1.72E-06	3.42E-06	2.05E-07	2.79E-07	4.85E-07	1.79E-07	1.72E-07	3.51E-07
2382	566824.49	4217011.61	1.94E-06	1.94E-06	3.88E-06	1.69E-06	1.71E-06	3.40E-06	2.04E-07	2.78E-07	4.82E-07	1.78E-07	1.71E-07	3.49E-07
2383	566821.7	4216996.49	1.99E-06	1.98E-06	3.97E-06	1.72E-06	1.75E-06	3.48E-06	2.08E-07	2.84E-07	4.92E-07	1.82E-07	1.75E-07	3.56E-07
2384	566829.07	4216963.84	2.17E-06	2.17E-06	4.34E-06	1.89E-06	1.92E-06	3.80E-06	2.28E-07	3.11E-07	5.39E-07	1.99E-07	1.91E-07	3.90E-07
2385	566840.14	4216914.87	2.24E-06	2.24E-06	4.48E-06	1.95E-06	1.98E-06	3.92E-06	2.35E-07	3.21E-07	5.56E-07	2.05E-07	1.97E-07	4.02E-07
2386	566843.83	4216898.54	2.20E-06	2.19E-06	4.40E-06	1.91E-06	1.94E-06	3.85E-06	2.31E-07	3.15E-07	5.46E-07	2.01E-07	1.94E-07	3.95E-07
2387	566901.43	4217120.93	1.27E-06	1.27E-06	2.54E-06	1.10E-06	1.12E-06	2.23E-06	1.33E-07	1.82E-07	3.15E-07	1.16E-07	1.12E-07	2.28E-07
2388	566916.23	4217130.6	1.17E-06	1.17E-06	2.34E-06	1.01E-06	1.03E-06	2.05E-06	1.23E-07	1.67E-07	2.90E-07	1.07E-07	1.03E-07	2.10E-07
2389	566931.02	4217140.27	1.06E-06	1.06E-06	2.12E-06	9.20E-07	9.35E-07	1.85E-06	1.11E-07	1.52E-07	2.63E-07	9.68E-08	9.33E-08	1.90E-07
2390	566874.71	4217103.65	1.41E-06	1.41E-06	2.83E-06	1.23E-06	1.25E-06	2.48E-06	1.48E-07	2.02E-07	3.51E-07	1.29E-07	1.25E-07	2.54E-07
2391	566865.47	4217089.76	1.55E-06	1.54E-06	3.09E-06	1.34E-06	1.36E-06	2.70E-06	1.62E-07	2.21E-07	3.83E-07	1.41E-07	1.36E-07	2.77E-07
2392	566856.22	4217075.88	1.66E-06	1.65E-06	3.31E-06	1.44E-06	1.46E-06	2.90E-06	1.74E-07	2.37E-07	4.11E-07	1.51E-07	1.46E-07	2.97E-07
2393	566846.98	4217062	1.74E-06	1.74E-06	3.48E-06	1.51E-06	1.54E-06	3.05E-06	1.83E-07	2.49E-07	4.32E-07	1.59E-07	1.54E-07	3.13E-07
2394	566837.74	4217048.11	1.80E-06	1.80E-06	3.60E-06	1.56E-06	1.59E-06	3.16E-06	1.89E-07	2.58E-07	4.47E-07	1.65E-07	1.59E-07	3.23E-07
2395	566828.5	4217034.23	1.83E-06	1.83E-06	3.66E-06	1.59E-06	1.62E-06	3.21E-06	1.92E-07	2.62E-07	4.54E-07	1.67E-07	1.61E-07	3.29E-07
2396	566819.26	4217020.35	1.84E-06	1.83E-06	3.67E-06	1.59E-06	1.62E-06	3.21E-06	1.93E-07	2.62E-07	4.55E-07	1.68E-07	1.62E-07	3.29E-07
2397	566811.86	4216998.33	1.87E-06	1.86E-06	3.73E-06	1.62E-06	1.65E-06	3.27E-06	1.96E-07	2.67E-07	4.63E-07	1.71E-07	1.64E-07	3.35E-07
2398	566826.56	4216933.26	2.12E-06	2.11E-06	4.23E-06	1.84E-06	1.87E-06	3.71E-06	2.22E-07	3.03E-07	5.25E-07	1.94E-07	1.87E-07	3.80E-07
2399	566830.24	4216916.99	2.12E-06	2.11E-06	4.23E-06	1.84E-06	1.87E-06	3.70E-06	2.22E-07	3.03E-07	5.25E-07	1.93E-07	1.86E-07	3.80E-07
2400	566833.91	4216900.72	2.09E-06	2.08E-06	4.17E-06	1.81E-06	1.84E-06	3.65E-06	2.19E-07	2.98E-07	5.17E-07	1.91E-07	1.84E-07	3.74E-07
2401	566895.96	4217129.31	1.16E-06	1.15E-06	2.31E-06	1.00E-06	1.02E-06	2.03E-06	1.21E-07	1.66E-07	2.87E-07	1.06E-07	1.02E-07	2.08E-07
2402	566910.76	4217138.97	1.06E-06	1.06E-06	2.12E-06	9.23E-07	9.38E-07	1.86E-06	1.12E-07	1.52E-07	2.64E-07	9.72E-08	9.36E-08	1.91E-07
2403	566925.55	4217148.64	9.63E-07	9.60E-07	1.92E-06	8.36E-07	8.50E-07	1.69E-06	1.01E-07	1.38E-07	2.39E-07	8.80E-08	8.48E-08	1.73E-07
2404	566858.71	4217096.21	1.44E-06	1.43E-06	2.87E-06	1.25E-06	1.27E-06	2.51E-06	1.51E-07	2.05E-07	3.56E-07	1.31E-07	1.26E-07	2.57E-07
2405	566848.96	4217081.55	1.55E-06	1.54E-06	3.09E-06	1.34E-06	1.36E-06	2.71E-06	1.62E-07	2.21E-07	3.83E-07	1.41E-07	1.36E-07	2.77E-07
2406	566839.2	4217066.9	1.63E-06	1.63E-06	3.26E-06	1.42E-06	1.44E-06	2.86E-06	1.71E-07	2.34E-07	4.05E-07	1.49E-07	1.44E-07	2.93E-07
2407	566829.45	4217052.24	1.69E-06	1.69E-06	3.38E-06	1.47E-06	1.50E-06	2.97E-06	1.78E-07	2.42E-07	4.20E-07	1.55E-07	1.49E-07	3.04E-07
2408	566819.69	4217037.59	1.73E-06	1.72E-06	3.45E-06	1.50E-06	1.52E-06	3.02E-06	1.81E-07	2.47E-07	4.28E-07	1.58E-07	1.52E-07	3.10E-07
2409	566809.94	4217022.93	1.73E-06	1.72E-06	3.45E-06	1.50E-06	1.53E-06	3.03E-06	1.81E-07	2.47E-07	4.29E-07	1.58E-07	1.52E-07	3.10E-07
2410	566813.77	4216948.18	1.98E-06	1.97E-06	3.95E-06	1.72E-06	1.74E-06	3.46E-06	2.07E-07	2.83E-07	4.90E-07	1.81E-07	1.74E-07	3.55E-07

2411	566817.64	4216931.01	2.00E-06	1.99E-06	4.00E-06	1.74E-06	1.77E-06	3.50E-06	2.10E-07	2.86E-07	4.96E-07	1.83E-07	1.76E-07	3.59E-07
2412	566821.52	4216913.84	2.00E-06	1.99E-06	3.99E-06	1.73E-06	1.76E-06	3.49E-06	2.09E-07	2.85E-07	4.95E-07	1.82E-07	1.76E-07	3.58E-07
2413	566825.4	4216896.67	1.96E-06	1.96E-06	3.92E-06	1.70E-06	1.73E-06	3.44E-06	2.06E-07	2.81E-07	4.87E-07	1.79E-07	1.73E-07	3.52E-07
2414	566890.49	4217137.68	1.06E-06	1.05E-06	2.11E-06	9.18E-07	9.33E-07	1.85E-06	1.11E-07	1.51E-07	2.62E-07	9.66E-08	9.31E-08	1.90E-07
2415	566905.29	4217147.34	9.70E-07	9.67E-07	1.94E-06	8.42E-07	8.56E-07	1.70E-06	1.02E-07	1.39E-07	2.40E-07	8.86E-08	8.54E-08	1.74E-07
2416	566920.08	4217157.01	8.78E-07	8.75E-07	1.75E-06	7.62E-07	7.75E-07	1.54E-06	9.21E-08	1.26E-07	2.18E-07	8.02E-08	7.73E-08	1.58E-07
2417	566843.69	4217090.22	1.43E-06	1.42E-06	2.85E-06	1.24E-06	1.26E-06	2.50E-06	1.50E-07	2.04E-07	3.54E-07	1.30E-07	1.26E-07	2.56E-07
2418	566833.99	4217075.65	1.52E-06	1.51E-06	3.03E-06	1.32E-06	1.34E-06	2.65E-06	1.59E-07	2.17E-07	3.76E-07	1.38E-07	1.33E-07	2.72E-07
2419	566824.29	4217061.09	1.58E-06	1.58E-06	3.16E-06	1.37E-06	1.39E-06	2.77E-06	1.66E-07	2.26E-07	3.92E-07	1.44E-07	1.39E-07	2.83E-07
2420	566814.6	4217046.52	1.62E-06	1.61E-06	3.23E-06	1.41E-06	1.43E-06	2.83E-06	1.70E-07	2.32E-07	4.01E-07	1.48E-07	1.43E-07	2.91E-07
2421	566804.9	4217031.95	1.63E-06	1.63E-06	3.26E-06	1.42E-06	1.44E-06	2.86E-06	1.71E-07	2.34E-07	4.05E-07	1.49E-07	1.44E-07	2.93E-07
2422	566795.2	4217017.38	1.63E-06	1.62E-06	3.25E-06	1.41E-06	1.43E-06	2.84E-06	1.71E-07	2.32E-07	4.03E-07	1.48E-07	1.43E-07	2.92E-07
2423	566803.85	4216950.35	1.86E-06	1.86E-06	3.72E-06	1.62E-06	1.64E-06	3.26E-06	1.96E-07	2.66E-07	4.62E-07	1.70E-07	1.64E-07	3.34E-07
2424	566807.71	4216933.27	1.89E-06	1.88E-06	3.77E-06	1.64E-06	1.67E-06	3.31E-06	1.98E-07	2.70E-07	4.68E-07	1.73E-07	1.66E-07	3.39E-07
2425	566809.64	4216924.74	1.89E-06	1.89E-06	3.78E-06	1.64E-06	1.67E-06	3.31E-06	1.99E-07	2.71E-07	4.69E-07	1.73E-07	1.67E-07	3.40E-07
2426	566813.49	4216907.67	1.88E-06	1.88E-06	3.76E-06	1.63E-06	1.66E-06	3.29E-06	1.97E-07	2.69E-07	4.67E-07	1.72E-07	1.66E-07	3.38E-07
2427	566817.35	4216890.6	1.85E-06	1.84E-06	3.69E-06	1.60E-06	1.63E-06	3.23E-06	1.94E-07	2.64E-07	4.58E-07	1.69E-07	1.63E-07	3.31E-07
2428	566885.02	4217146.05	9.69E-07	9.66E-07	1.94E-06	8.41E-07	8.55E-07	1.70E-06	1.02E-07	1.39E-07	2.40E-07	8.85E-08	8.53E-08	1.74E-07
2429	566899.82	4217155.71	8.87E-07	8.84E-07	1.77E-06	7.69E-07	7.82E-07	1.55E-06	9.30E-08	1.27E-07	2.20E-07	8.10E-08	7.81E-08	1.59E-07
2430	566914.61	4217165.38	8.03E-07	8.01E-07	1.60E-06	6.97E-07	7.08E-07	1.41E-06	8.42E-08	1.15E-07	1.99E-07	7.33E-08	7.07E-08	1.44E-07
2431	566857.69	4217127.85	1.10E-06	1.10E-06	2.20E-06	9.56E-07	9.72E-07	1.93E-06	1.16E-07	1.57E-07	2.73E-07	1.01E-07	9.70E-08	1.98E-07
2432	566848.04	4217113.35	1.22E-06	1.21E-06	2.43E-06	1.06E-06	1.07E-06	2.13E-06	1.28E-07	1.74E-07	3.01E-07	1.11E-07	1.07E-07	2.18E-07
2433	566819.1	4217069.88	1.47E-06	1.47E-06	2.94E-06	1.28E-06	1.30E-06	2.58E-06	1.55E-07	2.11E-07	3.65E-07	1.35E-07	1.30E-07	2.64E-07
2434	566809.46	4217055.39	1.52E-06	1.51E-06	3.03E-06	1.32E-06	1.34E-06	2.66E-06	1.59E-07	2.17E-07	3.76E-07	1.39E-07	1.34E-07	2.72E-07
2435	566799.81	4217040.89	1.54E-06	1.54E-06	3.08E-06	1.34E-06	1.36E-06	2.70E-06	1.62E-07	2.20E-07	3.82E-07	1.41E-07	1.36E-07	2.77E-07
2436	566790.16	4217026.4	1.54E-06	1.54E-06	3.08E-06	1.34E-06	1.36E-06	2.70E-06	1.62E-07	2.21E-07	3.83E-07	1.41E-07	1.36E-07	2.77E-07
2437	566786.27	4216986.44	1.65E-06	1.64E-06	3.29E-06	1.43E-06	1.45E-06	2.89E-06	1.73E-07	2.36E-07	4.09E-07	1.51E-07	1.45E-07	2.96E-07
2438	566790.11	4216969.46	1.71E-06	1.71E-06	3.42E-06	1.49E-06	1.51E-06	3.00E-06	1.80E-07	2.45E-07	4.25E-07	1.57E-07	1.51E-07	3.07E-07
2439	566797.78	4216935.49	1.79E-06	1.78E-06	3.57E-06	1.55E-06	1.58E-06	3.13E-06	1.88E-07	2.56E-07	4.43E-07	1.63E-07	1.57E-07	3.21E-07
2440	566801.62	4216918.51	1.79E-06	1.79E-06	3.58E-06	1.56E-06	1.58E-06	3.14E-06	1.88E-07	2.56E-07	4.45E-07	1.64E-07	1.58E-07	3.22E-07
2441	566805.46	4216901.53	1.78E-06	1.77E-06	3.55E-06	1.54E-06	1.57E-06	3.11E-06	1.86E-07	2.54E-07	4.41E-07	1.62E-07	1.56E-07	3.19E-07
2442	566809.29	4216884.55	1.74E-06	1.73E-06	3.47E-06	1.51E-06	1.53E-06	3.04E-06	1.83E-07	2.49E-07	4.31E-07	1.59E-07	1.53E-07	3.12E-07
2443	566894.35	4217164.09	8.13E-07	8.11E-07	1.62E-06	7.06E-07	7.17E-07	1.42E-06	8.53E-08	1.16E-07	2.02E-07	7.43E-08	7.16E-08	1.46E-07
2444	566909.14	4217173.75	7.37E-07	7.34E-07	1.47E-06	6.39E-07	6.50E-07	1.29E-06	7.73E-08	1.05E-07	1.83E-07	6.73E-08	6.48E-08	1.32E-07
2445	566852.29	4217136.32	1.01E-06	1.01E-06	2.03E-06	8.80E-07	8.95E-07	1.77E-06	1.06E-07	1.45E-07	2.51E-07	9.26E-08	8.93E-08	1.82E-07
2446	566842.69	4217121.9	1.12E-06	1.12E-06	2.24E-06	9.73E-07	9.89E-07	1.96E-06	1.18E-07	1.60E-07	2.78E-07	1.02E-07	9.87E-08	2.01E-07
2447	566833.09	4217107.48	1.22E-06	1.22E-06	2.44E-06	1.06E-06	1.08E-06	2.13E-06	1.28E-07	1.74E-07	3.02E-07	1.11E-07	1.07E-07	2.19E-07
2448	566794.69	4217049.78	1.45E-06	1.45E-06	2.90E-06	1.26E-06	1.28E-06	2.54E-06	1.52E-07	2.08E-07	3.60E-07	1.33E-07	1.28E-07	2.61E-07
2449	566785.08	4217035.36	1.46E-06	1.46E-06	2.92E-06	1.27E-06	1.29E-06	2.56E-06	1.54E-07	2.09E-07	3.63E-07	1.34E-07	1.29E-07	2.63E-07
2450	566772.59	4217005.27	1.49E-06	1.48E-06	2.97E-06	1.29E-06	1.31E-06	2.60E-06	1.56E-07	2.13E-07	3.69E-07	1.36E-07	1.31E-07	2.67E-07
2451	566776.41	4216988.37	1.56E-06	1.55E-06	3.11E-06	1.35E-06	1.38E-06	2.73E-06	1.64E-07	2.23E-07	3.87E-07	1.42E-07	1.37E-07	2.80E-07
2452	566780.23	4216971.47	1.62E-06	1.62E-06	3.24E-06	1.41E-06	1.43E-06	2.84E-06	1.70E-07	2.32E-07	4.02E-07	1.48E-07	1.43E-07	2.91E-07
2453	566787.87	4216937.67	1.69E-06	1.69E-06	3.38E-06	1.47E-06	1.49E-06	2.96E-06	1.78E-07	2.42E-07	4.20E-07	1.55E-07	1.49E-07	3.04E-07
2454	566791.69	4216920.77	1.70E-06	1.70E-06	3.40E-06	1.48E-06	1.50E-06	2.98E-06	1.79E-07	2.43E-07	4.22E-07	1.56E-07	1.50E-07	3.05E-07
2455	566795.5	4216903.87	1.69E-06	1.69E-06	3.38E-06	1.47E-06	1.49E-06	2.96E-06	1.78E-07	2.42E-07	4.20E-07	1.55E-07	1.49E-07	3.04E-07
2456	566799.32	4216886.97	1.66E-06	1.66E-06	3.32E-06	1.44E-06	1.47E-06	2.91E-06	1.74E-07	2.38E-07	4.12E-07	1.52E-07	1.46E-07	2.98E-07
2457	566803.14	4216870.07	1.62E-06	1.61E-06	3.23E-06	1.40E-06	1.43E-06	2.83E-06	1.69E-07	2.31E-07	4.00E-07	1.48E-07	1.42E-07	2.90E-07
2458	566874.08	4217162.79	8.18E-07	8.16E-07	1.63E-06	7.10E-07	7.22E-07	1.43E-06	8.58E-08	1.17E-07	2.03E-07	7.48E-08	7.20E-08	1.47E-07
2459	566888.88	4217172.46	7.48E-07	7.46E-07	1.49E-06	6.49E-07	6.60E-07	1.31E-06	7.84E-08	1.07E-07	1.85E-07	6.83E-08	6.58E-08	1.34E-07
2460	566903.67	4217182.12	6.78E-07	6.76E-07	1.35E-06	5.88E-07	5.98E-07	1.19E-06	7.11E-08	9.69E-08	1.68E-07	6.19E-08	5.97E-08	1.22E-07
2461	566846.88	4217144.79	9.35E-07	9.32E-07	1.87E-06	8.11E-07	8.25E-07	1.64E-06	9.81E-08	1.34E-07	2.32E-07	8.54E-08	8.23E-08	1.68E-07
2462	566837.32	4217130.43	1.04E-06	1.03E-06	2.07E-06	8.98E-07	9.13E-07	1.81E-06	1.09E-07	1.48E-07	2.57E-07	9.46E-08	9.11E-08	1.86E-07
2463	566827.76	4217116.07	1.13E-06	1.13E-06	2.26E-06	9.81E-07	9.97E-07	1.98E-06	1.19E-07	1.62E-07	2.80E-07	1.03E-07	9.95E-08	2.03E-07
2464	566818.2	4217101.7	1.21E-06	1.21E-06	2.42E-06	1.05E-06	1.07E-06	2.12E-06	1.27E-07	1.73E-07	3.01E-07	1.11E-07	1.07E-07	2.18E-07
2465	566808.64	4217087.34	1.28E-06	1.28E-06	2.56E-06	1.11E-06	1.13E-06	2.24E-06	1.35E-07	1.83E-07	3.18E-07	1.17E-07	1.13E-07	2.30E-07
2466	566762.75	4217007.13	1.41E-06	1.41E-06	2.82E-06	1.22E-06	1.24E-06	2.47E-06	1.48E-07	2.02E-07	3.50E-07	1.29E-07	1.24E-07	2.53E-07
2467	566766.55	4216990.3	1.48E-06	1.47E-06	2.95E-06	1.28E-06	1.30E-06	2.59E-06	1.55E-07	2.11E-07	3.66E-07	1.35E-07	1.30E-07	2.65E-07
2468	566770.36	4216973.47	1.53E-06	1.53E-06	3.06E-06	1.33E-06	1.35E-06	2.69E-06	1.61E-07	2.19E-07	3.80E-07	1.40E-07	1.35E-07	2.75E-07
2469	566774.16	4216956.64	1.58E-06	1.57E-06	3.15E-06	1.37E-06	1.39E-06	2.76E-06	1.66E-07	2.26E-07	3.91E-07	1.44E-07	1.39E-07	2.83E-07
2470	566781.76	4216922.99	1.62E-06	1.61E-06	3.23E-06	1.40E-06	1.43E-06	2.83E-06	1.70E-07	2.31E-07	4.01E-07	1.48E-07	1.42E-07	2.90E-07
2471	566785.56	4216906.16	1.61E-06	1.61E-06	3.22E-06	1.40E-06	1.42E-06	2.82E-06	1.69E-07	2.31E-07	4.00E-07	1.47E-07	1.42E-07	2.89E-07
2472	566789.36	4216889.34	1.59E-06	1.59E-06	3.18E-06	1.38E-06	1.40E-06	2.78E-06	1.67E-07	2.27E-07	3.94E-07	1.45E-07	1.40E-07	2.85E-07
2473	566793.17	4216872.51	1.55E-06	1.55E-06	3.10E-06	1.35E-06	1.37E-06	2.71E-06	1.63E-07	2.22E-07	3.84E-07	1.42E-07	1.37E-07	2.78E-07
2474	566868.61	4217171.16	7.55E-07	7.52E-07	1.51E-06	6.55E-07	6.66E-07	1.32E-06	7.92E-08	1.08E-07	1.87E-07	6.89E-08	6.64E-08	1.35E-07
2475	566898.2	4217190.49	6.27E-07	6.25E-07	1.25E-06	5.44E-07	5.53E-07	1.10E-06	6.57E-08	8.96E-08	1.55E-07	5.72E-08	5.52E-08	1.12E-07
2476	566831.94	4217138.94	9.58E-07	9.55E-07	1.91E-06	8.31E-07	8.45E-07	1.68E-06	1.00E-07	1.37E-07	2.37E-07	8.75E-08	8.43E-08	1.72E-07
2477	566822.42	4217124.64	1.05E-06	1.04E-06	2.09E-06	9.09E-07	9.24E-07	1.83E-06	1.10E-07	1.50E-07	2.60E-07	9.57E-08	9.22E-08	1.88E-07
2478	566812.9	4217110.33	1.13E-06	1.13E-06	2.25E-06	9.79E-07	9.96E-07	1.97E-06	1.18E-07	1.61E-07	2.80E-07	1.03E-07	9.93E-08	2.02E-07
2479	566803.38	4217096.03	1.20E-06	1.19E-06	2.39E-06	1.04E-06	1.06E-06	2.09E-06	1.26E-07	1.71E-07	2.97E-07	1.09E-07	1.05E-07	2.15E-07
2480	566793.86	4217081.72	1.25E-06	1.25E-06	2.50E-06	1.09E-06	1.10E-06	2.19E-06	1.31E-07	1.79E-07	3.10E-07	1.14E-07	1.10E-07	2.25E-07
2481	566784.34	4217067.42	1.29E-06	1.29E-06	2.58E-06	1.12E-06	1.14E-06	2.26E-06	1.35E-07	1.84E-07	3.20E-07	1.18E-07	1.14E-07	2.31E-07

2482	566752.91	4217008.97	1.34E-06	1.34E-06	2.68E-06	1.16E-06	1.18E-06	2.35E-06	1.41E-07	1.92E-07	3.32E-07	1.22E-07	1.18E-07	2.40E-07
2483	566756.7	4216992.21	1.40E-06	1.40E-06	2.80E-06	1.22E-06	1.24E-06	2.45E-06	1.47E-07	2.01E-07	3.48E-07	1.28E-07	1.23E-07	2.52E-07
2484	566760.48	4216975.45	1.46E-06	1.45E-06	2.91E-06	1.26E-06	1.28E-06	2.55E-06	1.53E-07	2.08E-07	3.61E-07	1.33E-07	1.28E-07	2.61E-07
2485	566764.27	4216958.69	1.50E-06	1.49E-06	2.99E-06	1.30E-06	1.32E-06	2.62E-06	1.57E-07	2.14E-07	3.71E-07	1.37E-07	1.32E-07	2.69E-07
2486	566771.84	4216925.17	1.54E-06	1.54E-06	3.08E-06	1.34E-06	1.36E-06	2.69E-06	1.62E-07	2.20E-07	3.82E-07	1.41E-07	1.36E-07	2.76E-07
2487	566775.63	4216908.41	1.54E-06	1.53E-06	3.07E-06	1.33E-06	1.36E-06	2.69E-06	1.61E-07	2.20E-07	3.81E-07	1.41E-07	1.35E-07	2.76E-07
2488	566779.42	4216891.65	1.52E-06	1.52E-06	3.04E-06	1.32E-06	1.34E-06	2.66E-06	1.60E-07	2.17E-07	3.77E-07	1.39E-07	1.34E-07	2.73E-07
2489	566783.2	4216874.89	1.49E-06	1.48E-06	2.97E-06	1.29E-06	1.31E-06	2.60E-06	1.56E-07	2.13E-07	3.69E-07	1.36E-07	1.31E-07	2.67E-07
2490	566786.99	4216858.13	1.44E-06	1.44E-06	2.88E-06	1.25E-06	1.27E-06	2.52E-06	1.51E-07	2.06E-07	3.58E-07	1.32E-07	1.27E-07	2.59E-07
2491	566863.14	4217179.53	6.98E-07	6.96E-07	1.39E-06	6.06E-07	6.16E-07	1.22E-06	7.32E-08	9.98E-08	1.73E-07	6.38E-08	6.15E-08	1.25E-07
2492	566892.73	4217198.87	5.81E-07	5.79E-07	1.16E-06	5.04E-07	5.12E-07	1.02E-06	6.09E-08	8.30E-08	1.44E-07	5.30E-08	5.11E-08	1.04E-07
2493	566826.56	4217147.44	8.87E-07	8.85E-07	1.77E-06	7.70E-07	7.83E-07	1.55E-06	9.31E-08	1.27E-07	2.20E-07	8.11E-08	7.81E-08	1.59E-07
2494	566817.07	4217133.19	9.72E-07	9.69E-07	1.94E-06	8.43E-07	8.57E-07	1.70E-06	1.02E-07	1.39E-07	2.41E-07	8.88E-08	8.56E-08	1.74E-07
2495	566807.59	4217118.94	1.05E-06	1.05E-06	2.10E-06	9.11E-07	9.27E-07	1.84E-06	1.10E-07	1.50E-07	2.60E-07	9.59E-08	9.25E-08	1.88E-07
2496	566798.1	4217104.68	1.12E-06	1.11E-06	2.23E-06	9.70E-07	9.86E-07	1.96E-06	1.17E-07	1.60E-07	2.77E-07	1.02E-07	9.84E-08	2.01E-07
2497	566788.61	4217090.43	1.17E-06	1.17E-06	2.34E-06	1.02E-06	1.04E-06	2.05E-06	1.23E-07	1.68E-07	2.91E-07	1.07E-07	1.03E-07	2.11E-07
2498	566779.13	4217076.18	1.22E-06	1.21E-06	2.43E-06	1.05E-06	1.07E-06	2.13E-06	1.27E-07	1.74E-07	3.01E-07	1.11E-07	1.07E-07	2.18E-07
2499	566769.64	4217061.93	1.24E-06	1.24E-06	2.48E-06	1.08E-06	1.10E-06	2.17E-06	1.30E-07	1.78E-07	3.08E-07	1.13E-07	1.09E-07	2.23E-07
2500	566743.07	4217010.82	1.28E-06	1.27E-06	2.55E-06	1.11E-06	1.13E-06	2.23E-06	1.34E-07	1.82E-07	3.16E-07	1.17E-07	1.12E-07	2.29E-07
2501	566746.84	4216994.12	1.33E-06	1.33E-06	2.66E-06	1.16E-06	1.18E-06	2.33E-06	1.40E-07	1.91E-07	3.31E-07	1.22E-07	1.17E-07	2.39E-07
2502	566750.62	4216977.42	1.38E-06	1.38E-06	2.76E-06	1.20E-06	1.22E-06	2.42E-06	1.45E-07	1.98E-07	3.43E-07	1.26E-07	1.22E-07	2.48E-07
2503	566754.39	4216960.72	1.42E-06	1.42E-06	2.84E-06	1.23E-06	1.26E-06	2.49E-06	1.49E-07	2.03E-07	3.53E-07	1.30E-07	1.25E-07	2.55E-07
2504	566758.16	4216944.02	1.45E-06	1.45E-06	2.90E-06	1.26E-06	1.28E-06	2.54E-06	1.52E-07	2.08E-07	3.60E-07	1.33E-07	1.28E-07	2.60E-07
2505	566765.71	4216910.62	1.47E-06	1.46E-06	2.93E-06	1.27E-06	1.30E-06	2.57E-06	1.54E-07	2.10E-07	3.64E-07	1.34E-07	1.29E-07	2.63E-07
2506	566769.48	4216893.92	1.46E-06	1.45E-06	2.91E-06	1.26E-06	1.28E-06	2.55E-06	1.53E-07	2.08E-07	3.61E-07	1.33E-07	1.28E-07	2.61E-07
2507	566773.25	4216877.22	1.43E-06	1.42E-06	2.85E-06	1.24E-06	1.26E-06	2.50E-06	1.50E-07	2.04E-07	3.54E-07	1.31E-07	1.26E-07	2.56E-07
2508	566777.03	4216860.52	1.39E-06	1.39E-06	2.78E-06	1.21E-06	1.23E-06	2.43E-06	1.46E-07	1.99E-07	3.45E-07	1.27E-07	1.22E-07	2.49E-07
2509	566857.67	4217187.9	6.48E-07	6.46E-07	1.29E-06	5.62E-07	5.72E-07	1.13E-06	6.80E-08	9.26E-08	1.61E-07	5.92E-08	5.70E-08	1.16E-07
2510	566872.47	4217197.57	5.93E-07	5.91E-07	1.18E-06	5.15E-07	5.23E-07	1.04E-06	6.22E-08	8.48E-08	1.47E-07	5.42E-08	5.22E-08	1.06E-07
2511	566887.26	4217207.24	5.40E-07	5.38E-07	1.08E-06	4.68E-07	4.76E-07	9.44E-07	5.66E-08	7.71E-08	1.34E-07	4.93E-08	4.75E-08	9.68E-08
2512	566821.17	4217155.93	8.25E-07	8.22E-07	1.65E-06	7.15E-07	7.27E-07	1.44E-06	8.65E-08	1.18E-07	2.04E-07	7.53E-08	7.26E-08	1.48E-07
2513	566811.71	4217141.73	9.03E-07	9.00E-07	1.80E-06	7.84E-07	7.97E-07	1.58E-06	9.47E-08	1.29E-07	2.24E-07	8.25E-08	7.95E-08	1.62E-07
2514	566802.26	4217127.52	9.78E-07	9.75E-07	1.95E-06	8.49E-07	8.63E-07	1.71E-06	1.03E-07	1.40E-07	2.42E-07	8.94E-08	8.61E-08	1.75E-07
2515	566792.8	4217113.32	1.05E-06	1.04E-06	2.09E-06	9.07E-07	9.22E-07	1.83E-06	1.10E-07	1.49E-07	2.59E-07	9.55E-08	9.20E-08	1.87E-07
2516	566783.35	4217099.11	1.10E-06	1.10E-06	2.20E-06	9.55E-07	9.71E-07	1.93E-06	1.15E-07	1.57E-07	2.73E-07	1.01E-07	9.69E-08	1.97E-07
2517	566773.9	4217084.91	1.14E-06	1.14E-06	2.29E-06	9.93E-07	1.01E-06	2.00E-06	1.20E-07	1.64E-07	2.84E-07	1.05E-07	1.01E-07	2.05E-07
2518	566764.44	4217070.7	1.17E-06	1.17E-06	2.35E-06	1.02E-06	1.04E-06	2.06E-06	1.23E-07	1.68E-07	2.91E-07	1.07E-07	1.03E-07	2.11E-07
2519	566745.53	4217042.29	1.20E-06	1.19E-06	2.39E-06	1.04E-06	1.06E-06	2.10E-06	1.26E-07	1.71E-07	2.97E-07	1.09E-07	1.05E-07	2.15E-07
2520	566736.99	4216996.02	1.27E-06	1.27E-06	2.54E-06	1.10E-06	1.12E-06	2.22E-06	1.33E-07	1.81E-07	3.15E-07	1.16E-07	1.12E-07	2.28E-07
2521	566740.75	4216979.37	1.32E-06	1.31E-06	2.63E-06	1.14E-06	1.16E-06	2.30E-06	1.38E-07	1.88E-07	3.26E-07	1.20E-07	1.16E-07	2.36E-07
2522	566744.51	4216962.73	1.35E-06	1.35E-06	2.71E-06	1.18E-06	1.19E-06	2.37E-06	1.42E-07	1.94E-07	3.36E-07	1.24E-07	1.19E-07	2.43E-07
2523	566748.27	4216946.09	1.38E-06	1.38E-06	2.76E-06	1.20E-06	1.22E-06	2.42E-06	1.45E-07	1.98E-07	3.43E-07	1.26E-07	1.22E-07	2.48E-07
2524	566755.79	4216912.8	1.40E-06	1.40E-06	2.80E-06	1.22E-06	1.24E-06	2.45E-06	1.47E-07	2.00E-07	3.48E-07	1.28E-07	1.23E-07	2.52E-07
2525	566759.55	4216896.15	1.39E-06	1.39E-06	2.78E-06	1.21E-06	1.23E-06	2.44E-06	1.46E-07	1.99E-07	3.45E-07	1.27E-07	1.23E-07	2.50E-07
2526	566763.31	4216879.51	1.37E-06	1.37E-06	2.74E-06	1.19E-06	1.21E-06	2.40E-06	1.44E-07	1.96E-07	3.40E-07	1.25E-07	1.21E-07	2.46E-07
2527	566767.07	4216862.87	1.34E-06	1.34E-06	2.68E-06	1.16E-06	1.18E-06	2.34E-06	1.41E-07	1.91E-07	3.32E-07	1.22E-07	1.18E-07	2.40E-07
2528	566770.83	4216846.22	1.30E-06	1.29E-06	2.59E-06	1.12E-06	1.14E-06	2.27E-06	1.36E-07	1.85E-07	3.21E-07	1.18E-07	1.14E-07	2.32E-07
2529	566852.2	4217196.28	6.03E-07	6.01E-07	1.20E-06	5.23E-07	5.32E-07	1.05E-06	6.32E-08	8.61E-08	1.49E-07	5.50E-08	5.30E-08	1.08E-07
2530	566867	4217205.94	5.52E-07	5.50E-07	1.10E-06	4.79E-07	4.87E-07	9.66E-07	5.79E-08	7.89E-08	1.37E-07	5.04E-08	4.86E-08	9.90E-08
2531	566815.77	4217164.41	7.67E-07	7.65E-07	1.53E-06	6.66E-07	6.77E-07	1.34E-06	8.05E-08	1.10E-07	1.90E-07	7.01E-08	6.75E-08	1.38E-07
2532	566806.35	4217150.25	8.41E-07	8.38E-07	1.68E-06	7.30E-07	7.42E-07	1.47E-06	8.82E-08	1.20E-07	2.08E-07	7.68E-08	7.40E-08	1.51E-07
2533	566796.92	4217136.09	9.12E-07	9.09E-07	1.82E-06	7.91E-07	8.04E-07	1.60E-06	9.57E-08	1.30E-07	2.26E-07	8.33E-08	8.03E-08	1.64E-07
2534	566787.49	4217121.93	9.77E-07	9.74E-07	1.95E-06	8.48E-07	8.62E-07	1.71E-06	1.02E-07	1.40E-07	2.42E-07	8.93E-08	8.60E-08	1.75E-07
2535	566778.07	4217107.77	1.03E-06	1.03E-06	2.06E-06	8.96E-07	9.11E-07	1.81E-06	1.08E-07	1.48E-07	2.56E-07	9.43E-08	9.09E-08	1.85E-07
2536	566768.64	4217093.61	1.08E-06	1.07E-06	2.15E-06	9.35E-07	9.51E-07	1.89E-06	1.13E-07	1.54E-07	2.67E-07	9.84E-08	9.49E-08	1.93E-07
2537	566759.22	4217079.44	1.11E-06	1.11E-06	2.22E-06	9.64E-07	9.80E-07	1.94E-06	1.17E-07	1.59E-07	2.75E-07	1.01E-07	9.78E-08	1.99E-07
2538	566740.37	4217051.12	1.14E-06	1.14E-06	2.28E-06	9.91E-07	1.01E-06	2.00E-06	1.20E-07	1.63E-07	2.83E-07	1.04E-07	1.01E-07	2.05E-07
2539	566730.94	4217036.96	1.14E-06	1.14E-06	2.28E-06	9.91E-07	1.01E-06	2.00E-06	1.20E-07	1.63E-07	2.83E-07	1.04E-07	1.01E-07	2.05E-07
2540	566727.14	4216997.91	1.21E-06	1.21E-06	2.42E-06	1.05E-06	1.07E-06	2.12E-06	1.27E-07	1.73E-07	3.00E-07	1.11E-07	1.07E-07	2.17E-07
2541	566730.89	4216981.32	1.25E-06	1.25E-06	2.51E-06	1.09E-06	1.11E-06	2.20E-06	1.32E-07	1.79E-07	3.11E-07	1.15E-07	1.10E-07	2.25E-07
2542	566734.64	4216964.72	1.29E-06	1.29E-06	2.58E-06	1.12E-06	1.14E-06	2.26E-06	1.35E-07	1.85E-07	3.20E-07	1.18E-07	1.14E-07	2.32E-07
2543	566738.39	4216948.13	1.32E-06	1.31E-06	2.63E-06	1.14E-06	1.16E-06	2.31E-06	1.38E-07	1.88E-07	3.27E-07	1.20E-07	1.16E-07	2.36E-07
2544	566742.13	4216931.54	1.34E-06	1.33E-06	2.67E-06	1.16E-06	1.18E-06	2.34E-06	1.40E-07	1.91E-07	3.31E-07	1.22E-07	1.18E-07	2.39E-07
2545	566749.63	4216898.35	1.34E-06	1.33E-06	2.67E-06	1.16E-06	1.18E-06	2.34E-06	1.40E-07	1.91E-07	3.31E-07	1.22E-07	1.18E-07	2.40E-07
2546	566753.38	4216881.76	1.32E-06	1.31E-06	2.63E-06	1.14E-06	1.16E-06	2.31E-06	1.38E-07	1.89E-07	3.27E-07	1.20E-07	1.16E-07	2.37E-07
2547	566757.13	4216865.17	1.29E-06	1.29E-06	2.58E-06	1.12E-06	1.14E-06	2.26E-06	1.35E-07	1.85E-07	3.20E-07	1.18E-07	1.14E-07	2.32E-07
2548	566760.88	4216848.57	1.25E-06	1.25E-06	2.50E-06	1.09E-06	1.11E-06	2.19E-06	1.31E-07	1.79E-07	3.10E-07	1.14E-07	1.10E-07	2.25E-07
2549	566846.73	4217204.65	5.62E-07	5.60E-07	1.12E-06	4.87E-07	4.95E-07	9.83E-07	5.89E-08	8.03E-08	1.39E-07	5.13E-08	4.94E-08	1.01E-07
2550	566861.53	4217214.31	5.14E-07	5.13E-07	1.03E-06	4.46E-07	4.54E-07	9.00E-07	5.40E-08	7.35E-08	1.27E-07	4.70E-08	4.53E-08	9.23E-08
2551	566809.43	4217171.47	7.22E-07	7.20E-07	1.44E-06	6.27E-07	6.37E-07	1.26E-06	7.58E-08	1.03E-07	1.79E-07	6.60E-08	6.36E-08	1.30E-07
2552	566799.65	4217156.78	7.94E-07	7.92E-07	1.59E-06	6.89E-07	7.00E-07	1.39E-06	8.33E-08	1.14E-07	1.97E-07	7.25E-08	6.99E-08	1.42E-07

2553	566789.88	4217142.1	8.63E-07	8.60E-07	1.72E-06	7.49E-07	7.61E-07	1.51E-06	9.05E-08	1.23E-07	2.14E-07	7.88E-08	7.60E-08	1.55E-07
2554	566780.1	4217127.41	9.27E-07	9.24E-07	1.85E-06	8.04E-07	8.18E-07	1.62E-06	9.72E-08	1.33E-07	2.30E-07	8.47E-08	8.16E-08	1.66E-07
2555	566765.44	4217105.39	1.01E-06	1.00E-06	2.01E-06	8.73E-07	8.87E-07	1.76E-06	1.05E-07	1.44E-07	2.49E-07	9.19E-08	8.85E-08	1.80E-07
2556	566755.67	4217090.7	1.04E-06	1.04E-06	2.09E-06	9.06E-07	9.22E-07	1.83E-06	1.10E-07	1.49E-07	2.59E-07	9.54E-08	9.20E-08	1.87E-07
2557	566736.12	4217061.33	1.09E-06	1.08E-06	2.17E-06	9.44E-07	9.60E-07	1.90E-06	1.14E-07	1.55E-07	2.70E-07	9.94E-08	9.57E-08	1.95E-07
2558	566726.34	4217046.64	1.09E-06	1.09E-06	2.18E-06	9.48E-07	9.64E-07	1.91E-06	1.15E-07	1.56E-07	2.71E-07	9.98E-08	9.62E-08	1.96E-07
2559	566716.57	4217031.96	1.09E-06	1.08E-06	2.17E-06	9.44E-07	9.60E-07	1.90E-06	1.14E-07	1.56E-07	2.70E-07	9.94E-08	9.58E-08	1.95E-07
2560	566713.63	4217016.01	1.11E-06	1.11E-06	2.21E-06	9.62E-07	9.78E-07	1.94E-06	1.16E-07	1.59E-07	2.75E-07	1.01E-07	9.76E-08	1.99E-07
2561	566719.46	4216990.2	1.18E-06	1.18E-06	2.36E-06	1.02E-06	1.04E-06	2.07E-06	1.24E-07	1.69E-07	2.92E-07	1.08E-07	1.04E-07	2.12E-07
2562	566723.34	4216972.99	1.22E-06	1.22E-06	2.43E-06	1.06E-06	1.08E-06	2.13E-06	1.28E-07	1.74E-07	3.02E-07	1.11E-07	1.07E-07	2.19E-07
2563	566727.23	4216955.79	1.25E-06	1.25E-06	2.50E-06	1.08E-06	1.10E-06	2.19E-06	1.31E-07	1.79E-07	3.10E-07	1.14E-07	1.10E-07	2.24E-07
2564	566729.18	4216947.18	1.26E-06	1.26E-06	2.52E-06	1.09E-06	1.11E-06	2.21E-06	1.32E-07	1.80E-07	3.13E-07	1.15E-07	1.11E-07	2.26E-07
2565	566733.06	4216929.97	1.28E-06	1.27E-06	2.55E-06	1.11E-06	1.13E-06	2.24E-06	1.34E-07	1.83E-07	3.17E-07	1.17E-07	1.13E-07	2.29E-07
2566	566738.9	4216904.16	1.28E-06	1.28E-06	2.56E-06	1.11E-06	1.13E-06	2.24E-06	1.34E-07	1.83E-07	3.18E-07	1.17E-07	1.13E-07	2.30E-07
2567	566742.78	4216886.96	1.27E-06	1.27E-06	2.54E-06	1.10E-06	1.12E-06	2.22E-06	1.33E-07	1.82E-07	3.15E-07	1.16E-07	1.12E-07	2.28E-07
2568	566746.67	4216869.75	1.25E-06	1.24E-06	2.49E-06	1.08E-06	1.10E-06	2.18E-06	1.31E-07	1.78E-07	3.09E-07	1.14E-07	1.10E-07	2.24E-07
2569	566750.56	4216852.54	1.21E-06	1.21E-06	2.43E-06	1.05E-06	1.07E-06	2.13E-06	1.27E-07	1.74E-07	3.01E-07	1.11E-07	1.07E-07	2.18E-07
2570	566754.45	4216835.33	1.17E-06	1.17E-06	2.34E-06	1.02E-06	1.03E-06	2.05E-06	1.23E-07	1.68E-07	2.91E-07	1.07E-07	1.03E-07	2.10E-07
2571	566841.26	4217213.02	5.24E-07	5.22E-07	1.05E-06	4.55E-07	4.62E-07	9.17E-07	5.49E-08	7.49E-08	1.30E-07	4.79E-08	4.61E-08	9.40E-08
2572	566856.06	4217222.68	4.80E-07	4.79E-07	9.59E-07	4.17E-07	4.24E-07	8.40E-07	5.04E-08	6.87E-08	1.19E-07	4.39E-08	4.23E-08	8.62E-08
2573	566870.85	4217232.35	4.39E-07	4.38E-07	8.77E-07	3.81E-07	3.87E-07	7.68E-07	4.60E-08	6.28E-08	1.09E-07	4.01E-08	3.86E-08	7.87E-08
2574	566823.53	4217209.24	5.41E-07	5.39E-07	1.08E-06	4.69E-07	4.77E-07	9.46E-07	5.67E-08	7.73E-08	1.34E-07	4.94E-08	4.76E-08	9.70E-08
2575	566784.59	4217150.74	8.07E-07	8.04E-07	1.61E-06	7.00E-07	7.11E-07	1.41E-06	8.46E-08	1.15E-07	2.00E-07	7.37E-08	7.10E-08	1.45E-07
2576	566774.86	4217136.12	8.68E-07	8.65E-07	1.73E-06	7.53E-07	7.65E-07	1.52E-06	9.10E-08	1.24E-07	2.15E-07	7.93E-08	7.64E-08	1.56E-07
2577	566765.12	4217121.49	9.22E-07	9.20E-07	1.84E-06	8.00E-07	8.14E-07	1.61E-06	9.68E-08	1.32E-07	2.29E-07	8.43E-08	8.12E-08	1.65E-07
2578	566755.39	4217106.87	9.68E-07	9.65E-07	1.93E-06	8.40E-07	8.54E-07	1.69E-06	1.02E-07	1.38E-07	2.40E-07	8.84E-08	8.52E-08	1.74E-07
2579	566745.65	4217092.24	1.00E-06	9.99E-07	2.00E-06	8.70E-07	8.84E-07	1.75E-06	1.05E-07	1.43E-07	2.48E-07	9.16E-08	8.83E-08	1.80E-07
2580	566726.18	4217062.99	1.04E-06	1.04E-06	2.08E-06	9.03E-07	9.18E-07	1.82E-06	1.09E-07	1.49E-07	2.58E-07	9.51E-08	9.16E-08	1.87E-07
2581	566716.45	4217048.37	1.05E-06	1.04E-06	2.09E-06	9.07E-07	9.22E-07	1.83E-06	1.10E-07	1.49E-07	2.59E-07	9.55E-08	9.20E-08	1.88E-07
2582	566706.71	4217033.74	1.04E-06	1.04E-06	2.08E-06	9.03E-07	9.18E-07	1.82E-06	1.09E-07	1.49E-07	2.58E-07	9.51E-08	9.16E-08	1.87E-07
2583	566703.78	4217017.86	1.06E-06	1.06E-06	2.12E-06	9.20E-07	9.36E-07	1.86E-06	1.11E-07	1.52E-07	2.63E-07	9.69E-08	9.34E-08	1.90E-07
2584	566711.53	4216983.59	1.15E-06	1.14E-06	2.29E-06	9.95E-07	1.01E-06	2.01E-06	1.20E-07	1.64E-07	2.84E-07	1.05E-07	1.01E-07	2.06E-07
2585	566715.4	4216966.45	1.18E-06	1.18E-06	2.36E-06	1.02E-06	1.04E-06	2.07E-06	1.24E-07	1.69E-07	2.93E-07	1.08E-07	1.04E-07	2.12E-07
2586	566719.27	4216949.32	1.21E-06	1.20E-06	2.41E-06	1.05E-06	1.06E-06	2.11E-06	1.26E-07	1.72E-07	2.99E-07	1.10E-07	1.06E-07	2.16E-07
2587	566721.21	4216940.75	1.22E-06	1.21E-06	2.43E-06	1.05E-06	1.07E-06	2.13E-06	1.27E-07	1.74E-07	3.01E-07	1.11E-07	1.07E-07	2.18E-07
2588	566725.08	4216923.61	1.23E-06	1.22E-06	2.45E-06	1.06E-06	1.08E-06	2.15E-06	1.29E-07	1.75E-07	3.04E-07	1.12E-07	1.08E-07	2.20E-07
2589	566732.82	4216889.34	1.22E-06	1.22E-06	2.44E-06	1.06E-06	1.08E-06	2.14E-06	1.28E-07	1.75E-07	3.03E-07	1.12E-07	1.07E-07	2.19E-07
2590	566736.69	4216872.2	1.20E-06	1.20E-06	2.40E-06	1.04E-06	1.06E-06	2.10E-06	1.26E-07	1.72E-07	2.98E-07	1.10E-07	1.06E-07	2.16E-07
2591	566740.57	4216855.06	1.17E-06	1.17E-06	2.35E-06	1.02E-06	1.04E-06	2.06E-06	1.23E-07	1.68E-07	2.91E-07	1.07E-07	1.03E-07	2.11E-07
2592	566835.79	4217221.39	4.90E-07	4.88E-07	9.78E-07	4.25E-07	4.32E-07	8.57E-07	5.14E-08	7.00E-08	1.21E-07	4.47E-08	4.31E-08	8.78E-08
2593	566850.59	4217231.06	4.49E-07	4.48E-07	8.97E-07	3.90E-07	3.96E-07	7.86E-07	4.71E-08	6.42E-08	1.11E-07	4.10E-08	3.96E-08	8.06E-08
2594	566865.38	4217240.72	4.11E-07	4.10E-07	8.22E-07	3.57E-07	3.63E-07	7.20E-07	4.32E-08	5.88E-08	1.02E-07	3.76E-08	3.62E-08	7.38E-08
2595	566818.08	4217217.64	5.06E-07	5.05E-07	1.01E-06	4.39E-07	4.46E-07	8.86E-07	5.31E-08	7.24E-08	1.25E-07	4.62E-08	4.46E-08	9.08E-08
2596	566798.68	4217188.5	6.29E-07	6.27E-07	1.26E-06	5.46E-07	5.55E-07	1.10E-06	6.60E-08	9.00E-08	1.56E-07	5.75E-08	5.54E-08	1.13E-07
2597	566769.59	4217144.8	8.13E-07	8.11E-07	1.62E-06	7.05E-07	7.17E-07	1.42E-06	8.53E-08	1.16E-07	2.02E-07	7.43E-08	7.16E-08	1.46E-07
2598	566759.89	4217130.23	8.66E-07	8.64E-07	1.73E-06	7.52E-07	7.64E-07	1.52E-06	9.09E-08	1.24E-07	2.15E-07	7.91E-08	7.63E-08	1.55E-07
2599	566750.2	4217115.66	9.12E-07	9.10E-07	1.82E-06	7.92E-07	8.05E-07	1.60E-06	9.57E-08	1.30E-07	2.26E-07	8.33E-08	8.03E-08	1.64E-07
2600	566740.5	4217101.09	9.49E-07	9.46E-07	1.89E-06	8.23E-07	8.37E-07	1.66E-06	9.95E-08	1.36E-07	2.35E-07	8.66E-08	8.35E-08	1.70E-07
2601	566721.11	4217071.95	9.92E-07	9.89E-07	1.98E-06	8.61E-07	8.75E-07	1.74E-06	1.04E-07	1.42E-07	2.46E-07	9.07E-08	8.74E-08	1.78E-07
2602	566711.41	4217057.38	1.00E-06	9.97E-07	2.00E-06	8.68E-07	8.83E-07	1.75E-06	1.05E-07	1.43E-07	2.48E-07	9.14E-08	8.81E-08	1.79E-07
2603	566701.71	4217042.81	1.00E-06	9.97E-07	2.00E-06	8.68E-07	8.82E-07	1.75E-06	1.05E-07	1.43E-07	2.48E-07	9.14E-08	8.81E-08	1.79E-07
2604	566693.94	4217019.71	1.02E-06	1.01E-06	2.03E-06	8.81E-07	8.96E-07	1.78E-06	1.07E-07	1.45E-07	2.52E-07	9.28E-08	8.94E-08	1.82E-07
2605	566697.8	4217002.64	1.06E-06	1.06E-06	2.11E-06	9.19E-07	9.34E-07	1.85E-06	1.11E-07	1.51E-07	2.62E-07	9.67E-08	9.32E-08	1.90E-07
2606	566701.66	4216985.57	1.10E-06	1.09E-06	2.19E-06	9.52E-07	9.67E-07	1.92E-06	1.15E-07	1.57E-07	2.72E-07	1.00E-07	9.65E-08	1.97E-07
2607	566705.51	4216968.5	1.13E-06	1.13E-06	2.25E-06	9.79E-07	9.96E-07	1.97E-06	1.18E-07	1.61E-07	2.80E-07	1.03E-07	9.93E-08	2.02E-07
2608	566709.37	4216951.43	1.15E-06	1.15E-06	2.30E-06	1.00E-06	1.02E-06	2.02E-06	1.21E-07	1.65E-07	2.86E-07	1.05E-07	1.02E-07	2.07E-07
2609	566713.23	4216934.36	1.17E-06	1.17E-06	2.34E-06	1.02E-06	1.03E-06	2.05E-06	1.23E-07	1.67E-07	2.90E-07	1.07E-07	1.03E-07	2.10E-07
2610	566717.08	4216917.28	1.18E-06	1.18E-06	2.35E-06	1.02E-06	1.04E-06	2.06E-06	1.24E-07	1.69E-07	2.92E-07	1.08E-07	1.04E-07	2.11E-07
2611	566722.87	4216891.68	1.17E-06	1.17E-06	2.34E-06	1.02E-06	1.04E-06	2.05E-06	1.23E-07	1.68E-07	2.91E-07	1.07E-07	1.03E-07	2.11E-07
2612	566726.73	4216874.61	1.16E-06	1.16E-06	2.31E-06	1.01E-06	1.02E-06	2.03E-06	1.22E-07	1.66E-07	2.87E-07	1.06E-07	1.02E-07	2.08E-07
2613	566830.32	4217229.76	4.59E-07	4.57E-07	9.16E-07	3.98E-07	4.05E-07	8.03E-07	4.81E-08	6.56E-08	1.14E-07	4.19E-08	4.04E-08	8.23E-08
2614	566845.12	4217239.43	4.21E-07	4.20E-07	8.41E-07	3.65E-07	3.72E-07	7.37E-07	4.42E-08	6.02E-08	1.04E-07	3.85E-08	3.71E-08	7.56E-08
2615	566859.91	4217249.09	3.86E-07	3.85E-07	7.72E-07	3.35E-07	3.41E-07	6.76E-07	4.05E-08	5.52E-08	9.58E-08	3.53E-08	3.40E-08	6.93E-08
2616	566812.62	4217226.04	4.75E-07	4.73E-07	9.48E-07	4.12E-07	4.19E-07	8.31E-07	4.98E-08	6.79E-08	1.18E-07	4.34E-08	4.18E-08	8.51E-08
2617	566793.3	4217197.01	5.89E-07	5.87E-07	1.18E-06	5.11E-07	5.19E-07	1.03E-06	6.17E-08	8.42E-08	1.46E-07	5.38E-08	5.18E-08	1.06E-07
2618	566783.64	4217182.49	6.49E-07	6.47E-07	1.30E-06	5.63E-07	5.72E-07	1.14E-06	6.80E-08	9.27E-08	1.61E-07	5.93E-08	5.71E-08	1.16E-07
2619	566773.97	4217167.97	7.08E-07	7.05E-07	1.41E-06	6.14E-07	6.24E-07	1.24E-06	7.42E-08	1.01E-07	1.75E-07	6.46E-08	6.23E-08	1.27E-07
2620	566744.99	4217124.42	8.60E-07	8.57E-07	1.72E-06	7.46E-07	7.59E-07	1.50E-06	9.02E-08	1.23E-07	2.13E-07	7.86E-08	7.57E-08	1.54E-07
2621	566735.32	4217109.9	8.97E-07	8.95E-07	1.79E-06	7.79E-07	7.92E-07	1.57E-06	9.41E-08	1.28E-07	2.22E-07	8.20E-08	7.90E-08	1.61E-07
2622	566716	4217080.87	9.46E-07	9.43E-07	1.89E-06	8.20E-07	8.34E-07	1.65E-06	9.92E-08	1.35E-07	2.34E-07	8.64E-08	8.32E-08	1.70E-07
2623	566706.34	4217066.35	9.57E-07	9.54E-07	1.91E-06	8.30E-07	8.44E-07	1.67E-06	1.00E-07	1.37E-07	2.37E-07	8.74E-08	8.42E-08	1.72E-07

2624	566696.67	4217051.84	9.60E-07	9.57E-07	1.92E-06	8.33E-07	8.47E-07	1.68E-06	1.01E-07	1.37E-07	2.38E-07	8.77E-08	8.45E-08	1.72E-07
2625	566687.01	4217037.32	9.56E-07	9.53E-07	1.91E-06	8.29E-07	8.43E-07	1.67E-06	1.00E-07	1.37E-07	2.37E-07	8.73E-08	8.41E-08	1.71E-07
2626	566684.1	4217021.56	9.73E-07	9.70E-07	1.94E-06	8.44E-07	8.58E-07	1.70E-06	1.02E-07	1.39E-07	2.41E-07	8.89E-08	8.56E-08	1.75E-07
2627	566687.94	4217004.55	1.01E-06	1.01E-06	2.02E-06	8.79E-07	8.94E-07	1.77E-06	1.06E-07	1.45E-07	2.51E-07	9.26E-08	8.92E-08	1.82E-07
2628	566695.63	4216970.53	1.08E-06	1.08E-06	2.16E-06	9.37E-07	9.53E-07	1.89E-06	1.13E-07	1.54E-07	2.68E-07	9.87E-08	9.51E-08	1.94E-07
2629	566699.47	4216953.52	1.10E-06	1.10E-06	2.21E-06	9.58E-07	9.74E-07	1.93E-06	1.16E-07	1.58E-07	2.74E-07	1.01E-07	9.72E-08	1.98E-07
2630	566703.32	4216936.51	1.12E-06	1.12E-06	2.24E-06	9.73E-07	9.90E-07	1.96E-06	1.18E-07	1.60E-07	2.78E-07	1.02E-07	9.87E-08	2.01E-07
2631	566707.16	4216919.5	1.13E-06	1.13E-06	2.26E-06	9.81E-07	9.98E-07	1.98E-06	1.19E-07	1.62E-07	2.80E-07	1.03E-07	9.96E-08	2.03E-07
2632	566730.22	4216817.44	1.02E-06	1.01E-06	2.03E-06	8.81E-07	8.96E-07	1.78E-06	1.06E-07	1.45E-07	2.52E-07	9.27E-08	8.94E-08	1.82E-07
2633	566824.85	4217238.13	4.31E-07	4.29E-07	8.60E-07	3.74E-07	3.80E-07	7.54E-07	4.52E-08	6.16E-08	1.07E-07	3.93E-08	3.79E-08	7.72E-08
2634	566839.65	4217247.8	3.96E-07	3.95E-07	7.91E-07	3.44E-07	3.49E-07	6.93E-07	4.15E-08	5.66E-08	9.81E-08	3.62E-08	3.49E-08	7.10E-08
2635	566854.44	4217257.46	3.64E-07	3.62E-07	7.26E-07	3.15E-07	3.21E-07	6.36E-07	3.81E-08	5.20E-08	9.01E-08	3.32E-08	3.20E-08	6.52E-08
2636	567028.78	4217030.96	8.34E-06	8.31E-06	1.66E-05	7.23E-06	7.35E-06	1.46E-05	8.74E-07	1.19E-06	2.07E-06	7.62E-07	7.34E-07	1.50E-06
2637	567018.45	4217028.67	7.66E-06	7.63E-06	1.53E-05	6.64E-06	6.75E-06	1.34E-05	8.03E-07	1.09E-06	1.90E-06	6.99E-07	6.74E-07	1.37E-06
2638	567040.63	4217040.44	7.79E-06	7.77E-06	1.56E-05	6.76E-06	6.88E-06	1.36E-05	8.17E-07	1.11E-06	1.93E-06	7.12E-07	6.86E-07	1.40E-06
2639	567029.22	4217040.64	6.75E-06	6.73E-06	1.35E-05	5.85E-06	5.95E-06	1.18E-05	7.08E-07	9.64E-07	1.67E-06	6.16E-07	5.94E-07	1.21E-06
2640	567017.41	4217038.02	6.29E-06	6.27E-06	1.26E-05	5.46E-06	5.55E-06	1.10E-05	6.60E-07	8.99E-07	1.56E-06	5.75E-07	5.54E-07	1.13E-06
2641	567055.69	4217042.82	9.00E-06	8.97E-06	1.80E-05	7.81E-06	7.94E-06	1.58E-05	9.44E-07	1.29E-06	2.23E-06	8.22E-07	7.92E-07	1.61E-06
2642	567045.39	4217048.5	6.66E-06	6.64E-06	1.33E-05	5.78E-06	5.87E-06	1.16E-05	6.98E-07	9.52E-07	1.65E-06	6.08E-07	5.86E-07	1.19E-06
2643	567034.69	4217051.43	5.56E-06	5.55E-06	1.11E-05	4.83E-06	4.91E-06	9.74E-06	5.84E-07	7.95E-07	1.38E-06	5.08E-07	4.90E-07	9.98E-07
2644	567023.2	4217048.89	5.34E-06	5.32E-06	1.07E-05	4.63E-06	4.71E-06	9.34E-06	5.60E-07	7.63E-07	1.32E-06	4.87E-07	4.70E-07	9.57E-07
2645	567011.72	4217046.34	5.11E-06	5.09E-06	1.02E-05	4.43E-06	4.51E-06	8.94E-06	5.36E-07	7.30E-07	1.27E-06	4.67E-07	4.50E-07	9.16E-07
2646	567063.55	4217049.18	8.09E-06	8.07E-06	1.62E-05	7.02E-06	7.14E-06	1.42E-05	8.49E-07	1.16E-06	2.01E-06	7.39E-07	7.12E-07	1.45E-06
2647	567053.43	4217054.75	6.05E-06	6.03E-06	1.21E-05	5.25E-06	5.34E-06	1.06E-05	6.35E-07	8.65E-07	1.50E-06	5.53E-07	5.33E-07	1.09E-06
2648	567043.31	4217060.32	4.80E-06	4.79E-06	9.59E-06	4.17E-06	4.24E-06	8.40E-06	5.04E-07	6.87E-07	1.19E-06	4.39E-07	4.23E-07	8.61E-07
2649	567081.31	4217050.08	1.04E-05	1.03E-05	2.07E-05	8.99E-06	9.14E-06	1.81E-05	1.09E-06	1.48E-06	2.57E-06	9.46E-07	9.12E-07	1.86E-06
2650	567071.33	4217055.58	7.19E-06	7.17E-06	1.44E-05	6.24E-06	6.34E-06	1.26E-05	7.54E-07	1.03E-06	1.78E-06	6.57E-07	6.33E-07	1.29E-06
2651	567061.34	4217061.08	5.43E-06	5.41E-06	1.08E-05	4.71E-06	4.79E-06	9.49E-06	5.69E-07	7.76E-07	1.34E-06	4.96E-07	4.78E-07	9.73E-07
2652	567088.71	4217056.68	8.88E-06	8.85E-06	1.77E-05	7.70E-06	7.83E-06	1.55E-05	9.31E-07	1.27E-06	2.20E-06	8.11E-07	7.81E-07	1.59E-06
2653	567078.11	4217062.52	6.17E-06	6.15E-06	1.23E-05	5.35E-06	5.44E-06	1.08E-05	6.47E-07	8.82E-07	1.53E-06	5.63E-07	5.43E-07	1.11E-06
2654	567067.51	4217068.36	4.62E-06	4.61E-06	9.23E-06	4.01E-06	4.08E-06	8.09E-06	4.85E-07	6.61E-07	1.15E-06	4.22E-07	4.07E-07	8.29E-07
2655	567046.31	4217080.03	3.05E-06	3.04E-06	6.09E-06	2.65E-06	2.69E-06	5.34E-06	3.20E-07	4.36E-07	7.56E-07	2.79E-07	2.68E-07	5.47E-07
2656	567030.97	4217079.36	2.94E-06	2.93E-06	5.87E-06	2.55E-06	2.59E-06	5.14E-06	3.08E-07	4.20E-07	7.28E-07	2.68E-07	2.59E-07	5.27E-07
2657	567019.15	4217076.74	2.98E-06	2.97E-06	5.95E-06	2.59E-06	2.63E-06	5.22E-06	3.13E-07	4.26E-07	7.39E-07	2.72E-07	2.62E-07	5.35E-07
2658	566995.52	4217071.51	3.01E-06	3.00E-06	6.01E-06	2.61E-06	2.65E-06	5.27E-06	3.16E-07	4.30E-07	7.46E-07	2.75E-07	2.65E-07	5.40E-07
2659	567096.37	4217063.15	7.56E-06	7.54E-06	1.51E-05	6.56E-06	6.67E-06	1.32E-05	7.93E-07	1.08E-06	1.87E-06	6.91E-07	6.66E-07	1.36E-06
2660	567085.94	4217068.89	5.41E-06	5.40E-06	1.08E-05	4.70E-06	4.78E-06	9.47E-06	5.68E-07	7.74E-07	1.34E-06	4.94E-07	4.76E-07	9.71E-07
2661	567054.64	4217086.13	2.73E-06	2.72E-06	5.45E-06	2.37E-06	2.41E-06	4.78E-06	2.86E-07	3.90E-07	6.76E-07	2.49E-07	2.40E-07	4.90E-07
2662	567040.33	4217091.02	2.37E-06	2.36E-06	4.73E-06	2.05E-06	2.09E-06	4.14E-06	2.48E-07	3.39E-07	5.87E-07	2.16E-07	2.08E-07	4.25E-07
2663	567028.7	4217088.44	2.43E-06	2.43E-06	4.86E-06	2.11E-06	2.15E-06	4.26E-06	2.55E-07	3.48E-07	6.03E-07	2.22E-07	2.14E-07	4.37E-07
2664	567017.07	4217085.86	2.50E-06	2.49E-06	4.98E-06	2.17E-06	2.20E-06	4.37E-06	2.62E-07	3.57E-07	6.19E-07	2.28E-07	2.20E-07	4.48E-07
2665	567104.02	4217069.62	6.40E-06	6.38E-06	1.28E-05	5.55E-06	5.64E-06	1.12E-05	6.71E-07	9.14E-07	1.59E-06	5.84E-07	5.63E-07	1.15E-06
2666	567093.72	4217075.29	4.71E-06	4.70E-06	9.41E-06	4.09E-06	4.16E-06	8.24E-06	4.94E-07	6.74E-07	1.17E-06	4.30E-07	4.15E-07	8.45E-07
2667	567073.11	4217086.64	2.91E-06	2.90E-06	5.80E-06	2.52E-06	2.56E-06	5.09E-06	3.05E-07	4.16E-07	7.20E-07	2.66E-07	2.56E-07	5.21E-07
2668	567062.8	4217092.32	2.43E-06	2.42E-06	4.85E-06	2.11E-06	2.14E-06	4.25E-06	2.55E-07	3.48E-07	6.03E-07	2.22E-07	2.14E-07	4.36E-07
2669	567052.49	4217097.99	2.10E-06	2.09E-06	4.19E-06	1.82E-06	1.85E-06	3.67E-06	2.20E-07	3.00E-07	5.20E-07	1.92E-07	1.85E-07	3.76E-07
2670	567041.8	4217100.93	1.95E-06	1.94E-06	3.89E-06	1.69E-06	1.72E-06	3.41E-06	2.05E-07	2.79E-07	4.83E-07	1.78E-07	1.72E-07	3.50E-07
2671	567030.31	4217098.38	2.02E-06	2.02E-06	4.04E-06	1.75E-06	1.78E-06	3.54E-06	2.12E-07	2.89E-07	5.01E-07	1.85E-07	1.78E-07	3.63E-07
2672	567018.82	4217095.84	2.09E-06	2.08E-06	4.17E-06	1.81E-06	1.84E-06	3.66E-06	2.19E-07	2.99E-07	5.18E-07	1.91E-07	1.84E-07	3.75E-07
2673	567007.34	4217093.29	2.15E-06	2.15E-06	4.30E-06	1.87E-06	1.90E-06	3.77E-06	2.26E-07	3.08E-07	5.34E-07	1.97E-07	1.90E-07	3.86E-07
2674	566984.37	4217088.2	2.24E-06	2.23E-06	4.47E-06	1.94E-06	1.98E-06	3.92E-06	2.35E-07	3.20E-07	5.55E-07	2.05E-07	1.97E-07	4.02E-07
2675	567070.85	4217098.56	2.17E-06	2.16E-06	4.33E-06	1.88E-06	1.91E-06	3.79E-06	2.27E-07	3.10E-07	5.37E-07	1.98E-07	1.91E-07	3.89E-07
2676	567060.65	4217104.18	1.88E-06	1.87E-06	3.74E-06	1.63E-06	1.65E-06	3.28E-06	1.97E-07	2.68E-07	4.65E-07	1.71E-07	1.65E-07	3.36E-07
2677	567050.45	4217109.8	1.66E-06	1.66E-06	3.32E-06	1.44E-06	1.47E-06	2.91E-06	1.74E-07	2.37E-07	4.12E-07	1.52E-07	1.46E-07	2.98E-07
2678	567039.46	4217109.99	1.65E-06	1.64E-06	3.29E-06	1.43E-06	1.45E-06	2.88E-06	1.73E-07	2.35E-07	4.08E-07	1.50E-07	1.45E-07	2.95E-07
2679	567028.09	4217107.47	1.71E-06	1.71E-06	3.42E-06	1.49E-06	1.51E-06	3.00E-06	1.80E-07	2.45E-07	4.25E-07	1.56E-07	1.51E-07	3.07E-07
2680	567016.72	4217104.95	1.78E-06	1.78E-06	3.56E-06	1.55E-06	1.57E-06	3.12E-06	1.87E-07	2.55E-07	4.42E-07	1.63E-07	1.57E-07	3.20E-07
2681	567005.35	4217102.43	1.85E-06	1.84E-06	3.69E-06	1.60E-06	1.63E-06	3.23E-06	1.94E-07	2.64E-07	4.57E-07	1.69E-07	1.62E-07	3.31E-07
2682	567119.13	4217082.66	4.70E-06	4.68E-06	9.38E-06	4.07E-06	4.14E-06	8.22E-06	4.93E-07	6.71E-07	1.16E-06	4.29E-07	4.13E-07	8.42E-07
2683	567097.93	4217094.33	2.78E-06	2.77E-06	5.55E-06	2.41E-06	2.45E-06	4.86E-06	2.91E-07	3.97E-07	6.88E-07	2.54E-07	2.44E-07	4.98E-07
2684	567055.53	4217117.68	1.44E-06	1.44E-06	2.88E-06	1.25E-06	1.27E-06	2.53E-06	1.52E-07	2.07E-07	3.58E-07	1.32E-07	1.27E-07	2.59E-07
2685	567044.53	4217120.7	1.37E-06	1.36E-06	2.73E-06	1.19E-06	1.21E-06	2.39E-06	1.43E-07	1.95E-07	3.39E-07	1.25E-07	1.20E-07	2.45E-07
2686	567032.71	4217118.08	1.43E-06	1.43E-06	2.86E-06	1.24E-06	1.26E-06	2.50E-06	1.50E-07	2.04E-07	3.54E-07	1.31E-07	1.26E-07	2.56E-07
2687	567020.9	4217115.46	1.50E-06	1.49E-06	2.99E-06	1.30E-06	1.32E-06	2.62E-06	1.57E-07	2.14E-07	3.71E-07	1.37E-07	1.32E-07	2.68E-07
2688	567009.09	4217112.84	1.56E-06	1.56E-06	3.12E-06	1.36E-06	1.38E-06	2.73E-06	1.64E-07	2.23E-07	3.87E-07	1.43E-07	1.38E-07	2.80E-07
2689	566997.27	4217110.23	1.62E-06	1.62E-06	3.24E-06	1.41E-06	1.43E-06	2.84E-06	1.70E-07	2.32E-07	4.02E-07	1.48E-07	1.43E-07	2.91E-07
2690	566973.64	4217104.99	1.72E-06	1.71E-06	3.43E-06	1.49E-06	1.52E-06	3.01E-06	1.80E-07	2.46E-07	4.26E-07	1.57E-07	1.51E-07	3.08E-07
2691	567095.32	4217106.45	2.04E-06	2.03E-06	4.07E-06	1.77E-06	1.80E-06	3.56E-06	2.14E-07	2.91E-07	5.05E-07	1.86E-07	1.79E-07	3.65E-07
2692	567084.84	4217112.23	1.71E-06	1.70E-06	3.41E-06	1.48E-06	1.51E-06	2.99E-06	1.79E-07	2.44E-07	4.23E-07	1.56E-07	1.50E-07	3.06E-07
2693	567042.1	4217129.74	1.18E-06	1.18E-06	2.36E-06	1.02E-06	1.04E-06	2.07E-06	1.24E-07	1.69E-07	2.93E-07	1.08E-07	1.04E-07	2.12E-07
2694	567030.41	4217127.15	1.24E-06	1.23E-06	2.47E-06	1.07E-06	1.09E-06	2.16E-06	1.30E-07	1.77E-07	3.06E-07	1.13E-07	1.09E-07	2.22E-07

2695	567018.73	4217124.56	1.30E-06	1.29E-06	2.59E-06	1.12E-06	1.14E-06	2.27E-06	1.36E-07	1.85E-07	3.21E-07	1.18E-07	1.14E-07	2.32E-07
2696	567007.04	4217121.97	1.36E-06	1.35E-06	2.71E-06	1.18E-06	1.20E-06	2.37E-06	1.42E-07	1.94E-07	3.36E-07	1.24E-07	1.19E-07	2.43E-07
2697	566995.36	4217119.38	1.41E-06	1.41E-06	2.82E-06	1.23E-06	1.25E-06	2.47E-06	1.48E-07	2.02E-07	3.50E-07	1.29E-07	1.24E-07	2.53E-07
2698	566983.67	4217116.8	1.46E-06	1.46E-06	2.92E-06	1.27E-06	1.29E-06	2.56E-06	1.54E-07	2.09E-07	3.63E-07	1.34E-07	1.29E-07	2.63E-07
2699	567117.1	4217105.14	2.49E-06	2.48E-06	4.97E-06	2.16E-06	2.20E-06	4.36E-06	2.61E-07	3.56E-07	6.17E-07	2.27E-07	2.19E-07	4.47E-07
2700	567096.32	4217116.58	1.65E-06	1.65E-06	3.30E-06	1.44E-06	1.46E-06	2.90E-06	1.74E-07	2.37E-07	4.10E-07	1.51E-07	1.46E-07	2.97E-07
2701	567085.94	4217122.3	1.41E-06	1.41E-06	2.82E-06	1.23E-06	1.25E-06	2.47E-06	1.48E-07	2.02E-07	3.50E-07	1.29E-07	1.24E-07	2.54E-07
2702	567075.55	4217128.02	1.24E-06	1.24E-06	2.48E-06	1.08E-06	1.09E-06	2.17E-06	1.30E-07	1.77E-07	3.07E-07	1.13E-07	1.09E-07	2.22E-07
2703	567065.16	4217133.74	1.11E-06	1.11E-06	2.22E-06	9.66E-07	9.82E-07	1.95E-06	1.17E-07	1.59E-07	2.76E-07	1.02E-07	9.80E-08	2.00E-07
2704	567043.59	4217139.66	1.02E-06	1.01E-06	2.03E-06	8.81E-07	8.96E-07	1.78E-06	1.07E-07	1.45E-07	2.52E-07	9.28E-08	8.94E-08	1.82E-07
2705	567032.01	4217137.09	1.06E-06	1.06E-06	2.12E-06	9.22E-07	9.38E-07	1.86E-06	1.12E-07	1.52E-07	2.64E-07	9.71E-08	9.36E-08	1.91E-07
2706	567020.44	4217134.53	1.11E-06	1.11E-06	2.23E-06	9.67E-07	9.83E-07	1.95E-06	1.17E-07	1.59E-07	2.76E-07	1.02E-07	9.81E-08	2.00E-07
2707	567008.86	4217131.96	1.17E-06	1.16E-06	2.33E-06	1.01E-06	1.03E-06	2.04E-06	1.23E-07	1.67E-07	2.89E-07	1.07E-07	1.03E-07	2.09E-07
2708	566997.28	4217129.39	1.22E-06	1.22E-06	2.44E-06	1.06E-06	1.08E-06	2.14E-06	1.28E-07	1.74E-07	3.03E-07	1.12E-07	1.07E-07	2.19E-07
2709	566985.7	4217126.83	1.27E-06	1.27E-06	2.54E-06	1.10E-06	1.12E-06	2.22E-06	1.33E-07	1.82E-07	3.15E-07	1.16E-07	1.12E-07	2.28E-07
2710	566962.55	4217121.7	1.35E-06	1.35E-06	2.70E-06	1.18E-06	1.19E-06	2.37E-06	1.42E-07	1.94E-07	3.36E-07	1.24E-07	1.19E-07	2.43E-07
2711	567124.87	4217111.54	2.31E-06	2.30E-06	4.61E-06	2.00E-06	2.04E-06	4.04E-06	2.42E-07	3.30E-07	5.73E-07	2.11E-07	2.03E-07	4.14E-07
2712	567114.56	4217117.22	1.86E-06	1.85E-06	3.71E-06	1.61E-06	1.64E-06	3.25E-06	1.95E-07	2.66E-07	4.61E-07	1.70E-07	1.64E-07	3.33E-07
2713	567093.95	4217128.57	1.31E-06	1.30E-06	2.61E-06	1.13E-06	1.15E-06	2.29E-06	1.37E-07	1.87E-07	3.24E-07	1.19E-07	1.15E-07	2.35E-07
2714	567083.65	4217134.24	1.14E-06	1.14E-06	2.28E-06	9.93E-07	1.01E-06	2.00E-06	1.20E-07	1.64E-07	2.84E-07	1.05E-07	1.01E-07	2.05E-07
2715	567073.34	4217139.92	1.02E-06	1.02E-06	2.04E-06	8.88E-07	9.03E-07	1.79E-06	1.07E-07	1.46E-07	2.54E-07	9.35E-08	9.01E-08	1.84E-07
2716	567063.04	4217145.59	9.33E-07	9.30E-07	1.86E-06	8.10E-07	8.23E-07	1.63E-06	9.79E-08	1.33E-07	2.31E-07	8.52E-08	8.21E-08	1.67E-07
2717	567037.42	4217147.87	9.10E-07	9.07E-07	1.82E-06	7.90E-07	8.03E-07	1.59E-06	9.54E-08	1.30E-07	2.26E-07	8.31E-08	8.01E-08	1.63E-07
2718	567025.93	4217145.33	9.52E-07	9.49E-07	1.90E-06	8.26E-07	8.40E-07	1.67E-06	9.98E-08	1.36E-07	2.36E-07	8.70E-08	8.38E-08	1.71E-07
2719	567014.44	4217142.78	9.97E-07	9.94E-07	1.99E-06	8.65E-07	8.80E-07	1.75E-06	1.05E-07	1.43E-07	2.47E-07	9.11E-08	8.78E-08	1.79E-07
2720	567002.96	4217140.24	1.04E-06	1.04E-06	2.09E-06	9.06E-07	9.21E-07	1.83E-06	1.10E-07	1.49E-07	2.59E-07	9.54E-08	9.19E-08	1.87E-07
2721	566991.47	4217137.69	1.09E-06	1.09E-06	2.18E-06	9.46E-07	9.62E-07	1.91E-06	1.14E-07	1.56E-07	2.70E-07	9.96E-08	9.60E-08	1.96E-07
2722	566979.99	4217135.15	1.13E-06	1.13E-06	2.26E-06	9.84E-07	1.00E-06	1.98E-06	1.19E-07	1.62E-07	2.81E-07	1.04E-07	9.98E-08	2.03E-07
2723	566957.01	4217130.06	1.21E-06	1.21E-06	2.42E-06	1.05E-06	1.07E-06	2.12E-06	1.27E-07	1.73E-07	3.00E-07	1.11E-07	1.07E-07	2.17E-07
2724	567121.29	4217124.2	1.71E-06	1.70E-06	3.41E-06	1.48E-06	1.51E-06	2.99E-06	1.79E-07	2.44E-07	4.23E-07	1.56E-07	1.50E-07	3.06E-07
2725	567100.09	4217135.87	1.19E-06	1.19E-06	2.38E-06	1.03E-06	1.05E-06	2.08E-06	1.25E-07	1.70E-07	2.95E-07	1.09E-07	1.05E-07	2.14E-07
2726	567089.49	4217141.71	1.04E-06	1.03E-06	2.07E-06	9.01E-07	9.16E-07	1.82E-06	1.09E-07	1.48E-07	2.57E-07	9.48E-08	9.14E-08	1.86E-07
2727	567078.89	4217147.55	9.27E-07	9.24E-07	1.85E-06	8.04E-07	8.18E-07	1.62E-06	9.72E-08	1.32E-07	2.30E-07	8.47E-08	8.16E-08	1.66E-07
2728	567068.29	4217153.38	8.44E-07	8.42E-07	1.69E-06	7.32E-07	7.45E-07	1.48E-06	8.85E-08	1.21E-07	2.09E-07	7.71E-08	7.43E-08	1.51E-07
2729	567057.69	4217159.22	7.80E-07	7.77E-07	1.56E-06	6.77E-07	6.88E-07	1.36E-06	8.18E-08	1.11E-07	1.93E-07	7.12E-08	6.87E-08	1.40E-07
2730	567034.46	4217156.8	8.13E-07	8.10E-07	1.62E-06	7.05E-07	7.17E-07	1.42E-06	8.52E-08	1.16E-07	2.01E-07	7.42E-08	7.15E-08	1.46E-07
2731	567022.65	4217154.18	8.50E-07	8.47E-07	1.70E-06	7.37E-07	7.50E-07	1.49E-06	8.91E-08	1.21E-07	2.11E-07	7.76E-08	7.48E-08	1.52E-07
2732	567010.83	4217151.57	8.90E-07	8.87E-07	1.78E-06	7.72E-07	7.85E-07	1.56E-06	9.34E-08	1.27E-07	2.21E-07	8.13E-08	7.84E-08	1.60E-07
2733	566999.02	4217148.95	9.33E-07	9.30E-07	1.86E-06	8.09E-07	8.23E-07	1.63E-06	9.78E-08	1.33E-07	2.31E-07	8.52E-08	8.21E-08	1.67E-07
2734	566987.21	4217146.33	9.75E-07	9.72E-07	1.95E-06	8.46E-07	8.60E-07	1.71E-06	1.02E-07	1.39E-07	2.42E-07	8.90E-08	8.58E-08	1.75E-07
2735	566975.39	4217143.71	1.01E-06	1.01E-06	2.03E-06	8.80E-07	8.95E-07	1.77E-06	1.06E-07	1.45E-07	2.51E-07	9.27E-08	8.93E-08	1.82E-07
2736	566951.76	4217138.48	1.09E-06	1.08E-06	2.17E-06	9.44E-07	9.60E-07	1.90E-06	1.14E-07	1.56E-07	2.70E-07	9.94E-08	9.58E-08	1.95E-07
2737	567118.64	4217136.33	1.33E-06	1.33E-06	2.66E-06	1.16E-06	1.18E-06	2.33E-06	1.40E-07	1.90E-07	3.30E-07	1.22E-07	1.17E-07	2.39E-07
2738	567097.62	4217147.91	9.77E-07	9.74E-07	1.95E-06	8.48E-07	8.62E-07	1.71E-06	1.03E-07	1.40E-07	2.42E-07	8.93E-08	8.60E-08	1.75E-07
2739	567087.11	4217153.7	8.69E-07	8.67E-07	1.74E-06	7.54E-07	7.67E-07	1.52E-06	9.12E-08	1.24E-07	2.15E-07	7.94E-08	7.65E-08	1.56E-07
2740	567076.6	4217159.49	7.89E-07	7.87E-07	1.58E-06	6.85E-07	6.96E-07	1.38E-06	8.28E-08	1.13E-07	1.96E-07	7.21E-08	6.95E-08	1.42E-07
2741	567066.09	4217165.28	7.28E-07	7.25E-07	1.45E-06	6.31E-07	6.42E-07	1.27E-06	7.63E-08	1.04E-07	1.80E-07	6.65E-08	6.41E-08	1.31E-07
2742	567051.67	4217170.2	6.86E-07	6.83E-07	1.37E-06	5.95E-07	6.05E-07	1.20E-06	7.19E-08	9.80E-08	1.70E-07	6.26E-08	6.03E-08	1.23E-07
2743	567028.24	4217165.01	7.39E-07	7.37E-07	1.48E-06	6.42E-07	6.52E-07	1.29E-06	7.76E-08	1.06E-07	1.83E-07	6.75E-08	6.51E-08	1.33E-07
2744	567016.52	4217162.41	7.72E-07	7.70E-07	1.54E-06	6.70E-07	6.81E-07	1.35E-06	8.10E-08	1.10E-07	1.91E-07	7.05E-08	6.80E-08	1.38E-07
2745	567004.81	4217159.81	8.07E-07	8.04E-07	1.61E-06	7.00E-07	7.12E-07	1.41E-06	8.46E-08	1.15E-07	2.00E-07	7.37E-08	7.10E-08	1.45E-07
2746	566993.09	4217157.22	8.44E-07	8.41E-07	1.68E-06	7.32E-07	7.44E-07	1.48E-06	8.85E-08	1.21E-07	2.09E-07	7.70E-08	7.43E-08	1.51E-07
2747	566981.37	4217154.62	8.80E-07	8.78E-07	1.76E-06	7.64E-07	7.77E-07	1.54E-06	9.23E-08	1.26E-07	2.18E-07	8.04E-08	7.75E-08	1.58E-07
2748	566969.66	4217152.02	9.16E-07	9.13E-07	1.83E-06	7.95E-07	8.08E-07	1.60E-06	9.61E-08	1.31E-07	2.27E-07	8.37E-08	8.06E-08	1.64E-07
2749	566946.23	4217146.83	9.84E-07	9.81E-07	1.96E-06	8.54E-07	8.68E-07	1.72E-06	1.03E-07	1.41E-07	2.44E-07	8.99E-08	8.66E-08	1.76E-07
2750	567102.21	4217156.06	8.88E-07	8.85E-07	1.77E-06	7.70E-07	7.83E-07	1.55E-06	9.31E-08	1.27E-07	2.20E-07	8.11E-08	7.82E-08	1.59E-07
2751	567091.78	4217161.81	7.93E-07	7.90E-07	1.58E-06	6.88E-07	6.99E-07	1.39E-06	8.31E-08	1.13E-07	1.96E-07	7.24E-08	6.98E-08	1.42E-07
2752	567081.34	4217167.56	7.21E-07	7.19E-07	1.44E-06	6.26E-07	6.36E-07	1.26E-06	7.57E-08	1.03E-07	1.79E-07	6.59E-08	6.35E-08	1.29E-07
2753	567070.91	4217173.3	6.67E-07	6.64E-07	1.33E-06	5.78E-07	5.88E-07	1.17E-06	6.99E-08	9.53E-08	1.65E-07	6.09E-08	5.87E-08	1.20E-07
2754	567060.47	4217179.05	6.23E-07	6.21E-07	1.24E-06	5.40E-07	5.49E-07	1.09E-06	6.53E-08	8.90E-08	1.54E-07	5.69E-08	5.48E-08	1.12E-07
2755	567049.24	4217179.24	6.22E-07	6.20E-07	1.24E-06	5.39E-07	5.48E-07	1.09E-06	6.52E-08	8.88E-08	1.54E-07	5.68E-08	5.47E-08	1.11E-07
2756	567025.98	4217174.09	6.68E-07	6.66E-07	1.33E-06	5.79E-07	5.89E-07	1.17E-06	7.00E-08	9.55E-08	1.65E-07	6.10E-08	5.88E-08	1.20E-07
2757	567014.35	4217171.51	6.95E-07	6.93E-07	1.39E-06	6.03E-07	6.13E-07	1.22E-06	7.29E-08	9.93E-08	1.72E-07	6.35E-08	6.12E-08	1.25E-07
2758	567002.72	4217168.94	7.24E-07	7.22E-07	1.45E-06	6.29E-07	6.39E-07	1.27E-06	7.60E-08	1.04E-07	1.80E-07	6.62E-08	6.38E-08	1.30E-07
2759	566991.09	4217166.36	7.56E-07	7.54E-07	1.51E-06	6.56E-07	6.67E-07	1.32E-06	7.93E-08	1.08E-07	1.87E-07	6.91E-08	6.65E-08	1.36E-07
2760	566979.47	4217163.78	7.89E-07	7.86E-07	1.57E-06	6.84E-07	6.96E-07	1.38E-06	8.27E-08	1.13E-07	1.95E-07	7.20E-08	6.94E-08	1.41E-07
2761	566967.84	4217161.2	8.21E-07	8.19E-07	1.64E-06	7.12E-07	7.24E-07	1.44E-06	8.61E-08	1.17E-07	2.04E-07	7.50E-08	7.23E-08	1.47E-07
2762	566944.58	4217156.05	8.84E-07	8.81E-07	1.77E-06	7.67E-07	7.80E-07	1.55E-06	9.27E-08	1.26E-07	2.19E-07	8.07E-08	7.78E-08	1.59E-07
2763	567099.88	4217168.03	7.52E-07	7.50E-07	1.50E-06	6.53E-07	6.64E-07	1.32E-06	7.89E-08	1.08E-07	1.86E-07	6.87E-08	6.62E-08	1.35E-07
2764	567089.52	4217173.74	6.82E-07	6.80E-07	1.36E-06	5.92E-07	6.02E-07	1.19E-06	7.16E-08	9.75E-08	1.69E-07	6.23E-08	6.01E-08	1.22E-07
2765	567079.15	4217179.44	6.29E-07	6.27E-07	1.26E-06	5.46E-07	5.55E-07	1.10E-06	6.60E-08	8.99E-08	1.56E-07	5.74E-08	5.54E-08	1.13E-07

2766	567068.78	4217185.15	5.86E-07	5.84E-07	1.17E-06	5.09E-07	5.17E-07	1.03E-06	6.15E-08	8.38E-08	1.45E-07	5.36E-08	5.16E-08	1.05E-07
2767	567054.57	4217190.01	5.56E-07	5.55E-07	1.11E-06	4.83E-07	4.91E-07	9.73E-07	5.84E-08	7.95E-08	1.38E-07	5.08E-08	4.90E-08	9.98E-08
2768	567043.01	4217187.45	5.73E-07	5.71E-07	1.14E-06	4.97E-07	5.05E-07	1.00E-06	6.01E-08	8.19E-08	1.42E-07	5.23E-08	5.04E-08	1.03E-07
2769	567019.91	4217182.33	6.14E-07	6.12E-07	1.23E-06	5.33E-07	5.42E-07	1.07E-06	6.44E-08	8.78E-08	1.52E-07	5.61E-08	5.40E-08	1.10E-07
2770	567008.35	4217179.77	6.38E-07	6.36E-07	1.27E-06	5.53E-07	5.62E-07	1.12E-06	6.69E-08	9.11E-08	1.58E-07	5.82E-08	5.61E-08	1.14E-07
2771	566996.8	4217177.21	6.63E-07	6.61E-07	1.32E-06	5.75E-07	5.85E-07	1.16E-06	6.96E-08	9.48E-08	1.64E-07	6.06E-08	5.84E-08	1.19E-07
2772	566985.24	4217174.65	6.91E-07	6.89E-07	1.38E-06	6.00E-07	6.10E-07	1.21E-06	7.25E-08	9.88E-08	1.71E-07	6.31E-08	6.08E-08	1.24E-07
2773	566973.69	4217172.08	7.20E-07	7.18E-07	1.44E-06	6.25E-07	6.35E-07	1.26E-06	7.55E-08	1.03E-07	1.79E-07	6.58E-08	6.34E-08	1.29E-07
2774	566939.03	4217164.4	8.06E-07	8.04E-07	1.61E-06	7.00E-07	7.11E-07	1.41E-06	8.46E-08	1.15E-07	2.00E-07	7.37E-08	7.10E-08	1.45E-07
2775	567098.71	4217179.36	6.55E-07	6.53E-07	1.31E-06	5.68E-07	5.78E-07	1.15E-06	6.87E-08	9.36E-08	1.62E-07	5.98E-08	5.77E-08	1.17E-07
2776	567088.11	4217185.19	6.00E-07	5.98E-07	1.20E-06	5.20E-07	5.29E-07	1.05E-06	6.29E-08	8.57E-08	1.49E-07	5.48E-08	5.28E-08	1.08E-07
2777	567077.51	4217191.03	5.56E-07	5.55E-07	1.11E-06	4.83E-07	4.91E-07	9.73E-07	5.84E-08	7.95E-08	1.38E-07	5.08E-08	4.90E-08	9.98E-08
2778	567066.91	4217196.87	5.22E-07	5.20E-07	1.04E-06	4.53E-07	4.60E-07	9.13E-07	5.47E-08	7.46E-08	1.29E-07	4.77E-08	4.59E-08	9.36E-08
2779	567055.9	4217199.89	5.06E-07	5.05E-07	1.01E-06	4.39E-07	4.47E-07	8.86E-07	5.31E-08	7.24E-08	1.25E-07	4.63E-08	4.46E-08	9.08E-08
2780	567044.09	4217197.27	5.20E-07	5.19E-07	1.04E-06	4.51E-07	4.59E-07	9.10E-07	5.46E-08	7.44E-08	1.29E-07	4.75E-08	4.58E-08	9.33E-08
2781	567020.46	4217192.03	5.56E-07	5.54E-07	1.11E-06	4.82E-07	4.90E-07	9.72E-07	5.83E-08	7.94E-08	1.38E-07	5.08E-08	4.89E-08	9.97E-08
2782	567008.64	4217189.41	5.76E-07	5.74E-07	1.15E-06	5.00E-07	5.08E-07	1.01E-06	6.04E-08	8.24E-08	1.43E-07	5.26E-08	5.07E-08	1.03E-07
2783	566996.83	4217186.8	5.98E-07	5.96E-07	1.19E-06	5.19E-07	5.28E-07	1.05E-06	6.28E-08	8.55E-08	1.48E-07	5.47E-08	5.27E-08	1.07E-07
2784	566985.02	4217184.18	6.23E-07	6.21E-07	1.24E-06	5.40E-07	5.50E-07	1.09E-06	6.53E-08	8.90E-08	1.54E-07	5.69E-08	5.48E-08	1.12E-07
2785	566973.2	4217181.56	6.49E-07	6.47E-07	1.30E-06	5.63E-07	5.73E-07	1.14E-06	6.81E-08	9.28E-08	1.61E-07	5.93E-08	5.71E-08	1.16E-07
2786	566937.76	4217173.71	7.29E-07	7.27E-07	1.46E-06	6.33E-07	6.43E-07	1.28E-06	7.65E-08	1.04E-07	1.81E-07	6.66E-08	6.42E-08	1.31E-07
2787	566925.94	4217171.09	7.54E-07	7.52E-07	1.51E-06	6.54E-07	6.65E-07	1.32E-06	7.91E-08	1.08E-07	1.87E-07	6.89E-08	6.64E-08	1.35E-07
2788	567096.35	4217191.33	5.72E-07	5.70E-07	1.14E-06	4.96E-07	5.04E-07	1.00E-06	6.00E-08	8.17E-08	1.42E-07	5.22E-08	5.03E-08	1.03E-07
2789	567085.83	4217197.13	5.29E-07	5.27E-07	1.06E-06	4.59E-07	4.67E-07	9.26E-07	5.55E-08	7.56E-08	1.31E-07	4.83E-08	4.66E-08	9.49E-08
2790	567075.3	4217202.93	4.95E-07	4.94E-07	9.89E-07	4.30E-07	4.37E-07	8.67E-07	5.19E-08	7.08E-08	1.23E-07	4.52E-08	4.36E-08	8.88E-08
2791	567064.77	4217208.73	4.68E-07	4.66E-07	9.34E-07	4.06E-07	4.13E-07	8.19E-07	4.91E-08	6.69E-08	1.16E-07	4.27E-08	4.12E-08	8.39E-08
2792	567053.44	4217208.92	4.67E-07	4.66E-07	9.32E-07	4.05E-07	4.12E-07	8.17E-07	4.90E-08	6.68E-08	1.16E-07	4.27E-08	4.11E-08	8.38E-08
2793	567041.7	4217206.32	4.79E-07	4.78E-07	9.57E-07	4.16E-07	4.23E-07	8.39E-07	5.03E-08	6.85E-08	1.19E-07	4.38E-08	4.22E-08	8.60E-08
2794	567018.23	4217201.12	5.10E-07	5.08E-07	1.02E-06	4.42E-07	4.50E-07	8.92E-07	5.35E-08	7.29E-08	1.26E-07	4.66E-08	4.49E-08	9.14E-08
2795	567006.5	4217198.52	5.27E-07	5.26E-07	1.05E-06	4.58E-07	4.65E-07	9.23E-07	5.53E-08	7.54E-08	1.31E-07	4.82E-08	4.64E-08	9.46E-08
2796	566994.77	4217195.92	5.47E-07	5.45E-07	1.09E-06	4.74E-07	4.82E-07	9.56E-07	5.73E-08	7.81E-08	1.35E-07	4.99E-08	4.81E-08	9.80E-08
2797	566983.03	4217193.32	5.68E-07	5.66E-07	1.13E-06	4.93E-07	5.01E-07	9.94E-07	5.96E-08	8.12E-08	1.41E-07	5.19E-08	5.00E-08	1.02E-07
2798	566971.3	4217190.72	5.91E-07	5.89E-07	1.18E-06	5.12E-07	5.21E-07	1.03E-06	6.20E-08	8.44E-08	1.46E-07	5.40E-08	5.20E-08	1.06E-07
2799	566947.83	4217185.52	6.38E-07	6.36E-07	1.27E-06	5.53E-07	5.63E-07	1.12E-06	6.69E-08	9.12E-08	1.58E-07	5.83E-08	5.61E-08	1.14E-07
2800	566936.09	4217182.92	6.62E-07	6.60E-07	1.32E-06	5.74E-07	5.84E-07	1.16E-06	6.94E-08	9.46E-08	1.64E-07	6.04E-08	5.82E-08	1.19E-07
2801	566924.36	4217180.32	6.85E-07	6.83E-07	1.37E-06	5.94E-07	6.04E-07	1.20E-06	7.18E-08	9.79E-08	1.70E-07	6.25E-08	6.03E-08	1.23E-07
2802	567101.05	4217199.43	5.32E-07	5.30E-07	1.06E-06	4.62E-07	4.69E-07	9.31E-07	5.58E-08	7.61E-08	1.32E-07	4.86E-08	4.68E-08	9.54E-08
2803	567090.59	4217205.19	4.93E-07	4.92E-07	9.85E-07	4.28E-07	4.35E-07	8.63E-07	5.17E-08	7.05E-08	1.22E-07	4.50E-08	4.34E-08	8.85E-08
2804	567080.12	4217210.95	4.62E-07	4.61E-07	9.23E-07	4.01E-07	4.08E-07	8.09E-07	4.85E-08	6.61E-08	1.15E-07	4.22E-08	4.07E-08	8.29E-08
2805	567069.66	4217216.71	4.37E-07	4.36E-07	8.74E-07	3.80E-07	3.86E-07	7.65E-07	4.59E-08	6.25E-08	1.08E-07	4.00E-08	3.85E-08	7.85E-08
2806	567058.79	4217219.69	4.26E-07	4.25E-07	8.51E-07	3.70E-07	3.76E-07	7.45E-07	4.47E-08	6.09E-08	1.06E-07	3.89E-08	3.75E-08	7.64E-08
2807	567047.13	4217217.11	4.36E-07	4.34E-07	8.70E-07	3.78E-07	3.84E-07	7.63E-07	4.57E-08	6.23E-08	1.08E-07	3.98E-08	3.84E-08	7.82E-08
2808	567023.81	4217211.94	4.60E-07	4.59E-07	9.19E-07	3.99E-07	4.06E-07	8.06E-07	4.83E-08	6.58E-08	1.14E-07	4.21E-08	4.05E-08	8.26E-08
2809	567012.14	4217209.36	4.75E-07	4.73E-07	9.48E-07	4.12E-07	4.19E-07	8.30E-07	4.98E-08	6.78E-08	1.18E-07	4.34E-08	4.18E-08	8.51E-08
2810	567000.48	4217206.77	4.90E-07	4.89E-07	9.79E-07	4.25E-07	4.33E-07	8.58E-07	5.14E-08	7.01E-08	1.22E-07	4.48E-08	4.32E-08	8.79E-08
2811	566988.82	4217204.19	5.08E-07	5.06E-07	1.01E-06	4.40E-07	4.48E-07	8.88E-07	5.32E-08	7.26E-08	1.26E-07	4.64E-08	4.47E-08	9.10E-08
2812	566977.16	4217201.6	5.27E-07	5.25E-07	1.05E-06	4.57E-07	4.65E-07	9.21E-07	5.52E-08	7.53E-08	1.31E-07	4.81E-08	4.64E-08	9.45E-08
2813	566965.49	4217199.02	5.47E-07	5.45E-07	1.09E-06	4.74E-07	4.82E-07	9.57E-07	5.73E-08	7.82E-08	1.36E-07	4.99E-08	4.81E-08	9.81E-08
2814	566942.17	4217193.85	5.88E-07	5.86E-07	1.17E-06	5.10E-07	5.19E-07	1.03E-06	6.17E-08	8.41E-08	1.46E-07	5.37E-08	5.18E-08	1.06E-07
2815	566930.5	4217191.26	6.10E-07	6.08E-07	1.22E-06	5.29E-07	5.38E-07	1.07E-06	6.39E-08	8.71E-08	1.51E-07	5.57E-08	5.37E-08	1.09E-07
2816	566918.84	4217188.68	6.31E-07	6.29E-07	1.26E-06	5.47E-07	5.56E-07	1.10E-06	6.62E-08	9.02E-08	1.56E-07	5.76E-08	5.55E-08	1.13E-07
2817	567098.79	4217211.35	4.72E-07	4.71E-07	9.43E-07	4.10E-07	4.17E-07	8.26E-07	4.95E-08	6.75E-08	1.17E-07	4.31E-08	4.16E-08	8.47E-08
2818	567088.38	4217217.08	4.42E-07	4.40E-07	8.82E-07	3.83E-07	3.90E-07	7.73E-07	4.63E-08	6.31E-08	1.09E-07	4.04E-08	3.89E-08	7.92E-08
2819	567077.98	4217222.81	4.17E-07	4.16E-07	8.33E-07	3.62E-07	3.68E-07	7.30E-07	4.38E-08	5.97E-08	1.03E-07	3.81E-08	3.67E-08	7.48E-08
2820	567067.57	4217228.54	3.97E-07	3.96E-07	7.93E-07	3.44E-07	3.50E-07	6.95E-07	4.16E-08	5.67E-08	9.84E-08	3.63E-08	3.49E-08	7.12E-08
2821	567056.37	4217228.74	3.96E-07	3.95E-07	7.91E-07	3.44E-07	3.49E-07	6.93E-07	4.16E-08	5.66E-08	9.82E-08	3.62E-08	3.49E-08	7.11E-08
2822	567044.77	4217226.17	4.05E-07	4.04E-07	8.09E-07	3.51E-07	3.57E-07	7.08E-07	4.25E-08	5.79E-08	1.00E-07	3.70E-08	3.56E-08	7.26E-08
2823	567021.58	4217221.03	4.26E-07	4.25E-07	8.51E-07	3.70E-07	3.76E-07	7.46E-07	4.47E-08	6.09E-08	1.06E-07	3.89E-08	3.75E-08	7.64E-08
2824	567009.98	4217218.46	4.39E-07	4.37E-07	8.76E-07	3.81E-07	3.87E-07	7.68E-07	4.60E-08	6.27E-08	1.09E-07	4.01E-08	3.86E-08	7.87E-08
2825	566998.38	4217215.89	4.52E-07	4.51E-07	9.03E-07	3.93E-07	3.99E-07	7.92E-07	4.75E-08	6.47E-08	1.12E-07	4.13E-08	3.98E-08	8.12E-08
2826	566986.78	4217213.32	4.67E-07	4.66E-07	9.33E-07	4.06E-07	4.12E-07	8.18E-07	4.90E-08	6.68E-08	1.16E-07	4.27E-08	4.11E-08	8.38E-08
2827	566975.18	4217210.75	4.84E-07	4.82E-07	9.66E-07	4.20E-07	4.27E-07	8.47E-07	5.08E-08	6.92E-08	1.20E-07	4.42E-08	4.26E-08	8.68E-08
2828	566940.39	4217203.04	5.38E-07	5.36E-07	1.07E-06	4.67E-07	4.74E-07	9.41E-07	5.64E-08	7.69E-08	1.33E-07	4.91E-08	4.73E-08	9.65E-08
2829	566928.79	4217200.47	5.57E-07	5.55E-07	1.11E-06	4.83E-07	4.91E-07	9.75E-07	5.84E-08	7.96E-08	1.38E-07	5.09E-08	4.90E-08	9.99E-08
2830	566917.19	4217197.9	5.77E-07	5.75E-07	1.15E-06	5.00E-07	5.09E-07	1.01E-06	6.05E-08	8.24E-08	1.43E-07	5.27E-08	5.07E-08	1.03E-07
2831	567097.32	4217222.84	4.25E-07	4.24E-07	8.49E-07	3.69E-07	3.75E-07	7.44E-07	4.46E-08	6.08E-08	1.05E-07	3.88E-08	3.74E-08	7.63E-08
2832	567086.72	4217228.68	4.00E-07	3.99E-07	7.99E-07	3.47E-07	3.53E-07	7.00E-07	4.20E-08	5.72E-08	9.92E-08	3.66E-08	3.52E-08	7.18E-08
2833	567076.12	4217234.52	3.80E-07	3.79E-07	7.58E-07	3.29E-07	3.35E-07	6.64E-07	3.98E-08	5.43E-08	9.41E-08	3.47E-08	3.34E-08	6.81E-08
2834	567061.59	4217239.48	3.65E-07	3.64E-07	7.28E-07	3.16E-07	3.22E-07	6.38E-07	3.83E-08	5.21E-08	9.04E-08	3.33E-08	3.21E-08	6.54E-08
2835	567049.77	4217236.86	3.72E-07	3.71E-07	7.44E-07	3.23E-07	3.28E-07	6.52E-07	3.91E-08	5.32E-08	9.23E-08	3.40E-08	3.28E-08	6.68E-08
2836	567026.14	4217231.63	3.90E-07	3.89E-07	7.79E-07	3.38E-07	3.44E-07	6.83E-07	4.09E-08	5.58E-08	9.67E-08	3.56E-08	3.43E-08	7.00E-08

2837	567014.33	4217229.01	4.01E-07	4.00E-07	8.00E-07	3.48E-07	3.54E-07	7.01E-07	4.20E-08	5.73E-08	9.93E-08	3.66E-08	3.53E-08	7.19E-08
2838	567002.52	4217226.39	4.13E-07	4.11E-07	8.24E-07	3.58E-07	3.64E-07	7.22E-07	4.33E-08	5.90E-08	1.02E-07	3.77E-08	3.63E-08	7.40E-08
2839	566990.7	4217223.77	4.25E-07	4.24E-07	8.49E-07	3.69E-07	3.75E-07	7.44E-07	4.46E-08	6.08E-08	1.05E-07	3.88E-08	3.74E-08	7.63E-08
2840	566978.89	4217221.15	4.39E-07	4.38E-07	8.77E-07	3.81E-07	3.87E-07	7.68E-07	4.61E-08	6.28E-08	1.09E-07	4.01E-08	3.87E-08	7.88E-08
2841	566967.07	4217218.54	4.54E-07	4.53E-07	9.07E-07	3.94E-07	4.01E-07	7.95E-07	4.76E-08	6.49E-08	1.13E-07	4.15E-08	4.00E-08	8.15E-08
2842	566943.44	4217213.3	4.87E-07	4.85E-07	9.72E-07	4.22E-07	4.29E-07	8.52E-07	5.11E-08	6.96E-08	1.21E-07	4.45E-08	4.28E-08	8.73E-08
2843	566931.63	4217210.68	5.04E-07	5.02E-07	1.01E-06	4.37E-07	4.45E-07	8.82E-07	5.29E-08	7.20E-08	1.25E-07	4.60E-08	4.44E-08	9.04E-08
2844	566919.82	4217208.06	5.22E-07	5.20E-07	1.04E-06	4.53E-07	4.61E-07	9.14E-07	5.48E-08	7.46E-08	1.29E-07	4.77E-08	4.60E-08	9.36E-08
2845	566908	4217205.44	5.40E-07	5.39E-07	1.08E-06	4.69E-07	4.77E-07	9.46E-07	5.67E-08	7.72E-08	1.34E-07	4.94E-08	4.76E-08	9.69E-08
2846	567091.54	4217236.71	3.77E-07	3.76E-07	7.52E-07	3.27E-07	3.32E-07	6.59E-07	3.95E-08	5.39E-08	9.34E-08	3.44E-08	3.32E-08	6.76E-08
2847	567081	4217242.51	3.58E-07	3.57E-07	7.15E-07	3.11E-07	3.16E-07	6.26E-07	3.75E-08	5.12E-08	8.87E-08	3.27E-08	3.15E-08	6.42E-08
2848	567070.46	4217248.32	3.42E-07	3.41E-07	6.83E-07	2.97E-07	3.02E-07	5.98E-07	3.59E-08	4.89E-08	8.47E-08	3.12E-08	3.01E-08	6.13E-08
2849	567059.11	4217248.52	3.41E-07	3.40E-07	6.81E-07	2.96E-07	3.01E-07	5.97E-07	3.58E-08	4.88E-08	8.46E-08	3.12E-08	3.00E-08	6.12E-08
2850	567047.37	4217245.91	3.48E-07	3.47E-07	6.95E-07	3.02E-07	3.07E-07	6.09E-07	3.65E-08	4.98E-08	8.63E-08	3.18E-08	3.07E-08	6.25E-08
2851	567023.87	4217240.71	3.64E-07	3.63E-07	7.27E-07	3.16E-07	3.21E-07	6.37E-07	3.82E-08	5.21E-08	9.03E-08	3.33E-08	3.21E-08	6.53E-08
2852	567012.13	4217238.1	3.74E-07	3.72E-07	7.46E-07	3.24E-07	3.30E-07	6.54E-07	3.92E-08	5.34E-08	9.26E-08	3.41E-08	3.29E-08	6.70E-08
2853	567000.38	4217235.5	3.84E-07	3.83E-07	7.67E-07	3.33E-07	3.39E-07	6.72E-07	4.03E-08	5.49E-08	9.52E-08	3.51E-08	3.38E-08	6.89E-08
2854	566988.63	4217232.9	3.95E-07	3.94E-07	7.89E-07	3.43E-07	3.48E-07	6.91E-07	4.14E-08	5.65E-08	9.79E-08	3.61E-08	3.48E-08	7.09E-08
2855	566976.89	4217230.29	4.07E-07	4.06E-07	8.13E-07	3.53E-07	3.59E-07	7.12E-07	4.27E-08	5.82E-08	1.01E-07	3.72E-08	3.58E-08	7.30E-08
2856	566965.14	4217227.69	4.20E-07	4.19E-07	8.38E-07	3.64E-07	3.70E-07	7.35E-07	4.40E-08	6.00E-08	1.04E-07	3.83E-08	3.70E-08	7.53E-08
2857	566941.64	4217222.48	4.49E-07	4.47E-07	8.96E-07	3.89E-07	3.96E-07	7.85E-07	4.71E-08	6.41E-08	1.11E-07	4.10E-08	3.95E-08	8.05E-08
2858	566929.9	4217219.88	4.64E-07	4.63E-07	9.27E-07	4.03E-07	4.10E-07	8.12E-07	4.87E-08	6.64E-08	1.15E-07	4.24E-08	4.09E-08	8.33E-08
2859	566918.15	4217217.28	4.80E-07	4.79E-07	9.59E-07	4.17E-07	4.24E-07	8.41E-07	5.04E-08	6.87E-08	1.19E-07	4.39E-08	4.23E-08	8.62E-08
2860	566906.4	4217214.67	4.97E-07	4.96E-07	9.93E-07	4.31E-07	4.39E-07	8.70E-07	5.21E-08	7.11E-08	1.23E-07	4.54E-08	4.38E-08	8.92E-08
2861	567089.34	4217248.6	3.44E-07	3.43E-07	6.86E-07	2.98E-07	3.03E-07	6.01E-07	3.60E-08	4.91E-08	8.52E-08	3.14E-08	3.03E-08	6.16E-08
2862	567078.85	4217254.38	3.28E-07	3.27E-07	6.55E-07	2.85E-07	2.89E-07	5.74E-07	3.44E-08	4.69E-08	8.13E-08	3.00E-08	2.89E-08	5.88E-08
2863	567064.47	4217259.29	3.16E-07	3.15E-07	6.32E-07	2.74E-07	2.79E-07	5.53E-07	3.32E-08	4.52E-08	7.84E-08	2.89E-08	2.78E-08	5.67E-08
2864	567052.79	4217256.7	3.22E-07	3.21E-07	6.43E-07	2.80E-07	2.84E-07	5.64E-07	3.38E-08	4.61E-08	7.98E-08	2.94E-08	2.84E-08	5.78E-08
2865	567041.1	4217254.11	3.29E-07	3.28E-07	6.57E-07	2.85E-07	2.90E-07	5.75E-07	3.45E-08	4.70E-08	8.15E-08	3.00E-08	2.89E-08	5.90E-08
2866	567017.73	4217248.93	3.44E-07	3.43E-07	6.87E-07	2.98E-07	3.03E-07	6.02E-07	3.61E-08	4.92E-08	8.52E-08	3.14E-08	3.03E-08	6.17E-08
2867	567006.04	4217246.34	3.52E-07	3.51E-07	7.04E-07	3.06E-07	3.11E-07	6.17E-07	3.70E-08	5.04E-08	8.74E-08	3.22E-08	3.10E-08	6.32E-08
2868	566994.36	4217243.75	3.62E-07	3.61E-07	7.23E-07	3.14E-07	3.19E-07	6.33E-07	3.79E-08	5.17E-08	8.97E-08	3.30E-08	3.18E-08	6.49E-08
2869	566982.67	4217241.16	3.72E-07	3.70E-07	7.42E-07	3.22E-07	3.28E-07	6.50E-07	3.90E-08	5.31E-08	9.21E-08	3.39E-08	3.27E-08	6.66E-08
2870	566970.99	4217238.57	3.82E-07	3.81E-07	7.63E-07	3.31E-07	3.37E-07	6.68E-07	4.01E-08	5.46E-08	9.47E-08	3.49E-08	3.36E-08	6.85E-08
2871	566947.61	4217233.39	4.06E-07	4.05E-07	8.11E-07	3.52E-07	3.58E-07	7.11E-07	4.26E-08	5.81E-08	1.01E-07	3.71E-08	3.58E-08	7.29E-08
2872	566935.93	4217230.8	4.20E-07	4.18E-07	8.38E-07	3.64E-07	3.70E-07	7.34E-07	4.40E-08	6.00E-08	1.04E-07	3.83E-08	3.69E-08	7.53E-08
2873	566924.24	4217228.21	4.34E-07	4.32E-07	8.66E-07	3.76E-07	3.83E-07	7.59E-07	4.55E-08	6.20E-08	1.08E-07	3.96E-08	3.82E-08	7.78E-08
2874	566912.56	4217225.62	4.49E-07	4.47E-07	8.96E-07	3.89E-07	3.96E-07	7.85E-07	4.71E-08	6.41E-08	1.11E-07	4.10E-08	3.95E-08	8.05E-08
2875	566900.87	4217223.03	4.64E-07	4.62E-07	9.26E-07	4.02E-07	4.09E-07	8.11E-07	4.86E-08	6.63E-08	1.15E-07	4.24E-08	4.08E-08	8.32E-08
2876	567087.18	4217260.47	3.15E-07	3.14E-07	6.30E-07	2.74E-07	2.78E-07	5.52E-07	3.31E-08	4.51E-08	7.81E-08	2.88E-08	2.78E-08	5.65E-08
2877	567076.74	4217266.22	3.02E-07	3.01E-07	6.03E-07	2.62E-07	2.67E-07	5.29E-07	3.17E-08	4.32E-08	7.49E-08	2.76E-08	2.66E-08	5.42E-08
2878	567065.91	4217269.19	2.96E-07	2.95E-07	5.91E-07	2.57E-07	2.61E-07	5.18E-07	3.10E-08	4.23E-08	7.33E-08	2.70E-08	2.60E-08	5.31E-08
2879	567054.28	4217266.61	3.01E-07	3.00E-07	6.01E-07	2.61E-07	2.66E-07	5.27E-07	3.16E-08	4.30E-08	7.46E-08	2.75E-08	2.65E-08	5.40E-08
2880	567042.65	4217264.03	3.07E-07	3.06E-07	6.13E-07	2.66E-07	2.71E-07	5.37E-07	3.22E-08	4.39E-08	7.61E-08	2.81E-08	2.70E-08	5.51E-08
2881	567019.39	4217258.88	3.20E-07	3.19E-07	6.40E-07	2.78E-07	2.83E-07	5.61E-07	3.36E-08	4.58E-08	7.94E-08	2.93E-08	2.82E-08	5.75E-08
2882	567007.76	4217256.3	3.28E-07	3.27E-07	6.55E-07	2.85E-07	2.89E-07	5.74E-07	3.44E-08	4.69E-08	8.13E-08	3.00E-08	2.89E-08	5.88E-08
2883	566996.13	4217253.73	3.36E-07	3.35E-07	6.71E-07	2.91E-07	2.96E-07	5.88E-07	3.52E-08	4.80E-08	8.33E-08	3.07E-08	2.96E-08	6.03E-08
2884	566984.51	4217251.15	3.44E-07	3.43E-07	6.87E-07	2.99E-07	3.04E-07	6.02E-07	3.61E-08	4.92E-08	8.53E-08	3.14E-08	3.03E-08	6.18E-08
2885	566972.88	4217248.57	3.53E-07	3.52E-07	7.05E-07	3.06E-07	3.12E-07	6.18E-07	3.70E-08	5.05E-08	8.75E-08	3.23E-08	3.11E-08	6.33E-08
2886	566937.99	4217240.84	3.85E-07	3.84E-07	7.70E-07	3.34E-07	3.40E-07	6.74E-07	4.04E-08	5.51E-08	9.55E-08	3.52E-08	3.39E-08	6.91E-08
2887	566926.36	4217238.26	3.98E-07	3.97E-07	7.94E-07	3.45E-07	3.51E-07	6.96E-07	4.17E-08	5.69E-08	9.86E-08	3.63E-08	3.50E-08	7.14E-08
2888	566914.73	4217235.69	4.11E-07	4.10E-07	8.20E-07	3.56E-07	3.62E-07	7.19E-07	4.31E-08	5.87E-08	1.02E-07	3.75E-08	3.62E-08	7.37E-08
2889	566903.1	4217233.11	4.24E-07	4.23E-07	8.47E-07	3.68E-07	3.74E-07	7.43E-07	4.45E-08	6.07E-08	1.05E-07	3.88E-08	3.74E-08	7.61E-08
2890	566891.47	4217230.53	4.38E-07	4.37E-07	8.75E-07	3.80E-07	3.87E-07	7.67E-07	4.60E-08	6.27E-08	1.09E-07	4.00E-08	3.86E-08	7.86E-08
2891	567016.08	4217267.73	3.02E-07	3.01E-07	6.04E-07	2.62E-07	2.67E-07	5.29E-07	3.17E-08	4.32E-08	7.49E-08	2.76E-08	2.66E-08	5.42E-08
2892	567004.26	4217265.11	3.09E-07	3.08E-07	6.18E-07	2.68E-07	2.73E-07	5.41E-07	3.24E-08	4.42E-08	7.66E-08	2.82E-08	2.72E-08	5.55E-08
2893	566992.45	4217262.49	3.17E-07	3.16E-07	6.32E-07	2.75E-07	2.79E-07	5.54E-07	3.32E-08	4.52E-08	7.84E-08	2.89E-08	2.79E-08	5.68E-08
2894	566980.63	4217259.87	3.24E-07	3.23E-07	6.47E-07	2.81E-07	2.86E-07	5.67E-07	3.40E-08	4.63E-08	8.03E-08	2.96E-08	2.85E-08	5.81E-08
2895	566968.82	4217257.26	3.32E-07	3.31E-07	6.63E-07	2.88E-07	2.93E-07	5.81E-07	3.48E-08	4.75E-08	8.23E-08	3.03E-08	2.92E-08	5.96E-08
2896	566945.19	4217252.02	3.51E-07	3.50E-07	7.01E-07	3.04E-07	3.10E-07	6.14E-07	3.68E-08	5.02E-08	8.70E-08	3.21E-08	3.09E-08	6.29E-08
2897	566933.38	4217249.4	3.62E-07	3.60E-07	7.22E-07	3.14E-07	3.19E-07	6.33E-07	3.79E-08	5.17E-08	8.96E-08	3.30E-08	3.18E-08	6.48E-08
2898	566921.56	4217246.78	3.73E-07	3.72E-07	7.45E-07	3.24E-07	3.29E-07	6.52E-07	3.91E-08	5.33E-08	9.24E-08	3.41E-08	3.28E-08	6.69E-08
2899	566909.75	4217244.17	3.85E-07	3.84E-07	7.69E-07	3.34E-07	3.40E-07	6.74E-07	4.04E-08	5.50E-08	9.54E-08	3.52E-08	3.39E-08	6.90E-08
2900	566897.94	4217241.55	3.98E-07	3.96E-07	7.94E-07	3.45E-07	3.51E-07	6.96E-07	4.17E-08	5.68E-08	9.85E-08	3.63E-08	3.50E-08	7.13E-08
2901	566974.66	4217268.13	3.07E-07	3.06E-07	6.13E-07	2.66E-07	2.71E-07	5.37E-07	3.22E-08	4.39E-08	7.60E-08	2.80E-08	2.70E-08	5.50E-08
2902	566962.91	4217265.53	3.14E-07	3.13E-07	6.27E-07	2.72E-07	2.77E-07	5.50E-07	3.29E-08	4.49E-08	7.78E-08	2.87E-08	2.76E-08	5.63E-08
2903	566939.39	4217260.32	3.31E-07	3.30E-07	6.61E-07	2.87E-07	2.92E-07	5.80E-07	3.47E-08	4.73E-08	8.21E-08	3.03E-08	2.92E-08	5.94E-08
2904	566927.64	4217257.71	3.41E-07	3.40E-07	6.81E-07	2.96E-07	3.01E-07	5.96E-07	3.58E-08	4.87E-08	8.45E-08	3.11E-08	3.00E-08	6.11E-08
2905	566915.88	4217255.11	3.51E-07	3.50E-07	7.01E-07	3.05E-07	3.10E-07	6.14E-07	3.68E-08	5.02E-08	8.70E-08	3.21E-08	3.09E-08	6.30E-08
2906	566904.13	4217252.5	3.62E-07	3.61E-07	7.23E-07	3.14E-07	3.19E-07	6.34E-07	3.80E-08	5.18E-08	8.97E-08	3.31E-08	3.19E-08	6.49E-08
2907	566892.37	4217249.9	3.74E-07	3.72E-07	7.46E-07	3.24E-07	3.30E-07	6.54E-07	3.92E-08	5.34E-08	9.26E-08	3.41E-08	3.29E-08	6.70E-08

2908	567088.05	4217292.03	2.56E-07	2.55E-07	5.12E-07	2.22E-07	2.26E-07	4.48E-07	2.69E-08	3.66E-08	6.35E-08	2.34E-08	2.26E-08	4.60E-08
2909	567077.55	4217297.82	2.47E-07	2.46E-07	4.94E-07	2.14E-07	2.18E-07	4.33E-07	2.59E-08	3.53E-08	6.13E-08	2.26E-08	2.18E-08	4.43E-08
2910	567066.25	4217298.01	2.47E-07	2.46E-07	4.94E-07	2.15E-07	2.18E-07	4.33E-07	2.59E-08	3.53E-08	6.13E-08	2.26E-08	2.18E-08	4.43E-08
2911	567054.55	4217295.42	2.52E-07	2.51E-07	5.03E-07	2.18E-07	2.22E-07	4.40E-07	2.64E-08	3.60E-08	6.24E-08	2.30E-08	2.22E-08	4.51E-08
2912	567042.85	4217292.83	2.56E-07	2.56E-07	5.12E-07	2.22E-07	2.26E-07	4.49E-07	2.69E-08	3.66E-08	6.35E-08	2.34E-08	2.26E-08	4.60E-08
2913	566925.82	4217266.89	3.19E-07	3.18E-07	6.37E-07	2.77E-07	2.81E-07	5.58E-07	3.35E-08	4.56E-08	7.91E-08	2.91E-08	2.81E-08	5.72E-08
2914	566914.12	4217264.3	3.28E-07	3.27E-07	6.55E-07	2.85E-07	2.89E-07	5.74E-07	3.44E-08	4.69E-08	8.13E-08	3.00E-08	2.89E-08	5.89E-08
2915	566902.41	4217261.71	3.38E-07	3.37E-07	6.75E-07	2.93E-07	2.98E-07	5.91E-07	3.54E-08	4.83E-08	8.37E-08	3.09E-08	2.97E-08	6.06E-08
2916	566890.71	4217259.11	3.48E-07	3.47E-07	6.95E-07	3.02E-07	3.07E-07	6.09E-07	3.65E-08	4.98E-08	8.63E-08	3.18E-08	3.07E-08	6.25E-08
2917	567092.9	4217300.05	2.44E-07	2.44E-07	4.88E-07	2.12E-07	2.16E-07	4.28E-07	2.56E-08	3.49E-08	6.06E-08	2.23E-08	2.15E-08	4.38E-08
2918	567082.44	4217305.8	2.36E-07	2.35E-07	4.71E-07	2.05E-07	2.08E-07	4.13E-07	2.47E-08	3.37E-08	5.85E-08	2.16E-08	2.08E-08	4.23E-08
2919	567071.59	4217308.78	2.32E-07	2.31E-07	4.64E-07	2.01E-07	2.05E-07	4.06E-07	2.43E-08	3.32E-08	5.75E-08	2.12E-08	2.04E-08	4.16E-08
2920	567059.94	4217306.2	2.36E-07	2.35E-07	4.71E-07	2.05E-07	2.08E-07	4.13E-07	2.48E-08	3.37E-08	5.85E-08	2.16E-08	2.08E-08	4.23E-08
2921	567048.28	4217303.62	2.40E-07	2.40E-07	4.80E-07	2.08E-07	2.12E-07	4.20E-07	2.52E-08	3.43E-08	5.96E-08	2.19E-08	2.12E-08	4.31E-08
2922	567024.98	4217298.45	2.49E-07	2.49E-07	4.98E-07	2.16E-07	2.20E-07	4.36E-07	2.62E-08	3.57E-08	6.18E-08	2.28E-08	2.20E-08	4.47E-08
2923	567013.32	4217295.87	2.54E-07	2.53E-07	5.07E-07	2.20E-07	2.24E-07	4.44E-07	2.66E-08	3.63E-08	6.30E-08	2.32E-08	2.24E-08	4.56E-08
2924	567001.67	4217293.29	2.59E-07	2.58E-07	5.17E-07	2.24E-07	2.28E-07	4.53E-07	2.71E-08	3.70E-08	6.41E-08	2.36E-08	2.28E-08	4.64E-08
2925	566896.79	4217270.05	3.19E-07	3.18E-07	6.37E-07	2.77E-07	2.81E-07	5.58E-07	3.35E-08	4.56E-08	7.91E-08	2.91E-08	2.81E-08	5.72E-08
2926	566873.49	4217264.88	3.39E-07	3.37E-07	6.76E-07	2.94E-07	2.99E-07	5.92E-07	3.55E-08	4.84E-08	8.39E-08	3.09E-08	2.98E-08	6.07E-08
2927	566984.36	4217075.23	2.73E-06	2.72E-06	5.45E-06	2.37E-06	2.41E-06	4.77E-06	2.86E-07	3.90E-07	6.76E-07	2.49E-07	2.40E-07	4.89E-07
2928	566921.49	4217140.18	1.06E-06	1.05E-06	2.11E-06	9.17E-07	9.32E-07	1.85E-06	1.11E-07	1.51E-07	2.62E-07	9.65E-08	9.30E-08	1.90E-07
2929	566915.24	4217147.99	9.68E-07	9.65E-07	1.93E-06	8.39E-07	8.54E-07	1.69E-06	1.01E-07	1.38E-07	2.40E-07	8.84E-08	8.52E-08	1.74E-07
2930	566908.99	4217155.79	8.88E-07	8.86E-07	1.77E-06	7.71E-07	7.84E-07	1.55E-06	9.32E-08	1.27E-07	2.20E-07	8.11E-08	7.82E-08	1.59E-07
2931	566871.81	4217215.7	5.05E-07	5.04E-07	1.01E-06	4.39E-07	4.46E-07	8.84E-07	5.30E-08	7.23E-08	1.25E-07	4.62E-08	4.45E-08	9.07E-08
2932	566865.55	4217223.5	4.75E-07	4.73E-07	9.48E-07	4.12E-07	4.19E-07	8.30E-07	4.98E-08	6.78E-08	1.18E-07	4.33E-08	4.18E-08	8.51E-08
2933	566941.1	4216986.91	5.40E-06	5.39E-06	1.08E-05	4.69E-06	4.77E-06	9.46E-06	5.67E-07	7.72E-07	1.34E-06	4.94E-07	4.76E-07	9.69E-07
2934	567105.11	4217057.3	1.09E-05	1.08E-05	2.17E-05	9.44E-06	9.60E-06	1.90E-05	1.14E-06	1.56E-06	2.70E-06	9.94E-07	9.58E-07	1.95E-06
2935	567123.77	4217062.54	1.04E-05	1.04E-05	2.08E-05	9.03E-06	9.18E-06	1.82E-05	1.09E-06	1.49E-06	2.58E-06	9.51E-07	9.16E-07	1.87E-06
2936	567133.1	4217065.16	1.01E-05	1.00E-05	2.01E-05	8.72E-06	8.87E-06	1.76E-05	1.05E-06	1.44E-06	2.49E-06	9.18E-07	8.85E-07	1.80E-06
2937	567121.07	4217072.17	6.85E-06	6.83E-06	1.37E-05	5.94E-06	6.04E-06	1.20E-05	7.18E-07	9.79E-07	1.70E-06	6.26E-07	6.03E-07	1.23E-06
2938	567130.4	4217074.79	6.80E-06	6.77E-06	1.36E-05	5.90E-06	5.99E-06	1.19E-05	7.13E-07	9.71E-07	1.68E-06	6.21E-07	5.98E-07	1.22E-06
2939	566971.93	4217095.26	1.97E-06	1.96E-06	3.93E-06	1.71E-06	1.74E-06	3.44E-06	2.06E-07	2.81E-07	4.88E-07	1.80E-07	1.73E-07	3.53E-07
2940	566934.25	4217088.37	1.96E-06	1.96E-06	3.92E-06	1.70E-06	1.73E-06	3.43E-06	2.06E-07	2.80E-07	4.86E-07	1.79E-07	1.73E-07	3.52E-07
2941	566937.86	4217114.93	1.44E-06	1.43E-06	2.87E-06	1.25E-06	1.27E-06	2.51E-06	1.51E-07	2.05E-07	3.56E-07	1.31E-07	1.26E-07	2.58E-07
2942	566923.51	4217103.3	1.60E-06	1.60E-06	3.20E-06	1.39E-06	1.42E-06	2.81E-06	1.68E-07	2.29E-07	3.98E-07	1.47E-07	1.41E-07	2.88E-07
2943	566892.71	4216996.09	3.28E-06	3.27E-06	6.55E-06	2.85E-06	2.89E-06	5.74E-06	3.44E-07	4.69E-07	8.13E-07	3.00E-07	2.89E-07	5.88E-07
2944	566874.6	4217000.12	2.81E-06	2.80E-06	5.61E-06	2.44E-06	2.48E-06	4.92E-06	2.95E-07	4.02E-07	6.96E-07	2.57E-07	2.47E-07	5.04E-07
2945	566828.79	4217003.34	2.04E-06	2.03E-06	4.08E-06	1.77E-06	1.80E-06	3.57E-06	2.14E-07	2.92E-07	5.06E-07	1.86E-07	1.80E-07	3.66E-07
2946	566887.02	4217191.93	6.21E-07	6.19E-07	1.24E-06	5.39E-07	5.48E-07	1.09E-06	6.52E-08	8.88E-08	1.54E-07	5.67E-08	5.47E-08	1.11E-07
2947	566872.25	4217179.96	6.96E-07	6.94E-07	1.39E-06	6.04E-07	6.14E-07	1.22E-06	7.30E-08	9.95E-08	1.73E-07	6.36E-08	6.13E-08	1.25E-07
2948	566801.76	4217011.12	1.71E-06	1.71E-06	3.42E-06	1.49E-06	1.51E-06	3.00E-06	1.80E-07	2.45E-07	4.24E-07	1.56E-07	1.51E-07	3.07E-07
2949	567053.43	4217312.85	2.28E-07	2.27E-07	4.55E-07	1.98E-07	2.01E-07	3.98E-07	2.39E-08	3.25E-08	5.64E-08	2.08E-08	2.00E-08	4.08E-08
2950	567062.76	4217315.47	2.24E-07	2.23E-07	4.47E-07	1.94E-07	1.98E-07	3.92E-07	2.35E-08	3.20E-08	5.55E-08	2.05E-08	1.97E-08	4.02E-08
2951	567072.09	4217318.09	2.20E-07	2.20E-07	4.40E-07	1.91E-07	1.94E-07	3.86E-07	2.31E-08	3.15E-08	5.46E-08	2.01E-08	1.94E-08	3.95E-08
2952	566852.55	4217211.27	5.30E-07	5.28E-07	1.06E-06	4.60E-07	4.67E-07	9.27E-07	5.56E-08	7.58E-08	1.31E-07	4.84E-08	4.66E-08	9.51E-08
2953	566966.74	4217298.87	2.53E-07	2.52E-07	5.05E-07	2.19E-07	2.23E-07	4.43E-07	2.65E-08	3.62E-08	6.27E-08	2.31E-08	2.23E-08	4.54E-08
2954	566976.07	4217301.49	2.48E-07	2.48E-07	4.96E-07	2.15E-07	2.19E-07	4.35E-07	2.60E-08	3.55E-08	6.15E-08	2.27E-08	2.19E-08	4.45E-08
2955	566985.4	4217304.12	2.44E-07	2.43E-07	4.87E-07	2.12E-07	2.15E-07	4.27E-07	2.56E-08	3.49E-08	6.04E-08	2.23E-08	2.15E-08	4.37E-08
2956	566994.73	4217306.74	2.40E-07	2.39E-07	4.78E-07	2.08E-07	2.11E-07	4.19E-07	2.51E-08	3.43E-08	5.94E-08	2.19E-08	2.11E-08	4.30E-08
2957	567004.06	4217309.36	2.36E-07	2.35E-07	4.70E-07	2.04E-07	2.08E-07	4.12E-07	2.47E-08	3.37E-08	5.84E-08	2.15E-08	2.07E-08	4.23E-08
2958	567013.4	4217311.98	2.32E-07	2.31E-07	4.62E-07	2.01E-07	2.04E-07	4.05E-07	2.43E-08	3.31E-08	5.74E-08	2.12E-08	2.04E-08	4.15E-08
2959	567022.73	4217314.61	2.28E-07	2.27E-07	4.55E-07	1.98E-07	2.01E-07	3.98E-07	2.39E-08	3.25E-08	5.64E-08	2.08E-08	2.00E-08	4.08E-08
2960	567041.39	4217319.85	2.20E-07	2.19E-07	4.39E-07	1.91E-07	1.94E-07	3.85E-07	2.31E-08	3.14E-08	5.45E-08	2.01E-08	1.94E-08	3.94E-08
2961	567050.72	4217322.47	2.16E-07	2.15E-07	4.32E-07	1.87E-07	1.91E-07	3.78E-07	2.27E-08	3.09E-08	5.36E-08	1.97E-08	1.90E-08	3.88E-08
2962	567060.05	4217325.1	2.13E-07	2.12E-07	4.24E-07	1.84E-07	1.87E-07	3.72E-07	2.23E-08	3.04E-08	5.27E-08	1.94E-08	1.87E-08	3.81E-08
2963	567069.39	4217327.72	2.09E-07	2.09E-07	4.18E-07	1.82E-07	1.85E-07	3.66E-07	2.19E-08	2.99E-08	5.19E-08	1.91E-08	1.84E-08	3.75E-08
2964	566947.27	4217299.85	2.53E-07	2.52E-07	5.06E-07	2.20E-07	2.23E-07	4.43E-07	2.66E-08	3.62E-08	6.28E-08	2.31E-08	2.23E-08	4.54E-08
2965	566939.83	4217293.83	2.64E-07	2.63E-07	5.27E-07	2.29E-07	2.33E-07	4.61E-07	2.77E-08	3.77E-08	6.54E-08	2.41E-08	2.32E-08	4.73E-08
2966	566765.45	4217018.17	1.40E-06	1.39E-06	2.79E-06	1.21E-06	1.23E-06	2.44E-06	1.46E-07	2.00E-07	3.46E-07	1.28E-07	1.23E-07	2.51E-07
2967	566964.03	4217308.5	2.39E-07	2.39E-07	4.78E-07	2.08E-07	2.11E-07	4.19E-07	2.51E-08	3.42E-08	5.93E-08	2.19E-08	2.11E-08	4.29E-08
2968	566973.36	4217311.12	2.35E-07	2.34E-07	4.70E-07	2.04E-07	2.08E-07	4.12E-07	2.47E-08	3.36E-08	5.83E-08	2.15E-08	2.07E-08	4.22E-08
2969	566982.7	4217313.74	2.31E-07	2.31E-07	4.62E-07	2.01E-07	2.04E-07	4.05E-07	2.43E-08	3.31E-08	5.73E-08	2.11E-08	2.04E-08	4.15E-08
2970	566992.03	4217316.36	2.27E-07	2.27E-07	4.54E-07	1.97E-07	2.01E-07	3.98E-07	2.38E-08	3.25E-08	5.63E-08	2.08E-08	2.00E-08	4.08E-08
2971	567001.36	4217318.99	2.24E-07	2.23E-07	4.46E-07	1.94E-07	1.97E-07	3.91E-07	2.35E-08	3.20E-08	5.54E-08	2.04E-08	1.97E-08	4.01E-08
2972	567010.69	4217321.61	2.20E-07	2.19E-07	4.39E-07	1.91E-07	1.94E-07	3.85E-07	2.31E-08	3.14E-08	5.45E-08	2.01E-08	1.94E-08	3.94E-08
2973	567020.02	4217324.23	2.16E-07	2.16E-07	4.32E-07	1.88E-07	1.91E-07	3.78E-07	2.27E-08	3.09E-08	5.36E-08	1.98E-08	1.90E-08	3.88E-08
2974	567038.69	4217329.48	2.09E-07	2.08E-07	4.17E-07	1.81E-07	1.84E-07	3.66E-07	2.19E-08	2.99E-08	5.18E-08	1.91E-08	1.84E-08	3.75E-08
2975	567048.02	4217332.1	2.06E-07	2.05E-07	4.10E-07	1.78E-07	1.81E-07	3.60E-07	2.16E-08	2.94E-08	5.09E-08	1.88E-08	1.81E-08	3.69E-08
2976	567057.35	4217334.72	2.02E-07	2.02E-07	4.04E-07	1.75E-07	1.78E-07	3.54E-07	2.12E-08	2.89E-08	5.01E-08	1.85E-08	1.78E-08	3.63E-08
2977	567066.68	4217337.34	1.99E-07	1.99E-07	3.98E-07	1.73E-07	1.76E-07	3.48E-07	2.09E-08	2.85E-08	4.93E-08	1.82E-08	1.75E-08	3.57E-08
2978	566944.61	4217309.52	2.39E-07	2.39E-07	4.78E-07	2.08E-07	2.11E-07	4.19E-07	2.51E-08	3.42E-08	5.93E-08	2.19E-08	2.11E-08	4.29E-08

2979	566937.23	4217303.54	2.49E-07	2.48E-07	4.96E-07	2.16E-07	2.19E-07	4.35E-07	2.61E-08	3.55E-08	6.16E-08	2.27E-08	2.19E-08	4.46E-08
2980	566929.85	4217297.55	2.59E-07	2.58E-07	5.17E-07	2.25E-07	2.28E-07	4.53E-07	2.71E-08	3.70E-08	6.41E-08	2.36E-08	2.28E-08	4.64E-08
2981	566870.79	4217249.69	3.81E-07	3.80E-07	7.62E-07	3.31E-07	3.36E-07	6.67E-07	4.00E-08	5.45E-08	9.45E-08	3.48E-08	3.36E-08	6.84E-08
2982	566970.66	4217320.75	2.23E-07	2.23E-07	4.46E-07	1.94E-07	1.97E-07	3.91E-07	2.34E-08	3.19E-08	5.53E-08	2.04E-08	1.96E-08	4.00E-08
2983	566979.99	4217323.37	2.20E-07	2.19E-07	4.39E-07	1.91E-07	1.94E-07	3.84E-07	2.30E-08	3.14E-08	5.44E-08	2.01E-08	1.93E-08	3.94E-08
2984	566989.32	4217325.99	2.16E-07	2.15E-07	4.31E-07	1.87E-07	1.91E-07	3.78E-07	2.27E-08	3.09E-08	5.36E-08	1.97E-08	1.90E-08	3.88E-08
2985	566998.65	4217328.61	2.13E-07	2.12E-07	4.25E-07	1.84E-07	1.88E-07	3.72E-07	2.23E-08	3.04E-08	5.27E-08	1.94E-08	1.87E-08	3.81E-08
2986	567007.98	4217331.24	2.09E-07	2.09E-07	4.18E-07	1.82E-07	1.85E-07	3.66E-07	2.19E-08	2.99E-08	5.19E-08	1.91E-08	1.84E-08	3.75E-08
2987	567017.32	4217333.86	2.06E-07	2.05E-07	4.11E-07	1.79E-07	1.82E-07	3.60E-07	2.16E-08	2.94E-08	5.10E-08	1.88E-08	1.81E-08	3.69E-08
2988	567026.65	4217336.48	2.03E-07	2.02E-07	4.04E-07	1.76E-07	1.79E-07	3.54E-07	2.12E-08	2.89E-08	5.02E-08	1.85E-08	1.78E-08	3.63E-08
2989	567045.31	4217341.73	1.96E-07	1.95E-07	3.91E-07	1.70E-07	1.73E-07	3.43E-07	2.05E-08	2.80E-08	4.86E-08	1.79E-08	1.72E-08	3.51E-08
2990	567054.64	4217344.35	1.93E-07	1.92E-07	3.85E-07	1.67E-07	1.70E-07	3.37E-07	2.02E-08	2.76E-08	4.78E-08	1.76E-08	1.70E-08	3.46E-08
2991	567063.97	4217346.97	1.90E-07	1.89E-07	3.79E-07	1.65E-07	1.67E-07	3.32E-07	1.99E-08	2.71E-08	4.70E-08	1.73E-08	1.67E-08	3.40E-08
2992	566941.95	4217319.18	2.26E-07	2.26E-07	4.52E-07	1.97E-07	2.00E-07	3.96E-07	2.38E-08	3.24E-08	5.61E-08	2.07E-08	1.99E-08	4.06E-08
2993	566934.62	4217313.24	2.35E-07	2.34E-07	4.69E-07	2.04E-07	2.07E-07	4.11E-07	2.46E-08	3.36E-08	5.82E-08	2.14E-08	2.07E-08	4.21E-08
2994	566927.28	4217307.29	2.44E-07	2.43E-07	4.87E-07	2.12E-07	2.15E-07	4.27E-07	2.56E-08	3.49E-08	6.05E-08	2.23E-08	2.15E-08	4.38E-08
2995	566919.95	4217301.35	2.54E-07	2.53E-07	5.07E-07	2.20E-07	2.24E-07	4.44E-07	2.66E-08	3.63E-08	6.29E-08	2.32E-08	2.23E-08	4.55E-08
2996	566912.61	4217295.41	2.64E-07	2.64E-07	5.28E-07	2.29E-07	2.33E-07	4.63E-07	2.77E-08	3.78E-08	6.55E-08	2.42E-08	2.33E-08	4.74E-08
2997	566773.24	4217182.46	6.42E-07	6.40E-07	1.28E-06	5.57E-07	5.66E-07	1.12E-06	6.73E-08	9.17E-08	1.59E-07	5.86E-08	5.65E-08	1.15E-07
2998	566765.91	4217176.51	6.62E-07	6.60E-07	1.32E-06	5.74E-07	5.84E-07	1.16E-06	6.94E-08	9.46E-08	1.64E-07	6.04E-08	5.82E-08	1.19E-07
2999	566757.86	4217161.15	7.20E-07	7.17E-07	1.44E-06	6.24E-07	6.35E-07	1.26E-06	7.55E-08	1.03E-07	1.78E-07	6.57E-08	6.33E-08	1.29E-07
3000	566949.29	4217325.13	2.19E-07	2.18E-07	4.37E-07	1.90E-07	1.93E-07	3.83E-07	2.30E-08	3.13E-08	5.42E-08	2.00E-08	1.93E-08	3.93E-08
3001	566967.95	4217330.37	2.12E-07	2.12E-07	4.24E-07	1.84E-07	1.87E-07	3.71E-07	2.23E-08	3.03E-08	5.26E-08	1.94E-08	1.87E-08	3.81E-08
3002	566977.28	4217333	2.09E-07	2.08E-07	4.17E-07	1.81E-07	1.84E-07	3.65E-07	2.19E-08	2.99E-08	5.18E-08	1.91E-08	1.84E-08	3.75E-08
3003	566986.62	4217335.62	2.06E-07	2.05E-07	4.11E-07	1.78E-07	1.81E-07	3.60E-07	2.16E-08	2.94E-08	5.10E-08	1.88E-08	1.81E-08	3.69E-08
3004	566995.95	4217338.24	2.03E-07	2.02E-07	4.04E-07	1.76E-07	1.79E-07	3.54E-07	2.12E-08	2.90E-08	5.02E-08	1.85E-08	1.78E-08	3.63E-08
3005	567005.28	4217340.86	1.99E-07	1.99E-07	3.98E-07	1.73E-07	1.76E-07	3.49E-07	2.09E-08	2.85E-08	4.94E-08	1.82E-08	1.76E-08	3.58E-08
3006	567014.61	4217343.49	1.96E-07	1.96E-07	3.92E-07	1.70E-07	1.73E-07	3.43E-07	2.06E-08	2.81E-08	4.86E-08	1.79E-08	1.73E-08	3.52E-08
3007	567023.94	4217346.11	1.93E-07	1.93E-07	3.86E-07	1.68E-07	1.70E-07	3.38E-07	2.03E-08	2.76E-08	4.79E-08	1.76E-08	1.70E-08	3.46E-08
3008	567042.61	4217351.35	1.87E-07	1.86E-07	3.73E-07	1.62E-07	1.65E-07	3.27E-07	1.96E-08	2.67E-08	4.64E-08	1.71E-08	1.65E-08	3.35E-08
3009	567051.94	4217353.98	1.84E-07	1.83E-07	3.67E-07	1.60E-07	1.62E-07	3.22E-07	1.93E-08	2.63E-08	4.56E-08	1.68E-08	1.62E-08	3.30E-08
3010	567061.27	4217356.6	1.81E-07	1.81E-07	3.62E-07	1.57E-07	1.60E-07	3.17E-07	1.90E-08	2.59E-08	4.49E-08	1.66E-08	1.60E-08	3.25E-08
3011	567279.1	4217261.6	6.65E-07	6.63E-07	1.33E-06	5.77E-07	5.86E-07	1.16E-06	6.97E-08	9.50E-08	1.65E-07	6.07E-08	5.85E-08	1.19E-07
3012	567122.82	4217293.39	2.60E-07	2.59E-07	5.18E-07	2.25E-07	2.29E-07	4.54E-07	2.72E-08	3.71E-08	6.43E-08	2.37E-08	2.29E-08	4.66E-08
3013	567289.51	4217263.28	6.83E-07	6.81E-07	1.36E-06	5.93E-07	6.03E-07	1.20E-06	7.17E-08	9.77E-08	1.69E-07	6.24E-08	6.02E-08	1.23E-07
3014	567218.76	4217291.17	3.59E-07	3.58E-07	7.17E-07	3.12E-07	3.17E-07	6.29E-07	3.77E-08	5.14E-08	8.90E-08	3.28E-08	3.16E-08	6.44E-08
3015	567209.76	4217292.25	3.40E-07	3.39E-07	6.79E-07	2.95E-07	3.00E-07	5.95E-07	3.57E-08	4.86E-08	8.43E-08	3.11E-08	3.00E-08	6.10E-08
3016	567200.77	4217293.34	3.23E-07	3.22E-07	6.45E-07	2.80E-07	2.85E-07	5.65E-07	3.39E-08	4.62E-08	8.01E-08	2.95E-08	2.84E-08	5.80E-08
3017	567191.77	4217294.42	3.08E-07	3.07E-07	6.15E-07	2.67E-07	2.72E-07	5.39E-07	3.23E-08	4.40E-08	7.63E-08	2.81E-08	2.71E-08	5.52E-08
3018	567173.77	4217296.58	2.83E-07	2.82E-07	5.65E-07	2.46E-07	2.50E-07	4.95E-07	2.97E-08	4.05E-08	7.02E-08	2.59E-08	2.49E-08	5.08E-08
3019	567164.77	4217297.66	2.73E-07	2.72E-07	5.46E-07	2.37E-07	2.41E-07	4.78E-07	2.87E-08	3.91E-08	6.77E-08	2.50E-08	2.40E-08	4.90E-08
3020	567155.78	4217298.74	2.65E-07	2.64E-07	5.29E-07	2.30E-07	2.34E-07	4.63E-07	2.78E-08	3.79E-08	6.56E-08	2.42E-08	2.33E-08	4.75E-08
3021	567146.78	4217299.82	2.58E-07	2.57E-07	5.15E-07	2.24E-07	2.27E-07	4.51E-07	2.70E-08	3.69E-08	6.39E-08	2.35E-08	2.27E-08	4.62E-08
3022	567137.78	4217300.9	2.52E-07	2.51E-07	5.03E-07	2.19E-07	2.22E-07	4.41E-07	2.64E-08	3.60E-08	6.25E-08	2.30E-08	2.22E-08	4.52E-08
3023	567119.79	4217303.06	2.43E-07	2.43E-07	4.86E-07	2.11E-07	2.15E-07	4.26E-07	2.55E-08	3.48E-08	6.03E-08	2.22E-08	2.14E-08	4.37E-08
3024	567305.4	4217257.97	7.67E-07	7.64E-07	1.53E-06	6.65E-07	6.76E-07	1.34E-06	8.04E-08	1.10E-07	1.90E-07	7.00E-08	6.75E-08	1.37E-07
3025	567268.72	4217294.48	4.52E-07	4.50E-07	9.02E-07	3.92E-07	3.98E-07	7.90E-07	4.74E-08	6.46E-08	1.12E-07	4.13E-08	3.98E-08	8.10E-08
3026	567250.84	4217296.62	4.03E-07	4.02E-07	8.05E-07	3.50E-07	3.56E-07	7.06E-07	4.23E-08	5.77E-08	1.00E-07	3.68E-08	3.55E-08	7.23E-08
3027	567232.97	4217298.77	3.60E-07	3.59E-07	7.19E-07	3.12E-07	3.18E-07	6.30E-07	3.78E-08	5.15E-08	8.92E-08	3.29E-08	3.17E-08	6.46E-08
3028	567215.09	4217300.92	3.23E-07	3.22E-07	6.45E-07	2.80E-07	2.85E-07	5.65E-07	3.39E-08	4.62E-08	8.01E-08	2.95E-08	2.84E-08	5.80E-08
3029	567197.22	4217303.06	2.93E-07	2.92E-07	5.86E-07	2.54E-07	2.59E-07	5.13E-07	3.08E-08	4.19E-08	7.27E-08	2.68E-08	2.58E-08	5.26E-08
3030	567179.34	4217305.21	2.70E-07	2.69E-07	5.39E-07	2.34E-07	2.38E-07	4.72E-07	2.83E-08	3.86E-08	6.69E-08	2.47E-08	2.38E-08	4.84E-08
3031	567170.4	4217306.28	2.61E-07	2.60E-07	5.20E-07	2.26E-07	2.30E-07	4.56E-07	2.73E-08	3.73E-08	6.46E-08	2.38E-08	2.29E-08	4.67E-08
3032	567152.53	4217308.43	2.46E-07	2.45E-07	4.91E-07	2.13E-07	2.17E-07	4.30E-07	2.58E-08	3.52E-08	6.09E-08	2.25E-08	2.16E-08	4.41E-08
3033	567134.65	4217310.58	2.36E-07	2.35E-07	4.71E-07	2.04E-07	2.08E-07	4.12E-07	2.47E-08	3.37E-08	5.84E-08	2.15E-08	2.07E-08	4.23E-08
3034	567116.78	4217312.72	2.29E-07	2.28E-07	4.57E-07	1.99E-07	2.02E-07	4.01E-07	2.40E-08	3.27E-08	5.67E-08	2.09E-08	2.01E-08	4.11E-08
3035	567089.97	4217315.94	2.23E-07	2.22E-07	4.45E-07	1.93E-07	1.97E-07	3.90E-07	2.34E-08	3.18E-08	5.52E-08	2.03E-08	1.96E-08	4.00E-08
3036	567317.1	4217258.02	7.95E-07	7.93E-07	1.59E-06	6.90E-07	7.02E-07	1.39E-06	8.34E-08	1.14E-07	1.97E-07	7.27E-08	7.00E-08	1.43E-07
3037	567311.34	4217265.37	7.27E-07	7.25E-07	1.45E-06	6.31E-07	6.41E-07	1.27E-06	7.62E-08	1.04E-07	1.80E-07	6.64E-08	6.40E-08	1.30E-07
3038	567288.32	4217294.77	4.95E-07	4.94E-07	9.89E-07	4.30E-07	4.37E-07	8.67E-07	5.20E-08	7.08E-08	1.23E-07	4.52E-08	4.36E-08	8.88E-08
3039	567273.3	4217303.23	4.25E-07	4.23E-07	8.48E-07	3.68E-07	3.75E-07	7.43E-07	4.45E-08	6.07E-08	1.05E-07	3.88E-08	3.74E-08	7.62E-08
3040	567254.76	4217305.46	3.78E-07	3.77E-07	7.56E-07	3.28E-07	3.34E-07	6.62E-07	3.97E-08	5.41E-08	9.38E-08	3.46E-08	3.33E-08	6.79E-08
3041	567245.49	4217306.57	3.57E-07	3.56E-07	7.13E-07	3.10E-07	3.15E-07	6.25E-07	3.75E-08	5.11E-08	8.85E-08	3.26E-08	3.14E-08	6.41E-08
3042	567236.22	4217307.68	3.37E-07	3.36E-07	6.74E-07	2.93E-07	2.98E-07	5.90E-07	3.54E-08	4.82E-08	8.36E-08	3.08E-08	2.97E-08	6.05E-08
3043	567226.95	4217308.79	3.19E-07	3.18E-07	6.38E-07	2.77E-07	2.82E-07	5.59E-07	3.35E-08	4.56E-08	7.91E-08	2.92E-08	2.81E-08	5.73E-08
3044	567217.68	4217309.91	3.03E-07	3.02E-07	6.05E-07	2.63E-07	2.67E-07	5.30E-07	3.18E-08	4.33E-08	7.50E-08	2.77E-08	2.66E-08	5.43E-08
3045	567208.42	4217311.02	2.88E-07	2.87E-07	5.75E-07	2.50E-07	2.54E-07	5.04E-07	3.02E-08	4.12E-08	7.14E-08	2.63E-08	2.53E-08	5.16E-08
3046	567199.15	4217312.13	2.75E-07	2.74E-07	5.49E-07	2.38E-07	2.42E-07	4.81E-07	2.88E-08	3.93E-08	6.81E-08	2.51E-08	2.42E-08	4.93E-08
3047	567171.34	4217315.47	2.45E-07	2.44E-07	4.89E-07	2.12E-07	2.16E-07	4.28E-07	2.57E-08	3.50E-08	6.07E-08	2.24E-08	2.16E-08	4.39E-08
3048	567162.07	4217316.59	2.38E-07	2.37E-07	4.74E-07	2.06E-07	2.10E-07	4.16E-07	2.49E-08	3.40E-08	5.89E-08	2.17E-08	2.09E-08	4.26E-08
3049	567152.8	4217317.7	2.31E-07	2.31E-07	4.62E-07	2.01E-07	2.04E-07	4.05E-07	2.43E-08	3.31E-08	5.74E-08	2.11E-08	2.04E-08	4.15E-08

3050	567143.53	4217318.81	2.26E-07	2.26E-07	4.52E-07	1.96E-07	2.00E-07	3.96E-07	2.38E-08	3.24E-08	5.61E-08	2.07E-08	1.99E-08	4.06E-08
3051	567134.27	4217319.93	2.22E-07	2.22E-07	4.44E-07	1.93E-07	1.96E-07	3.89E-07	2.33E-08	3.18E-08	5.51E-08	2.03E-08	1.96E-08	3.99E-08
3052	567125	4217321.04	2.19E-07	2.18E-07	4.38E-07	1.90E-07	1.93E-07	3.83E-07	2.30E-08	3.13E-08	5.43E-08	2.00E-08	1.93E-08	3.93E-08
3053	567115.73	4217322.15	2.16E-07	2.16E-07	4.32E-07	1.88E-07	1.91E-07	3.79E-07	2.27E-08	3.09E-08	5.36E-08	1.98E-08	1.91E-08	3.88E-08
3054	567097.19	4217324.38	2.13E-07	2.12E-07	4.25E-07	1.85E-07	1.88E-07	3.72E-07	2.23E-08	3.04E-08	5.27E-08	1.94E-08	1.87E-08	3.81E-08
3055	567087.92	4217325.49	2.11E-07	2.11E-07	4.22E-07	1.83E-07	1.86E-07	3.70E-07	2.22E-08	3.02E-08	5.24E-08	1.93E-08	1.86E-08	3.79E-08
3056	567078.65	4217326.6	2.10E-07	2.10E-07	4.20E-07	1.82E-07	1.85E-07	3.68E-07	2.20E-08	3.01E-08	5.21E-08	1.92E-08	1.85E-08	3.77E-08
3057	567401.72	4217164.92	1.55E-06	1.54E-06	3.09E-06	1.34E-06	1.37E-06	2.71E-06	1.62E-07	2.21E-07	3.84E-07	1.41E-07	1.36E-07	2.78E-07
3058	567384.58	4217186.81	1.45E-06	1.44E-06	2.89E-06	1.26E-06	1.28E-06	2.53E-06	1.52E-07	2.07E-07	3.59E-07	1.32E-07	1.27E-07	2.60E-07
3059	567378.87	4217194.1	1.40E-06	1.40E-06	2.80E-06	1.21E-06	1.24E-06	2.45E-06	1.47E-07	2.00E-07	3.47E-07	1.28E-07	1.23E-07	2.51E-07
3060	567373.16	4217201.4	1.35E-06	1.34E-06	2.69E-06	1.17E-06	1.19E-06	2.36E-06	1.41E-07	1.92E-07	3.34E-07	1.23E-07	1.19E-07	2.42E-07
3061	567367.45	4217208.69	1.29E-06	1.28E-06	2.57E-06	1.12E-06	1.14E-06	2.25E-06	1.35E-07	1.84E-07	3.19E-07	1.18E-07	1.13E-07	2.31E-07
3062	567356.02	4217223.28	1.16E-06	1.15E-06	2.31E-06	1.00E-06	1.02E-06	2.02E-06	1.21E-07	1.65E-07	2.86E-07	1.06E-07	1.02E-07	2.07E-07
3063	567350.31	4217230.58	1.09E-06	1.08E-06	2.17E-06	9.42E-07	9.58E-07	1.90E-06	1.14E-07	1.55E-07	2.69E-07	9.92E-08	9.56E-08	1.95E-07
3064	567344.6	4217237.87	1.01E-06	1.01E-06	2.03E-06	8.81E-07	8.95E-07	1.78E-06	1.06E-07	1.45E-07	2.52E-07	9.27E-08	8.93E-08	1.82E-07
3065	567327.46	4217259.76	8.05E-07	8.03E-07	1.61E-06	6.99E-07	7.10E-07	1.41E-06	8.45E-08	1.15E-07	2.00E-07	7.36E-08	7.09E-08	1.44E-07
3066	567304.61	4217288.94	5.63E-07	5.61E-07	1.12E-06	4.88E-07	4.97E-07	9.85E-07	5.91E-08	8.05E-08	1.40E-07	5.14E-08	4.96E-08	1.01E-07
3067	567298.9	4217296.24	5.12E-07	5.11E-07	1.02E-06	4.44E-07	4.52E-07	8.96E-07	5.37E-08	7.32E-08	1.27E-07	4.68E-08	4.51E-08	9.19E-08
3068	567293.18	4217303.53	4.66E-07	4.64E-07	9.30E-07	4.04E-07	4.11E-07	8.15E-07	4.88E-08	6.66E-08	1.15E-07	4.25E-08	4.10E-08	8.35E-08
3069	567278.27	4217311.93	4.01E-07	4.00E-07	8.01E-07	3.48E-07	3.54E-07	7.02E-07	4.21E-08	5.73E-08	9.94E-08	3.66E-08	3.53E-08	7.19E-08
3070	567269.07	4217313.04	3.79E-07	3.78E-07	7.57E-07	3.29E-07	3.35E-07	6.64E-07	3.98E-08	5.42E-08	9.40E-08	3.46E-08	3.34E-08	6.80E-08
3071	567250.67	4217315.25	3.39E-07	3.38E-07	6.77E-07	2.94E-07	2.99E-07	5.93E-07	3.56E-08	4.85E-08	8.40E-08	3.10E-08	2.98E-08	6.08E-08
3072	567241.47	4217316.35	3.21E-07	3.20E-07	6.40E-07	2.78E-07	2.83E-07	5.61E-07	3.36E-08	4.58E-08	7.95E-08	2.93E-08	2.82E-08	5.75E-08
3073	567232.27	4217317.46	3.04E-07	3.03E-07	6.07E-07	2.64E-07	2.68E-07	5.32E-07	3.19E-08	4.34E-08	7.53E-08	2.78E-08	2.68E-08	5.45E-08
3074	567223.07	4217318.56	2.89E-07	2.88E-07	5.76E-07	2.50E-07	2.55E-07	5.05E-07	3.03E-08	4.13E-08	7.15E-08	2.64E-08	2.54E-08	5.18E-08
3075	567213.87	4217319.67	2.75E-07	2.74E-07	5.49E-07	2.38E-07	2.42E-07	4.81E-07	2.88E-08	3.93E-08	6.81E-08	2.51E-08	2.42E-08	4.93E-08
3076	567204.68	4217320.77	2.63E-07	2.62E-07	5.24E-07	2.28E-07	2.32E-07	4.59E-07	2.75E-08	3.75E-08	6.51E-08	2.40E-08	2.31E-08	4.71E-08
3077	567195.48	4217321.88	2.52E-07	2.51E-07	5.03E-07	2.18E-07	2.22E-07	4.40E-07	2.64E-08	3.60E-08	6.24E-08	2.30E-08	2.22E-08	4.51E-08
3078	567177.08	4217324.09	2.34E-07	2.34E-07	4.68E-07	2.03E-07	2.07E-07	4.10E-07	2.46E-08	3.35E-08	5.81E-08	2.14E-08	2.06E-08	4.20E-08
3079	567167.88	4217325.19	2.27E-07	2.27E-07	4.54E-07	1.97E-07	2.01E-07	3.98E-07	2.38E-08	3.25E-08	5.64E-08	2.08E-08	2.00E-08	4.08E-08
3080	567158.68	4217326.3	2.22E-07	2.21E-07	4.42E-07	1.92E-07	1.95E-07	3.88E-07	2.32E-08	3.17E-08	5.49E-08	2.02E-08	1.95E-08	3.97E-08
3081	567149.48	4217327.4	2.17E-07	2.16E-07	4.33E-07	1.88E-07	1.91E-07	3.79E-07	2.27E-08	3.10E-08	5.37E-08	1.98E-08	1.91E-08	3.89E-08
3082	567140.28	4217328.51	2.13E-07	2.12E-07	4.25E-07	1.84E-07	1.88E-07	3.72E-07	2.23E-08	3.04E-08	5.27E-08	1.94E-08	1.87E-08	3.81E-08
3083	567131.08	4217329.61	2.09E-07	2.09E-07	4.18E-07	1.82E-07	1.85E-07	3.66E-07	2.20E-08	2.99E-08	5.19E-08	1.91E-08	1.84E-08	3.76E-08
3084	567121.88	4217330.72	2.07E-07	2.06E-07	4.13E-07	1.79E-07	1.82E-07	3.62E-07	2.17E-08	2.96E-08	5.13E-08	1.89E-08	1.82E-08	3.71E-08
3085	567094.28	4217334.03	2.02E-07	2.01E-07	4.03E-07	1.75E-07	1.78E-07	3.53E-07	2.12E-08	2.89E-08	5.00E-08	1.84E-08	1.78E-08	3.62E-08
3086	567085.08	4217335.13	2.01E-07	2.00E-07	4.01E-07	1.74E-07	1.77E-07	3.51E-07	2.11E-08	2.87E-08	4.98E-08	1.83E-08	1.77E-08	3.60E-08
3087	567075.88	4217336.24	2.00E-07	1.99E-07	3.99E-07	1.73E-07	1.76E-07	3.50E-07	2.10E-08	2.86E-08	4.95E-08	1.83E-08	1.76E-08	3.59E-08
3088	567394.49	4217189.13	1.40E-06	1.39E-06	2.79E-06	1.21E-06	1.23E-06	2.45E-06	1.47E-07	2.00E-07	3.47E-07	1.28E-07	1.23E-07	2.51E-07
3089	567388.82	4217196.38	1.36E-06	1.35E-06	2.71E-06	1.18E-06	1.20E-06	2.37E-06	1.42E-07	1.94E-07	3.36E-07	1.24E-07	1.19E-07	2.43E-07
3090	567383.15	4217203.62	1.31E-06	1.31E-06	2.62E-06	1.14E-06	1.16E-06	2.29E-06	1.37E-07	1.87E-07	3.25E-07	1.20E-07	1.15E-07	2.35E-07
3091	567377.48	4217210.87	1.26E-06	1.25E-06	2.51E-06	1.09E-06	1.11E-06	2.20E-06	1.32E-07	1.80E-07	3.12E-07	1.15E-07	1.11E-07	2.25E-07
3092	567371.8	4217218.11	1.20E-06	1.20E-06	2.39E-06	1.04E-06	1.06E-06	2.10E-06	1.26E-07	1.71E-07	2.97E-07	1.10E-07	1.06E-07	2.15E-07
3093	567366.13	4217225.36	1.14E-06	1.13E-06	2.27E-06	9.87E-07	1.00E-06	1.99E-06	1.19E-07	1.63E-07	2.82E-07	1.04E-07	1.00E-07	2.04E-07
3094	567360.46	4217232.6	1.07E-06	1.07E-06	2.15E-06	9.32E-07	9.48E-07	1.88E-06	1.13E-07	1.54E-07	2.66E-07	9.81E-08	9.46E-08	1.93E-07
3095	567354.78	4217239.85	1.01E-06	1.01E-06	2.01E-06	8.75E-07	8.90E-07	1.77E-06	1.06E-07	1.44E-07	2.50E-07	9.21E-08	8.88E-08	1.81E-07
3096	567349.11	4217247.09	9.43E-07	9.40E-07	1.88E-06	8.18E-07	8.32E-07	1.65E-06	9.89E-08	1.35E-07	2.34E-07	8.61E-08	8.30E-08	1.69E-07
3097	567315.07	4217290.56	5.78E-07	5.76E-07	1.15E-06	5.01E-07	5.10E-07	1.01E-06	6.06E-08	8.26E-08	1.43E-07	5.28E-08	5.09E-08	1.04E-07
3098	567309.4	4217297.81	5.28E-07	5.26E-07	1.05E-06	4.58E-07	4.65E-07	9.23E-07	5.53E-08	7.54E-08	1.31E-07	4.82E-08	4.64E-08	9.46E-08
3099	567298.05	4217312.3	4.39E-07	4.37E-07	8.76E-07	3.81E-07	3.87E-07	7.67E-07	4.60E-08	6.27E-08	1.09E-07	4.01E-08	3.86E-08	7.87E-08
3100	567283.24	4217320.64	3.79E-07	3.78E-07	7.57E-07	3.29E-07	3.34E-07	6.63E-07	3.98E-08	5.42E-08	9.40E-08	3.46E-08	3.34E-08	6.80E-08
3101	567274.11	4217321.74	3.59E-07	3.58E-07	7.17E-07	3.12E-07	3.17E-07	6.28E-07	3.77E-08	5.13E-08	8.90E-08	3.28E-08	3.16E-08	6.44E-08
3102	567246.7	4217325.03	3.05E-07	3.04E-07	6.09E-07	2.65E-07	2.69E-07	5.34E-07	3.20E-08	4.36E-08	7.56E-08	2.79E-08	2.69E-08	5.47E-08
3103	567237.56	4217326.12	2.90E-07	2.89E-07	5.78E-07	2.51E-07	2.56E-07	5.07E-07	3.04E-08	4.14E-08	7.18E-08	2.65E-08	2.55E-08	5.20E-08
3104	567228.43	4217327.22	2.75E-07	2.75E-07	5.50E-07	2.39E-07	2.43E-07	4.82E-07	2.89E-08	3.94E-08	6.83E-08	2.52E-08	2.42E-08	4.94E-08
3105	567219.29	4217328.32	2.63E-07	2.62E-07	5.24E-07	2.28E-07	2.32E-07	4.59E-07	2.75E-08	3.75E-08	6.51E-08	2.40E-08	2.31E-08	4.71E-08
3106	567210.15	4217329.42	2.51E-07	2.50E-07	5.01E-07	2.18E-07	2.21E-07	4.39E-07	2.63E-08	3.59E-08	6.22E-08	2.29E-08	2.21E-08	4.50E-08
3107	567201.02	4217330.51	2.41E-07	2.40E-07	4.81E-07	2.09E-07	2.12E-07	4.21E-07	2.53E-08	3.44E-08	5.97E-08	2.20E-08	2.12E-08	4.32E-08
3108	567191.88	4217331.61	2.32E-07	2.31E-07	4.63E-07	2.01E-07	2.05E-07	4.06E-07	2.43E-08	3.32E-08	5.75E-08	2.12E-08	2.04E-08	4.16E-08
3109	567173.61	4217333.81	2.18E-07	2.17E-07	4.35E-07	1.89E-07	1.92E-07	3.81E-07	2.28E-08	3.11E-08	5.40E-08	1.99E-08	1.92E-08	3.91E-08
3110	567164.47	4217334.9	2.12E-07	2.12E-07	4.24E-07	1.84E-07	1.87E-07	3.71E-07	2.23E-08	3.03E-08	5.26E-08	1.94E-08	1.87E-08	3.81E-08
3111	567155.34	4217336	2.08E-07	2.07E-07	4.14E-07	1.80E-07	1.83E-07	3.63E-07	2.18E-08	2.97E-08	5.14E-08	1.90E-08	1.83E-08	3.72E-08
3112	567146.2	4217337.1	2.04E-07	2.03E-07	4.07E-07	1.77E-07	1.80E-07	3.56E-07	2.14E-08	2.91E-08	5.05E-08	1.86E-08	1.79E-08	3.65E-08
3113	567137.06	4217338.19	2.01E-07	2.00E-07	4.00E-07	1.74E-07	1.77E-07	3.51E-07	2.10E-08	2.87E-08	4.97E-08	1.83E-08	1.77E-08	3.60E-08
3114	567127.93	4217339.29	1.98E-07	1.97E-07	3.95E-07	1.72E-07	1.75E-07	3.46E-07	2.08E-08	2.83E-08	4.91E-08	1.81E-08	1.74E-08	3.55E-08
3115	567118.79	4217340.39	1.96E-07	1.95E-07	3.91E-07	1.70E-07	1.73E-07	3.43E-07	2.06E-08	2.80E-08	4.86E-08	1.79E-08	1.72E-08	3.51E-08
3116	567100.52	4217342.58	1.93E-07	1.92E-07	3.86E-07	1.67E-07	1.70E-07	3.38E-07	2.02E-08	2.76E-08	4.78E-08	1.76E-08	1.70E-08	3.46E-08
3117	567091.38	4217343.68	1.92E-07	1.91E-07	3.83E-07	1.67E-07	1.69E-07	3.36E-07	2.01E-08	2.75E-08	4.76E-08	1.75E-08	1.69E-08	3.44E-08
3118	567082.25	4217344.78	1.91E-07	1.91E-07	3.82E-07	1.66E-07	1.69E-07	3.35E-07	2.01E-08	2.73E-08	4.74E-08	1.75E-08	1.68E-08	3.43E-08
3119	567073.11	4217345.87	1.90E-07	1.90E-07	3.80E-07	1.65E-07	1.68E-07	3.33E-07	2.00E-08	2.72E-08	4.72E-08	1.74E-08	1.68E-08	3.42E-08
3120	567398.75	4217198.68	1.31E-06	1.31E-06	2.62E-06	1.14E-06	1.16E-06	2.30E-06	1.38E-07	1.88E-07	3.26E-07	1.20E-07	1.16E-07	2.36E-07

3121	567393.11	4217205.88	1.27E-06	1.27E-06	2.54E-06	1.10E-06	1.12E-06	2.23E-06	1.33E-07	1.82E-07	3.15E-07	1.16E-07	1.12E-07	2.28E-07
3122	567381.84	4217220.27	1.17E-06	1.17E-06	2.34E-06	1.02E-06	1.04E-06	2.05E-06	1.23E-07	1.68E-07	2.91E-07	1.07E-07	1.03E-07	2.11E-07
3123	567370.56	4217234.67	1.06E-06	1.06E-06	2.12E-06	9.20E-07	9.36E-07	1.86E-06	1.11E-07	1.52E-07	2.63E-07	9.69E-08	9.34E-08	1.90E-07
3124	567364.93	4217241.87	1.00E-06	9.97E-07	2.00E-06	8.68E-07	8.82E-07	1.75E-06	1.05E-07	1.43E-07	2.48E-07	9.14E-08	8.80E-08	1.79E-07
3125	567353.65	4217256.27	8.77E-07	8.75E-07	1.75E-06	7.61E-07	7.74E-07	1.54E-06	9.20E-08	1.25E-07	2.17E-07	8.01E-08	7.72E-08	1.57E-07
3126	567325.47	4217292.26	5.91E-07	5.89E-07	1.18E-06	5.13E-07	5.21E-07	1.03E-06	6.20E-08	8.45E-08	1.46E-07	5.40E-08	5.20E-08	1.06E-07
3127	567319.83	4217299.46	5.41E-07	5.40E-07	1.08E-06	4.70E-07	4.78E-07	9.47E-07	5.68E-08	7.74E-08	1.34E-07	4.95E-08	4.77E-08	9.71E-08
3128	567308.56	4217313.86	4.53E-07	4.52E-07	9.04E-07	3.93E-07	4.00E-07	7.92E-07	4.75E-08	6.47E-08	1.12E-07	4.14E-08	3.99E-08	8.12E-08
3129	567288.21	4217329.34	3.59E-07	3.58E-07	7.17E-07	3.12E-07	3.17E-07	6.28E-07	3.77E-08	5.13E-08	8.90E-08	3.28E-08	3.16E-08	6.44E-08
3130	567279.13	4217330.43	3.41E-07	3.40E-07	6.80E-07	2.96E-07	3.01E-07	5.96E-07	3.57E-08	4.87E-08	8.44E-08	3.11E-08	3.00E-08	6.11E-08
3131	567270.06	4217331.52	3.23E-07	3.22E-07	6.45E-07	2.80E-07	2.85E-07	5.65E-07	3.39E-08	4.62E-08	8.01E-08	2.95E-08	2.84E-08	5.79E-08
3132	567251.9	4217333.71	2.91E-07	2.90E-07	5.81E-07	2.52E-07	2.56E-07	5.09E-07	3.05E-08	4.16E-08	7.21E-08	2.66E-08	2.56E-08	5.21E-08
3133	567242.82	4217334.8	2.76E-07	2.75E-07	5.52E-07	2.40E-07	2.44E-07	4.83E-07	2.90E-08	3.95E-08	6.85E-08	2.52E-08	2.43E-08	4.96E-08
3134	567233.74	4217335.89	2.63E-07	2.62E-07	5.25E-07	2.28E-07	2.32E-07	4.60E-07	2.76E-08	3.76E-08	6.52E-08	2.40E-08	2.32E-08	4.72E-08
3135	567224.67	4217336.98	2.51E-07	2.50E-07	5.01E-07	2.18E-07	2.21E-07	4.39E-07	2.63E-08	3.59E-08	6.22E-08	2.29E-08	2.21E-08	4.50E-08
3136	567215.59	4217338.07	2.40E-07	2.39E-07	4.80E-07	2.08E-07	2.12E-07	4.20E-07	2.52E-08	3.43E-08	5.95E-08	2.19E-08	2.11E-08	4.31E-08
3137	567206.51	4217339.16	2.31E-07	2.30E-07	4.61E-07	2.00E-07	2.03E-07	4.04E-07	2.42E-08	3.30E-08	5.72E-08	2.11E-08	2.03E-08	4.14E-08
3138	567197.43	4217340.25	2.22E-07	2.22E-07	4.44E-07	1.93E-07	1.96E-07	3.89E-07	2.33E-08	3.18E-08	5.51E-08	2.03E-08	1.96E-08	3.99E-08
3139	567179.28	4217342.43	2.09E-07	2.08E-07	4.17E-07	1.81E-07	1.84E-07	3.65E-07	2.19E-08	2.98E-08	5.17E-08	1.91E-08	1.84E-08	3.74E-08
3140	567170.2	4217343.52	2.03E-07	2.03E-07	4.06E-07	1.76E-07	1.79E-07	3.56E-07	2.13E-08	2.91E-08	5.04E-08	1.86E-08	1.79E-08	3.65E-08
3141	567161.12	4217344.61	1.99E-07	1.98E-07	3.97E-07	1.73E-07	1.76E-07	3.48E-07	2.09E-08	2.84E-08	4.93E-08	1.82E-08	1.75E-08	3.57E-08
3142	567152.05	4217345.7	1.95E-07	1.95E-07	3.90E-07	1.69E-07	1.72E-07	3.42E-07	2.05E-08	2.79E-08	4.84E-08	1.78E-08	1.72E-08	3.50E-08
3143	567142.97	4217346.79	1.92E-07	1.92E-07	3.84E-07	1.67E-07	1.70E-07	3.36E-07	2.02E-08	2.75E-08	4.76E-08	1.76E-08	1.69E-08	3.45E-08
3144	567133.89	4217347.88	1.90E-07	1.89E-07	3.79E-07	1.65E-07	1.67E-07	3.32E-07	1.99E-08	2.71E-08	4.70E-08	1.73E-08	1.67E-08	3.40E-08
3145	567124.81	4217348.97	1.88E-07	1.87E-07	3.75E-07	1.63E-07	1.66E-07	3.28E-07	1.97E-08	2.68E-08	4.65E-08	1.71E-08	1.65E-08	3.37E-08
3146	567115.74	4217350.06	1.86E-07	1.86E-07	3.72E-07	1.61E-07	1.64E-07	3.26E-07	1.95E-08	2.66E-08	4.61E-08	1.70E-08	1.64E-08	3.34E-08
3147	567097.58	4217352.24	1.84E-07	1.83E-07	3.67E-07	1.59E-07	1.62E-07	3.22E-07	1.93E-08	2.63E-08	4.56E-08	1.68E-08	1.62E-08	3.30E-08
3148	567088.5	4217353.33	1.83E-07	1.82E-07	3.65E-07	1.59E-07	1.61E-07	3.20E-07	1.92E-08	2.62E-08	4.54E-08	1.67E-08	1.61E-08	3.28E-08
3149	567079.42	4217354.42	1.82E-07	1.82E-07	3.64E-07	1.58E-07	1.61E-07	3.19E-07	1.91E-08	2.61E-08	4.52E-08	1.67E-08	1.61E-08	3.27E-08
3150	567070.35	4217355.51	1.82E-07	1.81E-07	3.63E-07	1.58E-07	1.60E-07	3.18E-07	1.91E-08	2.60E-08	4.50E-08	1.66E-08	1.60E-08	3.26E-08

			T2		T3		T4l		T4f	
			1	567145.96						
			1.52E-02	1.64E-02	1.32E-02	1.45E-02	1.59E-03	2.35E-03	1.39E-03	1.45E-03
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	567145.96	4217064.54	1.52E-02	1.64E-02	1.32E-02	1.45E-02	1.59E-03	2.35E-03	1.39E-03	1.45E-03
2	567143.55	4217074.25	1.03E-02	1.12E-02	8.98E-03	9.88E-03	1.09E-03	1.60E-03	9.45E-04	9.86E-04
3	567141.15	4217083.96	7.41E-03	7.99E-03	6.43E-03	7.07E-03	7.77E-04	1.15E-03	6.77E-04	7.06E-04
4	567133.93	4217113.08	3.22E-03	3.48E-03	2.80E-03	3.08E-03	3.38E-04	4.99E-04	2.94E-04	3.07E-04
5	567131.52	4217122.78	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
6	567129.11	4217132.49	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04
7	567126.71	4217142.19	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.62E-04	1.55E-04	1.61E-04
8	567124.3	4217151.9	1.42E-03	1.53E-03	1.23E-03	1.35E-03	1.49E-04	2.19E-04	1.29E-04	1.35E-04
9	567121.89	4217161.61	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.87E-04	1.10E-04	1.15E-04
10	567119.49	4217171.31	1.04E-03	1.12E-03	9.02E-04	9.93E-04	1.09E-04	1.61E-04	9.50E-05	9.91E-05
11	567117.08	4217181.02	9.09E-04	9.81E-04	7.89E-04	8.69E-04	9.54E-05	1.41E-04	8.31E-05	8.67E-05
12	567114.67	4217190.72	8.04E-04	8.68E-04	6.98E-04	7.68E-04	8.44E-05	1.25E-04	7.35E-05	7.67E-05
13	567102.64	4217239.25	4.95E-04	5.34E-04	4.29E-04	4.72E-04	5.19E-05	7.66E-05	4.52E-05	4.71E-05
14	567100.23	4217248.96	4.58E-04	4.94E-04	3.97E-04	4.37E-04	4.80E-05	7.08E-05	4.18E-05	4.36E-05
15	567097.83	4217258.67	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
16	567095.42	4217268.37	3.97E-04	4.28E-04	3.44E-04	3.79E-04	4.16E-05	6.14E-05	3.62E-05	3.78E-05
17	567178.64	4216983.73	3.30E-02	3.57E-02	2.87E-02	3.16E-02	3.46E-03	5.11E-03	3.02E-03	3.15E-03
18	567182.66	4216974.43	3.34E-02	3.60E-02	2.90E-02	3.19E-02	3.50E-03	5.17E-03	3.05E-03	3.18E-03
19	567187.53	4216987.36	2.64E-02	2.85E-02	2.29E-02	2.52E-02	2.77E-03	4.08E-03	2.41E-03	2.51E-03
20	567176.43	4216996.07	3.08E-02	3.33E-02	2.68E-02	2.95E-02	3.24E-03	4.77E-03	2.82E-03	2.94E-03
21	567192.3	4216977.06	2.64E-02	2.85E-02	2.29E-02	2.53E-02	2.77E-03	4.09E-03	2.42E-03	2.52E-03
22	567196.79	4216990.49	2.18E-02	2.35E-02	1.89E-02	2.08E-02	2.28E-03	3.37E-03	1.99E-03	2.07E-03
23	567189.91	4216999.48	2.28E-02	2.46E-02	1.98E-02	2.18E-02	2.39E-03	3.53E-03	2.08E-03	2.17E-03
24	567180.87	4217004.78	2.59E-02	2.80E-02	2.25E-02	2.47E-02	2.72E-03	4.01E-03	2.37E-03	2.47E-03
25	567169.67	4217006.41	3.30E-02	3.57E-02	2.87E-02	3.15E-02	3.46E-03	5.11E-03	3.02E-03	3.15E-03
26	567201.95	4216979.69	2.17E-02	2.34E-02	1.88E-02	2.07E-02	2.28E-03	3.36E-03	1.98E-03	2.07E-03
27	567206.21	4216993.42	1.84E-02	1.98E-02	1.59E-02	1.75E-02	1.93E-03	2.84E-03	1.68E-03	1.75E-03
28	567198.87	4217003.01	1.91E-02	2.07E-02	1.66E-02	1.83E-02	2.01E-03	2.96E-03	1.75E-03	1.83E-03
29	567185.56	4217013.46	2.20E-02	2.37E-02	1.91E-02	2.10E-02	2.30E-03	3.40E-03	2.01E-03	2.09E-03
30	567173.61	4217015.19	2.75E-02	2.97E-02	2.39E-02	2.63E-02	2.88E-03	4.26E-03	2.51E-03	2.62E-03
31	567211.6	4216982.32	1.83E-02	1.97E-02	1.58E-02	1.74E-02	1.92E-03	2.83E-03	1.67E-03	1.74E-03
32	567215.71	4216996.25	1.58E-02	1.70E-02	1.37E-02	1.50E-02	1.65E-03	2.44E-03	1.44E-03	1.50E-03
33	567208.06	4217006.24	1.64E-02	1.77E-02	1.42E-02	1.57E-02	1.72E-03	2.54E-03	1.50E-03	1.56E-03
34	567200.42	4217016.23	1.70E-02	1.83E-02	1.47E-02	1.62E-02	1.78E-03	2.63E-03	1.55E-03	1.62E-03
35	567190.37	4217022.12	1.88E-02	2.03E-02	1.63E-02	1.80E-02	1.97E-03	2.91E-03	1.72E-03	1.79E-03
36	567177.93	4217023.93	2.30E-02	2.48E-02	1.99E-02	2.19E-02	2.41E-03	3.55E-03	2.10E-03	2.19E-03
37	567165.48	4217025.73	2.97E-02	3.20E-02	2.57E-02	2.83E-02	3.11E-03	4.59E-03	2.71E-03	2.83E-03
38	567221.25	4216984.95	1.56E-02	1.69E-02	1.35E-02	1.49E-02	1.64E-03	2.42E-03	1.43E-03	1.49E-03
39	567225.24	4216999.03	1.37E-02	1.48E-02	1.19E-02	1.31E-02	1.44E-03	2.12E-03	1.25E-03	1.31E-03
40	567217.38	4217009.3	1.42E-02	1.54E-02	1.24E-02	1.36E-02	1.49E-03	2.20E-03	1.30E-03	1.36E-03
41	567209.52	4217019.57	1.47E-02	1.58E-02	1.27E-02	1.40E-02	1.54E-03	2.27E-03	1.34E-03	1.40E-03
42	567195.26	4217030.77	1.62E-02	1.75E-02	1.41E-02	1.55E-02	1.70E-03	2.51E-03	1.48E-03	1.54E-03
43	567182.45	4217032.63	1.93E-02	2.08E-02	1.68E-02	1.84E-02	2.03E-03	2.99E-03	1.76E-03	1.84E-03
44	567169.65	4217034.48	2.40E-02	2.59E-02	2.08E-02	2.29E-02	2.52E-03	3.71E-03	2.19E-03	2.29E-03
45	567230.89	4216987.59	1.35E-02	1.46E-02	1.17E-02	1.29E-02	1.42E-03	2.09E-03	1.23E-03	1.29E-03
46	567235.26	4217001.18	1.20E-02	1.29E-02	1.04E-02	1.15E-02	1.26E-03	1.86E-03	1.10E-03	1.14E-03
47	567228.12	4217010.51	1.24E-02	1.34E-02	1.08E-02	1.19E-02	1.31E-03	1.93E-03	1.14E-03	1.19E-03
48	567220.99	4217019.83	1.28E-02	1.38E-02	1.11E-02	1.22E-02	1.34E-03	1.98E-03	1.17E-03	1.22E-03
49	567213.85	4217029.15	1.30E-02	1.40E-02	1.13E-02	1.24E-02	1.36E-03	2.01E-03	1.19E-03	1.24E-03
50	567200.91	4217039.31	1.39E-02	1.50E-02	1.21E-02	1.33E-02	1.46E-03	2.16E-03	1.27E-03	1.33E-03

51	567189.29	4217041	1.59E-02	1.71E-02	1.38E-02	1.52E-02	1.67E-03	2.46E-03	1.45E-03	1.51E-03
52	567177.68	4217042.68	1.85E-02	1.99E-02	1.60E-02	1.76E-02	1.94E-03	2.86E-03	1.69E-03	1.76E-03
53	567166.06	4217044.36	2.21E-02	2.39E-02	1.92E-02	2.11E-02	2.32E-03	3.42E-03	2.02E-03	2.11E-03
54	567240.54	4216990.22	1.18E-02	1.27E-02	1.02E-02	1.13E-02	1.24E-03	1.82E-03	1.08E-03	1.12E-03
55	567244.8	4217003.95	1.06E-02	1.15E-02	9.22E-03	1.01E-02	1.11E-03	1.64E-03	9.71E-04	1.01E-03
56	567237.46	4217013.54	1.10E-02	1.19E-02	9.58E-03	1.05E-02	1.16E-03	1.71E-03	1.01E-03	1.05E-03
57	567230.13	4217023.13	1.13E-02	1.22E-02	9.84E-03	1.08E-02	1.19E-03	1.76E-03	1.04E-03	1.08E-03
58	567222.79	4217032.71	1.15E-02	1.24E-02	9.99E-03	1.10E-02	1.21E-03	1.78E-03	1.05E-03	1.10E-03
59	567215.45	4217042.3	1.16E-02	1.25E-02	1.00E-02	1.10E-02	1.21E-03	1.79E-03	1.06E-03	1.10E-03
60	567205.81	4217047.96	1.21E-02	1.31E-02	1.05E-02	1.16E-02	1.27E-03	1.88E-03	1.11E-03	1.16E-03
61	567193.86	4217049.69	1.36E-02	1.46E-02	1.18E-02	1.30E-02	1.42E-03	2.10E-03	1.24E-03	1.29E-03
62	567181.91	4217051.42	1.53E-02	1.65E-02	1.33E-02	1.46E-02	1.60E-03	2.37E-03	1.40E-03	1.46E-03
63	567169.96	4217053.15	1.75E-02	1.88E-02	1.51E-02	1.67E-02	1.83E-03	2.70E-03	1.59E-03	1.66E-03
64	567158.01	4217054.88	2.01E-02	2.17E-02	1.75E-02	1.92E-02	2.11E-03	3.12E-03	1.84E-03	1.92E-03
65	567250.19	4216992.85	1.04E-02	1.12E-02	9.00E-03	9.91E-03	1.09E-03	1.61E-03	9.48E-04	9.89E-04
66	567254.36	4217006.69	9.47E-03	1.02E-02	8.21E-03	9.04E-03	9.93E-04	1.47E-03	8.65E-04	9.02E-04
67	567246.86	4217016.5	9.86E-03	1.06E-02	8.55E-03	9.41E-03	1.03E-03	1.53E-03	9.00E-04	9.39E-04
68	567239.36	4217026.3	1.01E-02	1.09E-02	8.79E-03	9.68E-03	1.06E-03	1.57E-03	9.26E-04	9.66E-04
69	567231.85	4217036.11	1.03E-02	1.11E-02	8.92E-03	9.82E-03	1.08E-03	1.59E-03	9.39E-04	9.80E-04
70	567224.35	4217045.91	1.03E-02	1.11E-02	8.93E-03	9.83E-03	1.08E-03	1.59E-03	9.40E-04	9.81E-04
71	567210.73	4217056.61	1.06E-02	1.14E-02	9.19E-03	1.01E-02	1.11E-03	1.64E-03	9.67E-04	1.01E-03
72	567198.51	4217058.38	1.16E-02	1.25E-02	1.01E-02	1.11E-02	1.22E-03	1.80E-03	1.06E-03	1.11E-03
73	567186.29	4217060.14	1.27E-02	1.37E-02	1.10E-02	1.22E-02	1.33E-03	1.97E-03	1.16E-03	1.21E-03
74	567174.07	4217061.91	1.39E-02	1.50E-02	1.20E-02	1.33E-02	1.46E-03	2.15E-03	1.27E-03	1.32E-03
75	567161.85	4217063.68	1.49E-02	1.61E-02	1.29E-02	1.42E-02	1.56E-03	2.31E-03	1.36E-03	1.42E-03
76	567259.84	4216995.48	9.19E-03	9.92E-03	7.97E-03	8.78E-03	9.64E-04	1.42E-03	8.39E-04	8.76E-04
77	567263.94	4217009.41	8.47E-03	9.15E-03	7.35E-03	8.09E-03	8.89E-04	1.31E-03	7.74E-04	8.08E-04
78	567256.3	4217019.4	8.84E-03	9.55E-03	7.67E-03	8.45E-03	9.28E-04	1.37E-03	8.08E-04	8.43E-04
79	567248.66	4217029.39	9.10E-03	9.83E-03	7.90E-03	8.70E-03	9.55E-04	1.41E-03	8.32E-04	8.68E-04
80	567241.01	4217039.38	9.24E-03	9.98E-03	8.02E-03	8.83E-03	9.69E-04	1.43E-03	8.44E-04	8.81E-04
81	567233.37	4217049.36	9.24E-03	9.98E-03	8.02E-03	8.83E-03	9.69E-04	1.43E-03	8.44E-04	8.81E-04
82	567225.73	4217059.35	9.08E-03	9.80E-03	7.88E-03	8.67E-03	9.52E-04	1.41E-03	8.29E-04	8.65E-04
83	567215.68	4217065.25	9.26E-03	1.00E-02	8.04E-03	8.85E-03	9.72E-04	1.43E-03	8.46E-04	8.83E-04
84	567203.23	4217067.05	9.96E-03	1.08E-02	8.64E-03	9.52E-03	1.05E-03	1.54E-03	9.10E-04	9.50E-04
85	567190.79	4217068.85	1.06E-02	1.15E-02	9.23E-03	1.02E-02	1.12E-03	1.65E-03	9.72E-04	1.01E-03
86	567178.34	4217070.65	1.12E-02	1.21E-02	9.73E-03	1.07E-02	1.18E-03	1.74E-03	1.02E-03	1.07E-03
87	567165.89	4217072.46	1.15E-02	1.24E-02	9.95E-03	1.10E-02	1.20E-03	1.78E-03	1.05E-03	1.09E-03
88	567153.45	4217074.26	1.10E-02	1.18E-02	9.51E-03	1.05E-02	1.15E-03	1.70E-03	1.00E-03	1.05E-03
89	567269.48	4216998.11	8.19E-03	8.84E-03	7.11E-03	7.82E-03	8.59E-04	1.27E-03	7.48E-04	7.81E-04
90	567273.53	4217012.12	7.62E-03	8.23E-03	6.61E-03	7.28E-03	7.99E-04	1.18E-03	6.96E-04	7.27E-04
91	567265.77	4217022.26	7.98E-03	8.61E-03	6.92E-03	7.62E-03	8.37E-04	1.23E-03	7.29E-04	7.60E-04
92	567258.01	4217032.4	8.23E-03	8.88E-03	7.14E-03	7.86E-03	8.63E-04	1.27E-03	7.52E-04	7.84E-04
93	567250.25	4217042.54	8.36E-03	9.03E-03	7.26E-03	7.99E-03	8.77E-04	1.29E-03	7.64E-04	7.97E-04
94	567242.49	4217052.69	8.37E-03	9.03E-03	7.26E-03	7.99E-03	8.78E-04	1.30E-03	7.64E-04	7.97E-04
95	567234.73	4217062.83	8.22E-03	8.87E-03	7.13E-03	7.85E-03	8.62E-04	1.27E-03	7.51E-04	7.83E-04
96	567220.65	4217073.88	8.13E-03	8.78E-03	7.06E-03	7.77E-03	8.53E-04	1.26E-03	7.43E-04	7.75E-04
97	567208.01	4217075.71	8.59E-03	9.28E-03	7.46E-03	8.21E-03	9.01E-04	1.33E-03	7.85E-04	8.19E-04
98	567195.37	4217077.55	8.97E-03	9.69E-03	7.79E-03	8.57E-03	9.41E-04	1.39E-03	8.20E-04	8.55E-04
99	567182.73	4217079.38	9.20E-03	9.93E-03	7.98E-03	8.79E-03	9.65E-04	1.42E-03	8.40E-04	8.77E-04
100	567170.09	4217081.21	9.13E-03	9.85E-03	7.92E-03	8.72E-03	9.57E-04	1.41E-03	8.34E-04	8.70E-04
101	567157.45	4217083.04	8.54E-03	9.22E-03	7.41E-03	8.16E-03	8.96E-04	1.32E-03	7.80E-04	8.14E-04
102	567279.13	4217000.75	7.33E-03	7.92E-03	6.36E-03	7.01E-03	7.69E-04	1.14E-03	6.70E-04	6.99E-04
103	567283.13	4217014.82	6.89E-03	7.43E-03	5.97E-03	6.58E-03	7.22E-04	1.07E-03	6.29E-04	6.56E-04
104	567275.27	4217025.09	7.23E-03	7.80E-03	6.27E-03	6.90E-03	7.58E-04	1.12E-03	6.60E-04	6.89E-04

105	567267.41	4217035.36	7.47E-03	8.07E-03	6.48E-03	7.14E-03	7.84E-04	1.16E-03	6.83E-04	7.12E-04
106	567259.54	4217045.64	7.61E-03	8.21E-03	6.60E-03	7.27E-03	7.98E-04	1.18E-03	6.95E-04	7.25E-04
107	567251.68	4217055.91	7.62E-03	8.23E-03	6.61E-03	7.28E-03	7.99E-04	1.18E-03	6.96E-04	7.26E-04
108	567243.82	4217066.18	7.49E-03	8.09E-03	6.50E-03	7.16E-03	7.86E-04	1.16E-03	6.85E-04	7.14E-04
109	567235.96	4217076.46	7.21E-03	7.78E-03	6.25E-03	6.88E-03	7.56E-04	1.12E-03	6.58E-04	6.87E-04
110	567225.63	4217082.52	7.16E-03	7.73E-03	6.22E-03	6.84E-03	7.51E-04	1.11E-03	6.54E-04	6.83E-04
111	567212.82	4217084.37	7.45E-03	8.04E-03	6.46E-03	7.12E-03	7.81E-04	1.15E-03	6.80E-04	7.10E-04
112	567200.02	4217086.23	7.63E-03	8.24E-03	6.62E-03	7.29E-03	8.00E-04	1.18E-03	6.97E-04	7.27E-04
113	567187.22	4217088.08	7.67E-03	8.28E-03	6.65E-03	7.32E-03	8.04E-04	1.19E-03	7.00E-04	7.31E-04
114	567174.42	4217089.94	7.44E-03	8.04E-03	6.46E-03	7.11E-03	7.81E-04	1.15E-03	6.80E-04	7.10E-04
115	567161.61	4217091.79	6.88E-03	7.42E-03	5.97E-03	6.57E-03	7.21E-04	1.06E-03	6.28E-04	6.56E-04
116	567148.81	4217093.65	6.02E-03	6.49E-03	5.22E-03	5.75E-03	6.31E-04	9.31E-04	5.49E-04	5.73E-04
117	567288.78	4217003.38	6.60E-03	7.12E-03	5.73E-03	6.30E-03	6.92E-04	1.02E-03	6.03E-04	6.29E-04
118	567292.98	4217017.18	6.23E-03	6.73E-03	5.41E-03	5.95E-03	6.54E-04	9.65E-04	5.69E-04	5.94E-04
119	567285.53	4217026.92	6.55E-03	7.07E-03	5.68E-03	6.25E-03	6.87E-04	1.01E-03	5.98E-04	6.24E-04
120	567278.08	4217036.66	6.79E-03	7.32E-03	5.89E-03	6.48E-03	7.12E-04	1.05E-03	6.20E-04	6.47E-04
121	567270.62	4217046.4	6.93E-03	7.48E-03	6.01E-03	6.62E-03	7.27E-04	1.07E-03	6.33E-04	6.61E-04
122	567263.17	4217056.13	6.98E-03	7.54E-03	6.06E-03	6.67E-03	7.32E-04	1.08E-03	6.38E-04	6.66E-04
123	567255.72	4217065.87	6.92E-03	7.47E-03	6.00E-03	6.61E-03	7.26E-04	1.07E-03	6.32E-04	6.60E-04
124	567248.27	4217075.61	6.74E-03	7.28E-03	5.85E-03	6.44E-03	7.07E-04	1.04E-03	6.16E-04	6.43E-04
125	567240.82	4217085.35	6.43E-03	6.94E-03	5.58E-03	6.14E-03	6.74E-04	9.95E-04	5.87E-04	6.13E-04
126	567231.02	4217091.1	6.33E-03	6.83E-03	5.49E-03	6.04E-03	6.63E-04	9.79E-04	5.78E-04	6.03E-04
127	567218.89	4217092.85	6.48E-03	7.00E-03	5.63E-03	6.19E-03	6.80E-04	1.00E-03	5.92E-04	6.18E-04
128	567206.75	4217094.61	6.55E-03	7.07E-03	5.68E-03	6.26E-03	6.87E-04	1.01E-03	5.98E-04	6.24E-04
129	567194.61	4217096.37	6.51E-03	7.02E-03	5.65E-03	6.22E-03	6.83E-04	1.01E-03	5.94E-04	6.20E-04
130	567182.48	4217098.13	6.29E-03	6.79E-03	5.46E-03	6.01E-03	6.60E-04	9.74E-04	5.75E-04	6.00E-04
131	567170.34	4217099.88	5.87E-03	6.34E-03	5.10E-03	5.61E-03	6.16E-04	9.09E-04	5.37E-04	5.60E-04
132	567298.43	4217006.01	5.96E-03	6.43E-03	5.17E-03	5.69E-03	6.25E-04	9.23E-04	5.44E-04	5.68E-04
133	567302.58	4217019.88	5.67E-03	6.12E-03	4.92E-03	5.42E-03	5.95E-04	8.78E-04	5.18E-04	5.40E-04
134	567295.02	4217029.75	5.98E-03	6.45E-03	5.19E-03	5.71E-03	6.27E-04	9.25E-04	5.46E-04	5.70E-04
135	567287.47	4217039.62	6.21E-03	6.70E-03	5.39E-03	5.93E-03	6.51E-04	9.61E-04	5.67E-04	5.92E-04
136	567279.92	4217049.49	6.36E-03	6.86E-03	5.52E-03	6.07E-03	6.67E-04	9.84E-04	5.81E-04	6.06E-04
137	567272.36	4217059.36	6.41E-03	6.92E-03	5.56E-03	6.12E-03	6.73E-04	9.92E-04	5.86E-04	6.11E-04
138	567264.81	4217069.23	6.36E-03	6.87E-03	5.52E-03	6.08E-03	6.68E-04	9.85E-04	5.81E-04	6.07E-04
139	567257.26	4217079.1	6.21E-03	6.70E-03	5.39E-03	5.93E-03	6.51E-04	9.61E-04	5.67E-04	5.92E-04
140	567249.7	4217088.97	5.94E-03	6.41E-03	5.15E-03	5.67E-03	6.23E-04	9.20E-04	5.43E-04	5.66E-04
141	567236	4217099.73	5.61E-03	6.06E-03	4.87E-03	5.36E-03	5.89E-04	8.69E-04	5.13E-04	5.35E-04
142	567223.7	4217101.51	5.69E-03	6.15E-03	4.94E-03	5.44E-03	5.97E-04	8.81E-04	5.20E-04	5.43E-04
143	567211.4	4217103.3	5.69E-03	6.14E-03	4.93E-03	5.43E-03	5.96E-04	8.80E-04	5.19E-04	5.42E-04
144	567199.1	4217105.08	5.58E-03	6.02E-03	4.84E-03	5.33E-03	5.85E-04	8.63E-04	5.09E-04	5.32E-04
145	567149.9	4217112.2	3.83E-03	4.13E-03	3.32E-03	3.66E-03	4.01E-04	5.92E-04	3.50E-04	3.65E-04
146	567308.07	4217008.64	5.41E-03	5.84E-03	4.69E-03	5.16E-03	5.67E-04	8.37E-04	4.94E-04	5.15E-04
147	567312.18	4217022.57	5.18E-03	5.59E-03	4.49E-03	4.94E-03	5.43E-04	8.01E-04	4.73E-04	4.93E-04
148	567304.54	4217032.56	5.47E-03	5.90E-03	4.75E-03	5.22E-03	5.74E-04	8.47E-04	5.00E-04	5.21E-04
149	567296.89	4217042.55	5.70E-03	6.15E-03	4.94E-03	5.44E-03	5.98E-04	8.82E-04	5.20E-04	5.43E-04
150	567289.25	4217052.53	5.85E-03	6.31E-03	5.07E-03	5.58E-03	6.13E-04	9.05E-04	5.34E-04	5.57E-04
151	567281.61	4217062.52	5.91E-03	6.38E-03	5.13E-03	5.64E-03	6.20E-04	9.14E-04	5.40E-04	5.63E-04
152	567273.96	4217072.51	5.88E-03	6.34E-03	5.10E-03	5.61E-03	6.16E-04	9.10E-04	5.37E-04	5.60E-04
153	567266.32	4217082.5	5.75E-03	6.20E-03	4.99E-03	5.49E-03	6.03E-04	8.89E-04	5.25E-04	5.48E-04
154	567258.68	4217092.49	5.51E-03	5.95E-03	4.78E-03	5.27E-03	5.78E-04	8.53E-04	5.04E-04	5.25E-04
155	567251.03	4217102.47	5.17E-03	5.58E-03	4.49E-03	4.94E-03	5.43E-04	8.01E-04	4.72E-04	4.93E-04
156	567240.99	4217108.37	5.00E-03	5.40E-03	4.34E-03	4.78E-03	5.25E-04	7.74E-04	4.57E-04	4.77E-04
157	567228.54	4217110.17	5.03E-03	5.43E-03	4.36E-03	4.80E-03	5.27E-04	7.78E-04	4.59E-04	4.79E-04
158	567216.09	4217111.97	4.97E-03	5.37E-03	4.31E-03	4.75E-03	5.21E-04	7.69E-04	4.54E-04	4.74E-04

159	567166.31	4217119.18	3.74E-03	4.04E-03	3.24E-03	3.57E-03	3.92E-04	5.79E-04	3.42E-04	3.56E-04
160	567153.86	4217120.99	3.26E-03	3.52E-03	2.83E-03	3.11E-03	3.42E-04	5.04E-04	2.98E-04	3.10E-04
161	567141.41	4217122.79	2.80E-03	3.02E-03	2.43E-03	2.67E-03	2.94E-04	4.33E-04	2.56E-04	2.67E-04
162	567317.72	4217011.27	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.62E-04	4.50E-04	4.69E-04
163	567321.79	4217025.26	4.74E-03	5.12E-03	4.11E-03	4.53E-03	4.97E-04	7.34E-04	4.33E-04	4.52E-04
164	567314.06	4217035.35	5.02E-03	5.42E-03	4.36E-03	4.79E-03	5.27E-04	7.77E-04	4.59E-04	4.78E-04
165	567306.34	4217045.44	5.24E-03	5.66E-03	4.55E-03	5.00E-03	5.49E-04	8.11E-04	4.79E-04	4.99E-04
166	567298.62	4217055.53	5.39E-03	5.82E-03	4.68E-03	5.15E-03	5.65E-04	8.34E-04	4.92E-04	5.14E-04
167	567290.89	4217065.63	5.46E-03	5.89E-03	4.74E-03	5.21E-03	5.73E-04	8.45E-04	4.99E-04	5.20E-04
168	567283.17	4217075.72	5.44E-03	5.88E-03	4.72E-03	5.20E-03	5.71E-04	8.42E-04	4.97E-04	5.19E-04
169	567275.44	4217085.81	5.34E-03	5.76E-03	4.63E-03	5.10E-03	5.60E-04	8.26E-04	4.87E-04	5.09E-04
170	567267.72	4217095.91	5.13E-03	5.54E-03	4.46E-03	4.90E-03	5.39E-04	7.95E-04	4.69E-04	4.89E-04
171	567260	4217106	4.84E-03	5.22E-03	4.20E-03	4.62E-03	5.07E-04	7.49E-04	4.42E-04	4.61E-04
172	567245.98	4217117	4.47E-03	4.83E-03	3.88E-03	4.27E-03	4.69E-04	6.92E-04	4.09E-04	4.26E-04
173	567233.41	4217118.82	4.46E-03	4.81E-03	3.87E-03	4.26E-03	4.67E-04	6.90E-04	4.07E-04	4.25E-04
174	567195.67	4217124.29	3.94E-03	4.25E-03	3.42E-03	3.76E-03	4.13E-04	6.10E-04	3.60E-04	3.76E-04
175	567170.52	4217127.93	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.37E-04	4.98E-04	2.94E-04	3.07E-04
176	567157.94	4217129.75	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
177	567145.36	4217131.58	2.42E-03	2.62E-03	2.10E-03	2.31E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
178	567327.37	4217013.9	4.50E-03	4.85E-03	3.90E-03	4.30E-03	4.72E-04	6.96E-04	4.11E-04	4.29E-04
179	567331.4	4217027.93	4.35E-03	4.70E-03	3.78E-03	4.16E-03	4.57E-04	6.74E-04	3.98E-04	4.15E-04
180	567323.6	4217038.12	4.62E-03	4.99E-03	4.01E-03	4.41E-03	4.84E-04	7.15E-04	4.22E-04	4.40E-04
181	567315.81	4217048.31	4.83E-03	5.21E-03	4.19E-03	4.61E-03	5.07E-04	7.48E-04	4.41E-04	4.60E-04
182	567308.01	4217058.5	4.98E-03	5.37E-03	4.32E-03	4.76E-03	5.22E-04	7.71E-04	4.55E-04	4.75E-04
183	567300.21	4217068.68	5.06E-03	5.46E-03	4.39E-03	4.83E-03	5.30E-04	7.83E-04	4.62E-04	4.82E-04
184	567292.42	4217078.87	5.06E-03	5.46E-03	4.39E-03	4.83E-03	5.30E-04	7.82E-04	4.62E-04	4.82E-04
185	567284.62	4217089.06	4.97E-03	5.36E-03	4.31E-03	4.75E-03	5.21E-04	7.69E-04	4.54E-04	4.74E-04
186	567276.83	4217099.25	4.80E-03	5.18E-03	4.16E-03	4.58E-03	5.03E-04	7.43E-04	4.38E-04	4.57E-04
187	567212.9	4217131.15	3.68E-03	3.97E-03	3.19E-03	3.52E-03	3.86E-04	5.70E-04	3.36E-04	3.51E-04
188	567200.2	4217132.99	3.44E-03	3.71E-03	2.98E-03	3.28E-03	3.61E-04	5.32E-04	3.14E-04	3.28E-04
189	567174.81	4217136.67	2.80E-03	3.02E-03	2.43E-03	2.67E-03	2.93E-04	4.33E-04	2.55E-04	2.67E-04
190	567162.12	4217138.51	2.45E-03	2.64E-03	2.12E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.33E-04
191	567149.42	4217140.35	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.28E-04	1.94E-04	2.02E-04
192	567136.72	4217142.18	1.84E-03	1.98E-03	1.59E-03	1.76E-03	1.93E-04	2.84E-04	1.68E-04	1.75E-04
193	567337.02	4217016.54	4.12E-03	4.45E-03	3.58E-03	3.94E-03	4.32E-04	6.38E-04	3.77E-04	3.93E-04
194	567341.01	4217030.61	4.01E-03	4.32E-03	3.48E-03	3.83E-03	4.20E-04	6.20E-04	3.66E-04	3.82E-04
195	567333.15	4217040.88	4.26E-03	4.60E-03	3.69E-03	4.07E-03	4.47E-04	6.59E-04	3.89E-04	4.06E-04
196	567325.29	4217051.16	4.46E-03	4.82E-03	3.87E-03	4.26E-03	4.68E-04	6.91E-04	4.08E-04	4.25E-04
197	567317.43	4217061.43	4.61E-03	4.98E-03	4.00E-03	4.40E-03	4.84E-04	7.14E-04	4.21E-04	4.40E-04
198	567309.57	4217071.7	4.70E-03	5.07E-03	4.07E-03	4.48E-03	4.92E-04	7.27E-04	4.29E-04	4.48E-04
199	567301.7	4217081.97	4.71E-03	5.08E-03	4.08E-03	4.50E-03	4.94E-04	7.28E-04	4.30E-04	4.49E-04
200	567293.84	4217092.25	4.64E-03	5.01E-03	4.03E-03	4.43E-03	4.87E-04	7.18E-04	4.24E-04	4.42E-04
201	567285.98	4217102.52	4.50E-03	4.85E-03	3.90E-03	4.29E-03	4.72E-04	6.96E-04	4.11E-04	4.28E-04
202	567278.12	4217112.79	4.27E-03	4.61E-03	3.71E-03	4.08E-03	4.48E-04	6.61E-04	3.90E-04	4.07E-04
203	567243.19	4217136.12	3.55E-03	3.83E-03	3.08E-03	3.39E-03	3.72E-04	5.49E-04	3.24E-04	3.38E-04
204	567230.39	4217137.98	3.43E-03	3.70E-03	2.97E-03	3.27E-03	3.59E-04	5.31E-04	3.13E-04	3.27E-04
205	567217.59	4217139.83	3.25E-03	3.51E-03	2.82E-03	3.11E-03	3.41E-04	5.03E-04	2.97E-04	3.10E-04
206	567204.78	4217141.68	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
207	567166.38	4217147.25	2.15E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.34E-04	1.97E-04	2.05E-04
208	567153.57	4217149.1	1.87E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
209	567140.77	4217150.96	1.63E-03	1.76E-03	1.42E-03	1.56E-03	1.71E-04	2.53E-04	1.49E-04	1.56E-04
210	567346.66	4217019.17	3.79E-03	4.09E-03	3.29E-03	3.62E-03	3.98E-04	5.87E-04	3.46E-04	3.61E-04
211	567350.63	4217033.28	3.70E-03	3.99E-03	3.21E-03	3.53E-03	3.88E-04	5.72E-04	3.38E-04	3.52E-04
212	567342.71	4217043.63	3.93E-03	4.25E-03	3.41E-03	3.76E-03	4.13E-04	6.09E-04	3.59E-04	3.75E-04

213	567334.79	4217053.98	4.13E-03	4.46E-03	3.58E-03	3.95E-03	4.33E-04	6.39E-04	3.77E-04	3.94E-04
214	567326.87	4217064.33	4.28E-03	4.62E-03	3.71E-03	4.09E-03	4.49E-04	6.62E-04	3.91E-04	4.08E-04
215	567318.95	4217074.68	4.37E-03	4.72E-03	3.79E-03	4.17E-03	4.58E-04	6.76E-04	3.99E-04	4.16E-04
216	567311.02	4217085.03	4.39E-03	4.74E-03	3.81E-03	4.19E-03	4.61E-04	6.80E-04	4.01E-04	4.19E-04
217	567303.1	4217095.39	4.34E-03	4.69E-03	3.77E-03	4.15E-03	4.55E-04	6.72E-04	3.97E-04	4.14E-04
218	567295.18	4217105.74	4.22E-03	4.56E-03	3.66E-03	4.03E-03	4.43E-04	6.53E-04	3.85E-04	4.02E-04
219	567287.26	4217116.09	4.03E-03	4.35E-03	3.49E-03	3.85E-03	4.22E-04	6.23E-04	3.68E-04	3.84E-04
220	567279.34	4217126.44	3.77E-03	4.07E-03	3.27E-03	3.60E-03	3.95E-04	5.83E-04	3.44E-04	3.59E-04
221	567248.11	4217144.77	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
222	567235.21	4217146.64	3.06E-03	3.30E-03	2.66E-03	2.92E-03	3.21E-04	4.74E-04	2.80E-04	2.92E-04
223	567222.31	4217148.5	2.89E-03	3.12E-03	2.51E-03	2.76E-03	3.03E-04	4.47E-04	2.64E-04	2.75E-04
224	567209.41	4217150.37	2.68E-03	2.89E-03	2.32E-03	2.56E-03	2.81E-04	4.14E-04	2.45E-04	2.55E-04
225	567196.51	4217152.24	2.43E-03	2.63E-03	2.11E-03	2.32E-03	2.55E-04	3.77E-04	2.22E-04	2.32E-04
226	567170.71	4217155.98	1.91E-03	2.06E-03	1.66E-03	1.83E-03	2.00E-04	2.96E-04	1.75E-04	1.82E-04
227	567157.81	4217157.84	1.67E-03	1.80E-03	1.45E-03	1.60E-03	1.75E-04	2.59E-04	1.53E-04	1.59E-04
228	567144.91	4217159.71	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
229	567132.01	4217161.58	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
230	567356.31	4217021.8	3.49E-03	3.77E-03	3.03E-03	3.34E-03	3.66E-04	5.41E-04	3.19E-04	3.33E-04
231	567360.42	4217035.73	3.41E-03	3.68E-03	2.96E-03	3.26E-03	3.58E-04	5.28E-04	3.12E-04	3.25E-04
232	567352.77	4217045.72	3.63E-03	3.92E-03	3.15E-03	3.47E-03	3.81E-04	5.62E-04	3.31E-04	3.46E-04
233	567345.13	4217055.71	3.81E-03	4.12E-03	3.31E-03	3.64E-03	4.00E-04	5.90E-04	3.48E-04	3.63E-04
234	567337.49	4217065.69	3.96E-03	4.28E-03	3.44E-03	3.78E-03	4.15E-04	6.13E-04	3.62E-04	3.78E-04
235	567329.84	4217075.68	4.06E-03	4.38E-03	3.52E-03	3.88E-03	4.26E-04	6.28E-04	3.71E-04	3.87E-04
236	567322.2	4217085.67	4.10E-03	4.43E-03	3.56E-03	3.92E-03	4.30E-04	6.35E-04	3.75E-04	3.91E-04
237	567314.56	4217095.66	4.09E-03	4.41E-03	3.54E-03	3.90E-03	4.29E-04	6.32E-04	3.73E-04	3.89E-04
238	567306.91	4217105.64	4.01E-03	4.33E-03	3.48E-03	3.83E-03	4.20E-04	6.20E-04	3.66E-04	3.82E-04
239	567299.27	4217115.63	3.87E-03	4.18E-03	3.36E-03	3.70E-03	4.06E-04	5.99E-04	3.53E-04	3.69E-04
240	567291.63	4217125.62	3.67E-03	3.96E-03	3.19E-03	3.51E-03	3.85E-04	5.68E-04	3.35E-04	3.50E-04
241	567276.34	4217145.6	3.14E-03	3.39E-03	2.72E-03	3.00E-03	3.29E-04	4.86E-04	2.87E-04	2.99E-04
242	567266.3	4217151.49	2.96E-03	3.19E-03	2.57E-03	2.83E-03	3.10E-04	4.58E-04	2.70E-04	2.82E-04
243	567253.85	4217153.29	2.88E-03	3.11E-03	2.50E-03	2.75E-03	3.02E-04	4.45E-04	2.63E-04	2.74E-04
244	567241.4	4217155.1	2.76E-03	2.98E-03	2.40E-03	2.64E-03	2.90E-04	4.27E-04	2.52E-04	2.63E-04
245	567228.96	4217156.9	2.61E-03	2.82E-03	2.26E-03	2.49E-03	2.74E-04	4.04E-04	2.38E-04	2.49E-04
246	567216.51	4217158.7	2.43E-03	2.62E-03	2.10E-03	2.32E-03	2.54E-04	3.75E-04	2.22E-04	2.31E-04
247	567204.06	4217160.5	2.22E-03	2.39E-03	1.92E-03	2.12E-03	2.33E-04	3.43E-04	2.03E-04	2.11E-04
248	567166.72	4217165.91	1.57E-03	1.69E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.43E-04	1.50E-04
249	567154.27	4217167.71	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
250	567141.83	4217169.52	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
251	567129.38	4217171.32	1.10E-03	1.19E-03	9.55E-04	1.05E-03	1.15E-04	1.70E-04	1.01E-04	1.05E-04
252	567365.96	4217024.43	3.23E-03	3.48E-03	2.80E-03	3.08E-03	3.39E-04	5.00E-04	2.95E-04	3.08E-04
253	567370.03	4217038.4	3.16E-03	3.42E-03	2.75E-03	3.02E-03	3.32E-04	4.90E-04	2.89E-04	3.02E-04
254	567362.33	4217048.47	3.37E-03	3.64E-03	2.92E-03	3.22E-03	3.53E-04	5.21E-04	3.08E-04	3.21E-04
255	567354.63	4217058.54	3.55E-03	3.83E-03	3.08E-03	3.39E-03	3.72E-04	5.49E-04	3.24E-04	3.38E-04
256	567346.92	4217068.61	3.69E-03	3.98E-03	3.20E-03	3.52E-03	3.87E-04	5.71E-04	3.37E-04	3.52E-04
257	567339.22	4217078.67	3.79E-03	4.09E-03	3.29E-03	3.62E-03	3.97E-04	5.87E-04	3.46E-04	3.61E-04
258	567331.51	4217088.74	3.84E-03	4.14E-03	3.33E-03	3.67E-03	4.03E-04	5.94E-04	3.51E-04	3.66E-04
259	567323.81	4217098.81	3.83E-03	4.14E-03	3.33E-03	3.66E-03	4.02E-04	5.93E-04	3.50E-04	3.65E-04
260	567316.1	4217108.88	3.77E-03	4.07E-03	3.27E-03	3.60E-03	3.96E-04	5.84E-04	3.44E-04	3.59E-04
261	567308.4	4217118.94	3.65E-03	3.94E-03	3.17E-03	3.49E-03	3.83E-04	5.65E-04	3.34E-04	3.48E-04
262	567300.69	4217129.01	3.48E-03	3.76E-03	3.02E-03	3.32E-03	3.65E-04	5.39E-04	3.18E-04	3.32E-04
263	567285.29	4217149.15	3.00E-03	3.24E-03	2.60E-03	2.87E-03	3.15E-04	4.65E-04	2.74E-04	2.86E-04
264	567271.31	4217160.12	2.69E-03	2.90E-03	2.33E-03	2.57E-03	2.82E-04	4.16E-04	2.46E-04	2.56E-04
265	567246.21	4217163.76	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.85E-04	2.27E-04	2.37E-04
266	567233.67	4217165.57	2.34E-03	2.53E-03	2.03E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.23E-04

267	567221.12	4217167.39	2.17E-03	2.35E-03	1.89E-03	2.08E-03	2.28E-04	3.36E-04	1.99E-04	2.07E-04
268	567208.58	4217169.21	1.99E-03	2.14E-03	1.72E-03	1.90E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
269	567196.03	4217171.03	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.63E-04	1.70E-04
270	567170.94	4217174.66	1.41E-03	1.52E-03	1.23E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
271	567158.39	4217176.48	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
272	567145.84	4217178.29	1.11E-03	1.20E-03	9.66E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
273	567133.3	4217180.11	1.00E-03	1.08E-03	8.69E-04	9.57E-04	1.05E-04	1.55E-04	9.15E-05	9.55E-05
274	567375.61	4217027.06	2.99E-03	3.23E-03	2.59E-03	2.86E-03	3.14E-04	4.63E-04	2.73E-04	2.85E-04
275	567379.65	4217041.07	2.93E-03	3.17E-03	2.55E-03	2.80E-03	3.08E-04	4.54E-04	2.68E-04	2.80E-04
276	567371.89	4217051.21	3.13E-03	3.38E-03	2.72E-03	2.99E-03	3.28E-04	4.85E-04	2.86E-04	2.98E-04
277	567364.13	4217061.35	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.02E-04	3.15E-04
278	567356.37	4217071.5	3.44E-03	3.72E-03	2.99E-03	3.29E-03	3.61E-04	5.33E-04	3.14E-04	3.28E-04
279	567348.61	4217081.64	3.54E-03	3.82E-03	3.07E-03	3.38E-03	3.72E-04	5.48E-04	3.24E-04	3.38E-04
280	567340.85	4217091.78	3.60E-03	3.88E-03	3.12E-03	3.44E-03	3.77E-04	5.57E-04	3.29E-04	3.43E-04
281	567333.09	4217101.92	3.60E-03	3.89E-03	3.12E-03	3.44E-03	3.78E-04	5.57E-04	3.29E-04	3.43E-04
282	567325.33	4217112.06	3.55E-03	3.84E-03	3.08E-03	3.39E-03	3.73E-04	5.50E-04	3.25E-04	3.39E-04
283	567317.57	4217122.2	3.45E-03	3.73E-03	3.00E-03	3.30E-03	3.62E-04	5.34E-04	3.15E-04	3.29E-04
284	567309.81	4217132.34	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.02E-04	3.15E-04
285	567294.28	4217152.63	2.87E-03	3.10E-03	2.49E-03	2.75E-03	3.01E-04	4.45E-04	2.63E-04	2.74E-04
286	567286.52	4217162.77	2.62E-03	2.83E-03	2.27E-03	2.50E-03	2.75E-04	4.06E-04	2.39E-04	2.50E-04
287	567276.32	4217168.75	2.45E-03	2.65E-03	2.13E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.34E-04
288	567251.05	4217172.41	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.49E-04	2.06E-04	2.15E-04
289	567238.41	4217174.24	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.02E-04
290	567225.77	4217176.08	1.96E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.87E-04
291	567213.13	4217177.91	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.87E-04	2.77E-04	1.63E-04	1.70E-04
292	567200.49	4217179.74	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
293	567175.22	4217183.4	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
294	567162.58	4217185.23	1.14E-03	1.23E-03	9.85E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
295	567149.94	4217187.06	1.01E-03	1.10E-03	8.80E-04	9.69E-04	1.06E-04	1.57E-04	9.27E-05	9.67E-05
296	567137.3	4217188.89	9.16E-04	9.89E-04	7.95E-04	8.75E-04	9.61E-05	1.42E-04	8.37E-05	8.73E-05
297	567124.66	4217190.72	8.39E-04	9.06E-04	7.28E-04	8.01E-04	8.80E-05	1.30E-04	7.66E-05	8.00E-05
298	567385.25	4217029.7	2.77E-03	2.99E-03	2.40E-03	2.65E-03	2.91E-04	4.29E-04	2.53E-04	2.64E-04
299	567389.28	4217043.74	2.73E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.60E-04
300	567381.46	4217053.95	2.91E-03	3.14E-03	2.53E-03	2.78E-03	3.05E-04	4.51E-04	2.66E-04	2.78E-04
301	567373.65	4217064.16	3.08E-03	3.33E-03	2.67E-03	2.94E-03	3.23E-04	4.77E-04	2.81E-04	2.94E-04
302	567365.84	4217074.37	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.37E-04	4.98E-04	2.94E-04	3.07E-04
303	567358.02	4217084.58	3.32E-03	3.58E-03	2.88E-03	3.17E-03	3.48E-04	5.14E-04	3.03E-04	3.16E-04
304	567350.21	4217094.79	3.38E-03	3.64E-03	2.93E-03	3.23E-03	3.54E-04	5.23E-04	3.08E-04	3.22E-04
305	567342.4	4217104.99	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.55E-04	5.25E-04	3.10E-04	3.23E-04
306	567334.58	4217115.2	3.35E-03	3.62E-03	2.91E-03	3.20E-03	3.52E-04	5.19E-04	3.06E-04	3.20E-04
307	567326.77	4217125.41	3.27E-03	3.53E-03	2.84E-03	3.12E-03	3.43E-04	5.06E-04	2.99E-04	3.12E-04
308	567318.96	4217135.62	3.14E-03	3.39E-03	2.72E-03	3.00E-03	3.29E-04	4.86E-04	2.87E-04	2.99E-04
309	567303.33	4217156.04	2.76E-03	2.98E-03	2.39E-03	2.63E-03	2.89E-04	4.27E-04	2.52E-04	2.63E-04
310	567295.52	4217166.25	2.52E-03	2.72E-03	2.19E-03	2.41E-03	2.65E-04	3.91E-04	2.31E-04	2.41E-04
311	567281.34	4217177.38	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
312	567268.62	4217179.23	2.15E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.33E-04	1.97E-04	2.05E-04
313	567243.17	4217182.91	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
314	567230.45	4217184.76	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
315	567217.72	4217186.6	1.62E-03	1.74E-03	1.40E-03	1.54E-03	1.70E-04	2.50E-04	1.48E-04	1.54E-04
316	567205	4217188.44	1.46E-03	1.57E-03	1.27E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
317	567192.28	4217190.28	1.31E-03	1.41E-03	1.13E-03	1.25E-03	1.37E-04	2.02E-04	1.19E-04	1.24E-04
318	567166.83	4217193.97	1.04E-03	1.12E-03	8.99E-04	9.90E-04	1.09E-04	1.60E-04	9.47E-05	9.88E-05
319	567154.11	4217195.81	9.29E-04	1.00E-03	8.06E-04	8.88E-04	9.75E-05	1.44E-04	8.49E-05	8.86E-05
320	567141.38	4217197.65	8.42E-04	9.08E-04	7.30E-04	8.04E-04	8.83E-05	1.30E-04	7.69E-05	8.02E-05

321	567128.66	4217199.5	7.73E-04	8.34E-04	6.71E-04	7.38E-04	8.11E-05	1.20E-04	7.06E-05	7.37E-05
322	567394.9	4217032.33	2.58E-03	2.78E-03	2.24E-03	2.46E-03	2.70E-04	3.99E-04	2.36E-04	2.46E-04
323	567398.9	4217046.4	2.55E-03	2.75E-03	2.21E-03	2.43E-03	2.67E-04	3.94E-04	2.33E-04	2.43E-04
324	567391.04	4217056.67	2.72E-03	2.93E-03	2.36E-03	2.60E-03	2.85E-04	4.21E-04	2.48E-04	2.59E-04
325	567383.17	4217066.95	2.88E-03	3.11E-03	2.50E-03	2.75E-03	3.02E-04	4.46E-04	2.63E-04	2.75E-04
326	567375.31	4217077.22	3.01E-03	3.25E-03	2.61E-03	2.88E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
327	567367.45	4217087.49	3.11E-03	3.36E-03	2.70E-03	2.97E-03	3.26E-04	4.82E-04	2.84E-04	2.97E-04
328	567359.59	4217097.77	3.17E-03	3.43E-03	2.75E-03	3.03E-03	3.33E-04	4.91E-04	2.90E-04	3.02E-04
329	567351.73	4217108.04	3.19E-03	3.45E-03	2.77E-03	3.05E-03	3.35E-04	4.94E-04	2.92E-04	3.04E-04
330	567343.87	4217118.31	3.17E-03	3.42E-03	2.75E-03	3.03E-03	3.32E-04	4.90E-04	2.89E-04	3.02E-04
331	567336	4217128.59	3.10E-03	3.34E-03	2.69E-03	2.96E-03	3.25E-04	4.79E-04	2.83E-04	2.95E-04
332	567328.14	4217138.86	2.98E-03	3.22E-03	2.59E-03	2.85E-03	3.13E-04	4.62E-04	2.73E-04	2.84E-04
333	567312.42	4217159.4	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.77E-04	4.09E-04	2.42E-04	2.52E-04
334	567304.56	4217169.68	2.43E-03	2.63E-03	2.11E-03	2.33E-03	2.55E-04	3.77E-04	2.22E-04	2.32E-04
335	567296.7	4217179.95	2.21E-03	2.38E-03	1.91E-03	2.11E-03	2.31E-04	3.41E-04	2.02E-04	2.10E-04
336	567286.36	4217186.01	2.05E-03	2.22E-03	1.78E-03	1.96E-03	2.15E-04	3.18E-04	1.88E-04	1.96E-04
337	567273.56	4217187.87	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.05E-04	1.80E-04	1.88E-04
338	567247.96	4217191.58	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
339	567235.15	4217193.43	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
340	567222.35	4217195.29	1.47E-03	1.59E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
341	567209.55	4217197.14	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
342	567196.75	4217198.99	1.19E-03	1.28E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.13E-04
343	567171.14	4217202.7	9.51E-04	1.03E-03	8.25E-04	9.08E-04	9.97E-05	1.47E-04	8.68E-05	9.06E-05
344	567158.34	4217204.56	8.55E-04	9.23E-04	7.42E-04	8.16E-04	8.97E-05	1.32E-04	7.81E-05	8.15E-05
345	567145.54	4217206.41	7.76E-04	8.38E-04	6.74E-04	7.42E-04	8.14E-05	1.20E-04	7.09E-05	7.40E-05
346	567132.73	4217208.26	7.15E-04	7.71E-04	6.20E-04	6.83E-04	7.50E-05	1.11E-04	6.53E-05	6.81E-05
347	567119.93	4217210.12	6.68E-04	7.21E-04	5.79E-04	6.38E-04	7.00E-05	1.03E-04	6.10E-05	6.36E-05
348	567404.55	4217034.96	2.40E-03	2.60E-03	2.09E-03	2.30E-03	2.52E-04	3.72E-04	2.20E-04	2.29E-04
349	567408.52	4217049.06	2.38E-03	2.57E-03	2.07E-03	2.27E-03	2.50E-04	3.69E-04	2.18E-04	2.27E-04
350	567400.62	4217059.39	2.54E-03	2.74E-03	2.20E-03	2.43E-03	2.67E-04	3.93E-04	2.32E-04	2.42E-04
351	567392.71	4217069.73	2.69E-03	2.90E-03	2.33E-03	2.57E-03	2.82E-04	4.16E-04	2.46E-04	2.56E-04
352	567384.8	4217080.06	2.82E-03	3.05E-03	2.45E-03	2.70E-03	2.96E-04	4.37E-04	2.58E-04	2.69E-04
353	567376.9	4217090.39	2.92E-03	3.15E-03	2.53E-03	2.79E-03	3.06E-04	4.52E-04	2.67E-04	2.78E-04
354	567368.99	4217100.72	2.99E-03	3.22E-03	2.59E-03	2.85E-03	3.13E-04	4.62E-04	2.73E-04	2.85E-04
355	567361.08	4217111.05	3.01E-03	3.25E-03	2.61E-03	2.88E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
356	567353.17	4217121.39	3.00E-03	3.23E-03	2.60E-03	2.86E-03	3.14E-04	4.64E-04	2.74E-04	2.86E-04
357	567345.27	4217131.72	2.94E-03	3.17E-03	2.55E-03	2.81E-03	3.08E-04	4.55E-04	2.68E-04	2.80E-04
358	567337.36	4217142.05	2.84E-03	3.07E-03	2.46E-03	2.71E-03	2.98E-04	4.40E-04	2.59E-04	2.71E-04
359	567321.55	4217162.72	2.54E-03	2.74E-03	2.20E-03	2.43E-03	2.66E-04	3.93E-04	2.32E-04	2.42E-04
360	567313.64	4217173.05	2.35E-03	2.54E-03	2.04E-03	2.24E-03	2.46E-04	3.64E-04	2.15E-04	2.24E-04
361	567305.73	4217183.38	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
362	567291.39	4217194.64	1.89E-03	2.04E-03	1.64E-03	1.80E-03	1.98E-04	2.92E-04	1.72E-04	1.80E-04
363	567278.51	4217196.51	1.80E-03	1.95E-03	1.57E-03	1.72E-03	1.89E-04	2.79E-04	1.65E-04	1.72E-04
364	567252.76	4217200.24	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
365	567239.88	4217202.1	1.47E-03	1.59E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
366	567227.01	4217203.97	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.07E-04	1.22E-04	1.28E-04
367	567214.13	4217205.83	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
368	567201.26	4217207.7	1.09E-03	1.18E-03	9.45E-04	1.04E-03	1.14E-04	1.69E-04	9.95E-05	1.04E-04
369	567175.5	4217211.43	8.75E-04	9.45E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	7.99E-05	8.34E-05
370	567162.63	4217213.29	7.89E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.52E-05
371	567149.75	4217215.16	7.19E-04	7.76E-04	6.24E-04	6.87E-04	7.54E-05	1.11E-04	6.57E-05	6.85E-05
372	567136.88	4217217.02	6.63E-04	7.16E-04	5.75E-04	6.34E-04	6.96E-05	1.03E-04	6.06E-05	6.32E-05
373	567124	4217218.89	6.20E-04	6.70E-04	5.38E-04	5.93E-04	6.51E-05	9.60E-05	5.67E-05	5.91E-05
374	567410.59	4217061.61	2.37E-03	2.56E-03	2.06E-03	2.27E-03	2.49E-04	3.67E-04	2.17E-04	2.26E-04

375	567402.89	4217071.66	2.51E-03	2.71E-03	2.18E-03	2.40E-03	2.63E-04	3.88E-04	2.29E-04	2.39E-04
376	567395.2	4217081.71	2.63E-03	2.84E-03	2.28E-03	2.51E-03	2.76E-04	4.07E-04	2.40E-04	2.51E-04
377	567387.51	4217091.76	2.73E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.61E-04
378	567379.81	4217101.81	2.80E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
379	567372.12	4217111.87	2.84E-03	3.07E-03	2.46E-03	2.71E-03	2.98E-04	4.40E-04	2.59E-04	2.71E-04
380	567364.43	4217121.92	2.84E-03	3.07E-03	2.47E-03	2.71E-03	2.98E-04	4.40E-04	2.60E-04	2.71E-04
381	567356.74	4217131.97	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.94E-04	4.35E-04	2.56E-04	2.68E-04
382	567349.04	4217142.02	2.74E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.24E-04	2.50E-04	2.61E-04
383	567325.97	4217172.18	2.34E-03	2.52E-03	2.03E-03	2.23E-03	2.45E-04	3.62E-04	2.14E-04	2.23E-04
384	567318.27	4217182.23	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.27E-04	3.34E-04	1.97E-04	2.06E-04
385	567310.58	4217192.28	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
386	567296.62	4217203.24	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.82E-04	2.69E-04	1.59E-04	1.66E-04
387	567284.1	4217205.06	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
388	567271.57	4217206.87	1.57E-03	1.70E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.44E-04	1.50E-04
389	567246.52	4217210.5	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
390	567233.99	4217212.31	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
391	567221.46	4217214.13	1.14E-03	1.23E-03	9.86E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
392	567208.93	4217215.94	1.03E-03	1.11E-03	8.91E-04	9.81E-04	1.08E-04	1.59E-04	9.38E-05	9.79E-05
393	567196.41	4217217.76	9.26E-04	9.99E-04	8.03E-04	8.84E-04	9.71E-05	1.43E-04	8.46E-05	8.82E-05
394	567171.35	4217221.39	7.56E-04	8.16E-04	6.56E-04	7.22E-04	7.93E-05	1.17E-04	6.91E-05	7.21E-05
395	567158.83	4217223.2	6.90E-04	7.45E-04	5.99E-04	6.59E-04	7.24E-05	1.07E-04	6.30E-05	6.58E-05
396	567146.3	4217225.02	6.37E-04	6.87E-04	5.52E-04	6.08E-04	6.68E-05	9.85E-05	5.81E-05	6.07E-05
397	567133.77	4217226.83	5.94E-04	6.41E-04	5.16E-04	5.68E-04	6.23E-05	9.20E-05	5.43E-05	5.66E-05
398	567121.24	4217228.64	5.62E-04	6.06E-04	4.87E-04	5.36E-04	5.89E-05	8.69E-05	5.13E-05	5.35E-05
399	567404.69	4217084.55	2.47E-03	2.66E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.25E-04	2.35E-04
400	567396.95	4217094.67	2.57E-03	2.78E-03	2.23E-03	2.46E-03	2.70E-04	3.98E-04	2.35E-04	2.45E-04
401	567389.21	4217104.78	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.09E-04	2.41E-04	2.52E-04
402	567381.47	4217114.89	2.68E-03	2.90E-03	2.33E-03	2.56E-03	2.82E-04	4.15E-04	2.45E-04	2.56E-04
403	567373.73	4217125	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.82E-04	4.17E-04	2.46E-04	2.57E-04
404	567365.99	4217135.12	2.67E-03	2.88E-03	2.31E-03	2.55E-03	2.80E-04	4.13E-04	2.44E-04	2.54E-04
405	567358.25	4217145.23	2.61E-03	2.81E-03	2.26E-03	2.49E-03	2.73E-04	4.03E-04	2.38E-04	2.48E-04
406	567327.3	4217185.68	2.09E-03	2.26E-03	1.81E-03	2.00E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
407	567319.56	4217195.79	1.91E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.96E-04	1.75E-04	1.82E-04
408	567311.82	4217205.9	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.82E-04	2.68E-04	1.58E-04	1.65E-04
409	567301.65	4217211.87	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.49E-04	1.47E-04	1.53E-04
410	567289.05	4217213.7	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
411	567276.44	4217215.52	1.45E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
412	567251.24	4217219.17	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
413	567238.64	4217221	1.15E-03	1.24E-03	9.96E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
414	567226.03	4217222.82	1.04E-03	1.13E-03	9.07E-04	9.98E-04	1.10E-04	1.62E-04	9.54E-05	9.96E-05
415	567213.43	4217224.65	9.46E-04	1.02E-03	8.21E-04	9.04E-04	9.92E-05	1.46E-04	8.64E-05	9.02E-05
416	567200.83	4217226.47	8.55E-04	9.23E-04	7.42E-04	8.17E-04	8.97E-05	1.32E-04	7.81E-05	8.15E-05
417	567175.62	4217230.13	7.01E-04	7.57E-04	6.09E-04	6.70E-04	7.36E-05	1.09E-04	6.41E-05	6.69E-05
418	567163.02	4217231.95	6.42E-04	6.93E-04	5.57E-04	6.13E-04	6.73E-05	9.94E-05	5.86E-05	6.12E-05
419	567150.42	4217233.78	5.93E-04	6.41E-04	5.15E-04	5.67E-04	6.22E-05	9.19E-05	5.42E-05	5.66E-05
420	567137.82	4217235.6	5.55E-04	5.99E-04	4.82E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
421	567125.21	4217237.43	5.25E-04	5.67E-04	4.56E-04	5.02E-04	5.51E-05	8.13E-05	4.80E-05	5.00E-05
422	567437.53	4217056.88	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
423	567406.4	4217097.55	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.53E-04	3.74E-04	2.21E-04	2.30E-04
424	567398.62	4217107.72	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.86E-04	2.28E-04	2.38E-04
425	567390.83	4217117.89	2.54E-03	2.74E-03	2.20E-03	2.42E-03	2.66E-04	3.93E-04	2.32E-04	2.42E-04
426	567383.05	4217128.06	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
427	567375.27	4217138.23	2.53E-03	2.74E-03	2.20E-03	2.42E-03	2.66E-04	3.92E-04	2.31E-04	2.42E-04
428	567367.49	4217148.4	2.48E-03	2.68E-03	2.16E-03	2.37E-03	2.61E-04	3.84E-04	2.27E-04	2.37E-04

429	567351.92	4217168.74	2.30E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.10E-04	2.19E-04
430	567328.58	4217199.25	1.86E-03	2.01E-03	1.61E-03	1.78E-03	1.95E-04	2.88E-04	1.70E-04	1.77E-04
431	567320.79	4217209.42	1.69E-03	1.82E-03	1.47E-03	1.61E-03	1.77E-04	2.62E-04	1.54E-04	1.61E-04
432	567306.67	4217220.5	1.49E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
433	567294	4217222.34	1.41E-03	1.53E-03	1.23E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
434	567281.33	4217224.17	1.33E-03	1.44E-03	1.16E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
435	567268.65	4217226.01	1.25E-03	1.34E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
436	567243.31	4217229.68	1.06E-03	1.14E-03	9.18E-04	1.01E-03	1.11E-04	1.64E-04	9.67E-05	1.01E-04
437	567230.64	4217231.52	9.64E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
438	567217.96	4217233.35	8.75E-04	9.44E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	7.99E-05	8.34E-05
439	567205.29	4217235.19	7.92E-04	8.55E-04	6.87E-04	7.56E-04	8.31E-05	1.23E-04	7.23E-05	7.55E-05
440	567192.62	4217237.02	7.18E-04	7.75E-04	6.23E-04	6.85E-04	7.53E-05	1.11E-04	6.55E-05	6.84E-05
441	567167.27	4217240.69	5.99E-04	6.46E-04	5.20E-04	5.72E-04	6.28E-05	9.27E-05	5.47E-05	5.71E-05
442	567154.6	4217242.53	5.55E-04	5.99E-04	4.81E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
443	567141.92	4217244.36	5.20E-04	5.61E-04	4.51E-04	4.96E-04	5.45E-05	8.04E-05	4.75E-05	4.95E-05
444	567129.25	4217246.2	4.92E-04	5.31E-04	4.27E-04	4.70E-04	5.16E-05	7.62E-05	4.50E-05	4.69E-05
445	567116.58	4217248.03	4.72E-04	5.09E-04	4.09E-04	4.50E-04	4.95E-05	7.30E-05	4.31E-05	4.49E-05
446	567443.14	4217045.49	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.78E-04
447	567447.15	4217059.53	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.79E-04
448	567439.33	4217069.76	1.98E-03	2.14E-03	1.72E-03	1.90E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
449	567431.51	4217079.98	2.09E-03	2.26E-03	1.82E-03	2.00E-03	2.20E-04	3.24E-04	1.91E-04	2.00E-04
450	567408.04	4217110.65	2.35E-03	2.54E-03	2.04E-03	2.24E-03	2.46E-04	3.64E-04	2.15E-04	2.24E-04
451	567400.22	4217120.87	2.40E-03	2.59E-03	2.08E-03	2.29E-03	2.52E-04	3.72E-04	2.19E-04	2.29E-04
452	567392.39	4217131.09	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
453	567384.57	4217141.32	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.53E-04	3.73E-04	2.20E-04	2.30E-04
454	567376.75	4217151.54	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.49E-04	3.67E-04	2.16E-04	2.26E-04
455	567361.1	4217171.98	2.20E-03	2.38E-03	1.91E-03	2.11E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
456	567353.28	4217182.21	2.09E-03	2.25E-03	1.81E-03	2.00E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
457	567345.45	4217192.43	1.96E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.86E-04
458	567329.81	4217212.88	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.55E-04	1.51E-04	1.57E-04
459	567321.98	4217223.1	1.49E-03	1.61E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
460	567311.7	4217229.13	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.13E-04	1.26E-04	1.31E-04
461	567298.96	4217230.98	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
462	567286.22	4217232.82	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
463	567273.48	4217234.67	1.15E-03	1.24E-03	9.99E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
464	567248	4217238.36	9.79E-04	1.06E-03	8.49E-04	9.35E-04	1.03E-04	1.51E-04	8.94E-05	9.33E-05
465	567235.26	4217240.2	8.93E-04	9.64E-04	7.75E-04	8.53E-04	9.37E-05	1.38E-04	8.16E-05	8.51E-05
466	567222.52	4217242.05	8.11E-04	8.76E-04	7.04E-04	7.75E-04	8.51E-05	1.26E-04	7.41E-05	7.73E-05
467	567209.78	4217243.89	7.36E-04	7.94E-04	6.38E-04	7.03E-04	7.72E-05	1.14E-04	6.72E-05	7.01E-05
468	567197.04	4217245.74	6.68E-04	7.21E-04	5.80E-04	6.38E-04	7.01E-05	1.03E-04	6.10E-05	6.37E-05
469	567171.57	4217249.43	5.60E-04	6.05E-04	4.86E-04	5.35E-04	5.88E-05	8.67E-05	5.12E-05	5.34E-05
470	567158.83	4217251.27	5.20E-04	5.61E-04	4.51E-04	4.97E-04	5.45E-05	8.05E-05	4.75E-05	4.96E-05
471	567146.09	4217253.12	4.88E-04	5.26E-04	4.23E-04	4.66E-04	5.12E-05	7.55E-05	4.45E-05	4.65E-05
472	567133.35	4217254.96	4.63E-04	4.99E-04	4.01E-04	4.42E-04	4.85E-05	7.16E-05	4.23E-05	4.41E-05
473	567120.61	4217256.81	4.43E-04	4.79E-04	3.85E-04	4.24E-04	4.65E-05	6.86E-05	4.05E-05	4.23E-05
474	567452.79	4217048.12	1.77E-03	1.92E-03	1.54E-03	1.70E-03	1.86E-04	2.75E-04	1.62E-04	1.69E-04
475	567456.78	4217062.19	1.77E-03	1.92E-03	1.54E-03	1.70E-03	1.86E-04	2.75E-04	1.62E-04	1.69E-04
476	567448.92	4217072.46	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
477	567441.06	4217082.74	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
478	567433.2	4217093.01	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.18E-04	3.21E-04	1.89E-04	1.98E-04
479	567401.75	4217134.1	2.30E-03	2.48E-03	2.00E-03	2.20E-03	2.41E-04	3.56E-04	2.10E-04	2.19E-04
480	567393.89	4217144.38	2.29E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.10E-04	2.19E-04
481	567386.03	4217154.65	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.07E-04	2.16E-04
482	567362.44	4217185.47	2.01E-03	2.17E-03	1.75E-03	1.92E-03	2.11E-04	3.12E-04	1.84E-04	1.92E-04

483	567354.58	4217195.74	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.98E-04	2.93E-04	1.73E-04	1.80E-04
484	567346.72	4217206.01	1.76E-03	1.90E-03	1.52E-03	1.68E-03	1.84E-04	2.72E-04	1.60E-04	1.67E-04
485	567331	4217226.56	1.46E-03	1.58E-03	1.27E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
486	567316.73	4217237.76	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
487	567303.93	4217239.62	1.22E-03	1.31E-03	1.05E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
488	567291.13	4217241.47	1.14E-03	1.24E-03	9.93E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
489	567278.33	4217243.32	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
490	567252.72	4217247.03	9.08E-04	9.80E-04	7.87E-04	8.67E-04	9.52E-05	1.40E-04	8.29E-05	8.65E-05
491	567239.92	4217248.89	8.29E-04	8.95E-04	7.19E-04	7.92E-04	8.70E-05	1.28E-04	7.57E-05	7.90E-05
492	567227.11	4217250.74	7.54E-04	8.14E-04	6.55E-04	7.21E-04	7.91E-05	1.17E-04	6.89E-05	7.19E-05
493	567214.31	4217252.59	6.86E-04	7.40E-04	5.95E-04	6.55E-04	7.19E-05	1.06E-04	6.26E-05	6.54E-05
494	567201.51	4217254.45	6.24E-04	6.74E-04	5.42E-04	5.96E-04	6.55E-05	9.66E-05	5.70E-05	5.95E-05
495	567175.9	4217258.16	5.26E-04	5.67E-04	4.56E-04	5.02E-04	5.51E-05	8.14E-05	4.80E-05	5.01E-05
496	567163.1	4217260.01	4.89E-04	5.27E-04	4.24E-04	4.67E-04	5.12E-05	7.56E-05	4.46E-05	4.66E-05
497	567150.3	4217261.87	4.59E-04	4.95E-04	3.98E-04	4.38E-04	4.81E-05	7.10E-05	4.19E-05	4.37E-05
498	567137.5	4217263.72	4.36E-04	4.70E-04	3.78E-04	4.16E-04	4.57E-05	6.74E-05	3.98E-05	4.15E-05
499	567124.69	4217265.57	4.18E-04	4.51E-04	3.63E-04	3.99E-04	4.38E-05	6.47E-05	3.82E-05	3.98E-05
500	567462.43	4217050.75	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.60E-04
501	567466.41	4217064.85	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.60E-04
502	567458.51	4217075.17	1.78E-03	1.93E-03	1.55E-03	1.70E-03	1.87E-04	2.76E-04	1.63E-04	1.70E-04
503	567450.62	4217085.49	1.88E-03	2.03E-03	1.63E-03	1.79E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
504	567442.72	4217095.81	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.05E-04	1.80E-04	1.88E-04
505	567434.82	4217106.13	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
506	567403.23	4217147.41	2.19E-03	2.36E-03	1.90E-03	2.09E-03	2.29E-04	3.38E-04	2.00E-04	2.08E-04
507	567395.33	4217157.73	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.27E-04	3.34E-04	1.97E-04	2.06E-04
508	567371.64	4217188.69	1.94E-03	2.10E-03	1.68E-03	1.85E-03	2.04E-04	3.00E-04	1.77E-04	1.85E-04
509	567363.74	4217199.02	1.83E-03	1.98E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
510	567355.84	4217209.34	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
511	567347.94	4217219.66	1.57E-03	1.70E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.44E-04	1.50E-04
512	567321.76	4217246.39	1.19E-03	1.29E-03	1.03E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
513	567308.9	4217248.25	1.13E-03	1.22E-03	9.81E-04	1.08E-03	1.19E-04	1.75E-04	1.03E-04	1.08E-04
514	567296.04	4217250.12	1.06E-03	1.15E-03	9.23E-04	1.02E-03	1.12E-04	1.65E-04	9.71E-05	1.01E-04
515	567283.18	4217251.98	9.92E-04	1.07E-03	8.61E-04	9.47E-04	1.04E-04	1.54E-04	9.06E-05	9.45E-05
516	567270.32	4217253.84	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
517	567244.59	4217257.57	7.72E-04	8.33E-04	6.70E-04	7.37E-04	8.10E-05	1.19E-04	7.05E-05	7.36E-05
518	567231.73	4217259.43	7.04E-04	7.60E-04	6.10E-04	6.72E-04	7.38E-05	1.09E-04	6.43E-05	6.71E-05
519	567218.87	4217261.29	6.41E-04	6.92E-04	5.56E-04	6.12E-04	6.72E-05	9.92E-05	5.85E-05	6.11E-05
520	567206.01	4217263.15	5.84E-04	6.31E-04	5.07E-04	5.58E-04	6.13E-05	9.05E-05	5.34E-05	5.57E-05
521	567193.15	4217265.02	5.35E-04	5.78E-04	4.65E-04	5.11E-04	5.62E-05	8.29E-05	4.89E-05	5.10E-05
522	567472.08	4217053.38	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.52E-04
523	567208.74	4216964.73	2.16E-02	2.33E-02	1.87E-02	2.06E-02	2.26E-03	3.34E-03	1.97E-03	2.06E-03
524	567217.66	4216969.25	1.80E-02	1.94E-02	1.56E-02	1.72E-02	1.89E-03	2.79E-03	1.64E-03	1.72E-03
525	567226.58	4216973.77	1.53E-02	1.65E-02	1.33E-02	1.46E-02	1.60E-03	2.37E-03	1.40E-03	1.46E-03
526	567233.83	4216959.46	1.42E-02	1.53E-02	1.23E-02	1.36E-02	1.49E-03	2.20E-03	1.30E-03	1.35E-03
527	567235.51	4216978.29	1.32E-02	1.42E-02	1.14E-02	1.26E-02	1.38E-03	2.04E-03	1.20E-03	1.26E-03
528	567242.75	4216963.97	1.22E-02	1.32E-02	1.06E-02	1.16E-02	1.28E-03	1.89E-03	1.11E-03	1.16E-03
529	567248.05	4216975.65	1.11E-02	1.20E-02	9.64E-03	1.06E-02	1.17E-03	1.72E-03	1.01E-03	1.06E-03
530	567255.3	4216961.34	9.99E-03	1.08E-02	8.67E-03	9.55E-03	1.05E-03	1.55E-03	9.13E-04	9.53E-04
531	567256.97	4216980.17	9.77E-03	1.05E-02	8.48E-03	9.33E-03	1.02E-03	1.51E-03	8.93E-04	9.31E-04
532	567264.22	4216965.85	8.80E-03	9.50E-03	7.63E-03	8.41E-03	9.23E-04	1.36E-03	8.04E-04	8.39E-04
533	567265.89	4216984.68	8.68E-03	9.37E-03	7.53E-03	8.29E-03	9.10E-04	1.34E-03	7.93E-04	8.27E-04
534	567273.14	4216970.37	7.84E-03	8.46E-03	6.80E-03	7.49E-03	8.22E-04	1.21E-03	7.16E-04	7.47E-04
535	567274.81	4216989.2	7.77E-03	8.39E-03	6.74E-03	7.42E-03	8.15E-04	1.20E-03	7.10E-04	7.41E-04
536	567282.06	4216974.89	7.04E-03	7.59E-03	6.10E-03	6.72E-03	7.38E-04	1.09E-03	6.43E-04	6.71E-04

537	567287.36	4216986.56	6.70E-03	7.23E-03	5.81E-03	6.40E-03	7.03E-04	1.04E-03	6.12E-04	6.38E-04
538	567296.28	4216991.08	6.07E-03	6.55E-03	5.27E-03	5.80E-03	6.37E-04	9.40E-04	5.55E-04	5.79E-04
539	567344.51	4217006.52	3.80E-03	4.10E-03	3.29E-03	3.63E-03	3.98E-04	5.88E-04	3.47E-04	3.62E-04
540	567353.43	4217011.03	3.53E-03	3.81E-03	3.06E-03	3.37E-03	3.70E-04	5.46E-04	3.22E-04	3.36E-04
541	567451.29	4217105.55	1.88E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
542	567458.54	4217091.23	1.80E-03	1.95E-03	1.56E-03	1.72E-03	1.89E-04	2.79E-04	1.65E-04	1.72E-04
543	567229.97	4216946.94	1.54E-02	1.66E-02	1.33E-02	1.47E-02	1.61E-03	2.38E-03	1.40E-03	1.46E-03
544	567243.15	4216946.08	1.19E-02	1.28E-02	1.03E-02	1.13E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
545	567251.12	4216952.11	1.05E-02	1.13E-02	9.11E-03	1.00E-02	1.10E-03	1.63E-03	9.59E-04	1.00E-03
546	567224.05	4216899.29	1.15E-02	1.24E-02	9.98E-03	1.10E-02	1.21E-03	1.78E-03	1.05E-03	1.10E-03
547	567211.98	4216887.14	1.17E-02	1.26E-02	1.02E-02	1.12E-02	1.23E-03	1.81E-03	1.07E-03	1.12E-03
548	567188.26	4216870.6	1.21E-02	1.31E-02	1.05E-02	1.15E-02	1.27E-03	1.87E-03	1.10E-03	1.15E-03
549	567180.35	4216865.08	1.19E-02	1.28E-02	1.03E-02	1.14E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
550	567172.45	4216859.57	1.16E-02	1.25E-02	1.00E-02	1.10E-02	1.21E-03	1.79E-03	1.06E-03	1.10E-03
551	567164.54	4216854.06	1.11E-02	1.20E-02	9.64E-03	1.06E-02	1.17E-03	1.72E-03	1.01E-03	1.06E-03
552	567156.63	4216848.54	1.05E-02	1.13E-02	9.12E-03	1.00E-02	1.10E-03	1.63E-03	9.60E-04	1.00E-03
553	567148.73	4216843.03	9.76E-03	1.05E-02	8.47E-03	9.33E-03	1.02E-03	1.51E-03	8.92E-04	9.31E-04
554	567140.82	4216837.51	8.89E-03	9.60E-03	7.71E-03	8.49E-03	9.33E-04	1.38E-03	8.12E-04	8.47E-04
555	567132.91	4216832	7.93E-03	8.56E-03	6.88E-03	7.57E-03	8.31E-04	1.23E-03	7.24E-04	7.56E-04
556	567125	4216826.48	6.93E-03	7.48E-03	6.01E-03	6.62E-03	7.27E-04	1.07E-03	6.33E-04	6.60E-04
557	567229.77	4216891.09	9.01E-03	9.72E-03	7.82E-03	8.60E-03	9.45E-04	1.39E-03	8.23E-04	8.59E-04
558	567236.18	4216911.95	1.06E-02	1.15E-02	9.23E-03	1.02E-02	1.12E-03	1.65E-03	9.71E-04	1.01E-03
559	567201.89	4216867.91	9.30E-03	1.00E-02	8.07E-03	8.89E-03	9.76E-04	1.44E-03	8.50E-04	8.87E-04
560	567193.98	4216862.4	9.24E-03	9.97E-03	8.01E-03	8.82E-03	9.69E-04	1.43E-03	8.44E-04	8.80E-04
561	567186.07	4216856.88	9.06E-03	9.77E-03	7.86E-03	8.65E-03	9.50E-04	1.40E-03	8.27E-04	8.63E-04
562	567178.17	4216851.37	8.78E-03	9.48E-03	7.62E-03	8.39E-03	9.21E-04	1.36E-03	8.02E-04	8.37E-04
563	567170.26	4216845.85	8.41E-03	9.08E-03	7.30E-03	8.04E-03	8.83E-04	1.30E-03	7.69E-04	8.02E-04
564	567162.35	4216840.34	7.95E-03	8.58E-03	6.90E-03	7.59E-03	8.34E-04	1.23E-03	7.26E-04	7.58E-04
565	567154.45	4216834.82	7.40E-03	7.99E-03	6.42E-03	7.07E-03	7.76E-04	1.15E-03	6.76E-04	7.06E-04
566	567146.54	4216829.31	6.79E-03	7.33E-03	5.89E-03	6.49E-03	7.12E-04	1.05E-03	6.20E-04	6.47E-04
567	567138.63	4216823.8	6.14E-03	6.62E-03	5.32E-03	5.86E-03	6.44E-04	9.50E-04	5.61E-04	5.85E-04
568	567114.91	4216807.25	4.29E-03	4.63E-03	3.72E-03	4.09E-03	4.50E-04	6.63E-04	3.92E-04	4.09E-04
569	567235.49	4216882.89	7.27E-03	7.85E-03	6.31E-03	6.95E-03	7.63E-04	1.13E-03	6.64E-04	6.93E-04
570	567243.8	4216896.15	7.61E-03	8.21E-03	6.60E-03	7.27E-03	7.98E-04	1.18E-03	6.95E-04	7.25E-04
571	567246.06	4216910.38	8.62E-03	9.31E-03	7.48E-03	8.24E-03	9.05E-04	1.33E-03	7.88E-04	8.22E-04
572	567215.52	4216865.22	7.36E-03	7.95E-03	6.39E-03	7.03E-03	7.72E-04	1.14E-03	6.73E-04	7.02E-04
573	567207.61	4216859.71	7.40E-03	7.98E-03	6.42E-03	7.06E-03	7.76E-04	1.14E-03	6.76E-04	7.05E-04
574	567199.7	4216854.19	7.32E-03	7.90E-03	6.35E-03	6.99E-03	7.68E-04	1.13E-03	6.69E-04	6.98E-04
575	567191.8	4216848.68	7.17E-03	7.74E-03	6.22E-03	6.85E-03	7.52E-04	1.11E-03	6.55E-04	6.83E-04
576	567183.89	4216843.16	6.94E-03	7.49E-03	6.02E-03	6.63E-03	7.28E-04	1.07E-03	6.34E-04	6.61E-04
577	567175.98	4216837.65	6.64E-03	7.17E-03	5.76E-03	6.35E-03	6.97E-04	1.03E-03	6.07E-04	6.33E-04
578	567168.07	4216832.14	6.29E-03	6.79E-03	5.45E-03	6.00E-03	6.59E-04	9.73E-04	5.74E-04	5.99E-04
579	567160.17	4216826.62	5.88E-03	6.34E-03	5.10E-03	5.61E-03	6.17E-04	9.10E-04	5.37E-04	5.60E-04
580	567152.26	4216821.11	5.43E-03	5.86E-03	4.71E-03	5.19E-03	5.70E-04	8.41E-04	4.96E-04	5.18E-04
581	567128.54	4216804.56	4.06E-03	4.38E-03	3.52E-03	3.87E-03	4.25E-04	6.28E-04	3.71E-04	3.87E-04
582	567120.63	4216799.05	3.65E-03	3.94E-03	3.16E-03	3.48E-03	3.83E-04	5.65E-04	3.33E-04	3.48E-04
583	567241.21	4216874.68	6.03E-03	6.51E-03	5.23E-03	5.76E-03	6.33E-04	9.34E-04	5.51E-04	5.75E-04
584	567249.52	4216887.95	6.33E-03	6.84E-03	5.49E-03	6.05E-03	6.64E-04	9.80E-04	5.78E-04	6.04E-04
585	567255.93	4216908.82	7.17E-03	7.74E-03	6.22E-03	6.85E-03	7.52E-04	1.11E-03	6.55E-04	6.83E-04
586	567252.14	4216924.01	8.81E-03	9.51E-03	7.64E-03	8.41E-03	9.24E-04	1.36E-03	8.05E-04	8.40E-04
587	567229.14	4216862.53	5.93E-03	6.40E-03	5.15E-03	5.67E-03	6.22E-04	9.18E-04	5.42E-04	5.65E-04
588	567221.24	4216857.02	6.01E-03	6.49E-03	5.21E-03	5.74E-03	6.30E-04	9.30E-04	5.49E-04	5.73E-04
589	567213.33	4216851.51	6.04E-03	6.51E-03	5.24E-03	5.76E-03	6.33E-04	9.34E-04	5.51E-04	5.75E-04
590	567205.42	4216845.99	5.97E-03	6.44E-03	5.18E-03	5.70E-03	6.26E-04	9.24E-04	5.45E-04	5.69E-04

591	567197.52	4216840.48	5.84E-03	6.30E-03	5.07E-03	5.58E-03	6.13E-04	9.04E-04	5.33E-04	5.57E-04
592	567189.61	4216834.96	5.65E-03	6.10E-03	4.90E-03	5.40E-03	5.93E-04	8.75E-04	5.16E-04	5.39E-04
593	567181.7	4216829.45	5.42E-03	5.85E-03	4.70E-03	5.17E-03	5.68E-04	8.38E-04	4.95E-04	5.16E-04
594	567173.79	4216823.93	5.14E-03	5.54E-03	4.46E-03	4.91E-03	5.39E-04	7.95E-04	4.69E-04	4.90E-04
595	567165.89	4216818.42	4.82E-03	5.21E-03	4.19E-03	4.61E-03	5.06E-04	7.47E-04	4.41E-04	4.60E-04
596	567142.17	4216801.88	3.80E-03	4.10E-03	3.30E-03	3.63E-03	3.99E-04	5.88E-04	3.47E-04	3.62E-04
597	567134.26	4216796.36	3.47E-03	3.74E-03	3.01E-03	3.31E-03	3.64E-04	5.37E-04	3.17E-04	3.31E-04
598	567126.35	4216790.85	3.16E-03	3.41E-03	2.74E-03	3.01E-03	3.31E-04	4.89E-04	2.88E-04	3.01E-04
599	567252.75	4216875.77	5.30E-03	5.73E-03	4.60E-03	5.07E-03	5.56E-04	8.21E-04	4.84E-04	5.06E-04
600	567257.73	4216883.73	5.42E-03	5.85E-03	4.71E-03	5.18E-03	5.69E-04	8.40E-04	4.95E-04	5.17E-04
601	567262.72	4216891.69	5.49E-03	5.93E-03	4.77E-03	5.25E-03	5.76E-04	8.51E-04	5.02E-04	5.24E-04
602	567265.43	4216908.77	6.19E-03	6.68E-03	5.37E-03	5.91E-03	6.49E-04	9.58E-04	5.65E-04	5.90E-04
603	567263.15	4216917.88	6.95E-03	7.50E-03	6.03E-03	6.64E-03	7.29E-04	1.08E-03	6.35E-04	6.63E-04
604	567260.88	4216927	7.78E-03	8.39E-03	6.75E-03	7.43E-03	8.16E-04	1.20E-03	7.10E-04	7.41E-04
605	567242.77	4216859.85	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.61E-04	4.49E-04	4.69E-04
606	567234.86	4216854.33	4.97E-03	5.37E-03	4.32E-03	4.75E-03	5.22E-04	7.70E-04	4.54E-04	4.74E-04
607	567226.96	4216848.82	5.01E-03	5.41E-03	4.35E-03	4.79E-03	5.26E-04	7.76E-04	4.58E-04	4.78E-04
608	567219.05	4216843.3	5.03E-03	5.43E-03	4.36E-03	4.80E-03	5.28E-04	7.79E-04	4.59E-04	4.79E-04
609	567211.14	4216837.79	4.98E-03	5.38E-03	4.32E-03	4.76E-03	5.23E-04	7.71E-04	4.55E-04	4.75E-04
610	567203.24	4216832.27	4.87E-03	5.26E-03	4.22E-03	4.65E-03	5.11E-04	7.54E-04	4.45E-04	4.64E-04
611	567195.33	4216826.76	4.71E-03	5.09E-03	4.09E-03	4.50E-03	4.94E-04	7.30E-04	4.31E-04	4.49E-04
612	567187.42	4216821.25	4.52E-03	4.88E-03	3.93E-03	4.32E-03	4.75E-04	7.00E-04	4.13E-04	4.31E-04
613	567179.51	4216815.73	4.30E-03	4.64E-03	3.73E-03	4.11E-03	4.51E-04	6.66E-04	3.93E-04	4.10E-04
614	567171.61	4216810.22	4.06E-03	4.39E-03	3.52E-03	3.88E-03	4.26E-04	6.29E-04	3.71E-04	3.87E-04
615	567147.89	4216793.67	3.27E-03	3.53E-03	2.84E-03	3.12E-03	3.43E-04	5.06E-04	2.99E-04	3.12E-04
616	567139.98	4216788.16	3.01E-03	3.25E-03	2.61E-03	2.88E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
617	567132.07	4216782.65	2.77E-03	2.99E-03	2.40E-03	2.64E-03	2.90E-04	4.28E-04	2.53E-04	2.64E-04
618	567263.04	4216874.86	4.66E-03	5.04E-03	4.05E-03	4.46E-03	4.89E-04	7.22E-04	4.26E-04	4.45E-04
619	567272.74	4216890.35	4.78E-03	5.16E-03	4.15E-03	4.57E-03	5.01E-04	7.40E-04	4.37E-04	4.56E-04
620	567275.37	4216906.95	5.32E-03	5.74E-03	4.61E-03	5.08E-03	5.58E-04	8.23E-04	4.86E-04	5.07E-04
621	567273.16	4216915.81	5.89E-03	6.36E-03	5.11E-03	5.63E-03	6.18E-04	9.12E-04	5.38E-04	5.62E-04
622	567268.73	4216933.53	7.19E-03	7.77E-03	6.24E-03	6.87E-03	7.55E-04	1.11E-03	6.57E-04	6.86E-04
623	567248.49	4216851.64	4.22E-03	4.56E-03	3.66E-03	4.03E-03	4.43E-04	6.54E-04	3.86E-04	4.02E-04
624	567240.58	4216846.13	4.26E-03	4.59E-03	3.69E-03	4.06E-03	4.46E-04	6.59E-04	3.89E-04	4.06E-04
625	567232.68	4216840.61	4.28E-03	4.62E-03	3.71E-03	4.08E-03	4.48E-04	6.62E-04	3.91E-04	4.08E-04
626	567224.77	4216835.1	4.29E-03	4.63E-03	3.72E-03	4.10E-03	4.50E-04	6.64E-04	3.92E-04	4.09E-04
627	567216.86	4216829.59	4.23E-03	4.57E-03	3.67E-03	4.04E-03	4.44E-04	6.55E-04	3.87E-04	4.03E-04
628	567208.96	4216824.07	4.14E-03	4.46E-03	3.59E-03	3.95E-03	4.34E-04	6.40E-04	3.78E-04	3.94E-04
629	567201.05	4216818.56	4.01E-03	4.33E-03	3.48E-03	3.83E-03	4.20E-04	6.20E-04	3.66E-04	3.82E-04
630	567193.14	4216813.04	3.85E-03	4.16E-03	3.34E-03	3.68E-03	4.04E-04	5.96E-04	3.52E-04	3.67E-04
631	567185.23	4216807.53	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.50E-04
632	567161.51	4216790.99	3.07E-03	3.31E-03	2.66E-03	2.93E-03	3.22E-04	4.75E-04	2.80E-04	2.93E-04
633	567153.61	4216785.47	2.86E-03	3.08E-03	2.48E-03	2.73E-03	3.00E-04	4.42E-04	2.61E-04	2.72E-04
634	567145.7	4216779.96	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.78E-04	4.10E-04	2.42E-04	2.52E-04
635	567137.79	4216774.44	2.45E-03	2.64E-03	2.13E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.34E-04
636	567258.96	4216851.02	3.81E-03	4.11E-03	3.31E-03	3.64E-03	4.00E-04	5.90E-04	3.48E-04	3.63E-04
637	567273.21	4216873.77	4.11E-03	4.44E-03	3.57E-03	3.93E-03	4.31E-04	6.36E-04	3.76E-04	3.92E-04
638	567282.71	4216888.94	4.20E-03	4.53E-03	3.64E-03	4.01E-03	4.41E-04	6.50E-04	3.84E-04	4.00E-04
639	567285.29	4216905.2	4.63E-03	5.00E-03	4.02E-03	4.43E-03	4.86E-04	7.17E-04	4.23E-04	4.42E-04
640	567283.12	4216913.88	5.08E-03	5.48E-03	4.41E-03	4.85E-03	5.33E-04	7.86E-04	4.64E-04	4.84E-04
641	567278.79	4216931.24	6.10E-03	6.58E-03	5.29E-03	5.82E-03	6.40E-04	9.44E-04	5.57E-04	5.81E-04
642	567246.3	4216837.93	3.70E-03	3.99E-03	3.21E-03	3.53E-03	3.88E-04	5.73E-04	3.38E-04	3.53E-04
643	567238.4	4216832.41	3.71E-03	4.00E-03	3.22E-03	3.54E-03	3.89E-04	5.74E-04	3.39E-04	3.54E-04
644	567230.49	4216826.9	3.71E-03	4.00E-03	3.22E-03	3.54E-03	3.89E-04	5.74E-04	3.39E-04	3.53E-04

645	567222.58	4216821.38	3.65E-03	3.94E-03	3.17E-03	3.49E-03	3.83E-04	5.65E-04	3.33E-04	3.48E-04
646	567214.68	4216815.87	3.57E-03	3.85E-03	3.09E-03	3.41E-03	3.74E-04	5.52E-04	3.26E-04	3.40E-04
647	567206.77	4216810.36	3.46E-03	3.73E-03	3.00E-03	3.30E-03	3.63E-04	5.35E-04	3.16E-04	3.30E-04
648	567198.86	4216804.84	3.33E-03	3.59E-03	2.89E-03	3.18E-03	3.49E-04	5.15E-04	3.04E-04	3.17E-04
649	567175.14	4216788.3	2.87E-03	3.09E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
650	567167.23	4216782.78	2.70E-03	2.91E-03	2.34E-03	2.57E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
651	567159.33	4216777.27	2.52E-03	2.72E-03	2.19E-03	2.41E-03	2.64E-04	3.90E-04	2.30E-04	2.40E-04
652	567151.42	4216771.76	2.35E-03	2.54E-03	2.04E-03	2.25E-03	2.47E-04	3.64E-04	2.15E-04	2.24E-04
653	567143.51	4216766.24	2.19E-03	2.36E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
654	567264.61	4216842.7	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.51E-04	5.17E-04	3.05E-04	3.19E-04
655	567283.31	4216872.56	3.65E-03	3.94E-03	3.17E-03	3.49E-03	3.83E-04	5.65E-04	3.34E-04	3.48E-04
656	567292.66	4216887.49	3.72E-03	4.02E-03	3.23E-03	3.56E-03	3.90E-04	5.76E-04	3.40E-04	3.55E-04
657	567295.2	4216903.5	4.08E-03	4.40E-03	3.54E-03	3.89E-03	4.27E-04	6.31E-04	3.72E-04	3.88E-04
658	567290.93	4216920.59	4.82E-03	5.20E-03	4.18E-03	4.60E-03	5.06E-04	7.46E-04	4.40E-04	4.60E-04
659	567252.02	4216829.72	3.25E-03	3.50E-03	2.82E-03	3.10E-03	3.41E-04	5.03E-04	2.97E-04	3.09E-04
660	567244.12	4216824.21	3.25E-03	3.51E-03	2.82E-03	3.11E-03	3.41E-04	5.03E-04	2.97E-04	3.10E-04
661	567236.21	4216818.7	3.24E-03	3.49E-03	2.81E-03	3.09E-03	3.39E-04	5.01E-04	2.96E-04	3.09E-04
662	567228.3	4216813.18	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
663	567220.4	4216807.67	3.11E-03	3.36E-03	2.70E-03	2.97E-03	3.27E-04	4.82E-04	2.84E-04	2.97E-04
664	567212.49	4216802.15	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
665	567188.77	4216785.61	2.67E-03	2.88E-03	2.31E-03	2.55E-03	2.80E-04	4.13E-04	2.44E-04	2.54E-04
666	567180.86	4216780.1	2.53E-03	2.73E-03	2.20E-03	2.42E-03	2.65E-04	3.92E-04	2.31E-04	2.41E-04
667	567172.95	4216774.58	2.39E-03	2.58E-03	2.07E-03	2.28E-03	2.51E-04	3.70E-04	2.18E-04	2.28E-04
668	567165.05	4216769.07	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.48E-04	2.05E-04	2.14E-04
669	567157.14	4216763.55	2.11E-03	2.27E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.92E-04	2.01E-04
670	567149.23	4216758.04	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
671	567270.27	4216834.41	2.95E-03	3.19E-03	2.56E-03	2.82E-03	3.10E-04	4.57E-04	2.70E-04	2.81E-04
672	567279.51	4216849.15	3.11E-03	3.36E-03	2.70E-03	2.97E-03	3.26E-04	4.82E-04	2.84E-04	2.97E-04
673	567288.74	4216863.9	3.23E-03	3.49E-03	2.80E-03	3.08E-03	3.39E-04	5.00E-04	2.95E-04	3.08E-04
674	567297.98	4216878.64	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.01E-04	3.15E-04
675	567305.11	4216901.82	3.60E-03	3.89E-03	3.13E-03	3.44E-03	3.78E-04	5.58E-04	3.29E-04	3.43E-04
676	567300.89	4216918.7	4.22E-03	4.55E-03	3.66E-03	4.03E-03	4.43E-04	6.53E-04	3.85E-04	4.02E-04
677	567257.74	4216821.52	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.74E-04
678	567249.84	4216816.01	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.74E-04
679	567241.93	4216810.49	2.85E-03	3.08E-03	2.48E-03	2.73E-03	2.99E-04	4.42E-04	2.61E-04	2.72E-04
680	567234.02	4216804.98	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
681	567226.12	4216799.46	2.75E-03	2.97E-03	2.38E-03	2.62E-03	2.88E-04	4.25E-04	2.51E-04	2.62E-04
682	567202.39	4216782.92	2.48E-03	2.67E-03	2.15E-03	2.37E-03	2.60E-04	3.83E-04	2.26E-04	2.36E-04
683	567194.49	4216777.41	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.49E-04	3.67E-04	2.16E-04	2.26E-04
684	567186.58	4216771.89	2.26E-03	2.44E-03	1.96E-03	2.15E-03	2.37E-04	3.49E-04	2.06E-04	2.15E-04
685	567178.67	4216766.38	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
686	567170.77	4216760.86	2.02E-03	2.18E-03	1.75E-03	1.93E-03	2.12E-04	3.13E-04	1.85E-04	1.93E-04
687	567162.86	4216755.35	1.90E-03	2.05E-03	1.65E-03	1.82E-03	2.00E-04	2.95E-04	1.74E-04	1.81E-04
688	567154.95	4216749.84	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.64E-04	1.71E-04
689	567276.45	4216826.94	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.09E-04	2.41E-04	2.52E-04
690	567281.53	4216835.05	2.72E-03	2.94E-03	2.36E-03	2.60E-03	2.85E-04	4.21E-04	2.49E-04	2.59E-04
691	567286.61	4216843.16	2.79E-03	3.01E-03	2.42E-03	2.67E-03	2.93E-04	4.32E-04	2.55E-04	2.66E-04
692	567296.77	4216859.38	2.90E-03	3.13E-03	2.52E-03	2.77E-03	3.04E-04	4.49E-04	2.65E-04	2.76E-04
693	567301.85	4216867.49	2.94E-03	3.17E-03	2.55E-03	2.81E-03	3.08E-04	4.55E-04	2.68E-04	2.80E-04
694	567306.93	4216875.6	2.96E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.82E-04
695	567312.01	4216883.71	2.98E-03	3.22E-03	2.58E-03	2.85E-03	3.12E-04	4.61E-04	2.72E-04	2.84E-04
696	567314.77	4216901.1	3.24E-03	3.50E-03	2.81E-03	3.09E-03	3.40E-04	5.01E-04	2.96E-04	3.09E-04
697	567312.45	4216910.38	3.52E-03	3.80E-03	3.05E-03	3.36E-03	3.69E-04	5.44E-04	3.21E-04	3.35E-04
698	567310.13	4216919.66	3.82E-03	4.12E-03	3.31E-03	3.65E-03	4.01E-04	5.91E-04	3.49E-04	3.64E-04

699	567303.18	4216947.52	4.86E-03	5.25E-03	4.22E-03	4.65E-03	5.10E-04	7.53E-04	4.44E-04	4.64E-04
700	567271.37	4216818.83	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.67E-04	3.95E-04	2.33E-04	2.43E-04
701	567263.46	4216813.32	2.56E-03	2.76E-03	2.22E-03	2.44E-03	2.68E-04	3.96E-04	2.34E-04	2.44E-04
702	567255.56	4216807.81	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
703	567247.65	4216802.29	2.53E-03	2.73E-03	2.20E-03	2.42E-03	2.66E-04	3.92E-04	2.31E-04	2.41E-04
704	567239.74	4216796.78	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.62E-04	3.87E-04	2.28E-04	2.38E-04
705	567216.02	4216780.23	2.30E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.56E-04	2.10E-04	2.19E-04
706	567208.11	4216774.72	2.22E-03	2.39E-03	1.92E-03	2.12E-03	2.32E-04	3.43E-04	2.02E-04	2.11E-04
707	567200.21	4216769.21	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.02E-04
708	567192.3	4216763.69	2.03E-03	2.19E-03	1.76E-03	1.94E-03	2.13E-04	3.14E-04	1.85E-04	1.93E-04
709	567184.39	4216758.18	1.93E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.99E-04	1.76E-04	1.84E-04
710	567176.49	4216752.66	1.83E-03	1.97E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
711	567168.58	4216747.15	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
712	567160.67	4216741.63	1.64E-03	1.77E-03	1.42E-03	1.56E-03	1.72E-04	2.53E-04	1.49E-04	1.56E-04
713	567282.08	4216818.59	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.48E-04	3.67E-04	2.16E-04	2.26E-04
714	567287.07	4216826.55	2.44E-03	2.63E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
715	567292.05	4216834.52	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.63E-04	3.87E-04	2.29E-04	2.39E-04
716	567297.04	4216842.48	2.56E-03	2.76E-03	2.22E-03	2.44E-03	2.68E-04	3.96E-04	2.34E-04	2.44E-04
717	567307.02	4216858.4	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.08E-04	2.41E-04	2.51E-04
718	567312	4216866.36	2.66E-03	2.87E-03	2.31E-03	2.54E-03	2.79E-04	4.12E-04	2.43E-04	2.54E-04
719	567316.99	4216874.32	2.68E-03	2.89E-03	2.33E-03	2.56E-03	2.81E-04	4.15E-04	2.45E-04	2.56E-04
720	567321.98	4216882.29	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.82E-04	4.17E-04	2.46E-04	2.57E-04
721	567324.69	4216899.36	2.90E-03	3.14E-03	2.52E-03	2.77E-03	3.05E-04	4.50E-04	2.65E-04	2.77E-04
722	567322.41	4216908.48	3.14E-03	3.38E-03	2.72E-03	2.99E-03	3.29E-04	4.85E-04	2.86E-04	2.99E-04
723	567320.14	4216917.59	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.55E-04	5.24E-04	3.09E-04	3.23E-04
724	567313.31	4216944.93	4.26E-03	4.60E-03	3.69E-03	4.07E-03	4.47E-04	6.59E-04	3.89E-04	4.06E-04
725	567311.03	4216954.05	4.57E-03	4.93E-03	3.97E-03	4.37E-03	4.79E-04	7.08E-04	4.18E-04	4.36E-04
726	567277.09	4216810.63	2.29E-03	2.47E-03	1.99E-03	2.19E-03	2.40E-04	3.55E-04	2.09E-04	2.18E-04
727	567269.19	4216805.12	2.29E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.09E-04	2.19E-04
728	567261.28	4216799.6	2.29E-03	2.47E-03	1.98E-03	2.18E-03	2.40E-04	3.54E-04	2.09E-04	2.18E-04
729	567253.37	4216794.09	2.27E-03	2.45E-03	1.97E-03	2.16E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
730	567245.46	4216788.57	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.46E-04	2.04E-04	2.13E-04
731	567221.74	4216772.03	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.97E-04
732	567213.84	4216766.52	2.00E-03	2.16E-03	1.73E-03	1.91E-03	2.10E-04	3.09E-04	1.82E-04	1.90E-04
733	567205.93	4216761	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
734	567198.02	4216755.49	1.84E-03	1.98E-03	1.59E-03	1.75E-03	1.93E-04	2.84E-04	1.68E-04	1.75E-04
735	567190.11	4216749.97	1.75E-03	1.89E-03	1.52E-03	1.67E-03	1.84E-04	2.71E-04	1.60E-04	1.67E-04
736	567182.21	4216744.46	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.52E-04	1.59E-04
737	567174.3	4216738.95	1.58E-03	1.71E-03	1.37E-03	1.51E-03	1.66E-04	2.45E-04	1.44E-04	1.51E-04
738	567166.39	4216733.43	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
739	567287.72	4216810.27	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
740	567297.55	4216825.95	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.49E-04	2.06E-04	2.15E-04
741	567302.46	4216833.79	2.31E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.57E-04	2.11E-04	2.20E-04
742	567317.2	4216857.32	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.53E-04	3.73E-04	2.20E-04	2.29E-04
743	567327.02	4216873	2.44E-03	2.63E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.32E-04
744	567331.93	4216880.84	2.45E-03	2.64E-03	2.12E-03	2.34E-03	2.56E-04	3.79E-04	2.23E-04	2.33E-04
745	567334.6	4216897.66	2.62E-03	2.83E-03	2.27E-03	2.50E-03	2.75E-04	4.06E-04	2.39E-04	2.50E-04
746	567332.36	4216906.63	2.81E-03	3.04E-03	2.44E-03	2.69E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
747	567330.12	4216915.61	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
748	567323.39	4216942.54	3.76E-03	4.06E-03	3.26E-03	3.59E-03	3.94E-04	5.82E-04	3.44E-04	3.58E-04
749	567321.15	4216951.51	4.02E-03	4.34E-03	3.49E-03	3.84E-03	4.22E-04	6.23E-04	3.68E-04	3.84E-04
750	567282.81	4216802.43	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.97E-04
751	567274.91	4216796.91	2.07E-03	2.23E-03	1.80E-03	1.98E-03	2.17E-04	3.20E-04	1.89E-04	1.97E-04
752	567267	4216791.4	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04

753	567259.09	4216785.89	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
754	567235.37	4216769.34	1.93E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	2.99E-04	1.77E-04	1.84E-04
755	567227.46	4216763.83	1.88E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
756	567219.56	4216758.31	1.81E-03	1.96E-03	1.57E-03	1.73E-03	1.90E-04	2.80E-04	1.65E-04	1.73E-04
757	567211.65	4216752.8	1.74E-03	1.88E-03	1.51E-03	1.67E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
758	567203.74	4216747.29	1.67E-03	1.81E-03	1.45E-03	1.60E-03	1.75E-04	2.59E-04	1.53E-04	1.59E-04
759	567195.83	4216741.77	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.52E-04
760	567187.93	4216736.26	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
761	567180.02	4216730.74	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.33E-04	1.38E-04
762	567172.11	4216725.23	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
763	567293.38	4216801.97	1.94E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.78E-04	1.85E-04
764	567303.08	4216817.45	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
765	567312.78	4216832.93	2.13E-03	2.30E-03	1.85E-03	2.04E-03	2.24E-04	3.30E-04	1.95E-04	2.03E-04
766	567332.17	4216863.89	2.22E-03	2.40E-03	1.93E-03	2.12E-03	2.33E-04	3.44E-04	2.03E-04	2.12E-04
767	567341.87	4216879.37	2.23E-03	2.41E-03	1.94E-03	2.13E-03	2.34E-04	3.46E-04	2.04E-04	2.13E-04
768	567344.51	4216895.97	2.38E-03	2.57E-03	2.06E-03	2.27E-03	2.50E-04	3.68E-04	2.17E-04	2.27E-04
769	567342.29	4216904.83	2.54E-03	2.74E-03	2.20E-03	2.43E-03	2.67E-04	3.93E-04	2.32E-04	2.42E-04
770	567333.44	4216940.28	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.50E-04	5.17E-04	3.05E-04	3.18E-04
771	567329.01	4216958	3.80E-03	4.11E-03	3.30E-03	3.63E-03	3.99E-04	5.89E-04	3.47E-04	3.63E-04
772	567288.53	4216794.23	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.98E-04	2.92E-04	1.72E-04	1.80E-04
773	567280.63	4216788.71	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
774	567272.72	4216783.2	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
775	567249	4216766.65	1.80E-03	1.94E-03	1.56E-03	1.72E-03	1.89E-04	2.79E-04	1.65E-04	1.72E-04
776	567241.09	4216761.14	1.76E-03	1.90E-03	1.52E-03	1.68E-03	1.84E-04	2.72E-04	1.61E-04	1.67E-04
777	567233.18	4216755.63	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
778	567225.28	4216750.11	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
779	567217.37	4216744.6	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.47E-04	1.45E-04	1.52E-04
780	567209.46	4216739.08	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
781	567201.55	4216733.57	1.47E-03	1.58E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
782	567193.65	4216728.05	1.40E-03	1.52E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
783	567185.74	4216722.54	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
784	567177.83	4216717.03	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
785	567299.05	4216793.68	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
786	567303.84	4216801.33	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.66E-04	1.74E-04
787	567313.44	4216816.65	1.91E-03	2.06E-03	1.66E-03	1.82E-03	2.00E-04	2.96E-04	1.74E-04	1.82E-04
788	567318.23	4216824.3	1.94E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.78E-04	1.85E-04
789	567342.21	4216862.58	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.86E-04	1.95E-04
790	567351.8	4216877.89	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
791	567354.41	4216894.31	2.17E-03	2.34E-03	1.88E-03	2.07E-03	2.28E-04	3.36E-04	1.98E-04	2.07E-04
792	567350.03	4216911.84	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.80E-04	2.24E-04	2.34E-04
793	567341.27	4216946.89	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
794	567336.89	4216964.42	3.60E-03	3.89E-03	3.12E-03	3.44E-03	3.78E-04	5.57E-04	3.29E-04	3.43E-04
795	567286.35	4216780.51	1.72E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.66E-04	1.57E-04	1.64E-04
796	567262.62	4216763.97	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.52E-04	1.59E-04
797	567254.72	4216758.45	1.64E-03	1.77E-03	1.42E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.56E-04
798	567246.81	4216752.94	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.49E-04	1.47E-04	1.53E-04
799	567238.9	4216747.42	1.56E-03	1.69E-03	1.36E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
800	567231	4216741.91	1.51E-03	1.63E-03	1.31E-03	1.45E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
801	567223.09	4216736.4	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.34E-04	1.39E-04
802	567215.18	4216730.88	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
803	567207.27	4216725.37	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.24E-04	1.29E-04
804	567199.37	4216719.85	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
805	567191.46	4216714.34	1.24E-03	1.34E-03	1.08E-03	1.19E-03	1.30E-04	1.92E-04	1.14E-04	1.19E-04
806	567305.09	4216785.99	1.63E-03	1.76E-03	1.41E-03	1.55E-03	1.71E-04	2.52E-04	1.49E-04	1.55E-04

807	567310.2	4216794.15	1.67E-03	1.81E-03	1.45E-03	1.60E-03	1.76E-04	2.59E-04	1.53E-04	1.60E-04
808	567315.32	4216802.32	1.72E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.66E-04	1.57E-04	1.64E-04
809	567320.43	4216810.48	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.84E-04	2.72E-04	1.61E-04	1.68E-04
810	567325.55	4216818.65	1.79E-03	1.94E-03	1.56E-03	1.71E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04
811	567330.66	4216826.82	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.66E-04	1.74E-04
812	567335.78	4216834.98	1.84E-03	1.99E-03	1.60E-03	1.76E-03	1.93E-04	2.85E-04	1.68E-04	1.76E-04
813	567346.01	4216851.31	1.87E-03	2.02E-03	1.63E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.79E-04
814	567351.13	4216859.48	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
815	567361.8	4216902.67	2.13E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.03E-04
816	567354.8	4216930.72	2.59E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.46E-04
817	567352.46	4216940.07	2.76E-03	2.98E-03	2.40E-03	2.64E-03	2.90E-04	4.28E-04	2.53E-04	2.64E-04
818	567350.13	4216949.41	2.96E-03	3.19E-03	2.56E-03	2.82E-03	3.10E-04	4.57E-04	2.70E-04	2.82E-04
819	567347.79	4216958.76	3.15E-03	3.40E-03	2.74E-03	3.01E-03	3.31E-04	4.88E-04	2.88E-04	3.01E-04
820	567345.46	4216968.11	3.35E-03	3.62E-03	2.91E-03	3.20E-03	3.52E-04	5.19E-04	3.06E-04	3.20E-04
821	567299.97	4216777.82	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.66E-04	2.44E-04	1.44E-04	1.50E-04
822	567276.25	4216761.28	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.39E-04	1.41E-04	1.47E-04
823	567268.34	4216755.76	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
824	567260.44	4216750.25	1.50E-03	1.62E-03	1.30E-03	1.44E-03	1.58E-04	2.33E-04	1.37E-04	1.43E-04
825	567252.53	4216744.74	1.48E-03	1.59E-03	1.28E-03	1.41E-03	1.55E-04	2.28E-04	1.35E-04	1.41E-04
826	567244.62	4216739.22	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
827	567236.72	4216733.71	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.16E-04	1.27E-04	1.33E-04
828	567228.81	4216728.19	1.35E-03	1.45E-03	1.17E-03	1.29E-03	1.41E-04	2.09E-04	1.23E-04	1.28E-04
829	567220.9	4216722.68	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
830	567212.99	4216717.16	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
831	567205.09	4216711.65	1.20E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
832	567310.74	4216777.68	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
833	567315.79	4216785.73	1.54E-03	1.66E-03	1.33E-03	1.47E-03	1.61E-04	2.38E-04	1.40E-04	1.47E-04
834	567320.83	4216793.79	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.65E-04	2.44E-04	1.44E-04	1.50E-04
835	567325.88	4216801.84	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
836	567330.93	4216809.9	1.65E-03	1.78E-03	1.43E-03	1.57E-03	1.73E-04	2.55E-04	1.50E-04	1.57E-04
837	567335.97	4216817.96	1.68E-03	1.81E-03	1.45E-03	1.60E-03	1.76E-04	2.59E-04	1.53E-04	1.60E-04
838	567371.3	4216874.35	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.83E-04	2.69E-04	1.59E-04	1.66E-04
839	567364.83	4216928.52	2.34E-03	2.53E-03	2.03E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.23E-04
840	567362.52	4216937.75	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.62E-04	3.87E-04	2.28E-04	2.38E-04
841	567360.22	4216946.97	2.66E-03	2.87E-03	2.31E-03	2.54E-03	2.79E-04	4.12E-04	2.43E-04	2.53E-04
842	567357.92	4216956.19	2.83E-03	3.06E-03	2.46E-03	2.70E-03	2.97E-04	4.38E-04	2.59E-04	2.70E-04
843	567355.61	4216965.42	3.01E-03	3.25E-03	2.61E-03	2.87E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
844	567289.88	4216758.59	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
845	567281.97	4216753.08	1.42E-03	1.54E-03	1.24E-03	1.36E-03	1.49E-04	2.20E-04	1.30E-04	1.36E-04
846	567274.06	4216747.56	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.47E-04	2.18E-04	1.28E-04	1.34E-04
847	567266.16	4216742.05	1.39E-03	1.50E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.27E-04	1.32E-04
848	567258.25	4216736.53	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
849	567250.34	4216731.02	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
850	567242.44	4216725.5	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
851	567234.53	4216719.99	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
852	567226.62	4216714.48	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.87E-04	1.10E-04	1.15E-04
853	567218.71	4216708.96	1.16E-03	1.26E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
854	567316.4	4216769.38	1.39E-03	1.50E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.27E-04	1.32E-04
855	567321.39	4216777.34	1.42E-03	1.53E-03	1.23E-03	1.36E-03	1.49E-04	2.20E-04	1.30E-04	1.35E-04
856	567326.38	4216785.3	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.53E-04	2.25E-04	1.33E-04	1.39E-04
857	567366.27	4216848.99	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
858	567371.26	4216856.96	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
859	567376.25	4216864.92	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
860	567381.24	4216872.88	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04

861	567383.95	4216889.95	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.62E-04	1.55E-04	1.61E-04
862	567381.67	4216899.07	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.63E-04	1.70E-04
863	567374.84	4216926.41	2.14E-03	2.30E-03	1.85E-03	2.04E-03	2.24E-04	3.30E-04	1.95E-04	2.04E-04
864	567372.56	4216935.53	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
865	567370.29	4216944.64	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.52E-04	3.73E-04	2.20E-04	2.29E-04
866	567368.01	4216953.76	2.55E-03	2.76E-03	2.22E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
867	567365.73	4216962.87	2.71E-03	2.92E-03	2.35E-03	2.59E-03	2.84E-04	4.19E-04	2.47E-04	2.58E-04
868	567363.46	4216971.99	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
869	567358.9	4216990.22	3.19E-03	3.44E-03	2.77E-03	3.05E-03	3.35E-04	4.94E-04	2.91E-04	3.04E-04
870	567356.63	4216999.33	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.51E-04	5.17E-04	3.05E-04	3.19E-04
871	567295.6	4216750.39	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
872	567287.69	4216744.87	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.25E-04
873	567279.78	4216739.36	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
874	567271.88	4216733.85	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
875	567263.97	4216728.33	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
876	567256.06	4216722.82	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
877	567248.16	4216717.3	1.19E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
878	567240.25	4216711.79	1.16E-03	1.25E-03	1.00E-03	1.11E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
879	567232.34	4216706.27	1.12E-03	1.21E-03	9.73E-04	1.07E-03	1.18E-04	1.73E-04	1.02E-04	1.07E-04
880	567351.68	4216808.36	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.33E-04	1.39E-04
881	567361.55	4216824.12	1.48E-03	1.60E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
882	567376.36	4216847.76	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
883	567386.23	4216863.52	1.50E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.37E-04	1.43E-04
884	567391.17	4216871.39	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.37E-04	1.42E-04
885	567393.85	4216888.29	1.57E-03	1.69E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.43E-04	1.50E-04
886	567391.59	4216897.31	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
887	567384.84	4216924.37	1.95E-03	2.11E-03	1.69E-03	1.87E-03	2.05E-04	3.02E-04	1.78E-04	1.86E-04
888	567382.58	4216933.39	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.97E-04
889	567380.33	4216942.41	2.19E-03	2.37E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
890	567378.08	4216951.43	2.32E-03	2.50E-03	2.01E-03	2.21E-03	2.43E-04	3.59E-04	2.12E-04	2.21E-04
891	567375.82	4216960.45	2.45E-03	2.64E-03	2.12E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.33E-04
892	567373.57	4216969.47	2.59E-03	2.79E-03	2.25E-03	2.47E-03	2.72E-04	4.01E-04	2.36E-04	2.47E-04
893	567371.32	4216978.49	2.73E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.61E-04
894	567366.81	4216996.53	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
895	567364.56	4217005.55	3.16E-03	3.41E-03	2.74E-03	3.02E-03	3.31E-04	4.89E-04	2.88E-04	3.01E-04
896	567362.31	4217014.57	3.28E-03	3.54E-03	2.85E-03	3.13E-03	3.44E-04	5.08E-04	3.00E-04	3.13E-04
897	567309.23	4216747.7	1.25E-03	1.34E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
898	567301.32	4216742.19	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
899	567293.41	4216736.67	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
900	567285.51	4216731.16	1.20E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
901	567277.6	4216725.64	1.19E-03	1.28E-03	1.03E-03	1.13E-03	1.25E-04	1.84E-04	1.08E-04	1.13E-04
902	567269.69	4216720.13	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
903	567261.78	4216714.61	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
904	567253.88	4216709.1	1.11E-03	1.20E-03	9.64E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
905	567245.97	4216703.59	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.86E-05	1.03E-04
906	567238.06	4216698.07	1.05E-03	1.13E-03	9.08E-04	9.99E-04	1.10E-04	1.62E-04	9.56E-05	9.97E-05
907	567347.3	4216784.04	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
908	567352.19	4216791.84	1.33E-03	1.44E-03	1.16E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
909	567361.97	4216807.46	1.37E-03	1.47E-03	1.19E-03	1.30E-03	1.43E-04	2.11E-04	1.25E-04	1.30E-04
910	567366.86	4216815.26	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
911	567386.42	4216846.48	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.33E-04
912	567391.31	4216854.29	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.16E-04	1.27E-04	1.33E-04
913	567401.09	4216869.9	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.33E-04
914	567403.74	4216886.64	1.46E-03	1.57E-03	1.27E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04

915	567401.51	4216895.58	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
916	567394.82	4216922.38	1.80E-03	1.94E-03	1.56E-03	1.72E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04
917	567392.58	4216931.32	1.90E-03	2.05E-03	1.65E-03	1.81E-03	1.99E-04	2.94E-04	1.73E-04	1.81E-04
918	567390.35	4216940.26	2.01E-03	2.16E-03	1.74E-03	1.92E-03	2.10E-04	3.10E-04	1.83E-04	1.91E-04
919	567385.89	4216958.13	2.23E-03	2.40E-03	1.93E-03	2.13E-03	2.34E-04	3.45E-04	2.03E-04	2.12E-04
920	567383.66	4216967.06	2.34E-03	2.53E-03	2.03E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.23E-04
921	567381.42	4216976	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
922	567374.73	4217002.81	2.87E-03	3.09E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
923	567314.95	4216739.5	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
924	567307.04	4216733.98	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
925	567299.13	4216728.47	1.14E-03	1.23E-03	9.86E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
926	567291.23	4216722.95	1.12E-03	1.21E-03	9.73E-04	1.07E-03	1.18E-04	1.74E-04	1.02E-04	1.07E-04
927	567283.32	4216717.44	1.11E-03	1.20E-03	9.61E-04	1.06E-03	1.16E-04	1.71E-04	1.01E-04	1.06E-04
928	567275.41	4216711.93	1.09E-03	1.18E-03	9.46E-04	1.04E-03	1.14E-04	1.69E-04	9.95E-05	1.04E-04
929	567267.5	4216706.41	1.06E-03	1.15E-03	9.24E-04	1.02E-03	1.12E-04	1.65E-04	9.73E-05	1.02E-04
930	567259.6	4216700.9	1.04E-03	1.12E-03	9.00E-04	9.91E-04	1.09E-04	1.61E-04	9.48E-05	9.89E-05
931	567251.69	4216695.38	1.01E-03	1.09E-03	8.76E-04	9.64E-04	1.06E-04	1.56E-04	9.22E-05	9.62E-05
932	567220.06	4216673.33	8.89E-04	9.59E-04	7.71E-04	8.49E-04	9.32E-05	1.38E-04	8.12E-05	8.47E-05
933	567212.15	4216667.81	8.59E-04	9.27E-04	7.45E-04	8.21E-04	9.01E-05	1.33E-04	7.85E-05	8.19E-05
934	567347.97	4216767.77	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.26E-04	1.85E-04	1.09E-04	1.14E-04
935	567357.67	4216783.25	1.24E-03	1.34E-03	1.08E-03	1.19E-03	1.30E-04	1.92E-04	1.13E-04	1.18E-04
936	567367.36	4216798.73	1.27E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.97E-04	1.16E-04	1.21E-04
937	567372.21	4216806.47	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
938	567381.91	4216821.95	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
939	567391.61	4216837.43	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
940	567401.31	4216852.92	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
941	567411	4216868.4	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
942	567413.64	4216885	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.10E-04	1.24E-04	1.29E-04
943	567411.43	4216893.86	1.43E-03	1.54E-03	1.24E-03	1.36E-03	1.49E-04	2.21E-04	1.30E-04	1.36E-04
944	567404.79	4216920.44	1.66E-03	1.79E-03	1.44E-03	1.58E-03	1.74E-04	2.57E-04	1.51E-04	1.58E-04
945	567402.57	4216929.31	1.75E-03	1.89E-03	1.52E-03	1.67E-03	1.83E-04	2.71E-04	1.60E-04	1.67E-04
946	567398.15	4216947.03	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
947	567395.93	4216955.89	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.15E-04	1.86E-04	1.94E-04
948	567393.72	4216964.75	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
949	567389.29	4216982.47	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.48E-04	3.67E-04	2.16E-04	2.26E-04
950	567382.65	4217009.06	2.72E-03	2.93E-03	2.36E-03	2.59E-03	2.85E-04	4.20E-04	2.48E-04	2.59E-04
951	567380.44	4217017.92	2.82E-03	3.05E-03	2.45E-03	2.70E-03	2.96E-04	4.37E-04	2.58E-04	2.69E-04
952	567304.85	4216720.27	1.06E-03	1.15E-03	9.22E-04	1.02E-03	1.12E-04	1.65E-04	9.71E-05	1.01E-04
953	567296.95	4216714.75	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.62E-04	9.59E-05	1.00E-04
954	567289.04	4216709.24	1.04E-03	1.12E-03	8.99E-04	9.90E-04	1.09E-04	1.60E-04	9.46E-05	9.87E-05
955	567281.13	4216703.72	1.02E-03	1.10E-03	8.84E-04	9.73E-04	1.07E-04	1.58E-04	9.30E-05	9.71E-05
956	567273.22	4216698.21	9.96E-04	1.08E-03	8.64E-04	9.51E-04	1.04E-04	1.54E-04	9.10E-05	9.49E-05
957	567265.32	4216692.7	9.71E-04	1.05E-03	8.43E-04	9.28E-04	1.02E-04	1.50E-04	8.87E-05	9.26E-05
958	567233.69	4216670.64	8.63E-04	9.32E-04	7.49E-04	8.25E-04	9.06E-05	1.34E-04	7.89E-05	8.23E-05
959	567225.78	4216665.12	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.29E-04	7.64E-05	7.97E-05
960	567217.87	4216659.61	8.10E-04	8.75E-04	7.03E-04	7.74E-04	8.50E-05	1.25E-04	7.40E-05	7.72E-05
961	567339.37	4216736.72	1.05E-03	1.13E-03	9.10E-04	1.00E-03	1.10E-04	1.62E-04	9.58E-05	1.00E-04
962	567344.45	4216744.83	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.66E-04	9.83E-05	1.03E-04
963	567354.61	4216761.04	1.13E-03	1.21E-03	9.76E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
964	567359.69	4216769.15	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
965	567364.77	4216777.26	1.17E-03	1.26E-03	1.01E-03	1.11E-03	1.22E-04	1.81E-04	1.07E-04	1.11E-04
966	567369.85	4216785.37	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
967	567374.93	4216793.48	1.20E-03	1.30E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
968	567380.01	4216801.59	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.87E-04	1.11E-04	1.15E-04

969	567385.09	4216809.7	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
970	567390.17	4216817.81	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
971	567400.33	4216834.02	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
972	567405.41	4216842.13	1.22E-03	1.32E-03	1.06E-03	1.16E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
973	567410.49	4216850.24	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
974	567415.57	4216858.35	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
975	567420.65	4216866.46	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
976	567423.41	4216883.85	1.27E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.97E-04	1.16E-04	1.21E-04
977	567421.09	4216893.14	1.34E-03	1.44E-03	1.16E-03	1.28E-03	1.40E-04	2.07E-04	1.22E-04	1.27E-04
978	567414.14	4216920.99	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
979	567411.82	4216930.27	1.64E-03	1.77E-03	1.43E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.57E-04
980	567409.5	4216939.55	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.82E-04	2.68E-04	1.58E-04	1.65E-04
981	567407.18	4216948.84	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.66E-04	1.74E-04
982	567404.86	4216958.12	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
983	567402.54	4216967.4	2.01E-03	2.17E-03	1.75E-03	1.92E-03	2.11E-04	3.12E-04	1.84E-04	1.92E-04
984	567400.22	4216976.69	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.02E-04
985	567393.27	4217004.54	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.81E-04	2.25E-04	2.34E-04
986	567390.95	4217013.82	2.57E-03	2.77E-03	2.23E-03	2.45E-03	2.69E-04	3.97E-04	2.34E-04	2.45E-04
987	567334.29	4216728.61	1.02E-03	1.10E-03	8.86E-04	9.76E-04	1.07E-04	1.58E-04	9.33E-05	9.73E-05
988	567302.67	4216706.55	9.86E-04	1.06E-03	8.55E-04	9.42E-04	1.03E-04	1.53E-04	9.00E-05	9.40E-05
989	567294.76	4216701.04	9.73E-04	1.05E-03	8.44E-04	9.29E-04	1.02E-04	1.51E-04	8.88E-05	9.27E-05
990	567286.85	4216695.52	9.54E-04	1.03E-03	8.28E-04	9.12E-04	1.00E-04	1.48E-04	8.72E-05	9.10E-05
991	567278.94	4216690.01	9.34E-04	1.01E-03	8.10E-04	8.92E-04	9.79E-05	1.45E-04	8.53E-05	8.90E-05
992	567247.32	4216667.95	8.39E-04	9.05E-04	7.28E-04	8.01E-04	8.80E-05	1.30E-04	7.66E-05	7.99E-05
993	567239.41	4216662.44	8.14E-04	8.79E-04	7.06E-04	7.78E-04	8.54E-05	1.26E-04	7.44E-05	7.76E-05
994	567231.5	4216656.92	7.90E-04	8.53E-04	6.85E-04	7.55E-04	8.29E-05	1.22E-04	7.22E-05	7.53E-05
995	567223.59	4216651.41	7.66E-04	8.27E-04	6.65E-04	7.32E-04	8.03E-05	1.19E-04	7.00E-05	7.30E-05
996	567345.05	4216728.44	9.83E-04	1.06E-03	8.53E-04	9.39E-04	1.03E-04	1.52E-04	8.98E-05	9.37E-05
997	567350.08	4216736.47	1.01E-03	1.09E-03	8.75E-04	9.63E-04	1.06E-04	1.56E-04	9.21E-05	9.61E-05
998	567365.17	4216760.56	1.07E-03	1.16E-03	9.32E-04	1.03E-03	1.13E-04	1.66E-04	9.81E-05	1.02E-04
999	567370.2	4216768.59	1.09E-03	1.18E-03	9.48E-04	1.04E-03	1.15E-04	1.69E-04	9.98E-05	1.04E-04
1000	567375.23	4216776.62	1.11E-03	1.20E-03	9.62E-04	1.06E-03	1.16E-04	1.72E-04	1.01E-04	1.06E-04
1001	567380.26	4216784.66	1.13E-03	1.22E-03	9.79E-04	1.08E-03	1.18E-04	1.75E-04	1.03E-04	1.08E-04
1002	567385.29	4216792.69	1.14E-03	1.23E-03	9.86E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1003	567390.33	4216800.72	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
1004	567395.36	4216808.75	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1005	567400.39	4216816.78	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1006	567410.45	4216832.84	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
1007	567415.48	4216840.88	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1008	567420.51	4216848.91	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1009	567425.54	4216856.94	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1010	567430.57	4216864.97	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1011	567433.31	4216882.2	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
1012	567431.01	4216891.39	1.25E-03	1.35E-03	1.09E-03	1.19E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
1013	567428.72	4216900.59	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
1014	567424.12	4216918.97	1.45E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
1015	567421.83	4216928.17	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
1016	567419.53	4216937.36	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
1017	567417.23	4216946.56	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
1018	567414.94	4216955.75	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1019	567412.64	4216964.95	1.85E-03	2.00E-03	1.60E-03	1.77E-03	1.94E-04	2.86E-04	1.69E-04	1.76E-04
1020	567410.34	4216974.14	1.95E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.78E-04	1.85E-04
1021	567408.05	4216983.34	2.05E-03	2.21E-03	1.78E-03	1.95E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
1022	567401.16	4217010.92	2.35E-03	2.53E-03	2.04E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.24E-04

1023	567398.86	4217020.12	2.44E-03	2.64E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
1024	567340.01	4216720.4	9.59E-04	1.04E-03	8.32E-04	9.16E-04	1.01E-04	1.48E-04	8.76E-05	9.14E-05
1025	567332.11	4216714.89	9.55E-04	1.03E-03	8.28E-04	9.12E-04	1.00E-04	1.48E-04	8.72E-05	9.10E-05
1026	567324.2	4216709.38	9.48E-04	1.02E-03	8.23E-04	9.06E-04	9.95E-05	1.47E-04	8.66E-05	9.04E-05
1027	567300.48	4216692.83	9.14E-04	9.87E-04	7.93E-04	8.73E-04	9.59E-05	1.41E-04	8.35E-05	8.71E-05
1028	567292.57	4216687.32	8.97E-04	9.68E-04	7.78E-04	8.56E-04	9.40E-05	1.39E-04	8.19E-05	8.55E-05
1029	567260.94	4216665.26	8.14E-04	8.78E-04	7.06E-04	7.77E-04	8.53E-05	1.26E-04	7.43E-05	7.75E-05
1030	567253.04	4216659.75	7.92E-04	8.54E-04	6.87E-04	7.56E-04	8.30E-05	1.23E-04	7.23E-05	7.54E-05
1031	567245.13	4216654.23	7.69E-04	8.31E-04	6.68E-04	7.35E-04	8.07E-05	1.19E-04	7.03E-05	7.33E-05
1032	567237.22	4216648.72	7.47E-04	8.07E-04	6.49E-04	7.14E-04	7.84E-05	1.16E-04	6.83E-05	7.12E-05
1033	567229.31	4216643.2	7.26E-04	7.83E-04	6.30E-04	6.93E-04	7.61E-05	1.12E-04	6.63E-05	6.92E-05
1034	567350.72	4216720.16	9.25E-04	9.99E-04	8.03E-04	8.84E-04	9.70E-05	1.43E-04	8.45E-05	8.82E-05
1035	567355.71	4216728.13	9.47E-04	1.02E-03	8.21E-04	9.04E-04	9.93E-05	1.47E-04	8.65E-05	9.02E-05
1036	567360.7	4216736.09	9.69E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.85E-05	9.23E-05
1037	567370.67	4216752.01	1.01E-03	1.09E-03	8.75E-04	9.63E-04	1.06E-04	1.56E-04	9.21E-05	9.61E-05
1038	567375.66	4216759.97	1.03E-03	1.11E-03	8.90E-04	9.80E-04	1.08E-04	1.59E-04	9.37E-05	9.78E-05
1039	567380.65	4216767.93	1.05E-03	1.13E-03	9.08E-04	1.00E-03	1.10E-04	1.62E-04	9.56E-05	9.98E-05
1040	567385.63	4216775.89	1.06E-03	1.14E-03	9.19E-04	1.01E-03	1.11E-04	1.64E-04	9.68E-05	1.01E-04
1041	567390.62	4216783.86	1.07E-03	1.15E-03	9.28E-04	1.02E-03	1.12E-04	1.66E-04	9.77E-05	1.02E-04
1042	567395.61	4216791.82	1.08E-03	1.16E-03	9.34E-04	1.03E-03	1.13E-04	1.67E-04	9.83E-05	1.03E-04
1043	567400.6	4216799.78	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.87E-05	1.03E-04
1044	567410.57	4216815.7	1.08E-03	1.17E-03	9.38E-04	1.03E-03	1.13E-04	1.67E-04	9.87E-05	1.03E-04
1045	567420.55	4216831.63	1.08E-03	1.17E-03	9.39E-04	1.03E-03	1.13E-04	1.67E-04	9.88E-05	1.03E-04
1046	567425.53	4216839.59	1.08E-03	1.17E-03	9.38E-04	1.03E-03	1.13E-04	1.67E-04	9.88E-05	1.03E-04
1047	567430.52	4216847.55	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.86E-05	1.03E-04
1048	567435.51	4216855.51	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.86E-05	1.03E-04
1049	567440.49	4216863.47	1.08E-03	1.16E-03	9.36E-04	1.03E-03	1.13E-04	1.67E-04	9.85E-05	1.03E-04
1050	567443.21	4216880.55	1.12E-03	1.21E-03	9.75E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
1051	567440.93	4216889.66	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
1052	567438.65	4216898.78	1.23E-03	1.32E-03	1.06E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1053	567434.1	4216917.01	1.35E-03	1.45E-03	1.17E-03	1.29E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1054	567431.82	4216926.12	1.41E-03	1.52E-03	1.22E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
1055	567429.55	4216935.24	1.48E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.35E-04	1.41E-04
1056	567427.27	4216944.35	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
1057	567424.99	4216953.47	1.63E-03	1.76E-03	1.41E-03	1.55E-03	1.71E-04	2.52E-04	1.49E-04	1.55E-04
1058	567422.72	4216962.58	1.70E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.62E-04
1059	567420.44	4216971.69	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.63E-04	1.70E-04
1060	567418.16	4216980.81	1.88E-03	2.03E-03	1.63E-03	1.79E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
1061	567415.89	4216989.92	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
1062	567411.33	4217008.15	2.15E-03	2.32E-03	1.87E-03	2.06E-03	2.26E-04	3.33E-04	1.97E-04	2.05E-04
1063	567409.05	4217017.27	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
1064	567345.73	4216712.2	9.03E-04	9.75E-04	7.84E-04	8.63E-04	9.48E-05	1.40E-04	8.25E-05	8.61E-05
1065	567337.83	4216706.69	8.99E-04	9.70E-04	7.80E-04	8.59E-04	9.43E-05	1.39E-04	8.21E-05	8.57E-05
1066	567329.92	4216701.17	8.92E-04	9.63E-04	7.74E-04	8.52E-04	9.36E-05	1.38E-04	8.15E-05	8.51E-05
1067	567322.01	4216695.66	8.84E-04	9.54E-04	7.67E-04	8.44E-04	9.27E-05	1.37E-04	8.07E-05	8.42E-05
1068	567266.66	4216657.06	7.69E-04	8.30E-04	6.67E-04	7.34E-04	8.06E-05	1.19E-04	7.02E-05	7.33E-05
1069	567258.76	4216651.55	7.48E-04	8.08E-04	6.49E-04	7.15E-04	7.85E-05	1.16E-04	6.84E-05	7.13E-05
1070	567250.85	4216646.03	7.28E-04	7.86E-04	6.32E-04	6.96E-04	7.64E-05	1.13E-04	6.65E-05	6.94E-05
1071	567242.94	4216640.52	7.08E-04	7.65E-04	6.15E-04	6.77E-04	7.43E-05	1.10E-04	6.47E-05	6.75E-05
1072	567235.03	4216635	6.89E-04	7.43E-04	5.98E-04	6.58E-04	7.22E-05	1.07E-04	6.29E-05	6.57E-05
1073	567356.4	4216711.9	8.73E-04	9.43E-04	7.58E-04	8.34E-04	9.16E-05	1.35E-04	7.98E-05	8.32E-05
1074	567361.35	4216719.8	8.93E-04	9.64E-04	7.75E-04	8.53E-04	9.36E-05	1.38E-04	8.15E-05	8.51E-05
1075	567371.25	4216735.59	9.31E-04	1.00E-03	8.08E-04	8.89E-04	9.76E-05	1.44E-04	8.50E-05	8.87E-05
1076	567381.14	4216751.39	9.72E-04	1.05E-03	8.43E-04	9.28E-04	1.02E-04	1.50E-04	8.87E-05	9.26E-05

1077	567386.09	4216759.29	9.86E-04	1.06E-03	8.55E-04	9.41E-04	1.03E-04	1.53E-04	9.00E-05	9.39E-05
1078	567391.04	4216767.19	9.97E-04	1.08E-03	8.65E-04	9.53E-04	1.05E-04	1.54E-04	9.11E-05	9.51E-05
1079	567395.98	4216775.09	1.01E-03	1.09E-03	8.74E-04	9.62E-04	1.06E-04	1.56E-04	9.20E-05	9.60E-05
1080	567400.93	4216782.98	1.02E-03	1.10E-03	8.81E-04	9.70E-04	1.07E-04	1.57E-04	9.28E-05	9.68E-05
1081	567405.88	4216790.88	1.02E-03	1.10E-03	8.85E-04	9.75E-04	1.07E-04	1.58E-04	9.32E-05	9.72E-05
1082	567410.83	4216798.78	1.02E-03	1.10E-03	8.87E-04	9.77E-04	1.07E-04	1.58E-04	9.34E-05	9.75E-05
1083	567430.62	4216830.37	1.02E-03	1.10E-03	8.88E-04	9.77E-04	1.07E-04	1.58E-04	9.35E-05	9.75E-05
1084	567435.57	4216838.27	1.02E-03	1.10E-03	8.87E-04	9.76E-04	1.07E-04	1.58E-04	9.34E-05	9.74E-05
1085	567445.46	4216854.07	1.02E-03	1.10E-03	8.85E-04	9.74E-04	1.07E-04	1.58E-04	9.32E-05	9.72E-05
1086	567450.41	4216861.97	1.02E-03	1.10E-03	8.85E-04	9.74E-04	1.07E-04	1.58E-04	9.32E-05	9.72E-05
1087	567453.1	4216878.91	1.06E-03	1.14E-03	9.20E-04	1.01E-03	1.11E-04	1.64E-04	9.69E-05	1.01E-04
1088	567450.84	4216887.95	1.10E-03	1.19E-03	9.58E-04	1.05E-03	1.16E-04	1.71E-04	1.01E-04	1.05E-04
1089	567448.58	4216896.99	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
1090	567441.81	4216924.12	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.25E-04
1091	567439.55	4216933.16	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.13E-04	1.26E-04	1.31E-04
1092	567437.29	4216942.2	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.32E-04	1.37E-04
1093	567435.03	4216951.25	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.33E-04	1.38E-04	1.44E-04
1094	567432.77	4216960.29	1.57E-03	1.70E-03	1.37E-03	1.50E-03	1.65E-04	2.44E-04	1.44E-04	1.50E-04
1095	567430.51	4216969.33	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.55E-04	1.51E-04	1.57E-04
1096	567428.25	4216978.37	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
1097	567426	4216987.42	1.81E-03	1.96E-03	1.57E-03	1.73E-03	1.90E-04	2.81E-04	1.66E-04	1.73E-04
1098	567351.45	4216704	8.53E-04	9.21E-04	7.40E-04	8.15E-04	8.95E-05	1.32E-04	7.79E-05	8.13E-05
1099	567343.55	4216698.49	8.49E-04	9.16E-04	7.36E-04	8.11E-04	8.90E-05	1.31E-04	7.75E-05	8.09E-05
1100	567335.64	4216692.97	8.42E-04	9.09E-04	7.30E-04	8.04E-04	8.83E-05	1.30E-04	7.69E-05	8.02E-05
1101	567327.73	4216687.46	8.34E-04	9.00E-04	7.23E-04	7.96E-04	8.74E-05	1.29E-04	7.61E-05	7.95E-05
1102	567319.83	4216681.94	8.24E-04	8.90E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.85E-05
1103	567280.29	4216654.37	7.46E-04	8.05E-04	6.47E-04	7.13E-04	7.83E-05	1.15E-04	6.81E-05	7.11E-05
1104	567272.38	4216648.86	7.28E-04	7.85E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.65E-05	6.94E-05
1105	567264.48	4216643.34	7.09E-04	7.65E-04	6.15E-04	6.77E-04	7.43E-05	1.10E-04	6.47E-05	6.76E-05
1106	567256.57	4216637.83	6.90E-04	7.45E-04	5.99E-04	6.60E-04	7.24E-05	1.07E-04	6.31E-05	6.58E-05
1107	567248.66	4216632.31	6.72E-04	7.26E-04	5.83E-04	6.42E-04	7.05E-05	1.04E-04	6.14E-05	6.41E-05
1108	567240.75	4216626.8	6.54E-04	7.06E-04	5.68E-04	6.25E-04	6.86E-05	1.01E-04	5.98E-05	6.24E-05
1109	567362.09	4216703.64	8.26E-04	8.91E-04	7.16E-04	7.89E-04	8.66E-05	1.28E-04	7.54E-05	7.87E-05
1110	567367	4216711.48	8.44E-04	9.11E-04	7.32E-04	8.06E-04	8.85E-05	1.31E-04	7.71E-05	8.04E-05
1111	567371.91	4216719.32	8.61E-04	9.29E-04	7.47E-04	8.22E-04	9.03E-05	1.33E-04	7.86E-05	8.21E-05
1112	567381.73	4216735	9.01E-04	9.73E-04	7.82E-04	8.61E-04	9.45E-05	1.40E-04	8.23E-05	8.59E-05
1113	567396.47	4216758.53	9.41E-04	1.02E-03	8.16E-04	8.99E-04	9.87E-05	1.46E-04	8.59E-05	8.97E-05
1114	567401.38	4216766.37	9.51E-04	1.03E-03	8.25E-04	9.08E-04	9.97E-05	1.47E-04	8.68E-05	9.06E-05
1115	567411.2	4216782.05	9.64E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
1116	567416.12	4216789.89	9.69E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.85E-05	9.23E-05
1117	567425.94	4216805.57	9.71E-04	1.05E-03	8.43E-04	9.28E-04	1.02E-04	1.50E-04	8.87E-05	9.26E-05
1118	567445.59	4216836.93	9.68E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.84E-05	9.23E-05
1119	567450.5	4216844.78	9.67E-04	1.04E-03	8.39E-04	9.24E-04	1.01E-04	1.50E-04	8.84E-05	9.22E-05
1120	567460.32	4216860.46	9.67E-04	1.04E-03	8.39E-04	9.24E-04	1.01E-04	1.50E-04	8.84E-05	9.22E-05
1121	567462.99	4216877.27	1.00E-03	1.08E-03	8.71E-04	9.58E-04	1.05E-04	1.55E-04	9.17E-05	9.56E-05
1122	567460.75	4216886.25	1.04E-03	1.12E-03	9.04E-04	9.95E-04	1.09E-04	1.61E-04	9.51E-05	9.93E-05
1123	567451.78	4216922.16	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1124	567449.54	4216931.13	1.28E-03	1.39E-03	1.11E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.22E-04
1125	567447.3	4216940.11	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1126	567445.05	4216949.09	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.33E-04
1127	567442.81	4216958.06	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.34E-04	1.39E-04
1128	567440.57	4216967.04	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
1129	567438.33	4216976.02	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.47E-04	1.46E-04	1.52E-04
1130	567436.09	4216984.99	1.67E-03	1.81E-03	1.45E-03	1.60E-03	1.76E-04	2.59E-04	1.53E-04	1.60E-04

1131	567433.84	4216993.97	1.75E-03	1.89E-03	1.52E-03	1.67E-03	1.84E-04	2.71E-04	1.60E-04	1.67E-04
1132	567349.27	4216690.28	8.02E-04	8.66E-04	6.96E-04	7.66E-04	8.41E-05	1.24E-04	7.32E-05	7.64E-05
1133	567341.36	4216684.77	7.95E-04	8.58E-04	6.90E-04	7.59E-04	8.34E-05	1.23E-04	7.26E-05	7.58E-05
1134	567333.45	4216679.25	7.87E-04	8.50E-04	6.83E-04	7.52E-04	8.26E-05	1.22E-04	7.19E-05	7.50E-05
1135	567325.55	4216673.74	7.79E-04	8.41E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
1136	567293.92	4216651.68	7.23E-04	7.81E-04	6.27E-04	6.91E-04	7.59E-05	1.12E-04	6.61E-05	6.89E-05
1137	567286.01	4216646.17	7.07E-04	7.63E-04	6.13E-04	6.75E-04	7.42E-05	1.09E-04	6.46E-05	6.74E-05
1138	567278.1	4216640.65	6.90E-04	7.45E-04	5.99E-04	6.59E-04	7.24E-05	1.07E-04	6.30E-05	6.58E-05
1139	567270.2	4216635.14	6.73E-04	7.26E-04	5.84E-04	6.43E-04	7.06E-05	1.04E-04	6.15E-05	6.41E-05
1140	567262.29	4216629.63	6.56E-04	7.08E-04	5.69E-04	6.26E-04	6.88E-05	1.02E-04	5.99E-05	6.25E-05
1141	567254.38	4216624.11	6.39E-04	6.90E-04	5.55E-04	6.11E-04	6.71E-05	9.90E-05	5.84E-05	6.09E-05
1142	567246.48	4216618.6	6.23E-04	6.72E-04	5.40E-04	5.95E-04	6.53E-05	9.64E-05	5.69E-05	5.93E-05
1143	567368	4216695.74	7.82E-04	8.44E-04	6.79E-04	7.47E-04	8.21E-05	1.21E-04	7.15E-05	7.46E-05
1144	567373.1	4216703.88	8.00E-04	8.63E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.31E-05	7.62E-05
1145	567378.2	4216712.02	8.17E-04	8.81E-04	7.08E-04	7.80E-04	8.56E-05	1.26E-04	7.46E-05	7.78E-05
1146	567383.3	4216720.17	8.40E-04	9.06E-04	7.28E-04	8.02E-04	8.81E-05	1.30E-04	7.67E-05	8.00E-05
1147	567388.4	4216728.31	8.55E-04	9.23E-04	7.42E-04	8.17E-04	8.97E-05	1.32E-04	7.81E-05	8.15E-05
1148	567398.6	4216744.59	8.83E-04	9.53E-04	7.66E-04	8.43E-04	9.26E-05	1.37E-04	8.06E-05	8.41E-05
1149	567403.7	4216752.74	8.93E-04	9.64E-04	7.75E-04	8.53E-04	9.37E-05	1.38E-04	8.16E-05	8.51E-05
1150	567408.8	4216760.88	9.02E-04	9.73E-04	7.82E-04	8.61E-04	9.46E-05	1.40E-04	8.24E-05	8.59E-05
1151	567413.9	4216769.02	9.09E-04	9.81E-04	7.89E-04	8.68E-04	9.53E-05	1.41E-04	8.30E-05	8.66E-05
1152	567419	4216777.16	9.16E-04	9.88E-04	7.94E-04	8.75E-04	9.60E-05	1.42E-04	8.36E-05	8.73E-05
1153	567424.1	4216785.31	9.21E-04	9.94E-04	7.99E-04	8.79E-04	9.66E-05	1.43E-04	8.41E-05	8.78E-05
1154	567429.2	4216793.45	9.23E-04	9.96E-04	8.01E-04	8.81E-04	9.68E-05	1.43E-04	8.43E-05	8.80E-05
1155	567434.31	4216801.59	9.23E-04	9.97E-04	8.01E-04	8.82E-04	9.68E-05	1.43E-04	8.43E-05	8.80E-05
1156	567449.61	4216826.02	9.21E-04	9.94E-04	7.99E-04	8.80E-04	9.66E-05	1.43E-04	8.42E-05	8.78E-05
1157	567454.71	4216834.16	9.21E-04	9.94E-04	7.99E-04	8.80E-04	9.66E-05	1.43E-04	8.41E-05	8.78E-05
1158	567459.81	4216842.3	9.20E-04	9.93E-04	7.98E-04	8.78E-04	9.65E-05	1.42E-04	8.40E-05	8.77E-05
1159	567464.91	4216850.45	9.19E-04	9.92E-04	7.97E-04	8.78E-04	9.64E-05	1.42E-04	8.39E-05	8.76E-05
1160	567470.01	4216858.59	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
1161	567472.78	4216876.05	9.53E-04	1.03E-03	8.27E-04	9.10E-04	9.99E-05	1.47E-04	8.70E-05	9.08E-05
1162	567470.45	4216885.37	9.88E-04	1.07E-03	8.57E-04	9.44E-04	1.04E-04	1.53E-04	9.02E-05	9.42E-05
1163	567468.13	4216894.7	1.03E-03	1.11E-03	8.90E-04	9.80E-04	1.08E-04	1.59E-04	9.37E-05	9.78E-05
1164	567465.8	4216904.02	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
1165	567458.81	4216931.98	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
1166	567456.48	4216941.3	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.97E-04	1.16E-04	1.21E-04
1167	567454.16	4216950.63	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.06E-04	1.21E-04	1.27E-04
1168	567451.83	4216959.95	1.39E-03	1.50E-03	1.20E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
1169	567449.5	4216969.27	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.32E-04	1.38E-04
1170	567447.17	4216978.59	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
1171	567444.84	4216987.91	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
1172	567362.9	4216687.6	7.63E-04	8.24E-04	6.62E-04	7.29E-04	8.01E-05	1.18E-04	6.97E-05	7.27E-05
1173	567354.99	4216682.08	7.58E-04	8.18E-04	6.58E-04	7.24E-04	7.95E-05	1.17E-04	6.93E-05	7.23E-05
1174	567347.08	4216676.57	7.52E-04	8.11E-04	6.52E-04	7.18E-04	7.88E-05	1.16E-04	6.87E-05	7.16E-05
1175	567339.17	4216671.05	7.45E-04	8.04E-04	6.46E-04	7.11E-04	7.81E-05	1.15E-04	6.80E-05	7.10E-05
1176	567307.55	4216649	7.00E-04	7.56E-04	6.08E-04	6.69E-04	7.35E-05	1.08E-04	6.40E-05	6.67E-05
1177	567299.64	4216643.48	6.86E-04	7.40E-04	5.95E-04	6.55E-04	7.20E-05	1.06E-04	6.27E-05	6.54E-05
1178	567291.73	4216637.97	6.71E-04	7.24E-04	5.82E-04	6.41E-04	7.04E-05	1.04E-04	6.13E-05	6.40E-05
1179	567283.82	4216632.45	6.56E-04	7.08E-04	5.69E-04	6.26E-04	6.88E-05	1.01E-04	5.99E-05	6.25E-05
1180	567275.92	4216626.94	6.40E-04	6.91E-04	5.55E-04	6.11E-04	6.71E-05	9.91E-05	5.85E-05	6.10E-05
1181	567268.01	4216621.42	6.24E-04	6.74E-04	5.42E-04	5.96E-04	6.55E-05	9.66E-05	5.70E-05	5.95E-05
1182	567260.1	4216615.91	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.42E-05	5.56E-05	5.80E-05
1183	567252.2	4216610.4	5.94E-04	6.41E-04	5.15E-04	5.67E-04	6.23E-05	9.19E-05	5.42E-05	5.66E-05
1184	567373.68	4216687.47	7.41E-04	8.00E-04	6.43E-04	7.08E-04	7.77E-05	1.15E-04	6.77E-05	7.06E-05

1185	567378.73	4216695.55	7.58E-04	8.18E-04	6.57E-04	7.24E-04	7.95E-05	1.17E-04	6.92E-05	7.22E-05
1186	567383.79	4216703.62	7.73E-04	8.35E-04	6.71E-04	7.39E-04	8.11E-05	1.20E-04	7.06E-05	7.37E-05
1187	567388.85	4216711.7	7.89E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.52E-05
1188	567393.91	4216719.78	8.11E-04	8.75E-04	7.03E-04	7.74E-04	8.50E-05	1.25E-04	7.40E-05	7.73E-05
1189	567398.97	4216727.85	8.24E-04	8.90E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.86E-05
1190	567409.09	4216744.01	8.46E-04	9.14E-04	7.34E-04	8.09E-04	8.88E-05	1.31E-04	7.73E-05	8.07E-05
1191	567414.15	4216752.09	8.54E-04	9.22E-04	7.41E-04	8.16E-04	8.96E-05	1.32E-04	7.81E-05	8.14E-05
1192	567419.21	4216760.16	8.62E-04	9.30E-04	7.48E-04	8.23E-04	9.04E-05	1.33E-04	7.87E-05	8.21E-05
1193	567424.27	4216768.24	8.68E-04	9.37E-04	7.53E-04	8.29E-04	9.11E-05	1.34E-04	7.93E-05	8.28E-05
1194	567429.33	4216776.32	8.74E-04	9.43E-04	7.58E-04	8.34E-04	9.16E-05	1.35E-04	7.98E-05	8.33E-05
1195	567434.39	4216784.39	8.77E-04	9.47E-04	7.61E-04	8.38E-04	9.20E-05	1.36E-04	8.01E-05	8.36E-05
1196	567439.45	4216792.47	8.79E-04	9.49E-04	7.62E-04	8.39E-04	9.22E-05	1.36E-04	8.03E-05	8.38E-05
1197	567444.51	4216800.55	8.79E-04	9.49E-04	7.62E-04	8.39E-04	9.22E-05	1.36E-04	8.03E-05	8.38E-05
1198	567459.69	4216824.78	8.78E-04	9.47E-04	7.61E-04	8.38E-04	9.20E-05	1.36E-04	8.02E-05	8.36E-05
1199	567464.75	4216832.85	8.77E-04	9.46E-04	7.61E-04	8.37E-04	9.20E-05	1.36E-04	8.01E-05	8.36E-05
1200	567469.81	4216840.93	8.75E-04	9.45E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	8.00E-05	8.34E-05
1201	567474.87	4216849.01	8.74E-04	9.43E-04	7.58E-04	8.35E-04	9.17E-05	1.35E-04	7.98E-05	8.33E-05
1202	567479.93	4216857.09	8.73E-04	9.42E-04	7.57E-04	8.34E-04	9.15E-05	1.35E-04	7.97E-05	8.32E-05
1203	567482.68	4216874.41	9.02E-04	9.74E-04	7.83E-04	8.62E-04	9.46E-05	1.40E-04	8.24E-05	8.60E-05
1204	567480.37	4216883.66	9.35E-04	1.01E-03	8.11E-04	8.93E-04	9.81E-05	1.45E-04	8.54E-05	8.91E-05
1205	567478.06	4216892.9	9.69E-04	1.05E-03	8.41E-04	9.26E-04	1.02E-04	1.50E-04	8.85E-05	9.24E-05
1206	567475.75	4216902.15	1.01E-03	1.09E-03	8.73E-04	9.61E-04	1.05E-04	1.56E-04	9.19E-05	9.59E-05
1207	567468.82	4216929.89	1.14E-03	1.23E-03	9.88E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.09E-04
1208	567466.51	4216939.14	1.19E-03	1.28E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.13E-04
1209	567464.2	4216948.38	1.24E-03	1.34E-03	1.08E-03	1.18E-03	1.30E-04	1.92E-04	1.13E-04	1.18E-04
1210	567461.89	4216957.63	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
1211	567459.58	4216966.88	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.24E-04	1.29E-04
1212	567457.27	4216976.12	1.41E-03	1.53E-03	1.23E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
1213	567454.96	4216985.37	1.48E-03	1.60E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
1214	567452.65	4216994.62	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.39E-04	1.41E-04	1.47E-04
1215	567368.62	4216679.39	7.23E-04	7.81E-04	6.28E-04	6.91E-04	7.59E-05	1.12E-04	6.61E-05	6.89E-05
1216	567360.71	4216673.88	7.18E-04	7.75E-04	6.23E-04	6.86E-04	7.53E-05	1.11E-04	6.56E-05	6.85E-05
1217	567352.8	4216668.36	7.12E-04	7.68E-04	6.18E-04	6.80E-04	7.47E-05	1.10E-04	6.50E-05	6.78E-05
1218	567321.17	4216646.31	6.77E-04	7.31E-04	5.88E-04	6.47E-04	7.11E-05	1.05E-04	6.19E-05	6.46E-05
1219	567313.27	4216640.79	6.65E-04	7.18E-04	5.77E-04	6.35E-04	6.97E-05	1.03E-04	6.07E-05	6.34E-05
1220	567305.36	4216635.28	6.52E-04	7.04E-04	5.66E-04	6.23E-04	6.84E-05	1.01E-04	5.95E-05	6.21E-05
1221	567297.45	4216629.76	6.38E-04	6.89E-04	5.54E-04	6.09E-04	6.69E-05	9.88E-05	5.83E-05	6.08E-05
1222	567289.54	4216624.25	6.24E-04	6.73E-04	5.41E-04	5.96E-04	6.54E-05	9.66E-05	5.70E-05	5.95E-05
1223	567281.64	4216618.74	6.10E-04	6.58E-04	5.29E-04	5.82E-04	6.39E-05	9.44E-05	5.57E-05	5.81E-05
1224	567273.73	4216613.22	5.95E-04	6.42E-04	5.16E-04	5.68E-04	6.24E-05	9.21E-05	5.44E-05	5.67E-05
1225	567265.82	4216607.71	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.09E-05	8.99E-05	5.31E-05	5.54E-05
1226	567257.92	4216602.19	5.67E-04	6.12E-04	4.92E-04	5.41E-04	5.94E-05	8.77E-05	5.18E-05	5.40E-05
1227	567379.36	4216679.21	7.03E-04	7.59E-04	6.10E-04	6.72E-04	7.38E-05	1.09E-04	6.42E-05	6.70E-05
1228	567384.38	4216687.22	7.19E-04	7.76E-04	6.24E-04	6.87E-04	7.54E-05	1.11E-04	6.57E-05	6.85E-05
1229	567389.4	4216695.24	7.35E-04	7.93E-04	6.37E-04	7.02E-04	7.70E-05	1.14E-04	6.71E-05	7.00E-05
1230	567394.42	4216703.26	7.49E-04	8.09E-04	6.50E-04	7.16E-04	7.86E-05	1.16E-04	6.84E-05	7.14E-05
1231	567399.45	4216711.27	7.63E-04	8.24E-04	6.62E-04	7.29E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
1232	567404.47	4216719.29	7.82E-04	8.44E-04	6.79E-04	7.47E-04	8.21E-05	1.21E-04	7.15E-05	7.46E-05
1233	567409.49	4216727.31	7.94E-04	8.57E-04	6.89E-04	7.58E-04	8.33E-05	1.23E-04	7.25E-05	7.57E-05
1234	567419.53	4216743.34	8.12E-04	8.76E-04	7.04E-04	7.75E-04	8.52E-05	1.26E-04	7.42E-05	7.74E-05
1235	567424.56	4216751.36	8.19E-04	8.84E-04	7.10E-04	7.82E-04	8.59E-05	1.27E-04	7.48E-05	7.80E-05
1236	567429.58	4216759.38	8.25E-04	8.90E-04	7.16E-04	7.88E-04	8.65E-05	1.28E-04	7.53E-05	7.86E-05
1237	567434.6	4216767.39	8.30E-04	8.96E-04	7.20E-04	7.93E-04	8.71E-05	1.28E-04	7.58E-05	7.91E-05
1238	567439.62	4216775.41	8.34E-04	9.00E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05

1239	567444.64	4216783.43	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.30E-04	7.65E-05	7.98E-05
1240	567449.67	4216791.44	8.38E-04	9.05E-04	7.27E-04	8.00E-04	8.79E-05	1.30E-04	7.65E-05	7.99E-05
1241	567454.69	4216799.46	8.38E-04	9.05E-04	7.27E-04	8.01E-04	8.79E-05	1.30E-04	7.66E-05	7.99E-05
1242	567464.73	4216815.49	8.37E-04	9.04E-04	7.26E-04	8.00E-04	8.78E-05	1.30E-04	7.65E-05	7.98E-05
1243	567469.75	4216823.51	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.30E-04	7.64E-05	7.98E-05
1244	567474.78	4216831.53	8.36E-04	9.02E-04	7.25E-04	7.98E-04	8.77E-05	1.29E-04	7.63E-05	7.97E-05
1245	567479.8	4216839.54	8.34E-04	9.00E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05
1246	567484.82	4216847.56	8.32E-04	8.98E-04	7.22E-04	7.95E-04	8.73E-05	1.29E-04	7.60E-05	7.93E-05
1247	567489.84	4216855.58	8.30E-04	8.96E-04	7.20E-04	7.93E-04	8.71E-05	1.29E-04	7.59E-05	7.92E-05
1248	567492.57	4216872.77	8.56E-04	9.24E-04	7.42E-04	8.17E-04	8.98E-05	1.32E-04	7.82E-05	8.16E-05
1249	567490.28	4216881.95	8.86E-04	9.56E-04	7.69E-04	8.46E-04	9.29E-05	1.37E-04	8.09E-05	8.44E-05
1250	567487.99	4216891.13	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
1251	567485.69	4216900.31	9.52E-04	1.03E-03	8.26E-04	9.09E-04	9.99E-05	1.47E-04	8.70E-05	9.07E-05
1252	567483.4	4216909.48	9.88E-04	1.07E-03	8.57E-04	9.44E-04	1.04E-04	1.53E-04	9.02E-05	9.42E-05
1253	567476.52	4216937.02	1.11E-03	1.20E-03	9.67E-04	1.06E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
1254	567474.23	4216946.2	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
1255	567471.94	4216955.37	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.87E-04	1.11E-04	1.15E-04
1256	567469.65	4216964.55	1.26E-03	1.36E-03	1.10E-03	1.21E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
1257	567467.35	4216973.73	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.26E-04
1258	567465.06	4216982.91	1.38E-03	1.49E-03	1.19E-03	1.31E-03	1.44E-04	2.13E-04	1.26E-04	1.31E-04
1259	567462.77	4216992.09	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
1260	567460.48	4217001.26	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
1261	567374.34	4216671.19	6.87E-04	7.41E-04	5.96E-04	6.56E-04	7.21E-05	1.06E-04	6.27E-05	6.55E-05
1262	567366.43	4216665.68	6.82E-04	7.36E-04	5.92E-04	6.51E-04	7.15E-05	1.06E-04	6.23E-05	6.50E-05
1263	567334.8	4216643.62	6.53E-04	7.05E-04	5.66E-04	6.24E-04	6.85E-05	1.01E-04	5.96E-05	6.22E-05
1264	567326.89	4216638.1	6.44E-04	6.95E-04	5.59E-04	6.15E-04	6.75E-05	9.97E-05	5.88E-05	6.14E-05
1265	567318.99	4216632.59	6.33E-04	6.83E-04	5.49E-04	6.04E-04	6.63E-05	9.79E-05	5.78E-05	6.03E-05
1266	567311.08	4216627.08	6.20E-04	6.70E-04	5.38E-04	5.93E-04	6.51E-05	9.60E-05	5.67E-05	5.91E-05
1267	567303.17	4216621.56	6.08E-04	6.56E-04	5.27E-04	5.80E-04	6.37E-05	9.40E-05	5.55E-05	5.79E-05
1268	567295.26	4216616.05	5.94E-04	6.42E-04	5.16E-04	5.68E-04	6.24E-05	9.20E-05	5.43E-05	5.67E-05
1269	567287.36	4216610.53	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.10E-05	9.00E-05	5.31E-05	5.54E-05
1270	567279.45	4216605.02	5.68E-04	6.13E-04	4.93E-04	5.43E-04	5.96E-05	8.79E-05	5.19E-05	5.41E-05
1271	567271.54	4216599.5	5.55E-04	5.99E-04	4.81E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
1272	567263.64	4216593.99	5.41E-04	5.84E-04	4.70E-04	5.17E-04	5.68E-05	8.38E-05	4.95E-05	5.16E-05
1273	567385.04	4216670.95	6.69E-04	7.22E-04	5.80E-04	6.39E-04	7.02E-05	1.04E-04	6.11E-05	6.38E-05
1274	567390.03	4216678.91	6.84E-04	7.38E-04	5.93E-04	6.53E-04	7.17E-05	1.06E-04	6.25E-05	6.52E-05
1275	567395.02	4216686.87	6.98E-04	7.54E-04	6.06E-04	6.67E-04	7.32E-05	1.08E-04	6.38E-05	6.66E-05
1276	567400.01	4216694.83	7.12E-04	7.69E-04	6.18E-04	6.80E-04	7.47E-05	1.10E-04	6.51E-05	6.79E-05
1277	567404.99	4216702.8	7.25E-04	7.83E-04	6.29E-04	6.93E-04	7.61E-05	1.12E-04	6.63E-05	6.92E-05
1278	567409.98	4216710.76	7.38E-04	7.96E-04	6.40E-04	7.05E-04	7.74E-05	1.14E-04	6.74E-05	7.03E-05
1279	567429.93	4216742.6	7.79E-04	8.41E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
1280	567434.92	4216750.57	7.85E-04	8.47E-04	6.81E-04	7.50E-04	8.23E-05	1.21E-04	7.17E-05	7.48E-05
1281	567439.9	4216758.53	7.90E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.53E-05
1282	567444.89	4216766.49	7.94E-04	8.57E-04	6.89E-04	7.58E-04	8.33E-05	1.23E-04	7.25E-05	7.57E-05
1283	567449.88	4216774.45	7.97E-04	8.61E-04	6.92E-04	7.62E-04	8.36E-05	1.23E-04	7.28E-05	7.60E-05
1284	567454.87	4216782.41	7.99E-04	8.63E-04	6.93E-04	7.63E-04	8.38E-05	1.24E-04	7.30E-05	7.62E-05
1285	567459.85	4216790.37	8.00E-04	8.64E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.31E-05	7.62E-05
1286	567464.84	4216798.33	8.00E-04	8.64E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.31E-05	7.63E-05
1287	567474.82	4216814.26	8.00E-04	8.63E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.30E-05	7.62E-05
1288	567479.8	4216822.22	7.99E-04	8.62E-04	6.93E-04	7.63E-04	8.38E-05	1.24E-04	7.30E-05	7.61E-05
1289	567484.79	4216830.18	7.98E-04	8.61E-04	6.92E-04	7.62E-04	8.37E-05	1.23E-04	7.29E-05	7.60E-05
1290	567489.78	4216838.14	7.96E-04	8.59E-04	6.91E-04	7.60E-04	8.35E-05	1.23E-04	7.27E-05	7.59E-05
1291	567494.77	4216846.1	7.94E-04	8.57E-04	6.89E-04	7.58E-04	8.33E-05	1.23E-04	7.25E-05	7.57E-05
1292	567493.36	4216907.6	9.34E-04	1.01E-03	8.11E-04	8.92E-04	9.80E-05	1.45E-04	8.53E-05	8.91E-05

1293	567484.25	4216944.06	1.09E-03	1.18E-03	9.47E-04	1.04E-03	1.14E-04	1.69E-04	9.97E-05	1.04E-04
1294	567481.97	4216953.17	1.14E-03	1.23E-03	9.86E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1295	567479.7	4216962.29	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
1296	567477.42	4216971.4	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
1297	567475.14	4216980.52	1.28E-03	1.39E-03	1.11E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.22E-04
1298	567472.87	4216989.63	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.40E-04	2.07E-04	1.22E-04	1.28E-04
1299	567470.59	4216998.75	1.40E-03	1.51E-03	1.21E-03	1.33E-03	1.47E-04	2.16E-04	1.28E-04	1.33E-04
1300	567380.06	4216662.99	6.53E-04	7.05E-04	5.67E-04	6.24E-04	6.85E-05	1.01E-04	5.97E-05	6.23E-05
1301	567340.52	4216635.42	6.20E-04	6.70E-04	5.38E-04	5.93E-04	6.51E-05	9.60E-05	5.67E-05	5.91E-05
1302	567332.61	4216629.9	6.13E-04	6.62E-04	5.32E-04	5.85E-04	6.43E-05	9.49E-05	5.60E-05	5.84E-05
1303	567324.71	4216624.39	6.03E-04	6.50E-04	5.23E-04	5.76E-04	6.32E-05	9.33E-05	5.50E-05	5.74E-05
1304	567316.8	4216618.87	5.91E-04	6.38E-04	5.13E-04	5.65E-04	6.20E-05	9.15E-05	5.40E-05	5.64E-05
1305	567308.89	4216613.36	5.79E-04	6.25E-04	5.03E-04	5.53E-04	6.08E-05	8.97E-05	5.29E-05	5.52E-05
1306	567300.98	4216607.85	5.67E-04	6.12E-04	4.92E-04	5.42E-04	5.95E-05	8.78E-05	5.18E-05	5.41E-05
1307	567293.08	4216602.33	5.55E-04	5.99E-04	4.81E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
1308	567285.17	4216596.82	5.43E-04	5.86E-04	4.71E-04	5.18E-04	5.69E-05	8.40E-05	4.96E-05	5.17E-05
1309	567277.26	4216591.3	5.30E-04	5.72E-04	4.60E-04	5.07E-04	5.56E-05	8.21E-05	4.84E-05	5.05E-05
1310	567269.36	4216585.79	5.18E-04	5.59E-04	4.49E-04	4.95E-04	5.43E-05	8.02E-05	4.73E-05	4.94E-05
1311	567390.73	4216662.7	6.37E-04	6.88E-04	5.53E-04	6.09E-04	6.68E-05	9.86E-05	5.82E-05	6.07E-05
1312	567395.69	4216670.61	6.51E-04	7.03E-04	5.65E-04	6.22E-04	6.83E-05	1.01E-04	5.95E-05	6.21E-05
1313	567400.64	4216678.52	6.65E-04	7.18E-04	5.77E-04	6.35E-04	6.97E-05	1.03E-04	6.07E-05	6.34E-05
1314	567405.6	4216686.43	6.78E-04	7.32E-04	5.88E-04	6.48E-04	7.11E-05	1.05E-04	6.19E-05	6.46E-05
1315	567410.55	4216694.34	6.91E-04	7.45E-04	5.99E-04	6.60E-04	7.24E-05	1.07E-04	6.31E-05	6.58E-05
1316	567420.46	4216710.16	7.12E-04	7.69E-04	6.18E-04	6.80E-04	7.47E-05	1.10E-04	6.50E-05	6.79E-05
1317	567425.42	4216718.07	7.27E-04	7.85E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.64E-05	6.93E-05
1318	567435.33	4216733.89	7.41E-04	8.00E-04	6.43E-04	7.08E-04	7.78E-05	1.15E-04	6.77E-05	7.07E-05
1319	567440.29	4216741.8	7.47E-04	8.07E-04	6.48E-04	7.14E-04	7.84E-05	1.16E-04	6.83E-05	7.12E-05
1320	567450.2	4216757.62	7.57E-04	8.18E-04	6.57E-04	7.23E-04	7.94E-05	1.17E-04	6.92E-05	7.22E-05
1321	567455.15	4216765.53	7.61E-04	8.21E-04	6.60E-04	7.27E-04	7.98E-05	1.18E-04	6.95E-05	7.25E-05
1322	567460.11	4216773.44	7.63E-04	8.24E-04	6.62E-04	7.29E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
1323	567465.06	4216781.35	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.01E-05	1.18E-04	6.98E-05	7.28E-05
1324	567470.02	4216789.26	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.28E-05
1325	567474.97	4216797.18	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.29E-05
1326	567484.88	4216813	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.29E-05
1327	567489.84	4216820.91	7.64E-04	8.24E-04	6.62E-04	7.29E-04	8.01E-05	1.18E-04	6.97E-05	7.28E-05
1328	567494.79	4216828.82	7.62E-04	8.23E-04	6.61E-04	7.28E-04	7.99E-05	1.18E-04	6.96E-05	7.27E-05
1329	567492	4216951.02	1.07E-03	1.15E-03	9.27E-04	1.02E-03	1.12E-04	1.65E-04	9.76E-05	1.02E-04
1330	567489.73	4216960.08	1.11E-03	1.20E-03	9.65E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
1331	567487.47	4216969.13	1.16E-03	1.25E-03	1.00E-03	1.11E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
1332	567485.21	4216978.19	1.20E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
1333	567482.95	4216987.25	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.32E-04	1.94E-04	1.15E-04	1.20E-04
1334	567480.68	4216996.3	1.31E-03	1.41E-03	1.13E-03	1.25E-03	1.37E-04	2.02E-04	1.19E-04	1.24E-04
1335	567478.42	4217005.36	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
1336	567354.15	4216632.73	5.98E-04	6.46E-04	5.19E-04	5.71E-04	6.27E-05	9.26E-05	5.46E-05	5.70E-05
1337	567346.24	4216627.21	5.92E-04	6.39E-04	5.13E-04	5.65E-04	6.21E-05	9.16E-05	5.40E-05	5.64E-05
1338	567338.33	4216621.7	5.85E-04	6.31E-04	5.07E-04	5.58E-04	6.13E-05	9.05E-05	5.34E-05	5.57E-05
1339	567330.43	4216616.19	5.75E-04	6.20E-04	4.99E-04	5.49E-04	6.03E-05	8.90E-05	5.25E-05	5.48E-05
1340	567322.52	4216610.67	5.64E-04	6.09E-04	4.90E-04	5.39E-04	5.92E-05	8.73E-05	5.15E-05	5.38E-05
1341	567314.61	4216605.16	5.53E-04	5.97E-04	4.80E-04	5.29E-04	5.80E-05	8.57E-05	5.05E-05	5.27E-05
1342	567306.7	4216599.64	5.42E-04	5.85E-04	4.70E-04	5.18E-04	5.69E-05	8.39E-05	4.95E-05	5.17E-05
1343	567298.8	4216594.13	5.31E-04	5.73E-04	4.60E-04	5.07E-04	5.56E-05	8.21E-05	4.85E-05	5.06E-05
1344	567290.89	4216588.61	5.19E-04	5.60E-04	4.50E-04	4.96E-04	5.44E-05	8.03E-05	4.74E-05	4.95E-05
1345	567282.98	4216583.1	5.08E-04	5.48E-04	4.40E-04	4.85E-04	5.32E-05	7.86E-05	4.64E-05	4.84E-05
1346	567275.08	4216577.59	4.96E-04	5.36E-04	4.30E-04	4.74E-04	5.20E-05	7.68E-05	4.53E-05	4.73E-05

1347	567103.47	4216803.66	3.96E-03	4.28E-03	3.44E-03	3.78E-03	4.15E-04	6.13E-04	3.62E-04	3.78E-04
1348	567103.47	4216793.66	3.28E-03	3.54E-03	2.85E-03	3.14E-03	3.44E-04	5.08E-04	3.00E-04	3.13E-04
1349	567104.9	4216784.11	2.81E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
1350	567104.61	4216774.02	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.53E-04	3.74E-04	2.21E-04	2.30E-04
1351	567118.34	4216778.33	2.58E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.46E-04
1352	567104.42	4216763.96	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.21E-04	3.27E-04	1.93E-04	2.01E-04
1353	567117.77	4216768.15	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.46E-04	2.04E-04	2.13E-04
1354	567089.85	4216761.86	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
1355	567104.29	4216753.91	1.87E-03	2.01E-03	1.62E-03	1.78E-03	1.96E-04	2.89E-04	1.70E-04	1.78E-04
1356	567117.36	4216758.02	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.04E-04	1.80E-04	1.87E-04
1357	567130.44	4216762.13	2.08E-03	2.24E-03	1.80E-03	1.98E-03	2.18E-04	3.21E-04	1.90E-04	1.98E-04
1358	567089.85	4216751.86	1.82E-03	1.96E-03	1.57E-03	1.73E-03	1.90E-04	2.81E-04	1.66E-04	1.73E-04
1359	567105.1	4216744.17	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.52E-04	1.59E-04
1360	567119.81	4216748.79	1.77E-03	1.91E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1361	567134.52	4216753.42	1.87E-03	2.02E-03	1.62E-03	1.78E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
1362	567089.85	4216741.86	1.62E-03	1.75E-03	1.41E-03	1.55E-03	1.70E-04	2.51E-04	1.48E-04	1.55E-04
1363	567104.9	4216734.11	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
1364	567119.2	4216738.6	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.66E-04	2.44E-04	1.44E-04	1.51E-04
1365	567133.5	4216743.09	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
1366	567132.71	4216732.85	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
1367	567146.69	4216737.24	1.56E-03	1.69E-03	1.36E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
1368	567145.8	4216726.96	1.41E-03	1.52E-03	1.22E-03	1.35E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
1369	567089.85	4216711.86	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
1370	567105.19	4216704.2	1.13E-03	1.22E-03	9.84E-04	1.08E-03	1.19E-04	1.75E-04	1.04E-04	1.08E-04
1371	567089.85	4216701.86	1.11E-03	1.20E-03	9.61E-04	1.06E-03	1.16E-04	1.72E-04	1.01E-04	1.06E-04
1372	567105.03	4216694.15	1.04E-03	1.13E-03	9.04E-04	9.96E-04	1.09E-04	1.61E-04	9.52E-05	9.94E-05
1373	567119.59	4216698.72	1.09E-03	1.17E-03	9.43E-04	1.04E-03	1.14E-04	1.68E-04	9.93E-05	1.04E-04
1374	567134.15	4216703.3	1.14E-03	1.23E-03	9.85E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1375	567089.85	4216691.86	1.02E-03	1.10E-03	8.85E-04	9.75E-04	1.07E-04	1.58E-04	9.32E-05	9.73E-05
1376	567104.9	4216684.11	9.63E-04	1.04E-03	8.36E-04	9.20E-04	1.01E-04	1.49E-04	8.80E-05	9.18E-05
1377	567119.2	4216688.6	1.00E-03	1.08E-03	8.69E-04	9.57E-04	1.05E-04	1.55E-04	9.15E-05	9.55E-05
1378	567133.5	4216693.09	1.04E-03	1.13E-03	9.05E-04	9.97E-04	1.09E-04	1.62E-04	9.53E-05	9.95E-05
1379	567147.8	4216697.59	1.09E-03	1.17E-03	9.43E-04	1.04E-03	1.14E-04	1.68E-04	9.93E-05	1.04E-04
1380	567089.85	4216681.86	9.44E-04	1.02E-03	8.19E-04	9.01E-04	9.90E-05	1.46E-04	8.62E-05	8.99E-05
1381	567104.79	4216674.07	8.94E-04	9.65E-04	7.75E-04	8.54E-04	9.37E-05	1.38E-04	8.16E-05	8.52E-05
1382	567118.87	4216678.5	9.27E-04	1.00E-03	8.04E-04	8.86E-04	9.73E-05	1.44E-04	8.47E-05	8.84E-05
1383	567132.95	4216682.92	9.63E-04	1.04E-03	8.35E-04	9.20E-04	1.01E-04	1.49E-04	8.80E-05	9.18E-05
1384	567147.03	4216687.35	1.00E-03	1.08E-03	8.68E-04	9.56E-04	1.05E-04	1.55E-04	9.14E-05	9.53E-05
1385	567161.11	4216691.77	1.04E-03	1.12E-03	9.00E-04	9.91E-04	1.09E-04	1.61E-04	9.48E-05	9.89E-05
1386	567089.85	4216671.86	8.76E-04	9.45E-04	7.60E-04	8.36E-04	9.18E-05	1.36E-04	8.00E-05	8.35E-05
1387	567105.23	4216664.21	8.33E-04	8.99E-04	7.23E-04	7.96E-04	8.74E-05	1.29E-04	7.61E-05	7.94E-05
1388	567120.19	4216668.91	8.65E-04	9.34E-04	7.51E-04	8.26E-04	9.07E-05	1.34E-04	7.90E-05	8.25E-05
1389	567135.15	4216673.61	8.99E-04	9.70E-04	7.80E-04	8.58E-04	9.42E-05	1.39E-04	8.21E-05	8.56E-05
1390	567150.11	4216678.31	9.33E-04	1.01E-03	8.10E-04	8.92E-04	9.79E-05	1.44E-04	8.53E-05	8.90E-05
1391	567165.07	4216683.02	9.69E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.85E-05	9.23E-05
1392	567180.03	4216687.72	1.00E-03	1.08E-03	8.71E-04	9.59E-04	1.05E-04	1.55E-04	9.17E-05	9.57E-05
1393	567089.85	4216661.86	8.16E-04	8.80E-04	7.08E-04	7.79E-04	8.56E-05	1.26E-04	7.45E-05	7.77E-05
1394	567105.1	4216654.17	7.77E-04	8.39E-04	6.74E-04	7.42E-04	8.15E-05	1.20E-04	7.10E-05	7.41E-05
1395	567119.81	4216658.79	8.06E-04	8.70E-04	6.99E-04	7.69E-04	8.45E-05	1.25E-04	7.36E-05	7.68E-05
1396	567134.52	4216663.42	8.35E-04	9.01E-04	7.24E-04	7.98E-04	8.76E-05	1.29E-04	7.63E-05	7.96E-05
1397	567149.23	4216668.04	8.65E-04	9.34E-04	7.51E-04	8.27E-04	9.08E-05	1.34E-04	7.91E-05	8.25E-05
1398	567163.94	4216672.66	8.96E-04	9.67E-04	7.78E-04	8.56E-04	9.40E-05	1.39E-04	8.19E-05	8.54E-05
1399	567178.65	4216677.28	9.27E-04	1.00E-03	8.04E-04	8.86E-04	9.73E-05	1.44E-04	8.47E-05	8.84E-05
1400	567089.85	4216651.86	7.62E-04	8.23E-04	6.62E-04	7.28E-04	8.00E-05	1.18E-04	6.96E-05	7.27E-05

1401	567105	4216644.14	7.28E-04	7.85E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.65E-05	6.93E-05
1402	567119.49	4216648.69	7.52E-04	8.12E-04	6.53E-04	7.19E-04	7.89E-05	1.16E-04	6.87E-05	7.17E-05
1403	567133.98	4216653.24	7.78E-04	8.40E-04	6.75E-04	7.43E-04	8.16E-05	1.20E-04	7.11E-05	7.42E-05
1404	567148.47	4216657.8	8.05E-04	8.69E-04	6.99E-04	7.69E-04	8.45E-05	1.25E-04	7.36E-05	7.68E-05
1405	567162.96	4216662.35	8.33E-04	8.99E-04	7.23E-04	7.95E-04	8.73E-05	1.29E-04	7.61E-05	7.94E-05
1406	567177.45	4216666.91	8.60E-04	9.28E-04	7.46E-04	8.21E-04	9.02E-05	1.33E-04	7.86E-05	8.20E-05
1407	567191.94	4216671.46	8.87E-04	9.58E-04	7.70E-04	8.48E-04	9.31E-05	1.37E-04	8.11E-05	8.46E-05
1408	567089.85	4216641.86	7.15E-04	7.71E-04	6.20E-04	6.83E-04	7.50E-05	1.11E-04	6.53E-05	6.81E-05
1409	567104.9	4216634.11	6.83E-04	7.37E-04	5.93E-04	6.52E-04	7.16E-05	1.06E-04	6.24E-05	6.51E-05
1410	567119.2	4216638.6	7.05E-04	7.61E-04	6.11E-04	6.73E-04	7.39E-05	1.09E-04	6.44E-05	6.72E-05
1411	567133.5	4216643.09	7.28E-04	7.86E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.65E-05	6.94E-05
1412	567147.8	4216647.59	7.52E-04	8.12E-04	6.52E-04	7.18E-04	7.89E-05	1.16E-04	6.87E-05	7.17E-05
1413	567162.1	4216652.08	7.77E-04	8.39E-04	6.74E-04	7.42E-04	8.15E-05	1.20E-04	7.10E-05	7.40E-05
1414	567176.4	4216656.58	8.01E-04	8.65E-04	6.95E-04	7.65E-04	8.40E-05	1.24E-04	7.32E-05	7.64E-05
1415	567190.7	4216661.07	8.25E-04	8.91E-04	7.16E-04	7.88E-04	8.66E-05	1.28E-04	7.54E-05	7.87E-05
1416	567089.85	4216631.86	6.71E-04	7.25E-04	5.83E-04	6.41E-04	7.04E-05	1.04E-04	6.13E-05	6.40E-05
1417	567105.26	4216624.22	6.44E-04	6.95E-04	5.58E-04	6.15E-04	6.75E-05	9.96E-05	5.88E-05	6.13E-05
1418	567120.27	4216628.94	6.64E-04	7.17E-04	5.76E-04	6.35E-04	6.97E-05	1.03E-04	6.07E-05	6.33E-05
1419	567135.29	4216633.66	6.86E-04	7.41E-04	5.95E-04	6.55E-04	7.20E-05	1.06E-04	6.27E-05	6.54E-05
1420	567150.3	4216638.38	7.09E-04	7.66E-04	6.15E-04	6.78E-04	7.44E-05	1.10E-04	6.48E-05	6.76E-05
1421	567165.32	4216643.09	7.33E-04	7.92E-04	6.36E-04	7.00E-04	7.69E-05	1.13E-04	6.70E-05	6.99E-05
1422	567180.34	4216647.81	7.57E-04	8.17E-04	6.56E-04	7.23E-04	7.93E-05	1.17E-04	6.91E-05	7.21E-05
1423	567089.85	4216621.86	6.32E-04	6.82E-04	5.48E-04	6.04E-04	6.63E-05	9.78E-05	5.77E-05	6.02E-05
1424	567105.15	4216614.19	6.07E-04	6.55E-04	5.27E-04	5.80E-04	6.37E-05	9.40E-05	5.55E-05	5.79E-05
1425	567119.96	4216618.84	6.26E-04	6.76E-04	5.43E-04	5.98E-04	6.57E-05	9.69E-05	5.72E-05	5.97E-05
1426	567134.76	4216623.49	6.46E-04	6.97E-04	5.60E-04	6.17E-04	6.77E-05	9.99E-05	5.90E-05	6.15E-05
1427	567149.57	4216628.14	6.66E-04	7.19E-04	5.78E-04	6.36E-04	6.99E-05	1.03E-04	6.08E-05	6.35E-05
1428	567164.37	4216632.8	6.88E-04	7.42E-04	5.96E-04	6.57E-04	7.21E-05	1.06E-04	6.28E-05	6.55E-05
1429	567179.18	4216637.45	7.09E-04	7.65E-04	6.15E-04	6.77E-04	7.43E-05	1.10E-04	6.47E-05	6.75E-05
1430	567208.79	4216646.75	7.48E-04	8.07E-04	6.49E-04	7.14E-04	7.84E-05	1.16E-04	6.83E-05	7.13E-05
1431	567119.68	4216608.75	5.91E-04	6.38E-04	5.13E-04	5.65E-04	6.20E-05	9.15E-05	5.40E-05	5.64E-05
1432	567134.3	4216613.34	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.43E-05	5.56E-05	5.80E-05
1433	567148.91	4216617.94	6.27E-04	6.77E-04	5.44E-04	5.99E-04	6.58E-05	9.71E-05	5.73E-05	5.98E-05
1434	567163.53	4216622.53	6.46E-04	6.97E-04	5.61E-04	6.17E-04	6.78E-05	1.00E-04	5.90E-05	6.16E-05
1435	567178.15	4216627.13	6.65E-04	7.18E-04	5.77E-04	6.35E-04	6.98E-05	1.03E-04	6.08E-05	6.34E-05
1436	567207.39	4216636.31	7.01E-04	7.56E-04	6.08E-04	6.69E-04	7.35E-05	1.08E-04	6.40E-05	6.68E-05
1437	567104.98	4216594.13	5.43E-04	5.87E-04	4.71E-04	5.19E-04	5.70E-05	8.41E-05	4.96E-05	5.18E-05
1438	567148.33	4216607.75	5.92E-04	6.39E-04	5.14E-04	5.66E-04	6.21E-05	9.16E-05	5.41E-05	5.64E-05
1439	567162.78	4216612.3	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.42E-05	5.56E-05	5.80E-05
1440	567177.23	4216616.84	6.26E-04	6.75E-04	5.43E-04	5.98E-04	6.56E-05	9.69E-05	5.72E-05	5.96E-05
1441	567206.13	4216625.92	6.58E-04	7.10E-04	5.71E-04	6.29E-04	6.90E-05	1.02E-04	6.01E-05	6.27E-05
1442	567220.58	4216630.46	6.74E-04	7.28E-04	5.85E-04	6.44E-04	7.07E-05	1.04E-04	6.16E-05	6.43E-05
1443	567089.85	4216591.86	5.35E-04	5.77E-04	4.64E-04	5.11E-04	5.61E-05	8.27E-05	4.88E-05	5.10E-05
1444	567105.28	4216584.23	5.16E-04	5.57E-04	4.48E-04	4.93E-04	5.41E-05	7.98E-05	4.71E-05	4.92E-05
1445	567120.33	4216588.96	5.31E-04	5.73E-04	4.61E-04	5.07E-04	5.57E-05	8.22E-05	4.85E-05	5.06E-05
1446	567165.49	4216603.15	5.79E-04	6.25E-04	5.02E-04	5.53E-04	6.07E-05	8.96E-05	5.29E-05	5.52E-05
1447	567195.6	4216612.61	6.10E-04	6.59E-04	5.29E-04	5.83E-04	6.40E-05	9.44E-05	5.57E-05	5.82E-05
1448	567210.65	4216617.34	6.26E-04	6.75E-04	5.43E-04	5.98E-04	6.56E-05	9.68E-05	5.71E-05	5.96E-05
1449	567225.7	4216622.07	6.41E-04	6.92E-04	5.56E-04	6.12E-04	6.72E-05	9.92E-05	5.85E-05	6.11E-05
1450	567089.85	4216581.86	5.08E-04	5.48E-04	4.40E-04	4.85E-04	5.32E-05	7.86E-05	4.64E-05	4.84E-05
1451	567105.19	4216574.2	4.90E-04	5.29E-04	4.25E-04	4.68E-04	5.14E-05	7.59E-05	4.48E-05	4.67E-05
1452	567120.06	4216578.87	5.04E-04	5.44E-04	4.37E-04	4.82E-04	5.29E-05	7.80E-05	4.60E-05	4.80E-05
1453	567134.93	4216583.54	5.19E-04	5.60E-04	4.50E-04	4.96E-04	5.44E-05	8.03E-05	4.74E-05	4.95E-05
1454	567194.42	4216602.24	5.76E-04	6.22E-04	5.00E-04	5.50E-04	6.04E-05	8.92E-05	5.26E-05	5.49E-05

1455	567209.29	4216606.91	5.90E-04	6.37E-04	5.12E-04	5.63E-04	6.19E-05	9.13E-05	5.39E-05	5.62E-05
1456	567224.17	4216611.59	6.04E-04	6.52E-04	5.24E-04	5.77E-04	6.33E-05	9.35E-05	5.52E-05	5.76E-05
1457	567089.85	4216571.86	4.83E-04	5.21E-04	4.19E-04	4.61E-04	5.06E-05	7.47E-05	4.41E-05	4.60E-05
1458	567105.1	4216564.17	4.67E-04	5.04E-04	4.05E-04	4.46E-04	4.90E-05	7.22E-05	4.26E-05	4.45E-05
1459	567119.81	4216568.79	4.79E-04	5.18E-04	4.16E-04	4.58E-04	5.03E-05	7.42E-05	4.38E-05	4.57E-05
1460	567134.52	4216573.42	4.93E-04	5.32E-04	4.28E-04	4.71E-04	5.17E-05	7.63E-05	4.50E-05	4.70E-05
1461	567149.23	4216578.04	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.31E-05	7.84E-05	4.63E-05	4.83E-05
1462	567193.36	4216591.91	5.45E-04	5.89E-04	4.73E-04	5.21E-04	5.72E-05	8.44E-05	4.98E-05	5.20E-05
1463	567208.07	4216596.53	5.58E-04	6.02E-04	4.84E-04	5.33E-04	5.85E-05	8.64E-05	5.10E-05	5.32E-05
1464	567222.78	4216601.15	5.70E-04	6.16E-04	4.95E-04	5.45E-04	5.98E-05	8.83E-05	5.21E-05	5.44E-05
1465	567237.49	4216605.77	5.82E-04	6.29E-04	5.05E-04	5.56E-04	6.11E-05	9.02E-05	5.32E-05	5.55E-05
1466	567089.85	4216561.86	4.60E-04	4.96E-04	3.99E-04	4.39E-04	4.82E-05	7.11E-05	4.20E-05	4.38E-05
1467	567105.03	4216554.15	4.45E-04	4.80E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.07E-05	4.24E-05
1468	567119.59	4216558.72	4.57E-04	4.93E-04	3.96E-04	4.36E-04	4.79E-05	7.07E-05	4.17E-05	4.35E-05
1469	567134.15	4216563.3	4.69E-04	5.06E-04	4.07E-04	4.48E-04	4.92E-05	7.26E-05	4.28E-05	4.47E-05
1470	567148.71	4216567.87	4.81E-04	5.20E-04	4.18E-04	4.60E-04	5.05E-05	7.45E-05	4.40E-05	4.59E-05
1471	567163.27	4216572.45	4.94E-04	5.33E-04	4.28E-04	4.72E-04	5.18E-05	7.64E-05	4.51E-05	4.71E-05
1472	567206.95	4216586.18	5.29E-04	5.71E-04	4.59E-04	5.05E-04	5.55E-05	8.19E-05	4.83E-05	5.04E-05
1473	567221.51	4216590.75	5.40E-04	5.83E-04	4.69E-04	5.16E-04	5.66E-05	8.36E-05	4.93E-05	5.15E-05
1474	567236.07	4216595.33	5.51E-04	5.95E-04	4.78E-04	5.26E-04	5.78E-05	8.53E-05	5.03E-05	5.25E-05
1475	567089.85	4216551.86	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.78E-05	4.00E-05	4.18E-05
1476	567104.96	4216544.13	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
1477	567119.39	4216548.66	4.36E-04	4.71E-04	3.78E-04	4.16E-04	4.57E-05	6.75E-05	3.98E-05	4.15E-05
1478	567133.81	4216553.19	4.47E-04	4.82E-04	3.88E-04	4.27E-04	4.69E-05	6.92E-05	4.08E-05	4.26E-05
1479	567148.24	4216557.73	4.58E-04	4.95E-04	3.98E-04	4.38E-04	4.81E-05	7.09E-05	4.19E-05	4.37E-05
1480	567162.66	4216562.26	4.69E-04	5.07E-04	4.07E-04	4.48E-04	4.92E-05	7.27E-05	4.29E-05	4.47E-05
1481	567177.09	4216566.79	4.81E-04	5.19E-04	4.17E-04	4.59E-04	5.04E-05	7.44E-05	4.39E-05	4.58E-05
1482	567205.94	4216575.86	5.02E-04	5.42E-04	4.36E-04	4.80E-04	5.27E-05	7.77E-05	4.59E-05	4.79E-05
1483	567220.36	4216580.39	5.12E-04	5.53E-04	4.45E-04	4.89E-04	5.37E-05	7.93E-05	4.68E-05	4.88E-05
1484	567234.79	4216584.92	5.22E-04	5.64E-04	4.53E-04	4.99E-04	5.48E-05	8.08E-05	4.77E-05	4.98E-05
1485	567249.21	4216589.46	5.32E-04	5.74E-04	4.62E-04	5.08E-04	5.58E-05	8.24E-05	4.86E-05	5.07E-05
1486	567089.85	4216541.86	4.18E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.82E-05	3.99E-05
1487	567105.21	4216534.2	4.06E-04	4.39E-04	3.53E-04	3.88E-04	4.26E-05	6.29E-05	3.71E-05	3.87E-05
1488	567120.13	4216538.89	4.17E-04	4.50E-04	3.62E-04	3.98E-04	4.37E-05	6.45E-05	3.81E-05	3.97E-05
1489	567135.06	4216543.58	4.28E-04	4.62E-04	3.71E-04	4.08E-04	4.49E-05	6.62E-05	3.91E-05	4.08E-05
1490	567149.98	4216548.27	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.79E-05	4.00E-05	4.18E-05
1491	567164.9	4216552.96	4.49E-04	4.85E-04	3.90E-04	4.29E-04	4.71E-05	6.95E-05	4.10E-05	4.28E-05
1492	567179.82	4216557.65	4.60E-04	4.97E-04	3.99E-04	4.39E-04	4.83E-05	7.12E-05	4.20E-05	4.39E-05
1493	567194.74	4216562.34	4.71E-04	5.08E-04	4.08E-04	4.50E-04	4.94E-05	7.29E-05	4.30E-05	4.49E-05
1494	567209.67	4216567.03	4.81E-04	5.19E-04	4.17E-04	4.59E-04	5.04E-05	7.44E-05	4.39E-05	4.58E-05
1495	567224.59	4216571.72	4.90E-04	5.29E-04	4.26E-04	4.68E-04	5.14E-05	7.59E-05	4.48E-05	4.67E-05
1496	567239.51	4216576.41	5.00E-04	5.40E-04	4.34E-04	4.77E-04	5.24E-05	7.74E-05	4.57E-05	4.76E-05
1497	567254.43	4216581.1	5.09E-04	5.50E-04	4.42E-04	4.86E-04	5.34E-05	7.88E-05	4.65E-05	4.85E-05
1498	567089.85	4216531.86	4.00E-04	4.32E-04	3.47E-04	3.82E-04	4.20E-05	6.20E-05	3.66E-05	3.82E-05
1499	567105.14	4216524.18	3.89E-04	4.20E-04	3.37E-04	3.71E-04	4.08E-05	6.02E-05	3.55E-05	3.71E-05
1500	567119.92	4216528.83	3.99E-04	4.30E-04	3.46E-04	3.81E-04	4.18E-05	6.17E-05	3.64E-05	3.80E-05
1501	567134.69	4216533.47	4.09E-04	4.41E-04	3.55E-04	3.90E-04	4.29E-05	6.33E-05	3.73E-05	3.90E-05
1502	567149.47	4216538.11	4.19E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.82E-05	3.99E-05
1503	567164.25	4216542.76	4.29E-04	4.63E-04	3.72E-04	4.09E-04	4.49E-05	6.63E-05	3.91E-05	4.08E-05
1504	567179.02	4216547.4	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.79E-05	4.01E-05	4.18E-05
1505	567193.8	4216552.04	4.49E-04	4.84E-04	3.89E-04	4.28E-04	4.71E-05	6.94E-05	4.10E-05	4.28E-05
1506	567208.58	4216556.69	4.58E-04	4.94E-04	3.97E-04	4.38E-04	4.80E-05	7.09E-05	4.18E-05	4.37E-05
1507	567223.36	4216561.33	4.67E-04	5.04E-04	4.05E-04	4.46E-04	4.90E-05	7.23E-05	4.26E-05	4.45E-05
1508	567238.13	4216565.98	4.76E-04	5.13E-04	4.13E-04	4.54E-04	4.99E-05	7.36E-05	4.34E-05	4.53E-05

1509	567252.91	4216570.62	4.84E-04	5.23E-04	4.20E-04	4.62E-04	5.08E-05	7.49E-05	4.42E-05	4.61E-05
1510	567089.85	4216521.86	3.83E-04	4.14E-04	3.33E-04	3.66E-04	4.02E-05	5.93E-05	3.50E-05	3.65E-05
1511	567073.65	4216820.13	5.56E-03	6.00E-03	4.83E-03	5.31E-03	5.83E-04	8.61E-04	5.08E-04	5.30E-04
1512	567067.94	4216828.01	6.65E-03	7.18E-03	5.77E-03	6.36E-03	6.98E-04	1.03E-03	6.08E-04	6.34E-04
1513	567062.23	4216835.9	7.87E-03	8.49E-03	6.83E-03	7.51E-03	8.25E-04	1.22E-03	7.19E-04	7.50E-04
1514	567056.52	4216843.78	9.09E-03	9.81E-03	7.88E-03	8.68E-03	9.53E-04	1.41E-03	8.30E-04	8.66E-04
1515	567050.8	4216851.67	1.02E-02	1.10E-02	8.82E-03	9.72E-03	1.07E-03	1.57E-03	9.29E-04	9.69E-04
1516	567045.09	4216859.55	1.11E-02	1.20E-02	9.62E-03	1.06E-02	1.16E-03	1.72E-03	1.01E-03	1.06E-03
1517	567039.38	4216867.44	1.19E-02	1.28E-02	1.03E-02	1.13E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
1518	567033.67	4216875.32	1.25E-02	1.35E-02	1.09E-02	1.20E-02	1.31E-03	1.94E-03	1.14E-03	1.19E-03
1519	567027.96	4216883.21	1.31E-02	1.42E-02	1.14E-02	1.25E-02	1.38E-03	2.03E-03	1.20E-03	1.25E-03
1520	567022.24	4216891.09	1.36E-02	1.47E-02	1.18E-02	1.30E-02	1.43E-03	2.11E-03	1.25E-03	1.30E-03
1521	567016.53	4216898.98	1.40E-02	1.51E-02	1.22E-02	1.34E-02	1.47E-03	2.17E-03	1.28E-03	1.34E-03
1522	567010.82	4216906.86	1.43E-02	1.54E-02	1.24E-02	1.36E-02	1.50E-03	2.21E-03	1.31E-03	1.36E-03
1523	567005.11	4216914.75	1.44E-02	1.55E-02	1.25E-02	1.37E-02	1.51E-03	2.23E-03	1.31E-03	1.37E-03
1524	566999.39	4216922.63	1.44E-02	1.55E-02	1.25E-02	1.37E-02	1.51E-03	2.22E-03	1.31E-03	1.37E-03
1525	566993.68	4216930.52	1.42E-02	1.53E-02	1.23E-02	1.36E-02	1.49E-03	2.20E-03	1.30E-03	1.35E-03
1526	566987.97	4216938.4	1.39E-02	1.50E-02	1.21E-02	1.33E-02	1.46E-03	2.15E-03	1.27E-03	1.33E-03
1527	566982.26	4216946.29	1.34E-02	1.45E-02	1.16E-02	1.28E-02	1.41E-03	2.08E-03	1.23E-03	1.28E-03
1528	566976.55	4216954.17	1.27E-02	1.37E-02	1.10E-02	1.21E-02	1.33E-03	1.96E-03	1.16E-03	1.21E-03
1529	566970.83	4216962.06	1.17E-02	1.26E-02	1.01E-02	1.12E-02	1.22E-03	1.81E-03	1.07E-03	1.11E-03
1530	567070.88	4216809.7	4.37E-03	4.72E-03	3.79E-03	4.18E-03	4.59E-04	6.77E-04	3.99E-04	4.17E-04
1531	567059.84	4216822.14	5.55E-03	5.99E-03	4.82E-03	5.30E-03	5.82E-04	8.59E-04	5.07E-04	5.29E-04
1532	567054.13	4216830.03	6.44E-03	6.95E-03	5.58E-03	6.15E-03	6.75E-04	9.96E-04	5.88E-04	6.14E-04
1533	567048.42	4216837.91	7.33E-03	7.92E-03	6.36E-03	7.01E-03	7.69E-04	1.14E-03	6.70E-04	6.99E-04
1534	567042.71	4216845.8	8.19E-03	8.84E-03	7.11E-03	7.83E-03	8.59E-04	1.27E-03	7.48E-04	7.81E-04
1535	567036.99	4216853.68	8.95E-03	9.66E-03	7.76E-03	8.55E-03	9.39E-04	1.39E-03	8.18E-04	8.53E-04
1536	567031.28	4216861.57	9.62E-03	1.04E-02	8.35E-03	9.19E-03	1.01E-03	1.49E-03	8.79E-04	9.17E-04
1537	567025.57	4216869.45	1.02E-02	1.10E-02	8.85E-03	9.74E-03	1.07E-03	1.58E-03	9.32E-04	9.72E-04
1538	567019.86	4216877.34	1.07E-02	1.16E-02	9.30E-03	1.02E-02	1.12E-03	1.66E-03	9.79E-04	1.02E-03
1539	567014.15	4216885.22	1.12E-02	1.21E-02	9.70E-03	1.07E-02	1.17E-03	1.73E-03	1.02E-03	1.07E-03
1540	567008.43	4216893.11	1.15E-02	1.25E-02	1.00E-02	1.10E-02	1.21E-03	1.79E-03	1.05E-03	1.10E-03
1541	567002.72	4216900.99	1.18E-02	1.27E-02	1.02E-02	1.13E-02	1.24E-03	1.82E-03	1.08E-03	1.12E-03
1542	566997.01	4216908.88	1.19E-02	1.29E-02	1.03E-02	1.14E-02	1.25E-03	1.85E-03	1.09E-03	1.14E-03
1543	566991.3	4216916.76	1.20E-02	1.29E-02	1.04E-02	1.14E-02	1.25E-03	1.85E-03	1.09E-03	1.14E-03
1544	566985.58	4216924.65	1.19E-02	1.28E-02	1.03E-02	1.14E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
1545	566979.87	4216932.53	1.17E-02	1.26E-02	1.02E-02	1.12E-02	1.23E-03	1.81E-03	1.07E-03	1.12E-03
1546	566974.16	4216940.42	1.14E-02	1.23E-02	9.86E-03	1.09E-02	1.19E-03	1.76E-03	1.04E-03	1.08E-03
1547	566968.45	4216948.3	1.09E-02	1.17E-02	9.42E-03	1.04E-02	1.14E-03	1.68E-03	9.92E-04	1.03E-03
1548	566962.74	4216956.19	1.02E-02	1.10E-02	8.84E-03	9.73E-03	1.07E-03	1.58E-03	9.30E-04	9.71E-04
1549	567064.56	4216802.31	3.76E-03	4.06E-03	3.26E-03	3.59E-03	3.94E-04	5.82E-04	3.43E-04	3.58E-04
1550	567057.46	4216808.39	4.16E-03	4.49E-03	3.61E-03	3.97E-03	4.36E-04	6.43E-04	3.80E-04	3.96E-04
1551	567051.74	4216816.28	4.76E-03	5.13E-03	4.13E-03	4.54E-03	4.99E-04	7.36E-04	4.34E-04	4.53E-04
1552	567046.03	4216824.16	5.43E-03	5.86E-03	4.71E-03	5.18E-03	5.69E-04	8.40E-04	4.96E-04	5.17E-04
1553	567040.32	4216832.05	6.12E-03	6.60E-03	5.31E-03	5.84E-03	6.42E-04	9.47E-04	5.59E-04	5.83E-04
1554	567034.61	4216839.93	6.79E-03	7.33E-03	5.89E-03	6.49E-03	7.13E-04	1.05E-03	6.21E-04	6.48E-04
1555	567028.9	4216847.82	7.42E-03	8.01E-03	6.44E-03	7.09E-03	7.79E-04	1.15E-03	6.78E-04	7.08E-04
1556	567023.18	4216855.7	8.00E-03	8.63E-03	6.94E-03	7.64E-03	8.39E-04	1.24E-03	7.30E-04	7.62E-04
1557	567017.47	4216863.59	8.52E-03	9.20E-03	7.40E-03	8.14E-03	8.94E-04	1.32E-03	7.79E-04	8.13E-04
1558	567011.76	4216871.47	8.99E-03	9.70E-03	7.80E-03	8.58E-03	9.42E-04	1.39E-03	8.21E-04	8.56E-04
1559	567006.05	4216879.36	9.38E-03	1.01E-02	8.14E-03	8.96E-03	9.84E-04	1.45E-03	8.57E-04	8.94E-04
1560	567000.33	4216887.24	9.71E-03	1.05E-02	8.42E-03	9.27E-03	1.02E-03	1.50E-03	8.87E-04	9.25E-04
1561	566994.62	4216895.13	9.94E-03	1.07E-02	8.63E-03	9.50E-03	1.04E-03	1.54E-03	9.08E-04	9.48E-04
1562	566988.91	4216903.01	1.01E-02	1.09E-02	8.77E-03	9.65E-03	1.06E-03	1.56E-03	9.23E-04	9.63E-04

1563	566983.2	4216910.9	1.02E-02	1.10E-02	8.83E-03	9.73E-03	1.07E-03	1.58E-03	9.30E-04	9.71E-04
1564	566977.49	4216918.78	1.02E-02	1.10E-02	8.82E-03	9.71E-03	1.07E-03	1.57E-03	9.29E-04	9.69E-04
1565	566971.77	4216926.67	1.00E-02	1.08E-02	8.71E-03	9.59E-03	1.05E-03	1.55E-03	9.17E-04	9.57E-04
1566	566966.06	4216934.55	9.80E-03	1.06E-02	8.51E-03	9.37E-03	1.03E-03	1.52E-03	8.96E-04	9.35E-04
1567	566960.35	4216942.44	9.45E-03	1.02E-02	8.20E-03	9.02E-03	9.91E-04	1.46E-03	8.63E-04	9.00E-04
1568	566954.64	4216950.32	8.98E-03	9.69E-03	7.79E-03	8.57E-03	9.42E-04	1.39E-03	8.20E-04	8.56E-04
1569	567055.28	4216797.46	3.41E-03	3.68E-03	2.96E-03	3.26E-03	3.58E-04	5.28E-04	3.12E-04	3.25E-04
1570	567074.7	4216785.5	2.84E-03	3.07E-03	2.47E-03	2.72E-03	2.98E-04	4.40E-04	2.60E-04	2.71E-04
1571	567043.65	4216810.41	4.16E-03	4.49E-03	3.61E-03	3.97E-03	4.36E-04	6.43E-04	3.80E-04	3.96E-04
1572	567037.93	4216818.3	4.68E-03	5.05E-03	4.06E-03	4.47E-03	4.91E-04	7.25E-04	4.28E-04	4.46E-04
1573	567032.22	4216826.18	5.23E-03	5.64E-03	4.54E-03	4.99E-03	5.48E-04	8.09E-04	4.78E-04	4.98E-04
1574	567026.51	4216834.07	5.77E-03	6.23E-03	5.01E-03	5.52E-03	6.06E-04	8.94E-04	5.27E-04	5.50E-04
1575	567020.8	4216841.95	6.30E-03	6.80E-03	5.47E-03	6.02E-03	6.61E-04	9.75E-04	5.75E-04	6.00E-04
1576	567015.09	4216849.84	6.80E-03	7.34E-03	5.90E-03	6.49E-03	7.13E-04	1.05E-03	6.21E-04	6.48E-04
1577	567009.37	4216857.72	7.25E-03	7.83E-03	6.29E-03	6.93E-03	7.61E-04	1.12E-03	6.63E-04	6.92E-04
1578	567003.66	4216865.61	7.66E-03	8.27E-03	6.65E-03	7.32E-03	8.04E-04	1.19E-03	7.00E-04	7.30E-04
1579	566997.95	4216873.49	8.01E-03	8.65E-03	6.95E-03	7.65E-03	8.40E-04	1.24E-03	7.32E-04	7.64E-04
1580	566992.24	4216881.38	8.31E-03	8.97E-03	7.21E-03	7.93E-03	8.71E-04	1.29E-03	7.59E-04	7.92E-04
1581	566986.52	4216889.26	8.53E-03	9.21E-03	7.40E-03	8.15E-03	8.95E-04	1.32E-03	7.80E-04	8.13E-04
1582	566980.81	4216897.15	8.70E-03	9.39E-03	7.55E-03	8.31E-03	9.12E-04	1.35E-03	7.95E-04	8.29E-04
1583	566975.1	4216905.03	8.79E-03	9.49E-03	7.63E-03	8.40E-03	9.22E-04	1.36E-03	8.03E-04	8.38E-04
1584	566969.39	4216912.92	8.80E-03	9.50E-03	7.64E-03	8.41E-03	9.23E-04	1.36E-03	8.04E-04	8.39E-04
1585	566963.68	4216920.8	8.73E-03	9.42E-03	7.57E-03	8.34E-03	9.16E-04	1.35E-03	7.97E-04	8.32E-04
1586	566957.96	4216928.69	8.57E-03	9.25E-03	7.43E-03	8.18E-03	8.99E-04	1.33E-03	7.83E-04	8.17E-04
1587	566952.25	4216936.57	8.31E-03	8.98E-03	7.21E-03	7.94E-03	8.72E-04	1.29E-03	7.59E-04	7.93E-04
1588	566946.54	4216944.46	7.98E-03	8.61E-03	6.92E-03	7.62E-03	8.37E-04	1.23E-03	7.29E-04	7.60E-04
1589	567048.36	4216790.58	3.03E-03	3.27E-03	2.63E-03	2.89E-03	3.18E-04	4.69E-04	2.77E-04	2.89E-04
1590	567055.47	4216784.5	2.78E-03	3.00E-03	2.41E-03	2.66E-03	2.92E-04	4.30E-04	2.54E-04	2.65E-04
1591	567071.67	4216776.23	2.48E-03	2.67E-03	2.15E-03	2.36E-03	2.60E-04	3.83E-04	2.26E-04	2.36E-04
1592	567041.26	4216796.66	3.29E-03	3.55E-03	2.85E-03	3.14E-03	3.45E-04	5.09E-04	3.00E-04	3.14E-04
1593	567035.55	4216804.54	3.68E-03	3.97E-03	3.19E-03	3.52E-03	3.86E-04	5.70E-04	3.36E-04	3.51E-04
1594	567029.84	4216812.43	4.11E-03	4.43E-03	3.56E-03	3.92E-03	4.31E-04	6.36E-04	3.75E-04	3.92E-04
1595	567024.12	4216820.31	4.55E-03	4.92E-03	3.95E-03	4.35E-03	4.78E-04	7.05E-04	4.16E-04	4.34E-04
1596	567018.41	4216828.2	5.00E-03	5.40E-03	4.34E-03	4.78E-03	5.24E-04	7.74E-04	4.57E-04	4.77E-04
1597	567012.7	4216836.08	5.44E-03	5.87E-03	4.72E-03	5.20E-03	5.71E-04	8.42E-04	4.97E-04	5.19E-04
1598	567006.99	4216843.97	5.87E-03	6.34E-03	5.09E-03	5.61E-03	6.16E-04	9.08E-04	5.36E-04	5.59E-04
1599	567001.27	4216851.85	6.26E-03	6.76E-03	5.43E-03	5.98E-03	6.57E-04	9.70E-04	5.72E-04	5.97E-04
1600	566995.56	4216859.74	6.62E-03	7.15E-03	5.74E-03	6.32E-03	6.94E-04	1.02E-03	6.05E-04	6.31E-04
1601	566989.85	4216867.62	6.93E-03	7.48E-03	6.02E-03	6.62E-03	7.27E-04	1.07E-03	6.33E-04	6.61E-04
1602	566984.14	4216875.51	7.20E-03	7.77E-03	6.25E-03	6.88E-03	7.55E-04	1.11E-03	6.58E-04	6.86E-04
1603	566978.43	4216883.39	7.41E-03	8.00E-03	6.43E-03	7.08E-03	7.78E-04	1.15E-03	6.77E-04	7.07E-04
1604	566972.71	4216891.28	7.57E-03	8.17E-03	6.57E-03	7.23E-03	7.94E-04	1.17E-03	6.92E-04	7.22E-04
1605	566967	4216899.16	7.67E-03	8.28E-03	6.66E-03	7.33E-03	8.05E-04	1.19E-03	7.01E-04	7.31E-04
1606	566961.29	4216907.05	7.70E-03	8.32E-03	6.68E-03	7.36E-03	8.08E-04	1.19E-03	7.04E-04	7.34E-04
1607	566955.58	4216914.93	7.67E-03	8.28E-03	6.65E-03	7.32E-03	8.04E-04	1.19E-03	7.00E-04	7.31E-04
1608	566949.86	4216922.82	7.56E-03	8.16E-03	6.56E-03	7.22E-03	7.93E-04	1.17E-03	6.91E-04	7.21E-04
1609	566944.15	4216930.7	7.38E-03	7.97E-03	6.41E-03	7.05E-03	7.74E-04	1.14E-03	6.74E-04	7.04E-04
1610	566938.44	4216938.59	7.14E-03	7.70E-03	6.19E-03	6.82E-03	7.49E-04	1.10E-03	6.52E-04	6.80E-04
1611	567039.38	4216785.47	2.77E-03	2.99E-03	2.41E-03	2.65E-03	2.91E-04	4.29E-04	2.53E-04	2.64E-04
1612	567051.81	4216774.83	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.53E-04	3.73E-04	2.20E-04	2.30E-04
1613	567065.98	4216767.6	2.20E-03	2.37E-03	1.91E-03	2.10E-03	2.30E-04	3.40E-04	2.01E-04	2.09E-04
1614	567027.45	4216798.68	3.29E-03	3.55E-03	2.86E-03	3.14E-03	3.45E-04	5.09E-04	3.01E-04	3.14E-04
1615	567021.74	4216806.56	3.65E-03	3.93E-03	3.16E-03	3.48E-03	3.82E-04	5.64E-04	3.33E-04	3.47E-04
1616	567016.03	4216814.45	4.01E-03	4.33E-03	3.48E-03	3.83E-03	4.21E-04	6.21E-04	3.67E-04	3.83E-04

1617	567010.31	4216822.33	4.39E-03	4.74E-03	3.81E-03	4.19E-03	4.60E-04	6.79E-04	4.01E-04	4.18E-04
1618	567004.6	4216830.22	4.76E-03	5.14E-03	4.13E-03	4.55E-03	4.99E-04	7.37E-04	4.35E-04	4.54E-04
1619	566998.89	4216838.1	5.12E-03	5.53E-03	4.45E-03	4.89E-03	5.38E-04	7.93E-04	4.68E-04	4.88E-04
1620	566993.18	4216845.99	5.48E-03	5.91E-03	4.75E-03	5.23E-03	5.74E-04	8.48E-04	5.00E-04	5.22E-04
1621	566987.46	4216853.87	5.79E-03	6.25E-03	5.02E-03	5.53E-03	6.07E-04	8.96E-04	5.29E-04	5.52E-04
1622	566981.75	4216861.76	6.07E-03	6.55E-03	5.26E-03	5.79E-03	6.36E-04	9.39E-04	5.54E-04	5.78E-04
1623	566976.04	4216869.64	6.31E-03	6.81E-03	5.47E-03	6.02E-03	6.61E-04	9.76E-04	5.76E-04	6.01E-04
1624	566970.33	4216877.53	6.50E-03	7.02E-03	5.64E-03	6.21E-03	6.82E-04	1.01E-03	5.94E-04	6.20E-04
1625	566964.62	4216885.41	6.66E-03	7.18E-03	5.77E-03	6.36E-03	6.98E-04	1.03E-03	6.08E-04	6.34E-04
1626	566958.9	4216893.3	6.76E-03	7.29E-03	5.86E-03	6.45E-03	7.09E-04	1.05E-03	6.17E-04	6.44E-04
1627	566953.19	4216901.18	6.80E-03	7.34E-03	5.90E-03	6.50E-03	7.14E-04	1.05E-03	6.21E-04	6.48E-04
1628	566947.48	4216909.07	6.79E-03	7.33E-03	5.89E-03	6.49E-03	7.13E-04	1.05E-03	6.21E-04	6.48E-04
1629	566941.77	4216916.95	6.73E-03	7.26E-03	5.84E-03	6.43E-03	7.06E-04	1.04E-03	6.14E-04	6.41E-04
1630	566936.05	4216924.84	6.60E-03	7.13E-03	5.73E-03	6.31E-03	6.92E-04	1.02E-03	6.03E-04	6.29E-04
1631	566930.34	4216932.72	6.42E-03	6.93E-03	5.57E-03	6.13E-03	6.74E-04	9.94E-04	5.87E-04	6.12E-04
1632	567032.17	4216778.85	2.51E-03	2.70E-03	2.17E-03	2.39E-03	2.63E-04	3.88E-04	2.29E-04	2.39E-04
1633	567039.27	4216772.77	2.33E-03	2.51E-03	2.02E-03	2.22E-03	2.44E-04	3.60E-04	2.13E-04	2.22E-04
1634	567046.38	4216766.68	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.34E-04	1.97E-04	2.06E-04
1635	567062.57	4216758.42	1.95E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.86E-04
1636	567025.06	4216784.93	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.82E-04	4.17E-04	2.46E-04	2.57E-04
1637	567019.35	4216792.81	2.97E-03	3.21E-03	2.58E-03	2.84E-03	3.12E-04	4.60E-04	2.71E-04	2.83E-04
1638	567013.64	4216800.7	3.27E-03	3.53E-03	2.84E-03	3.12E-03	3.43E-04	5.06E-04	2.98E-04	3.11E-04
1639	567007.93	4216808.58	3.58E-03	3.86E-03	3.10E-03	3.42E-03	3.75E-04	5.54E-04	3.27E-04	3.41E-04
1640	567002.22	4216816.47	3.89E-03	4.20E-03	3.38E-03	3.72E-03	4.08E-04	6.02E-04	3.55E-04	3.71E-04
1641	566996.5	4216824.35	4.21E-03	4.54E-03	3.65E-03	4.02E-03	4.41E-04	6.51E-04	3.84E-04	4.01E-04
1642	566990.79	4216832.24	4.52E-03	4.88E-03	3.92E-03	4.32E-03	4.74E-04	7.00E-04	4.13E-04	4.31E-04
1643	566985.08	4216840.12	4.83E-03	5.21E-03	4.19E-03	4.61E-03	5.06E-04	7.47E-04	4.41E-04	4.60E-04
1644	566979.37	4216848.01	5.11E-03	5.52E-03	4.43E-03	4.88E-03	5.36E-04	7.91E-04	4.67E-04	4.87E-04
1645	566973.65	4216855.89	5.36E-03	5.78E-03	4.65E-03	5.12E-03	5.62E-04	8.29E-04	4.89E-04	5.11E-04
1646	566967.94	4216863.78	5.57E-03	6.02E-03	4.84E-03	5.32E-03	5.85E-04	8.63E-04	5.09E-04	5.31E-04
1647	566962.23	4216871.66	5.75E-03	6.21E-03	4.99E-03	5.50E-03	6.04E-04	8.91E-04	5.26E-04	5.48E-04
1648	566956.52	4216879.55	5.90E-03	6.37E-03	5.12E-03	5.63E-03	6.19E-04	9.13E-04	5.39E-04	5.62E-04
1649	566950.81	4216887.43	6.00E-03	6.47E-03	5.20E-03	5.73E-03	6.29E-04	9.28E-04	5.48E-04	5.72E-04
1650	566945.09	4216895.32	6.05E-03	6.53E-03	5.25E-03	5.78E-03	6.35E-04	9.37E-04	5.53E-04	5.77E-04
1651	566939.38	4216903.2	6.06E-03	6.55E-03	5.26E-03	5.79E-03	6.36E-04	9.39E-04	5.54E-04	5.78E-04
1652	566933.67	4216911.09	6.03E-03	6.50E-03	5.23E-03	5.76E-03	6.32E-04	9.33E-04	5.50E-04	5.74E-04
1653	566927.96	4216918.97	5.94E-03	6.41E-03	5.15E-03	5.67E-03	6.23E-04	9.19E-04	5.43E-04	5.66E-04
1654	566922.24	4216926.86	5.81E-03	6.27E-03	5.04E-03	5.55E-03	6.09E-04	8.99E-04	5.31E-04	5.54E-04
1655	567023.36	4216773.59	2.32E-03	2.50E-03	2.01E-03	2.21E-03	2.43E-04	3.58E-04	2.11E-04	2.21E-04
1656	567036.15	4216762.64	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
1657	567057.12	4216749.73	1.76E-03	1.90E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1658	567011.25	4216786.94	2.70E-03	2.92E-03	2.35E-03	2.58E-03	2.84E-04	4.18E-04	2.47E-04	2.58E-04
1659	567005.54	4216794.83	2.96E-03	3.19E-03	2.57E-03	2.82E-03	3.10E-04	4.58E-04	2.70E-04	2.82E-04
1660	566999.83	4216802.71	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.38E-04	4.98E-04	2.94E-04	3.07E-04
1661	566994.12	4216810.6	3.49E-03	3.76E-03	3.02E-03	3.33E-03	3.66E-04	5.39E-04	3.18E-04	3.32E-04
1662	566988.4	4216818.48	3.76E-03	4.06E-03	3.26E-03	3.59E-03	3.94E-04	5.82E-04	3.43E-04	3.58E-04
1663	566982.69	4216826.37	4.03E-03	4.35E-03	3.50E-03	3.85E-03	4.23E-04	6.24E-04	3.68E-04	3.84E-04
1664	566976.98	4216834.25	4.30E-03	4.64E-03	3.73E-03	4.10E-03	4.51E-04	6.65E-04	3.92E-04	4.09E-04
1665	566971.27	4216842.14	4.54E-03	4.91E-03	3.94E-03	4.34E-03	4.77E-04	7.03E-04	4.15E-04	4.33E-04
1666	566965.56	4216850.02	4.77E-03	5.15E-03	4.14E-03	4.56E-03	5.00E-04	7.38E-04	4.36E-04	4.55E-04
1667	566959.84	4216857.91	4.96E-03	5.36E-03	4.31E-03	4.74E-03	5.21E-04	7.68E-04	4.53E-04	4.73E-04
1668	566954.13	4216865.79	5.13E-03	5.54E-03	4.45E-03	4.90E-03	5.38E-04	7.94E-04	4.68E-04	4.89E-04
1669	566948.42	4216873.68	5.26E-03	5.68E-03	4.57E-03	5.03E-03	5.52E-04	8.15E-04	4.81E-04	5.02E-04
1670	566942.71	4216881.56	5.36E-03	5.79E-03	4.65E-03	5.12E-03	5.62E-04	8.30E-04	4.90E-04	5.11E-04

1671	566936.99	4216889.45	5.42E-03	5.85E-03	4.70E-03	5.18E-03	5.69E-04	8.39E-04	4.95E-04	5.17E-04
1672	566931.28	4216897.33	5.45E-03	5.88E-03	4.72E-03	5.20E-03	5.71E-04	8.43E-04	4.97E-04	5.19E-04
1673	566925.57	4216905.22	5.43E-03	5.86E-03	4.71E-03	5.19E-03	5.69E-04	8.40E-04	4.96E-04	5.17E-04
1674	566919.86	4216913.1	5.37E-03	5.80E-03	4.66E-03	5.13E-03	5.63E-04	8.32E-04	4.91E-04	5.12E-04
1675	566914.15	4216920.99	5.28E-03	5.70E-03	4.58E-03	5.04E-03	5.54E-04	8.17E-04	4.82E-04	5.03E-04
1676	567015.97	4216767.11	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.03E-04
1677	567023.08	4216761.03	1.99E-03	2.14E-03	1.72E-03	1.90E-03	2.08E-04	3.08E-04	1.81E-04	1.89E-04
1678	567030.18	4216754.95	1.86E-03	2.01E-03	1.61E-03	1.78E-03	1.95E-04	2.88E-04	1.70E-04	1.77E-04
1679	567008.87	4216773.19	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
1680	567003.16	4216781.08	2.48E-03	2.67E-03	2.15E-03	2.37E-03	2.60E-04	3.83E-04	2.26E-04	2.36E-04
1681	566997.44	4216788.96	2.70E-03	2.91E-03	2.34E-03	2.58E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
1682	566991.73	4216796.85	2.92E-03	3.15E-03	2.54E-03	2.79E-03	3.07E-04	4.52E-04	2.67E-04	2.79E-04
1683	566986.02	4216804.73	3.15E-03	3.41E-03	2.74E-03	3.01E-03	3.31E-04	4.88E-04	2.88E-04	3.01E-04
1684	566980.31	4216812.62	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.55E-04	5.24E-04	3.10E-04	3.23E-04
1685	566974.59	4216820.5	3.62E-03	3.91E-03	3.14E-03	3.46E-03	3.80E-04	5.61E-04	3.31E-04	3.45E-04
1686	566968.88	4216828.39	3.85E-03	4.16E-03	3.34E-03	3.68E-03	4.04E-04	5.96E-04	3.52E-04	3.67E-04
1687	566963.17	4216836.27	4.07E-03	4.40E-03	3.53E-03	3.89E-03	4.27E-04	6.30E-04	3.72E-04	3.88E-04
1688	566957.46	4216844.16	4.27E-03	4.61E-03	3.71E-03	4.08E-03	4.48E-04	6.62E-04	3.90E-04	4.07E-04
1689	566951.75	4216852.04	4.45E-03	4.81E-03	3.86E-03	4.25E-03	4.67E-04	6.89E-04	4.07E-04	4.24E-04
1690	566946.03	4216859.93	4.60E-03	4.97E-03	3.99E-03	4.40E-03	4.83E-04	7.12E-04	4.20E-04	4.39E-04
1691	566940.32	4216867.81	4.73E-03	5.10E-03	4.10E-03	4.51E-03	4.96E-04	7.32E-04	4.32E-04	4.51E-04
1692	566934.61	4216875.7	4.82E-03	5.21E-03	4.18E-03	4.61E-03	5.06E-04	7.46E-04	4.40E-04	4.60E-04
1693	566928.9	4216883.58	4.89E-03	5.27E-03	4.24E-03	4.67E-03	5.13E-04	7.56E-04	4.46E-04	4.66E-04
1694	566923.18	4216891.47	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.61E-04	4.49E-04	4.69E-04
1695	566917.47	4216899.35	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.61E-04	4.49E-04	4.69E-04
1696	566911.76	4216907.24	4.88E-03	5.27E-03	4.24E-03	4.66E-03	5.12E-04	7.56E-04	4.46E-04	4.65E-04
1697	566906.05	4216915.12	4.81E-03	5.20E-03	4.18E-03	4.60E-03	5.05E-04	7.45E-04	4.40E-04	4.59E-04
1698	567007.28	4216761.75	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
1699	566995.06	4216775.21	2.28E-03	2.46E-03	1.98E-03	2.18E-03	2.39E-04	3.53E-04	2.08E-04	2.17E-04
1700	566989.34	4216783.1	2.47E-03	2.67E-03	2.15E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
1701	566983.63	4216790.98	2.67E-03	2.88E-03	2.32E-03	2.55E-03	2.80E-04	4.14E-04	2.44E-04	2.55E-04
1702	566977.92	4216798.87	2.87E-03	3.10E-03	2.49E-03	2.75E-03	3.01E-04	4.45E-04	2.63E-04	2.74E-04
1703	566972.21	4216806.75	3.08E-03	3.32E-03	2.67E-03	2.94E-03	3.23E-04	4.76E-04	2.81E-04	2.93E-04
1704	566966.5	4216814.64	3.28E-03	3.54E-03	2.85E-03	3.13E-03	3.44E-04	5.08E-04	3.00E-04	3.13E-04
1705	566960.78	4216822.52	3.48E-03	3.76E-03	3.02E-03	3.32E-03	3.65E-04	5.39E-04	3.18E-04	3.32E-04
1706	566955.07	4216830.41	3.67E-03	3.97E-03	3.19E-03	3.51E-03	3.85E-04	5.69E-04	3.36E-04	3.50E-04
1707	566949.36	4216838.29	3.85E-03	4.16E-03	3.34E-03	3.68E-03	4.04E-04	5.96E-04	3.52E-04	3.67E-04
1708	566943.65	4216846.18	4.02E-03	4.34E-03	3.49E-03	3.84E-03	4.21E-04	6.22E-04	3.67E-04	3.83E-04
1709	566937.93	4216854.06	4.15E-03	4.48E-03	3.60E-03	3.97E-03	4.36E-04	6.43E-04	3.79E-04	3.96E-04
1710	566932.22	4216861.95	4.27E-03	4.61E-03	3.70E-03	4.08E-03	4.48E-04	6.61E-04	3.90E-04	4.07E-04
1711	566926.51	4216869.83	4.36E-03	4.71E-03	3.78E-03	4.16E-03	4.57E-04	6.75E-04	3.98E-04	4.16E-04
1712	566920.8	4216877.72	4.43E-03	4.78E-03	3.84E-03	4.23E-03	4.64E-04	6.85E-04	4.04E-04	4.22E-04
1713	566915.09	4216885.6	4.46E-03	4.82E-03	3.87E-03	4.26E-03	4.68E-04	6.91E-04	4.08E-04	4.25E-04
1714	566909.37	4216893.49	4.47E-03	4.83E-03	3.88E-03	4.27E-03	4.69E-04	6.92E-04	4.09E-04	4.26E-04
1715	566903.66	4216901.37	4.45E-03	4.81E-03	3.86E-03	4.25E-03	4.67E-04	6.89E-04	4.07E-04	4.25E-04
1716	566897.95	4216909.26	4.41E-03	4.76E-03	3.82E-03	4.21E-03	4.62E-04	6.82E-04	4.03E-04	4.20E-04
1717	567044.39	4216722.79	1.34E-03	1.44E-03	1.16E-03	1.28E-03	1.40E-04	2.07E-04	1.22E-04	1.28E-04
1718	567053.48	4216720.6	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
1719	567062.57	4216718.42	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
1720	567071.67	4216716.23	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.94E-04	1.15E-04	1.20E-04
1721	567080.76	4216714.05	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1722	566986.96	4216769.34	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.21E-04	3.27E-04	1.93E-04	2.01E-04
1723	566981.25	4216777.23	2.28E-03	2.46E-03	1.98E-03	2.18E-03	2.39E-04	3.53E-04	2.08E-04	2.17E-04
1724	566975.53	4216785.11	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.80E-04	2.24E-04	2.34E-04

1725	566969.82	4216793	2.63E-03	2.84E-03	2.28E-03	2.52E-03	2.76E-04	4.08E-04	2.41E-04	2.51E-04
1726	566964.11	4216800.88	2.81E-03	3.04E-03	2.44E-03	2.69E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
1727	566958.4	4216808.77	2.99E-03	3.23E-03	2.59E-03	2.86E-03	3.14E-04	4.63E-04	2.73E-04	2.85E-04
1728	566952.69	4216816.65	3.16E-03	3.41E-03	2.74E-03	3.02E-03	3.32E-04	4.90E-04	2.89E-04	3.01E-04
1729	566946.97	4216824.54	3.33E-03	3.60E-03	2.89E-03	3.18E-03	3.50E-04	5.16E-04	3.05E-04	3.18E-04
1730	566941.26	4216832.42	3.49E-03	3.77E-03	3.03E-03	3.34E-03	3.66E-04	5.41E-04	3.19E-04	3.33E-04
1731	566935.55	4216840.31	3.64E-03	3.93E-03	3.16E-03	3.48E-03	3.82E-04	5.64E-04	3.33E-04	3.47E-04
1732	566929.84	4216848.19	3.77E-03	4.07E-03	3.27E-03	3.60E-03	3.95E-04	5.83E-04	3.44E-04	3.59E-04
1733	566924.12	4216856.08	3.87E-03	4.18E-03	3.36E-03	3.70E-03	4.06E-04	5.99E-04	3.54E-04	3.69E-04
1734	566918.41	4216863.96	3.96E-03	4.27E-03	3.43E-03	3.78E-03	4.15E-04	6.13E-04	3.62E-04	3.77E-04
1735	566912.7	4216871.85	4.03E-03	4.35E-03	3.49E-03	3.85E-03	4.22E-04	6.23E-04	3.68E-04	3.84E-04
1736	566906.99	4216879.73	4.07E-03	4.39E-03	3.53E-03	3.89E-03	4.27E-04	6.30E-04	3.72E-04	3.88E-04
1737	566901.28	4216887.62	4.09E-03	4.41E-03	3.55E-03	3.90E-03	4.29E-04	6.33E-04	3.73E-04	3.90E-04
1738	566895.56	4216895.5	4.08E-03	4.40E-03	3.54E-03	3.90E-03	4.28E-04	6.32E-04	3.73E-04	3.89E-04
1739	566889.85	4216903.39	4.05E-03	4.37E-03	3.51E-03	3.87E-03	4.25E-04	6.27E-04	3.70E-04	3.86E-04
1740	567004.36	4216738.65	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
1741	567017.56	4216727.36	1.40E-03	1.51E-03	1.21E-03	1.33E-03	1.46E-04	2.16E-04	1.28E-04	1.33E-04
1742	567039.19	4216714.04	1.24E-03	1.33E-03	1.07E-03	1.18E-03	1.30E-04	1.91E-04	1.13E-04	1.18E-04
1743	567056.08	4216709.98	1.19E-03	1.28E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.13E-04
1744	567072.96	4216705.92	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1745	566973.15	4216771.36	2.11E-03	2.28E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.93E-04	2.01E-04
1746	566967.44	4216779.25	2.27E-03	2.45E-03	1.97E-03	2.16E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
1747	566961.72	4216787.13	2.42E-03	2.62E-03	2.10E-03	2.32E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
1748	566956.01	4216795.02	2.58E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.46E-04
1749	566950.3	4216802.9	2.74E-03	2.96E-03	2.38E-03	2.62E-03	2.87E-04	4.24E-04	2.50E-04	2.61E-04
1750	566944.59	4216810.79	2.89E-03	3.12E-03	2.51E-03	2.76E-03	3.03E-04	4.48E-04	2.64E-04	2.76E-04
1751	566938.87	4216818.67	3.04E-03	3.28E-03	2.64E-03	2.91E-03	3.19E-04	4.71E-04	2.78E-04	2.90E-04
1752	566933.16	4216826.56	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
1753	566927.45	4216834.44	3.32E-03	3.58E-03	2.88E-03	3.17E-03	3.48E-04	5.13E-04	3.03E-04	3.16E-04
1754	566921.74	4216842.33	3.43E-03	3.70E-03	2.98E-03	3.28E-03	3.60E-04	5.31E-04	3.13E-04	3.27E-04
1755	566916.03	4216850.21	3.53E-03	3.81E-03	3.06E-03	3.37E-03	3.70E-04	5.46E-04	3.22E-04	3.36E-04
1756	566910.31	4216858.1	3.61E-03	3.90E-03	3.13E-03	3.45E-03	3.79E-04	5.59E-04	3.30E-04	3.44E-04
1757	566904.6	4216865.98	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.50E-04
1758	566898.89	4216873.87	3.72E-03	4.02E-03	3.23E-03	3.56E-03	3.91E-04	5.77E-04	3.40E-04	3.55E-04
1759	566893.18	4216881.75	3.75E-03	4.05E-03	3.25E-03	3.58E-03	3.93E-04	5.80E-04	3.42E-04	3.57E-04
1760	566887.46	4216889.64	3.75E-03	4.05E-03	3.25E-03	3.58E-03	3.93E-04	5.81E-04	3.43E-04	3.58E-04
1761	566881.75	4216897.52	3.73E-03	4.03E-03	3.24E-03	3.56E-03	3.91E-04	5.78E-04	3.41E-04	3.56E-04
1762	566983.58	4216743.65	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
1763	566990.68	4216737.57	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.46E-04
1764	566997.79	4216731.48	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
1765	567004.89	4216725.4	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
1766	567012	4216719.32	1.30E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.01E-04	1.18E-04	1.24E-04
1767	567035.3	4216704.98	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
1768	567044.39	4216702.79	1.12E-03	1.21E-03	9.72E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.07E-04
1769	567053.48	4216700.6	1.10E-03	1.19E-03	9.53E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
1770	567062.57	4216698.42	1.08E-03	1.16E-03	9.35E-04	1.03E-03	1.13E-04	1.67E-04	9.84E-05	1.03E-04
1771	567071.67	4216696.23	1.06E-03	1.14E-03	9.17E-04	1.01E-03	1.11E-04	1.64E-04	9.66E-05	1.01E-04
1772	567080.76	4216694.05	1.04E-03	1.12E-03	9.01E-04	9.92E-04	1.09E-04	1.61E-04	9.48E-05	9.90E-05
1773	566975.04	4216738.16	1.52E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
1774	566988.36	4216726.76	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.31E-04
1775	567001.68	4216715.36	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
1776	567015	4216703.96	1.13E-03	1.22E-03	9.84E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1777	567030.18	4216696.21	1.06E-03	1.15E-03	9.22E-04	1.01E-03	1.11E-04	1.64E-04	9.70E-05	1.01E-04
1778	567047.23	4216692.11	1.03E-03	1.11E-03	8.89E-04	9.79E-04	1.08E-04	1.59E-04	9.36E-05	9.77E-05

1779	567064.28	4216688.01	9.90E-04	1.07E-03	8.59E-04	9.45E-04	1.04E-04	1.53E-04	9.04E-05	9.43E-05
1780	566939.82	4216783.28	2.21E-03	2.38E-03	1.91E-03	2.11E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
1781	566934.1	4216791.17	2.33E-03	2.52E-03	2.02E-03	2.23E-03	2.45E-04	3.61E-04	2.13E-04	2.22E-04
1782	566928.39	4216799.05	2.45E-03	2.65E-03	2.13E-03	2.34E-03	2.57E-04	3.80E-04	2.24E-04	2.34E-04
1783	566922.68	4216806.94	2.57E-03	2.78E-03	2.23E-03	2.46E-03	2.70E-04	3.98E-04	2.35E-04	2.45E-04
1784	566916.97	4216814.82	2.68E-03	2.90E-03	2.33E-03	2.56E-03	2.82E-04	4.16E-04	2.45E-04	2.56E-04
1785	566911.25	4216822.71	2.79E-03	3.01E-03	2.42E-03	2.66E-03	2.93E-04	4.32E-04	2.55E-04	2.66E-04
1786	566905.54	4216830.59	2.88E-03	3.11E-03	2.50E-03	2.76E-03	3.03E-04	4.46E-04	2.63E-04	2.75E-04
1787	566899.83	4216838.48	2.97E-03	3.20E-03	2.58E-03	2.84E-03	3.11E-04	4.59E-04	2.71E-04	2.83E-04
1788	566894.12	4216846.36	3.04E-03	3.28E-03	2.64E-03	2.90E-03	3.19E-04	4.71E-04	2.78E-04	2.90E-04
1789	566888.41	4216854.25	3.10E-03	3.35E-03	2.69E-03	2.96E-03	3.26E-04	4.80E-04	2.83E-04	2.96E-04
1790	566882.69	4216862.13	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.31E-04	4.88E-04	2.88E-04	3.00E-04
1791	566876.98	4216870.02	3.18E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
1792	566871.27	4216877.9	3.20E-03	3.45E-03	2.78E-03	3.06E-03	3.36E-04	4.95E-04	2.92E-04	3.05E-04
1793	566967.38	4216731.91	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
1794	566974.49	4216725.83	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.25E-04	1.30E-04
1795	566981.59	4216719.75	1.30E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.01E-04	1.18E-04	1.23E-04
1796	566988.7	4216713.67	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1797	566995.8	4216707.59	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
1798	567002.9	4216701.51	1.11E-03	1.20E-03	9.65E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
1799	567010.01	4216695.43	1.06E-03	1.14E-03	9.18E-04	1.01E-03	1.11E-04	1.64E-04	9.67E-05	1.01E-04
1800	567026.21	4216687.16	9.88E-04	1.07E-03	8.57E-04	9.44E-04	1.04E-04	1.53E-04	9.02E-05	9.42E-05
1801	567035.3	4216684.98	9.70E-04	1.05E-03	8.41E-04	9.26E-04	1.02E-04	1.50E-04	8.86E-05	9.24E-05
1802	567044.39	4216682.79	9.52E-04	1.03E-03	8.26E-04	9.09E-04	9.99E-05	1.47E-04	8.70E-05	9.07E-05
1803	567053.48	4216680.6	9.35E-04	1.01E-03	8.12E-04	8.93E-04	9.81E-05	1.45E-04	8.54E-05	8.92E-05
1804	567062.57	4216678.42	9.19E-04	9.92E-04	7.97E-04	8.78E-04	9.64E-05	1.42E-04	8.39E-05	8.76E-05
1805	567071.67	4216676.23	9.03E-04	9.75E-04	7.83E-04	8.63E-04	9.47E-05	1.40E-04	8.25E-05	8.61E-05
1806	567080.76	4216674.05	8.89E-04	9.59E-04	7.71E-04	8.49E-04	9.32E-05	1.38E-04	8.12E-05	8.47E-05
1807	566960.28	4216737.99	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.33E-04	1.38E-04	1.44E-04
1808	566954.57	4216745.88	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
1809	566926	4216785.3	2.16E-03	2.34E-03	1.88E-03	2.07E-03	2.27E-04	3.35E-04	1.98E-04	2.06E-04
1810	566920.29	4216793.19	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.52E-04	2.08E-04	2.17E-04
1811	566914.58	4216801.07	2.38E-03	2.57E-03	2.07E-03	2.27E-03	2.50E-04	3.68E-04	2.17E-04	2.27E-04
1812	566908.87	4216808.96	2.48E-03	2.68E-03	2.15E-03	2.37E-03	2.60E-04	3.84E-04	2.27E-04	2.37E-04
1813	566903.16	4216816.84	2.58E-03	2.78E-03	2.24E-03	2.46E-03	2.70E-04	3.99E-04	2.35E-04	2.46E-04
1814	566897.44	4216824.73	2.66E-03	2.88E-03	2.31E-03	2.54E-03	2.79E-04	4.12E-04	2.43E-04	2.54E-04
1815	566891.73	4216832.61	2.74E-03	2.96E-03	2.38E-03	2.62E-03	2.88E-04	4.24E-04	2.50E-04	2.61E-04
1816	566886.02	4216840.5	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
1817	566880.31	4216848.38	2.87E-03	3.09E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
1818	566874.59	4216856.27	2.91E-03	3.15E-03	2.53E-03	2.78E-03	3.06E-04	4.51E-04	2.66E-04	2.78E-04
1819	566868.88	4216864.15	2.95E-03	3.18E-03	2.56E-03	2.81E-03	3.09E-04	4.56E-04	2.69E-04	2.81E-04
1820	566863.17	4216872.04	2.96E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.83E-04
1821	566958.89	4216726.38	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
1822	566965.6	4216720.64	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
1823	566979.02	4216709.16	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
1824	566992.44	4216697.67	1.08E-03	1.16E-03	9.35E-04	1.03E-03	1.13E-04	1.67E-04	9.85E-05	1.03E-04
1825	567005.86	4216686.18	9.84E-04	1.06E-03	8.54E-04	9.40E-04	1.03E-04	1.52E-04	8.99E-05	9.38E-05
1826	567038.33	4216674.25	8.93E-04	9.64E-04	7.74E-04	8.53E-04	9.36E-05	1.38E-04	8.15E-05	8.51E-05
1827	567055.5	4216670.12	8.64E-04	9.33E-04	7.50E-04	8.26E-04	9.07E-05	1.34E-04	7.90E-05	8.24E-05
1828	567072.68	4216665.99	8.38E-04	9.04E-04	7.27E-04	8.00E-04	8.79E-05	1.30E-04	7.65E-05	7.99E-05
1829	566946.47	4216740.01	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
1830	566912.19	4216787.32	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.01E-04
1831	566906.48	4216795.21	2.21E-03	2.39E-03	1.92E-03	2.11E-03	2.32E-04	3.42E-04	2.02E-04	2.11E-04
1832	566900.77	4216803.09	2.30E-03	2.49E-03	2.00E-03	2.20E-03	2.41E-04	3.56E-04	2.10E-04	2.19E-04

1833	566895.06	4216810.98	2.39E-03	2.58E-03	2.07E-03	2.28E-03	2.51E-04	3.70E-04	2.18E-04	2.28E-04
1834	566889.35	4216818.86	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.26E-04	2.35E-04
1835	566883.63	4216826.75	2.54E-03	2.74E-03	2.21E-03	2.43E-03	2.67E-04	3.93E-04	2.32E-04	2.42E-04
1836	566877.92	4216834.63	2.60E-03	2.81E-03	2.26E-03	2.49E-03	2.73E-04	4.03E-04	2.38E-04	2.48E-04
1837	566872.21	4216842.52	2.66E-03	2.87E-03	2.31E-03	2.54E-03	2.79E-04	4.11E-04	2.43E-04	2.53E-04
1838	566866.5	4216850.4	2.70E-03	2.92E-03	2.34E-03	2.58E-03	2.83E-04	4.18E-04	2.47E-04	2.58E-04
1839	566860.78	4216858.29	2.74E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.61E-04
1840	566855.07	4216866.17	2.75E-03	2.97E-03	2.39E-03	2.63E-03	2.89E-04	4.26E-04	2.52E-04	2.63E-04
1841	566951.19	4216720.18	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.23E-04
1842	566958.29	4216714.1	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1843	566965.39	4216708.02	1.17E-03	1.26E-03	1.02E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.12E-04
1844	566972.5	4216701.94	1.12E-03	1.20E-03	9.68E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
1845	566979.6	4216695.86	1.06E-03	1.15E-03	9.23E-04	1.02E-03	1.12E-04	1.65E-04	9.72E-05	1.01E-04
1846	566986.71	4216689.78	1.01E-03	1.10E-03	8.80E-04	9.69E-04	1.06E-04	1.57E-04	9.27E-05	9.67E-05
1847	566993.81	4216683.7	9.68E-04	1.04E-03	8.39E-04	9.24E-04	1.01E-04	1.50E-04	8.84E-05	9.22E-05
1848	567000.92	4216677.62	9.23E-04	9.97E-04	8.01E-04	8.82E-04	9.69E-05	1.43E-04	8.43E-05	8.80E-05
1849	567026.21	4216667.16	8.49E-04	9.16E-04	7.36E-04	8.11E-04	8.90E-05	1.31E-04	7.75E-05	8.09E-05
1850	567035.3	4216664.98	8.34E-04	9.01E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05
1851	567044.39	4216662.79	8.21E-04	8.86E-04	7.12E-04	7.84E-04	8.61E-05	1.27E-04	7.50E-05	7.82E-05
1852	567053.48	4216660.6	8.08E-04	8.72E-04	7.01E-04	7.71E-04	8.47E-05	1.25E-04	7.38E-05	7.70E-05
1853	567062.57	4216658.42	7.95E-04	8.58E-04	6.90E-04	7.59E-04	8.34E-05	1.23E-04	7.26E-05	7.58E-05
1854	567071.67	4216656.23	7.83E-04	8.45E-04	6.79E-04	7.48E-04	8.21E-05	1.21E-04	7.15E-05	7.46E-05
1855	567080.76	4216654.05	7.72E-04	8.34E-04	6.70E-04	7.38E-04	8.10E-05	1.20E-04	7.05E-05	7.36E-05
1856	566944.08	4216726.26	1.35E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1857	566926.94	4216749.91	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
1858	566921.23	4216757.8	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.62E-04	1.55E-04	1.61E-04
1859	566892.67	4216797.22	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.04E-04
1860	566886.96	4216805.11	2.22E-03	2.40E-03	1.93E-03	2.12E-03	2.33E-04	3.44E-04	2.03E-04	2.12E-04
1861	566881.25	4216812.99	2.30E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.10E-04	2.19E-04
1862	566875.53	4216820.88	2.36E-03	2.55E-03	2.05E-03	2.26E-03	2.48E-04	3.66E-04	2.16E-04	2.25E-04
1863	566869.82	4216828.76	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
1864	566864.11	4216836.65	2.47E-03	2.67E-03	2.15E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
1865	566858.4	4216844.53	2.51E-03	2.71E-03	2.18E-03	2.40E-03	2.64E-04	3.89E-04	2.30E-04	2.40E-04
1866	566852.69	4216852.42	2.55E-03	2.75E-03	2.21E-03	2.43E-03	2.67E-04	3.94E-04	2.33E-04	2.43E-04
1867	566846.97	4216860.3	2.57E-03	2.77E-03	2.23E-03	2.45E-03	2.69E-04	3.97E-04	2.35E-04	2.45E-04
1868	566942.73	4216714.62	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.12E-04	1.17E-04
1869	566956.23	4216703.06	1.12E-03	1.21E-03	9.75E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
1870	566969.73	4216691.51	1.03E-03	1.11E-03	8.93E-04	9.83E-04	1.08E-04	1.59E-04	9.40E-05	9.81E-05
1871	566976.48	4216685.73	9.85E-04	1.06E-03	8.55E-04	9.41E-04	1.03E-04	1.52E-04	9.00E-05	9.39E-05
1872	566989.98	4216674.18	9.03E-04	9.75E-04	7.83E-04	8.62E-04	9.47E-05	1.40E-04	8.25E-05	8.61E-05
1873	567029.39	4216656.4	7.86E-04	8.48E-04	6.82E-04	7.51E-04	8.24E-05	1.22E-04	7.18E-05	7.49E-05
1874	567046.66	4216652.24	7.62E-04	8.23E-04	6.62E-04	7.28E-04	8.00E-05	1.18E-04	6.96E-05	7.27E-05
1875	567063.94	4216648.09	7.41E-04	8.00E-04	6.43E-04	7.08E-04	7.78E-05	1.15E-04	6.77E-05	7.07E-05
1876	566924.56	4216736.16	1.43E-03	1.54E-03	1.24E-03	1.37E-03	1.50E-04	2.21E-04	1.31E-04	1.36E-04
1877	566918.85	4216744.05	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.34E-04	1.38E-04	1.44E-04
1878	566913.13	4216751.93	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.47E-04	1.46E-04	1.52E-04
1879	566907.42	4216759.82	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
1880	566901.71	4216767.7	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1881	566878.86	4216799.24	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.98E-04
1882	566873.15	4216807.13	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.31E-04	1.96E-04	2.04E-04
1883	566867.44	4216815.01	2.20E-03	2.38E-03	1.91E-03	2.10E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
1884	566861.72	4216822.9	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.06E-04	2.15E-04
1885	566856.01	4216830.78	2.31E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.57E-04	2.11E-04	2.20E-04
1886	566850.3	4216838.67	2.35E-03	2.53E-03	2.04E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.24E-04

1887	566844.59	4216846.55	2.38E-03	2.57E-03	2.06E-03	2.27E-03	2.49E-04	3.68E-04	2.17E-04	2.27E-04
1888	566838.88	4216854.44	2.40E-03	2.59E-03	2.08E-03	2.29E-03	2.52E-04	3.72E-04	2.19E-04	2.29E-04
1889	566942.09	4216702.36	1.11E-03	1.20E-03	9.66E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
1890	566949.2	4216696.28	1.07E-03	1.15E-03	9.24E-04	1.02E-03	1.12E-04	1.65E-04	9.73E-05	1.02E-04
1891	566956.3	4216690.2	1.02E-03	1.10E-03	8.84E-04	9.73E-04	1.07E-04	1.58E-04	9.31E-05	9.71E-05
1892	566963.41	4216684.12	9.74E-04	1.05E-03	8.45E-04	9.30E-04	1.02E-04	1.51E-04	8.90E-05	9.28E-05
1893	566970.51	4216678.04	9.32E-04	1.01E-03	8.08E-04	8.90E-04	9.77E-05	1.44E-04	8.51E-05	8.88E-05
1894	566977.62	4216671.96	8.91E-04	9.62E-04	7.73E-04	8.51E-04	9.35E-05	1.38E-04	8.14E-05	8.50E-05
1895	566984.72	4216665.88	8.53E-04	9.20E-04	7.40E-04	8.14E-04	8.94E-05	1.32E-04	7.79E-05	8.13E-05
1896	566991.82	4216659.8	8.15E-04	8.80E-04	7.07E-04	7.78E-04	8.55E-05	1.26E-04	7.44E-05	7.77E-05
1897	567017.11	4216649.35	7.52E-04	8.11E-04	6.52E-04	7.18E-04	7.88E-05	1.16E-04	6.87E-05	7.16E-05
1898	567026.21	4216647.16	7.39E-04	7.97E-04	6.41E-04	7.05E-04	7.75E-05	1.14E-04	6.75E-05	7.04E-05
1899	567035.3	4216644.98	7.27E-04	7.85E-04	6.31E-04	6.94E-04	7.63E-05	1.13E-04	6.64E-05	6.93E-05
1900	567044.39	4216642.79	7.16E-04	7.73E-04	6.21E-04	6.84E-04	7.51E-05	1.11E-04	6.54E-05	6.83E-05
1901	567053.48	4216640.6	7.06E-04	7.62E-04	6.12E-04	6.74E-04	7.40E-05	1.09E-04	6.45E-05	6.73E-05
1902	567062.57	4216638.42	6.96E-04	7.52E-04	6.04E-04	6.65E-04	7.30E-05	1.08E-04	6.36E-05	6.64E-05
1903	567071.67	4216636.23	6.88E-04	7.42E-04	5.97E-04	6.57E-04	7.21E-05	1.06E-04	6.28E-05	6.55E-05
1904	567080.76	4216634.05	6.80E-04	7.34E-04	5.90E-04	6.49E-04	7.13E-05	1.05E-04	6.21E-05	6.48E-05
1905	566922.17	4216722.41	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
1906	566916.46	4216730.3	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.24E-04	1.29E-04
1907	566910.75	4216738.18	1.43E-03	1.54E-03	1.24E-03	1.36E-03	1.50E-04	2.21E-04	1.30E-04	1.36E-04
1908	566905.04	4216746.07	1.50E-03	1.62E-03	1.30E-03	1.44E-03	1.58E-04	2.33E-04	1.37E-04	1.43E-04
1909	566899.32	4216753.95	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.66E-04	2.44E-04	1.44E-04	1.50E-04
1910	566893.61	4216761.84	1.65E-03	1.79E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.58E-04
1911	566887.9	4216769.72	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
1912	566865.05	4216801.26	2.00E-03	2.16E-03	1.74E-03	1.91E-03	2.10E-04	3.10E-04	1.83E-04	1.91E-04
1913	566859.34	4216809.15	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04
1914	566853.63	4216817.03	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.01E-04
1915	566847.91	4216824.92	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.34E-04	1.97E-04	2.06E-04
1916	566842.2	4216832.8	2.20E-03	2.37E-03	1.91E-03	2.10E-03	2.30E-04	3.40E-04	2.01E-04	2.09E-04
1917	566836.49	4216840.69	2.23E-03	2.40E-03	1.93E-03	2.13E-03	2.34E-04	3.45E-04	2.03E-04	2.12E-04
1918	566830.78	4216848.57	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.48E-04	2.05E-04	2.14E-04
1919	566940.13	4216691.25	1.02E-03	1.11E-03	8.89E-04	9.79E-04	1.07E-04	1.59E-04	9.36E-05	9.77E-05
1920	566953.69	4216679.64	9.44E-04	1.02E-03	8.19E-04	9.02E-04	9.90E-05	1.46E-04	8.62E-05	9.00E-05
1921	566967.26	4216668.03	8.69E-04	9.38E-04	7.54E-04	8.30E-04	9.11E-05	1.34E-04	7.93E-05	8.28E-05
1922	566974.04	4216662.23	8.33E-04	8.99E-04	7.23E-04	7.96E-04	8.74E-05	1.29E-04	7.61E-05	7.94E-05
1923	566987.6	4216650.62	7.66E-04	8.27E-04	6.65E-04	7.32E-04	8.04E-05	1.19E-04	7.00E-05	7.31E-05
1924	567020.42	4216638.55	6.99E-04	7.55E-04	6.07E-04	6.68E-04	7.33E-05	1.08E-04	6.39E-05	6.66E-05
1925	567037.78	4216634.38	6.79E-04	7.33E-04	5.89E-04	6.48E-04	7.12E-05	1.05E-04	6.20E-05	6.47E-05
1926	567055.13	4216630.21	6.62E-04	7.14E-04	5.74E-04	6.32E-04	6.94E-05	1.02E-04	6.04E-05	6.31E-05
1927	567072.49	4216626.03	6.46E-04	6.97E-04	5.60E-04	6.17E-04	6.78E-05	1.00E-04	5.90E-05	6.16E-05
1928	566914.07	4216716.54	1.22E-03	1.31E-03	1.05E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
1929	566908.36	4216724.43	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.35E-04	1.98E-04	1.17E-04	1.22E-04
1930	566902.65	4216732.31	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.23E-04	1.29E-04
1931	566896.94	4216740.2	1.42E-03	1.53E-03	1.23E-03	1.35E-03	1.49E-04	2.20E-04	1.30E-04	1.35E-04
1932	566891.23	4216748.08	1.49E-03	1.61E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
1933	566885.51	4216755.97	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
1934	566879.8	4216763.85	1.62E-03	1.75E-03	1.41E-03	1.55E-03	1.70E-04	2.51E-04	1.48E-04	1.55E-04
1935	566874.09	4216771.74	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.77E-04	2.62E-04	1.55E-04	1.61E-04
1936	566845.53	4216811.16	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
1937	566839.82	4216819.05	2.02E-03	2.18E-03	1.76E-03	1.93E-03	2.12E-04	3.13E-04	1.85E-04	1.93E-04
1938	566834.1	4216826.93	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04
1939	566828.39	4216834.82	2.09E-03	2.26E-03	1.81E-03	2.00E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
1940	566822.68	4216842.7	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.01E-04

1941	566933	4216684.55	9.76E-04	1.05E-03	8.46E-04	9.32E-04	1.02E-04	1.51E-04	8.91E-05	9.30E-05
1942	566940.11	4216678.47	9.36E-04	1.01E-03	8.12E-04	8.94E-04	9.82E-05	1.45E-04	8.55E-05	8.92E-05
1943	566947.21	4216672.39	8.98E-04	9.69E-04	7.79E-04	8.58E-04	9.42E-05	1.39E-04	8.20E-05	8.56E-05
1944	566954.32	4216666.31	8.61E-04	9.29E-04	7.47E-04	8.22E-04	9.03E-05	1.33E-04	7.86E-05	8.20E-05
1945	566961.42	4216660.23	8.24E-04	8.89E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.85E-05
1946	566968.52	4216654.15	7.89E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.52E-05
1947	566975.63	4216648.07	7.57E-04	8.17E-04	6.56E-04	7.23E-04	7.94E-05	1.17E-04	6.91E-05	7.21E-05
1948	566911.69	4216702.79	1.10E-03	1.18E-03	9.52E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
1949	566905.98	4216710.68	1.16E-03	1.25E-03	1.00E-03	1.10E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
1950	566900.26	4216718.56	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
1951	566894.55	4216726.45	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
1952	566888.84	4216734.33	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1953	566883.13	4216742.22	1.40E-03	1.52E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
1954	566877.42	4216750.1	1.47E-03	1.58E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
1955	566871.7	4216757.99	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
1956	566865.99	4216765.87	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
1957	566860.28	4216773.76	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
1958	566831.72	4216813.18	1.90E-03	2.05E-03	1.65E-03	1.82E-03	1.99E-04	2.94E-04	1.74E-04	1.81E-04
1959	566826.01	4216821.07	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
1960	566820.29	4216828.95	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.04E-04	1.80E-04	1.87E-04
1961	566814.58	4216836.84	1.99E-03	2.15E-03	1.72E-03	1.90E-03	2.09E-04	3.08E-04	1.82E-04	1.89E-04
1962	566910.4	4216691.1	1.01E-03	1.09E-03	8.76E-04	9.64E-04	1.06E-04	1.56E-04	9.22E-05	9.62E-05
1963	566930.82	4216673.62	9.04E-04	9.76E-04	7.85E-04	8.64E-04	9.49E-05	1.40E-04	8.26E-05	8.62E-05
1964	566944.44	4216661.96	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.29E-04	7.64E-05	7.97E-05
1965	566951.25	4216656.14	8.04E-04	8.68E-04	6.97E-04	7.68E-04	8.43E-05	1.24E-04	7.34E-05	7.66E-05
1966	567011.43	4216620.72	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.59E-05	9.72E-05	5.74E-05	5.99E-05
1967	566903.59	4216696.93	1.05E-03	1.13E-03	9.07E-04	9.99E-04	1.10E-04	1.62E-04	9.55E-05	9.97E-05
1968	566897.88	4216704.81	1.10E-03	1.19E-03	9.55E-04	1.05E-03	1.15E-04	1.70E-04	1.01E-04	1.05E-04
1969	566892.17	4216712.7	1.16E-03	1.25E-03	1.00E-03	1.10E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
1970	566886.45	4216720.58	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
1971	566880.74	4216728.47	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.97E-04	1.16E-04	1.21E-04
1972	566875.03	4216736.35	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.06E-04	1.21E-04	1.27E-04
1973	566869.32	4216744.24	1.39E-03	1.50E-03	1.20E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
1974	566863.6	4216752.12	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
1975	566857.89	4216760.01	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.58E-04	2.32E-04	1.37E-04	1.43E-04
1976	566840.76	4216783.66	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
1977	566817.91	4216815.2	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.67E-04	1.74E-04
1978	566812.19	4216823.09	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.87E-04	1.69E-04	1.76E-04
1979	566806.48	4216830.97	1.87E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
1980	566902.6	4216684.98	9.64E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
1981	566909.7	4216678.9	9.30E-04	1.00E-03	8.07E-04	8.88E-04	9.75E-05	1.44E-04	8.49E-05	8.86E-05
1982	566931.01	4216660.66	8.30E-04	8.96E-04	7.20E-04	7.93E-04	8.70E-05	1.28E-04	7.58E-05	7.91E-05
1983	566959.43	4216636.33	7.05E-04	7.61E-04	6.12E-04	6.74E-04	7.40E-05	1.09E-04	6.44E-05	6.72E-05
1984	566966.54	4216630.25	6.77E-04	7.31E-04	5.87E-04	6.47E-04	7.10E-05	1.05E-04	6.18E-05	6.45E-05
1985	566973.64	4216624.17	6.50E-04	7.02E-04	5.64E-04	6.21E-04	6.82E-05	1.01E-04	5.94E-05	6.20E-05
1986	566989.84	4216615.91	6.15E-04	6.64E-04	5.33E-04	5.87E-04	6.45E-05	9.52E-05	5.62E-05	5.86E-05
1987	567008.02	4216611.54	5.96E-04	6.43E-04	5.17E-04	5.69E-04	6.25E-05	9.22E-05	5.44E-05	5.68E-05
1988	567017.11	4216609.35	5.87E-04	6.34E-04	5.09E-04	5.61E-04	6.16E-05	9.09E-05	5.36E-05	5.60E-05
1989	567026.21	4216607.16	5.79E-04	6.25E-04	5.02E-04	5.53E-04	6.07E-05	8.96E-05	5.29E-05	5.52E-05
1990	567035.3	4216604.98	5.72E-04	6.17E-04	4.96E-04	5.46E-04	6.00E-05	8.85E-05	5.22E-05	5.45E-05
1991	567044.39	4216602.79	5.64E-04	6.09E-04	4.90E-04	5.39E-04	5.92E-05	8.74E-05	5.16E-05	5.38E-05
1992	567053.48	4216600.6	5.58E-04	6.02E-04	4.84E-04	5.33E-04	5.85E-05	8.63E-05	5.09E-05	5.32E-05
1993	567062.57	4216598.42	5.51E-04	5.95E-04	4.78E-04	5.26E-04	5.78E-05	8.53E-05	5.03E-05	5.25E-05
1994	567071.67	4216596.23	5.45E-04	5.88E-04	4.73E-04	5.21E-04	5.72E-05	8.44E-05	4.98E-05	5.20E-05

1995	567080.76	4216594.05	5.40E-04	5.83E-04	4.68E-04	5.15E-04	5.66E-05	8.35E-05	4.93E-05	5.14E-05
1996	566895.49	4216691.06	1.00E-03	1.08E-03	8.67E-04	9.55E-04	1.05E-04	1.55E-04	9.13E-05	9.53E-05
1997	566889.78	4216698.94	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.62E-04	9.59E-05	1.00E-04
1998	566884.07	4216706.83	1.10E-03	1.19E-03	9.55E-04	1.05E-03	1.15E-04	1.70E-04	1.01E-04	1.05E-04
1999	566878.36	4216714.71	1.15E-03	1.25E-03	1.00E-03	1.10E-03	1.21E-04	1.79E-04	1.05E-04	1.10E-04
2000	566872.64	4216722.6	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
2001	566866.93	4216730.48	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
2002	566861.22	4216738.37	1.31E-03	1.42E-03	1.14E-03	1.25E-03	1.38E-04	2.03E-04	1.20E-04	1.25E-04
2003	566855.51	4216746.25	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
2004	566838.37	4216769.91	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
2005	566832.66	4216777.79	1.57E-03	1.69E-03	1.36E-03	1.50E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2006	566826.95	4216785.68	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
2007	566798.38	4216825.1	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
2008	566894.22	4216679.35	9.25E-04	9.99E-04	8.03E-04	8.84E-04	9.70E-05	1.43E-04	8.45E-05	8.82E-05
2009	566901.06	4216673.5	8.94E-04	9.65E-04	7.76E-04	8.54E-04	9.38E-05	1.38E-04	8.17E-05	8.52E-05
2010	566907.89	4216667.65	8.63E-04	9.32E-04	7.49E-04	8.25E-04	9.06E-05	1.34E-04	7.89E-05	8.23E-05
2011	566942.04	4216638.42	7.19E-04	7.76E-04	6.24E-04	6.86E-04	7.54E-05	1.11E-04	6.56E-05	6.85E-05
2012	566948.87	4216632.57	6.92E-04	7.47E-04	6.00E-04	6.61E-04	7.25E-05	1.07E-04	6.32E-05	6.59E-05
2013	566955.71	4216626.73	6.66E-04	7.18E-04	5.77E-04	6.36E-04	6.98E-05	1.03E-04	6.08E-05	6.34E-05
2014	566969.37	4216615.03	6.17E-04	6.66E-04	5.35E-04	5.89E-04	6.47E-05	9.55E-05	5.63E-05	5.88E-05
2015	566984.94	4216607.08	5.85E-04	6.31E-04	5.07E-04	5.59E-04	6.14E-05	9.05E-05	5.34E-05	5.58E-05
2016	567002.43	4216602.88	5.68E-04	6.13E-04	4.93E-04	5.42E-04	5.95E-05	8.79E-05	5.19E-05	5.41E-05
2017	567019.91	4216598.68	5.53E-04	5.97E-04	4.80E-04	5.28E-04	5.80E-05	8.56E-05	5.05E-05	5.27E-05
2018	567037.4	4216594.47	5.39E-04	5.82E-04	4.68E-04	5.15E-04	5.66E-05	8.35E-05	4.93E-05	5.14E-05
2019	567054.88	4216590.27	5.27E-04	5.69E-04	4.57E-04	5.04E-04	5.53E-05	8.16E-05	4.82E-05	5.02E-05
2020	567063.62	4216588.17	5.22E-04	5.63E-04	4.53E-04	4.98E-04	5.47E-05	8.08E-05	4.77E-05	4.97E-05
2021	566881.68	4216693.08	1.00E-03	1.08E-03	8.70E-04	9.58E-04	1.05E-04	1.55E-04	9.16E-05	9.56E-05
2022	566875.97	4216700.96	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.63E-04	9.59E-05	1.00E-04
2023	566870.26	4216708.85	1.10E-03	1.19E-03	9.53E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
2024	566864.54	4216716.73	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
2025	566858.83	4216724.62	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
2026	566853.12	4216732.5	1.25E-03	1.34E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
2027	566847.41	4216740.39	1.30E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2028	566835.98	4216756.16	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.33E-04
2029	566830.27	4216764.04	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
2030	566824.56	4216771.93	1.48E-03	1.60E-03	1.29E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
2031	566818.85	4216779.81	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
2032	566813.13	4216787.7	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2033	566886.4	4216673.25	8.86E-04	9.57E-04	7.69E-04	8.47E-04	9.30E-05	1.37E-04	8.10E-05	8.45E-05
2034	566921.92	4216642.84	7.40E-04	7.99E-04	6.42E-04	7.07E-04	7.76E-05	1.15E-04	6.76E-05	7.05E-05
2035	566929.03	4216636.76	7.13E-04	7.70E-04	6.19E-04	6.81E-04	7.48E-05	1.10E-04	6.51E-05	6.80E-05
2036	566936.13	4216630.68	6.86E-04	7.41E-04	5.96E-04	6.56E-04	7.20E-05	1.06E-04	6.27E-05	6.54E-05
2037	566943.24	4216624.6	6.60E-04	7.13E-04	5.73E-04	6.31E-04	6.93E-05	1.02E-04	6.03E-05	6.29E-05
2038	566950.34	4216618.52	6.35E-04	6.85E-04	5.51E-04	6.07E-04	6.66E-05	9.83E-05	5.80E-05	6.05E-05
2039	566957.44	4216612.44	6.11E-04	6.59E-04	5.30E-04	5.83E-04	6.41E-05	9.45E-05	5.58E-05	5.82E-05
2040	566964.55	4216606.36	5.87E-04	6.34E-04	5.10E-04	5.61E-04	6.16E-05	9.09E-05	5.37E-05	5.60E-05
2041	566980.75	4216598.09	5.57E-04	6.01E-04	4.83E-04	5.32E-04	5.84E-05	8.62E-05	5.09E-05	5.31E-05
2042	567008.02	4216591.54	5.33E-04	5.75E-04	4.62E-04	5.09E-04	5.59E-05	8.24E-05	4.87E-05	5.08E-05
2043	567017.11	4216589.35	5.26E-04	5.68E-04	4.56E-04	5.02E-04	5.52E-05	8.14E-05	4.80E-05	5.01E-05
2044	567026.21	4216587.16	5.19E-04	5.61E-04	4.51E-04	4.96E-04	5.45E-05	8.04E-05	4.74E-05	4.95E-05
2045	567035.3	4216584.98	5.13E-04	5.54E-04	4.45E-04	4.90E-04	5.38E-05	7.94E-05	4.68E-05	4.89E-05
2046	567044.39	4216582.79	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.31E-05	7.84E-05	4.63E-05	4.83E-05
2047	567053.48	4216580.6	5.01E-04	5.41E-04	4.35E-04	4.78E-04	5.25E-05	7.75E-05	4.58E-05	4.77E-05
2048	567062.57	4216578.42	4.96E-04	5.35E-04	4.30E-04	4.74E-04	5.20E-05	7.68E-05	4.53E-05	4.73E-05

2049	567071.67	4216576.23	4.91E-04	5.30E-04	4.26E-04	4.69E-04	5.15E-05	7.60E-05	4.49E-05	4.68E-05
2050	567080.76	4216574.05	4.87E-04	5.26E-04	4.23E-04	4.65E-04	5.11E-05	7.54E-05	4.45E-05	4.64E-05
2051	566879.3	4216679.33	9.17E-04	9.90E-04	7.96E-04	8.76E-04	9.62E-05	1.42E-04	8.38E-05	8.74E-05
2052	566873.58	4216687.21	9.59E-04	1.04E-03	8.32E-04	9.16E-04	1.01E-04	1.49E-04	8.76E-05	9.14E-05
2053	566867.87	4216695.1	1.00E-03	1.08E-03	8.70E-04	9.58E-04	1.05E-04	1.55E-04	9.16E-05	9.56E-05
2054	566862.16	4216702.98	1.05E-03	1.13E-03	9.08E-04	1.00E-03	1.10E-04	1.62E-04	9.56E-05	9.98E-05
2055	566856.45	4216710.87	1.09E-03	1.18E-03	9.48E-04	1.04E-03	1.15E-04	1.69E-04	9.98E-05	1.04E-04
2056	566850.73	4216718.75	1.14E-03	1.23E-03	9.87E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
2057	566845.02	4216726.64	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
2058	566827.89	4216750.29	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.26E-04
2059	566822.17	4216758.18	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
2060	566816.46	4216766.06	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2061	566810.75	4216773.95	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.32E-04	1.37E-04
2062	566805.04	4216781.83	1.48E-03	1.59E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
2063	566799.32	4216789.72	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.34E-04	1.38E-04	1.44E-04
2064	566793.61	4216797.6	1.54E-03	1.66E-03	1.34E-03	1.47E-03	1.62E-04	2.38E-04	1.41E-04	1.47E-04
2065	566900.71	4216648.2	7.63E-04	8.23E-04	6.62E-04	7.28E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
2066	566922.84	4216629.26	6.82E-04	7.36E-04	5.91E-04	6.51E-04	7.15E-05	1.06E-04	6.23E-05	6.50E-05
2067	566930.22	4216622.94	6.56E-04	7.08E-04	5.69E-04	6.27E-04	6.88E-05	1.02E-04	5.99E-05	6.25E-05
2068	566937.6	4216616.63	6.31E-04	6.81E-04	5.48E-04	6.03E-04	6.62E-05	9.77E-05	5.77E-05	6.02E-05
2069	566944.97	4216610.32	6.07E-04	6.55E-04	5.26E-04	5.80E-04	6.36E-05	9.39E-05	5.54E-05	5.78E-05
2070	566952.35	4216604	5.83E-04	6.30E-04	5.06E-04	5.57E-04	6.12E-05	9.03E-05	5.33E-05	5.56E-05
2071	566959.73	4216597.69	5.61E-04	6.05E-04	4.86E-04	5.36E-04	5.88E-05	8.68E-05	5.12E-05	5.34E-05
2072	566976.55	4216589.1	5.31E-04	5.73E-04	4.60E-04	5.07E-04	5.57E-05	8.21E-05	4.85E-05	5.06E-05
2073	567004.87	4216582.29	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.32E-05	7.85E-05	4.63E-05	4.83E-05
2074	567014.32	4216580.02	5.01E-04	5.41E-04	4.35E-04	4.78E-04	5.25E-05	7.75E-05	4.58E-05	4.77E-05
2075	567023.76	4216577.75	4.95E-04	5.34E-04	4.29E-04	4.73E-04	5.19E-05	7.66E-05	4.52E-05	4.72E-05
2076	567033.2	4216575.48	4.89E-04	5.27E-04	4.24E-04	4.67E-04	5.12E-05	7.56E-05	4.46E-05	4.66E-05
2077	567042.64	4216573.21	4.82E-04	5.21E-04	4.19E-04	4.61E-04	5.06E-05	7.47E-05	4.41E-05	4.60E-05
2078	567052.08	4216570.94	4.77E-04	5.15E-04	4.14E-04	4.56E-04	5.00E-05	7.38E-05	4.36E-05	4.55E-05
2079	567061.52	4216568.67	4.72E-04	5.10E-04	4.10E-04	4.51E-04	4.95E-05	7.31E-05	4.31E-05	4.50E-05
2080	567070.97	4216566.4	4.68E-04	5.05E-04	4.06E-04	4.47E-04	4.91E-05	7.24E-05	4.27E-05	4.46E-05
2081	567080.41	4216564.13	4.64E-04	5.00E-04	4.02E-04	4.43E-04	4.86E-05	7.17E-05	4.23E-05	4.42E-05
2082	566865.48	4216681.34	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
2083	566859.77	4216689.23	9.59E-04	1.03E-03	8.32E-04	9.16E-04	1.01E-04	1.48E-04	8.76E-05	9.14E-05
2084	566854.06	4216697.11	1.00E-03	1.08E-03	8.67E-04	9.55E-04	1.05E-04	1.55E-04	9.13E-05	9.53E-05
2085	566848.35	4216705	1.04E-03	1.12E-03	9.04E-04	9.95E-04	1.09E-04	1.61E-04	9.51E-05	9.93E-05
2086	566842.64	4216712.88	1.08E-03	1.17E-03	9.40E-04	1.04E-03	1.14E-04	1.68E-04	9.90E-05	1.03E-04
2087	566825.5	4216736.54	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.87E-04	1.11E-04	1.15E-04
2088	566819.79	4216744.42	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
2089	566814.07	4216752.31	1.29E-03	1.40E-03	1.12E-03	1.23E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2090	566808.36	4216760.19	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
2091	566802.65	4216768.08	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
2092	566796.94	4216775.96	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2093	566791.23	4216783.85	1.43E-03	1.55E-03	1.24E-03	1.37E-03	1.50E-04	2.22E-04	1.31E-04	1.37E-04
2094	566785.51	4216791.73	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
2095	566779.8	4216799.62	1.49E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
2096	566877.31	4216655.43	7.91E-04	8.54E-04	6.86E-04	7.56E-04	8.30E-05	1.22E-04	7.23E-05	7.54E-05
2097	566884.41	4216649.35	7.65E-04	8.26E-04	6.64E-04	7.31E-04	8.02E-05	1.18E-04	6.99E-05	7.29E-05
2098	566891.52	4216643.27	7.39E-04	7.98E-04	6.41E-04	7.06E-04	7.75E-05	1.14E-04	6.75E-05	7.04E-05
2099	566898.62	4216637.19	7.14E-04	7.70E-04	6.19E-04	6.82E-04	7.49E-05	1.10E-04	6.52E-05	6.80E-05
2100	566919.93	4216618.95	6.42E-04	6.93E-04	5.57E-04	6.13E-04	6.73E-05	9.94E-05	5.86E-05	6.12E-05
2101	566927.04	4216612.87	6.19E-04	6.69E-04	5.37E-04	5.92E-04	6.50E-05	9.59E-05	5.66E-05	5.90E-05
2102	566934.14	4216606.79	5.97E-04	6.45E-04	5.18E-04	5.71E-04	6.27E-05	9.25E-05	5.46E-05	5.69E-05

2103	566941.25	4216600.71	5.75E-04	6.21E-04	4.99E-04	5.50E-04	6.03E-05	8.90E-05	5.25E-05	5.48E-05
2104	566948.35	4216594.63	5.54E-04	5.98E-04	4.81E-04	5.29E-04	5.81E-05	8.58E-05	5.06E-05	5.28E-05
2105	566955.46	4216588.55	5.34E-04	5.77E-04	4.63E-04	5.10E-04	5.60E-05	8.27E-05	4.88E-05	5.09E-05
2106	566971.65	4216580.28	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.32E-05	7.85E-05	4.63E-05	4.83E-05
2107	566998.93	4216573.72	4.85E-04	5.24E-04	4.21E-04	4.64E-04	5.09E-05	7.51E-05	4.43E-05	4.63E-05
2108	567008.02	4216571.54	4.80E-04	5.18E-04	4.16E-04	4.58E-04	5.03E-05	7.42E-05	4.38E-05	4.57E-05
2109	567017.11	4216569.35	4.74E-04	5.12E-04	4.11E-04	4.53E-04	4.97E-05	7.34E-05	4.33E-05	4.52E-05
2110	567026.21	4216567.16	4.69E-04	5.06E-04	4.07E-04	4.48E-04	4.92E-05	7.26E-05	4.28E-05	4.47E-05
2111	567035.3	4216564.98	4.63E-04	5.00E-04	4.02E-04	4.43E-04	4.86E-05	7.17E-05	4.23E-05	4.42E-05
2112	567044.39	4216562.79	4.58E-04	4.95E-04	3.98E-04	4.38E-04	4.81E-05	7.09E-05	4.19E-05	4.37E-05
2113	567053.48	4216560.6	4.54E-04	4.90E-04	3.94E-04	4.33E-04	4.76E-05	7.02E-05	4.14E-05	4.32E-05
2114	567062.57	4216558.42	4.49E-04	4.85E-04	3.90E-04	4.29E-04	4.71E-05	6.96E-05	4.11E-05	4.28E-05
2115	567071.67	4216556.23	4.45E-04	4.81E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.07E-05	4.25E-05
2116	567080.76	4216554.05	4.42E-04	4.77E-04	3.83E-04	4.22E-04	4.63E-05	6.84E-05	4.03E-05	4.21E-05
2117	566851.67	4216683.36	9.17E-04	9.90E-04	7.96E-04	8.76E-04	9.62E-05	1.42E-04	8.38E-05	8.74E-05
2118	566845.96	4216691.25	9.56E-04	1.03E-03	8.29E-04	9.13E-04	1.00E-04	1.48E-04	8.73E-05	9.11E-05
2119	566840.25	4216699.13	9.95E-04	1.07E-03	8.63E-04	9.50E-04	1.04E-04	1.54E-04	9.09E-05	9.48E-05
2120	566823.11	4216722.79	1.11E-03	1.20E-03	9.66E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
2121	566817.4	4216730.67	1.15E-03	1.24E-03	1.00E-03	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
2122	566811.69	4216738.56	1.19E-03	1.29E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.14E-04
2123	566805.98	4216746.44	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
2124	566800.26	4216754.33	1.26E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2125	566794.55	4216762.21	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
2126	566788.84	4216770.1	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
2127	566783.13	4216777.98	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
2128	566777.42	4216785.87	1.39E-03	1.50E-03	1.20E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
2129	566771.7	4216793.75	1.41E-03	1.52E-03	1.22E-03	1.35E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
2130	566765.99	4216801.64	1.43E-03	1.55E-03	1.24E-03	1.37E-03	1.50E-04	2.22E-04	1.31E-04	1.36E-04
2131	566862.36	4216655.43	7.85E-04	8.47E-04	6.81E-04	7.49E-04	8.23E-05	1.21E-04	7.17E-05	7.48E-05
2132	566869.72	4216649.13	7.59E-04	8.20E-04	6.59E-04	7.25E-04	7.97E-05	1.18E-04	6.94E-05	7.24E-05
2133	566877.08	4216642.83	7.34E-04	7.93E-04	6.37E-04	7.01E-04	7.70E-05	1.14E-04	6.71E-05	7.00E-05
2134	566884.43	4216636.53	7.09E-04	7.66E-04	6.16E-04	6.78E-04	7.44E-05	1.10E-04	6.48E-05	6.76E-05
2135	566891.79	4216630.24	6.85E-04	7.39E-04	5.94E-04	6.54E-04	7.18E-05	1.06E-04	6.26E-05	6.53E-05
2136	566913.87	4216611.34	6.15E-04	6.64E-04	5.34E-04	5.88E-04	6.45E-05	9.52E-05	5.62E-05	5.86E-05
2137	566921.22	4216605.05	5.93E-04	6.40E-04	5.15E-04	5.67E-04	6.22E-05	9.18E-05	5.42E-05	5.65E-05
2138	566928.58	4216598.75	5.72E-04	6.17E-04	4.96E-04	5.46E-04	6.00E-05	8.85E-05	5.22E-05	5.45E-05
2139	566935.94	4216592.45	5.50E-04	5.94E-04	4.78E-04	5.26E-04	5.77E-05	8.52E-05	5.03E-05	5.25E-05
2140	566943.3	4216586.15	5.30E-04	5.72E-04	4.60E-04	5.06E-04	5.56E-05	8.20E-05	4.84E-05	5.05E-05
2141	566950.66	4216579.86	5.11E-04	5.51E-04	4.43E-04	4.88E-04	5.36E-05	7.91E-05	4.67E-05	4.87E-05
2142	566967.43	4216571.29	4.85E-04	5.23E-04	4.21E-04	4.63E-04	5.08E-05	7.50E-05	4.43E-05	4.62E-05
2143	566976.85	4216569.03	4.77E-04	5.15E-04	4.14E-04	4.56E-04	5.01E-05	7.39E-05	4.36E-05	4.55E-05
2144	566995.68	4216564.5	4.64E-04	5.01E-04	4.02E-04	4.43E-04	4.86E-05	7.18E-05	4.24E-05	4.42E-05
2145	567005.1	4216562.24	4.58E-04	4.94E-04	3.97E-04	4.38E-04	4.80E-05	7.09E-05	4.18E-05	4.37E-05
2146	567014.52	4216559.97	4.53E-04	4.89E-04	3.93E-04	4.32E-04	4.75E-05	7.01E-05	4.13E-05	4.31E-05
2147	567023.93	4216557.71	4.47E-04	4.83E-04	3.88E-04	4.27E-04	4.69E-05	6.93E-05	4.09E-05	4.26E-05
2148	567033.35	4216555.45	4.42E-04	4.77E-04	3.84E-04	4.23E-04	4.64E-05	6.85E-05	4.04E-05	4.22E-05
2149	567042.77	4216553.18	4.38E-04	4.72E-04	3.80E-04	4.18E-04	4.59E-05	6.77E-05	4.00E-05	4.17E-05
2150	567052.18	4216550.92	4.33E-04	4.68E-04	3.76E-04	4.14E-04	4.55E-05	6.71E-05	3.96E-05	4.13E-05
2151	567061.6	4216548.65	4.29E-04	4.63E-04	3.72E-04	4.10E-04	4.50E-05	6.64E-05	3.92E-05	4.09E-05
2152	567071.02	4216546.39	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
2153	567080.43	4216544.12	4.22E-04	4.55E-04	3.66E-04	4.03E-04	4.42E-05	6.53E-05	3.85E-05	4.02E-05
2154	566855	4216661.73	8.10E-04	8.74E-04	7.03E-04	7.74E-04	8.49E-05	1.25E-04	7.40E-05	7.72E-05
2155	566837.86	4216685.38	9.15E-04	9.87E-04	7.94E-04	8.74E-04	9.59E-05	1.42E-04	8.35E-05	8.72E-05
2156	566820.73	4216709.04	1.02E-03	1.11E-03	8.89E-04	9.79E-04	1.07E-04	1.59E-04	9.36E-05	9.77E-05

2157	566815.02	4216716.92	1.06E-03	1.15E-03	9.21E-04	1.01E-03	1.11E-04	1.64E-04	9.70E-05	1.01E-04
2158	566809.3	4216724.81	1.10E-03	1.19E-03	9.53E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
2159	566803.59	4216732.69	1.13E-03	1.22E-03	9.84E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
2160	566797.88	4216740.58	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
2161	566792.17	4216748.46	1.20E-03	1.30E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
2162	566786.45	4216756.35	1.24E-03	1.33E-03	1.07E-03	1.18E-03	1.30E-04	1.91E-04	1.13E-04	1.18E-04
2163	566780.74	4216764.23	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2164	566775.03	4216772.12	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2165	566769.32	4216780	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.21E-04	1.26E-04
2166	566763.61	4216787.89	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2167	566757.89	4216795.77	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
2168	566854.01	4216649.78	7.55E-04	8.15E-04	6.55E-04	7.22E-04	7.92E-05	1.17E-04	6.90E-05	7.20E-05
2169	566861.11	4216643.7	7.33E-04	7.91E-04	6.36E-04	7.00E-04	7.69E-05	1.13E-04	6.69E-05	6.98E-05
2170	566868.22	4216637.62	7.10E-04	7.67E-04	6.16E-04	6.79E-04	7.45E-05	1.10E-04	6.49E-05	6.77E-05
2171	566875.32	4216631.54	6.88E-04	7.43E-04	5.97E-04	6.57E-04	7.22E-05	1.07E-04	6.29E-05	6.56E-05
2172	566882.42	4216625.46	6.66E-04	7.19E-04	5.78E-04	6.36E-04	6.98E-05	1.03E-04	6.08E-05	6.35E-05
2173	566889.53	4216619.38	6.44E-04	6.95E-04	5.59E-04	6.15E-04	6.76E-05	9.97E-05	5.88E-05	6.14E-05
2174	566910.84	4216601.13	5.82E-04	6.28E-04	5.05E-04	5.55E-04	6.10E-05	9.00E-05	5.31E-05	5.54E-05
2175	566917.95	4216595.05	5.62E-04	6.06E-04	4.87E-04	5.37E-04	5.89E-05	8.69E-05	5.13E-05	5.35E-05
2176	566925.05	4216588.97	5.42E-04	5.85E-04	4.70E-04	5.18E-04	5.69E-05	8.39E-05	4.95E-05	5.17E-05
2177	566932.16	4216582.89	5.23E-04	5.65E-04	4.54E-04	5.00E-04	5.49E-05	8.10E-05	4.78E-05	4.99E-05
2178	566939.26	4216576.81	5.05E-04	5.45E-04	4.38E-04	4.82E-04	5.30E-05	7.82E-05	4.61E-05	4.81E-05
2179	566946.36	4216570.73	4.88E-04	5.27E-04	4.23E-04	4.66E-04	5.12E-05	7.55E-05	4.46E-05	4.65E-05
2180	566962.56	4216562.47	4.64E-04	5.01E-04	4.03E-04	4.44E-04	4.87E-05	7.19E-05	4.24E-05	4.43E-05
2181	566971.65	4216560.28	4.58E-04	4.94E-04	3.97E-04	4.37E-04	4.80E-05	7.08E-05	4.18E-05	4.36E-05
2182	566989.84	4216555.91	4.45E-04	4.81E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.07E-05	4.24E-05
2183	566998.93	4216553.72	4.40E-04	4.75E-04	3.82E-04	4.20E-04	4.61E-05	6.81E-05	4.02E-05	4.19E-05
2184	567008.02	4216551.54	4.35E-04	4.69E-04	3.77E-04	4.15E-04	4.56E-05	6.73E-05	3.97E-05	4.14E-05
2185	567017.11	4216549.35	4.30E-04	4.64E-04	3.73E-04	4.11E-04	4.51E-05	6.65E-05	3.93E-05	4.10E-05
2186	567026.21	4216547.16	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
2187	567035.3	4216544.98	4.21E-04	4.54E-04	3.65E-04	4.02E-04	4.42E-05	6.52E-05	3.85E-05	4.01E-05
2188	567044.39	4216542.79	4.17E-04	4.50E-04	3.62E-04	3.98E-04	4.37E-05	6.45E-05	3.81E-05	3.97E-05
2189	567053.48	4216540.6	4.13E-04	4.46E-04	3.59E-04	3.95E-04	4.34E-05	6.40E-05	3.78E-05	3.94E-05
2190	567062.57	4216538.42	4.10E-04	4.42E-04	3.55E-04	3.91E-04	4.30E-05	6.34E-05	3.74E-05	3.90E-05
2191	567071.67	4216536.23	4.06E-04	4.38E-04	3.52E-04	3.88E-04	4.26E-05	6.29E-05	3.71E-05	3.87E-05
2192	567080.76	4216534.05	4.03E-04	4.35E-04	3.50E-04	3.85E-04	4.23E-05	6.24E-05	3.68E-05	3.84E-05
2193	566846.9	4216655.86	7.78E-04	8.40E-04	6.75E-04	7.43E-04	8.16E-05	1.20E-04	7.11E-05	7.42E-05
2194	566841.19	4216663.74	8.10E-04	8.75E-04	7.03E-04	7.74E-04	8.50E-05	1.25E-04	7.40E-05	7.72E-05
2195	566818.34	4216695.28	9.45E-04	1.02E-03	8.20E-04	9.02E-04	9.91E-05	1.46E-04	8.63E-05	9.00E-05
2196	566812.63	4216703.17	9.79E-04	1.06E-03	8.50E-04	9.35E-04	1.03E-04	1.52E-04	8.94E-05	9.33E-05
2197	566806.92	4216711.05	1.01E-03	1.09E-03	8.80E-04	9.68E-04	1.06E-04	1.57E-04	9.26E-05	9.66E-05
2198	566801.2	4216718.94	1.05E-03	1.13E-03	9.09E-04	1.00E-03	1.10E-04	1.62E-04	9.57E-05	9.99E-05
2199	566795.49	4216726.82	1.08E-03	1.17E-03	9.39E-04	1.03E-03	1.13E-04	1.67E-04	9.88E-05	1.03E-04
2200	566789.78	4216734.71	1.11E-03	1.20E-03	9.67E-04	1.06E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
2201	566784.07	4216742.59	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
2202	566778.36	4216750.48	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.08E-04	1.12E-04
2203	566772.64	4216758.36	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.87E-04	1.10E-04	1.15E-04
2204	566766.93	4216766.25	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.17E-04
2205	566761.22	4216774.13	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
2206	566755.51	4216782.02	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2207	566749.79	4216789.9	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
2208	566846.15	4216643.71	7.26E-04	7.84E-04	6.30E-04	6.94E-04	7.62E-05	1.12E-04	6.64E-05	6.92E-05
2209	566853.49	4216637.43	7.05E-04	7.61E-04	6.11E-04	6.73E-04	7.39E-05	1.09E-04	6.44E-05	6.72E-05
2210	566860.83	4216631.14	6.83E-04	7.37E-04	5.93E-04	6.52E-04	7.16E-05	1.06E-04	6.24E-05	6.51E-05

2211	566868.17	4216624.86	6.62E-04	7.14E-04	5.74E-04	6.32E-04	6.94E-05	1.02E-04	6.04E-05	6.31E-05
2212	566875.51	4216618.58	6.40E-04	6.91E-04	5.56E-04	6.12E-04	6.72E-05	9.91E-05	5.85E-05	6.10E-05
2213	566882.85	4216612.29	6.19E-04	6.69E-04	5.37E-04	5.92E-04	6.50E-05	9.59E-05	5.66E-05	5.90E-05
2214	566890.19	4216606.01	5.99E-04	6.46E-04	5.19E-04	5.72E-04	6.28E-05	9.27E-05	5.47E-05	5.71E-05
2215	566912.22	4216587.16	5.39E-04	5.82E-04	4.68E-04	5.15E-04	5.66E-05	8.35E-05	4.93E-05	5.14E-05
2216	566919.56	4216580.88	5.20E-04	5.62E-04	4.51E-04	4.97E-04	5.46E-05	8.05E-05	4.75E-05	4.96E-05
2217	566926.9	4216574.59	5.02E-04	5.42E-04	4.35E-04	4.79E-04	5.26E-05	7.77E-05	4.58E-05	4.78E-05
2218	566934.24	4216568.31	4.84E-04	5.23E-04	4.20E-04	4.63E-04	5.08E-05	7.50E-05	4.42E-05	4.62E-05
2219	566941.58	4216562.03	4.68E-04	5.05E-04	4.06E-04	4.47E-04	4.90E-05	7.24E-05	4.27E-05	4.46E-05
2220	566958.32	4216553.49	4.45E-04	4.80E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.06E-05	4.24E-05
2221	566967.71	4216551.23	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.78E-05	4.00E-05	4.18E-05
2222	566986.5	4216546.71	4.27E-04	4.61E-04	3.70E-04	4.08E-04	4.47E-05	6.60E-05	3.90E-05	4.07E-05
2223	566995.9	4216544.45	4.21E-04	4.55E-04	3.66E-04	4.02E-04	4.42E-05	6.52E-05	3.85E-05	4.02E-05
2224	567005.29	4216542.19	4.16E-04	4.49E-04	3.61E-04	3.98E-04	4.37E-05	6.44E-05	3.80E-05	3.97E-05
2225	567014.69	4216539.93	4.11E-04	4.44E-04	3.57E-04	3.93E-04	4.31E-05	6.37E-05	3.76E-05	3.92E-05
2226	567024.08	4216537.67	4.07E-04	4.39E-04	3.53E-04	3.89E-04	4.27E-05	6.30E-05	3.72E-05	3.88E-05
2227	567033.48	4216535.41	4.03E-04	4.35E-04	3.49E-04	3.85E-04	4.22E-05	6.23E-05	3.68E-05	3.84E-05
2228	567042.87	4216533.15	3.99E-04	4.31E-04	3.46E-04	3.81E-04	4.18E-05	6.17E-05	3.64E-05	3.80E-05
2229	567052.27	4216530.9	3.95E-04	4.27E-04	3.43E-04	3.78E-04	4.15E-05	6.12E-05	3.61E-05	3.77E-05
2230	567061.66	4216528.64	3.92E-04	4.23E-04	3.40E-04	3.74E-04	4.11E-05	6.07E-05	3.58E-05	3.74E-05
2231	567071.06	4216526.38	3.89E-04	4.20E-04	3.37E-04	3.72E-04	4.08E-05	6.02E-05	3.55E-05	3.71E-05
2232	567080.45	4216524.12	3.86E-04	4.17E-04	3.35E-04	3.69E-04	4.05E-05	5.98E-05	3.53E-05	3.68E-05
2233	566838.8	4216649.99	7.48E-04	8.08E-04	6.49E-04	7.15E-04	7.85E-05	1.16E-04	6.84E-05	7.13E-05
2234	566833.09	4216657.88	7.79E-04	8.40E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
2235	566827.38	4216665.76	8.09E-04	8.74E-04	7.02E-04	7.73E-04	8.49E-05	1.25E-04	7.39E-05	7.72E-05
2236	566804.53	4216697.3	9.37E-04	1.01E-03	8.13E-04	8.95E-04	9.83E-05	1.45E-04	8.56E-05	8.93E-05
2237	566798.82	4216705.19	9.69E-04	1.05E-03	8.41E-04	9.26E-04	1.02E-04	1.50E-04	8.85E-05	9.24E-05
2238	566793.11	4216713.07	1.00E-03	1.08E-03	8.69E-04	9.56E-04	1.05E-04	1.55E-04	9.15E-05	9.54E-05
2239	566787.39	4216720.96	1.03E-03	1.12E-03	8.96E-04	9.87E-04	1.08E-04	1.60E-04	9.44E-05	9.85E-05
2240	566781.68	4216728.84	1.06E-03	1.15E-03	9.23E-04	1.02E-03	1.12E-04	1.65E-04	9.72E-05	1.01E-04
2241	566775.97	4216736.73	1.09E-03	1.18E-03	9.49E-04	1.04E-03	1.15E-04	1.69E-04	9.99E-05	1.04E-04
2242	566770.26	4216744.61	1.12E-03	1.21E-03	9.74E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
2243	566764.55	4216752.5	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
2244	566758.83	4216760.38	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2245	566753.12	4216768.27	1.20E-03	1.29E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.14E-04
2246	566747.41	4216776.15	1.22E-03	1.32E-03	1.06E-03	1.16E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
2247	566741.7	4216784.04	1.24E-03	1.34E-03	1.07E-03	1.18E-03	1.30E-04	1.92E-04	1.13E-04	1.18E-04
2248	566996.35	4216991.83	1.48E-02	1.59E-02	1.28E-02	1.41E-02	1.55E-03	2.28E-03	1.35E-03	1.41E-03
2249	566983.49	4216995.37	1.15E-02	1.24E-02	1.00E-02	1.10E-02	1.21E-03	1.78E-03	1.05E-03	1.10E-03
2250	566998.28	4217005.03	1.21E-02	1.31E-02	1.05E-02	1.16E-02	1.27E-03	1.88E-03	1.11E-03	1.16E-03
2251	566959.26	4216971.55	9.60E-03	1.04E-02	8.33E-03	9.17E-03	1.01E-03	1.49E-03	8.77E-04	9.15E-04
2252	566978.02	4217003.74	9.63E-03	1.04E-02	8.36E-03	9.20E-03	1.01E-03	1.49E-03	8.80E-04	9.18E-04
2253	566992.81	4217013.4	9.90E-03	1.07E-02	8.59E-03	9.45E-03	1.04E-03	1.53E-03	9.04E-04	9.43E-04
2254	567007.6	4217023.07	9.92E-03	1.07E-02	8.61E-03	9.48E-03	1.04E-03	1.54E-03	9.06E-04	9.46E-04
2255	566952.06	4216987.61	8.11E-03	8.76E-03	7.04E-03	7.75E-03	8.51E-04	1.26E-03	7.41E-04	7.73E-04
2256	566949.43	4216973.37	8.34E-03	9.00E-03	7.24E-03	7.97E-03	8.75E-04	1.29E-03	7.62E-04	7.95E-04
2257	566972.55	4217012.11	8.17E-03	8.82E-03	7.09E-03	7.80E-03	8.57E-04	1.26E-03	7.46E-04	7.79E-04
2258	566987.34	4217021.77	8.25E-03	8.91E-03	7.16E-03	7.88E-03	8.66E-04	1.28E-03	7.54E-04	7.87E-04
2259	567002.13	4217031.44	8.11E-03	8.75E-03	7.03E-03	7.74E-03	8.50E-04	1.25E-03	7.40E-04	7.73E-04
2260	566946.59	4216995.98	7.21E-03	7.78E-03	6.26E-03	6.89E-03	7.56E-04	1.12E-03	6.59E-04	6.87E-04
2261	566939.6	4216975.18	7.35E-03	7.93E-03	6.37E-03	7.02E-03	7.70E-04	1.14E-03	6.71E-04	7.00E-04
2262	566943.07	4216959.82	7.82E-03	8.44E-03	6.78E-03	7.47E-03	8.20E-04	1.21E-03	7.14E-04	7.45E-04
2263	566967.08	4217020.48	7.00E-03	7.56E-03	6.07E-03	6.69E-03	7.34E-04	1.08E-03	6.39E-04	6.67E-04
2264	566981.87	4217030.15	6.97E-03	7.52E-03	6.05E-03	6.66E-03	7.31E-04	1.08E-03	6.37E-04	6.64E-04

2265	566996.66	4217039.81	6.73E-03	7.27E-03	5.84E-03	6.43E-03	7.06E-04	1.04E-03	6.15E-04	6.42E-04
2266	566941.12	4217004.35	6.41E-03	6.92E-03	5.56E-03	6.13E-03	6.73E-04	9.93E-04	5.86E-04	6.11E-04
2267	566932.39	4216991.24	6.37E-03	6.87E-03	5.52E-03	6.08E-03	6.68E-04	9.85E-04	5.81E-04	6.07E-04
2268	566929.76	4216977	6.54E-03	7.06E-03	5.67E-03	6.24E-03	6.86E-04	1.01E-03	5.97E-04	6.23E-04
2269	566933.23	4216961.64	6.96E-03	7.51E-03	6.04E-03	6.64E-03	7.30E-04	1.08E-03	6.35E-04	6.63E-04
2270	566961.61	4217028.85	6.05E-03	6.53E-03	5.25E-03	5.78E-03	6.34E-04	9.36E-04	5.52E-04	5.76E-04
2271	566976.4	4217038.52	5.95E-03	6.42E-03	5.16E-03	5.68E-03	6.24E-04	9.20E-04	5.43E-04	5.67E-04
2272	566991.19	4217048.18	5.67E-03	6.12E-03	4.92E-03	5.42E-03	5.95E-04	8.78E-04	5.18E-04	5.41E-04
2273	566935.65	4217012.72	5.71E-03	6.17E-03	4.96E-03	5.46E-03	5.99E-04	8.84E-04	5.22E-04	5.44E-04
2274	566926.92	4216999.61	5.76E-03	6.22E-03	5.00E-03	5.51E-03	6.05E-04	8.92E-04	5.27E-04	5.49E-04
2275	566919.93	4216978.81	5.87E-03	6.33E-03	5.09E-03	5.61E-03	6.16E-04	9.08E-04	5.36E-04	5.59E-04
2276	566923.4	4216963.45	6.24E-03	6.74E-03	5.41E-03	5.96E-03	6.54E-04	9.66E-04	5.70E-04	5.95E-04
2277	566926.87	4216948.09	6.43E-03	6.94E-03	5.58E-03	6.14E-03	6.74E-04	9.95E-04	5.87E-04	6.13E-04
2278	566956.14	4217037.22	5.26E-03	5.68E-03	4.57E-03	5.03E-03	5.52E-04	8.14E-04	4.81E-04	5.02E-04
2279	566930.18	4217021.09	5.10E-03	5.50E-03	4.42E-03	4.87E-03	5.35E-04	7.89E-04	4.66E-04	4.86E-04
2280	566921.45	4217007.98	5.22E-03	5.63E-03	4.52E-03	4.98E-03	5.47E-04	8.07E-04	4.76E-04	4.97E-04
2281	566912.72	4216994.87	5.17E-03	5.58E-03	4.49E-03	4.94E-03	5.43E-04	8.01E-04	4.73E-04	4.93E-04
2282	566910.09	4216980.63	5.31E-03	5.73E-03	4.60E-03	5.07E-03	5.57E-04	8.21E-04	4.85E-04	5.06E-04
2283	566913.57	4216965.27	5.64E-03	6.08E-03	4.89E-03	5.38E-03	5.91E-04	8.72E-04	5.15E-04	5.37E-04
2284	566917.04	4216949.9	5.82E-03	6.29E-03	5.05E-03	5.56E-03	6.11E-04	9.02E-04	5.32E-04	5.55E-04
2285	566965.46	4217055.26	4.43E-03	4.78E-03	3.85E-03	4.23E-03	4.65E-04	6.86E-04	4.05E-04	4.22E-04
2286	566980.25	4217064.93	4.15E-03	4.48E-03	3.60E-03	3.96E-03	4.35E-04	6.42E-04	3.79E-04	3.95E-04
2287	566924.71	4217029.46	4.56E-03	4.92E-03	3.96E-03	4.36E-03	4.78E-04	7.06E-04	4.17E-04	4.35E-04
2288	566915.98	4217016.35	4.72E-03	5.09E-03	4.09E-03	4.51E-03	4.95E-04	7.30E-04	4.31E-04	4.50E-04
2289	566907.25	4217003.24	4.74E-03	5.12E-03	4.12E-03	4.53E-03	4.98E-04	7.34E-04	4.33E-04	4.52E-04
2290	566900.26	4216982.44	4.83E-03	5.21E-03	4.19E-03	4.61E-03	5.06E-04	7.47E-04	4.41E-04	4.60E-04
2291	566903.73	4216967.08	5.12E-03	5.53E-03	4.44E-03	4.89E-03	5.37E-04	7.93E-04	4.68E-04	4.88E-04
2292	566907.2	4216951.72	5.30E-03	5.72E-03	4.60E-03	5.07E-03	5.56E-04	8.21E-04	4.84E-04	5.05E-04
2293	566910.67	4216936.35	5.36E-03	5.78E-03	4.65E-03	5.12E-03	5.62E-04	8.29E-04	4.89E-04	5.10E-04
2294	566945.2	4217053.96	4.05E-03	4.37E-03	3.51E-03	3.87E-03	4.25E-04	6.27E-04	3.70E-04	3.86E-04
2295	566959.99	4217063.63	3.87E-03	4.17E-03	3.35E-03	3.69E-03	4.06E-04	5.98E-04	3.53E-04	3.69E-04
2296	566974.78	4217073.3	3.59E-03	3.88E-03	3.12E-03	3.43E-03	3.77E-04	5.56E-04	3.28E-04	3.42E-04
2297	566917.78	4217035.65	4.13E-03	4.46E-03	3.58E-03	3.94E-03	4.33E-04	6.39E-04	3.77E-04	3.93E-04
2298	566908.09	4217021.08	4.30E-03	4.65E-03	3.73E-03	4.11E-03	4.51E-04	6.66E-04	3.93E-04	4.10E-04
2299	566898.39	4217006.51	4.34E-03	4.69E-03	3.77E-03	4.15E-03	4.55E-04	6.72E-04	3.97E-04	4.14E-04
2300	566890.62	4216983.41	4.43E-03	4.78E-03	3.85E-03	4.23E-03	4.65E-04	6.86E-04	4.05E-04	4.22E-04
2301	566894.48	4216966.34	4.71E-03	5.09E-03	4.09E-03	4.50E-03	4.94E-04	7.30E-04	4.31E-04	4.49E-04
2302	566898.33	4216949.26	4.88E-03	5.27E-03	4.23E-03	4.66E-03	5.12E-04	7.55E-04	4.46E-04	4.65E-04
2303	566900.26	4216940.73	4.91E-03	5.30E-03	4.26E-03	4.69E-03	5.15E-04	7.61E-04	4.49E-04	4.68E-04
2304	566939.73	4217062.34	3.58E-03	3.87E-03	3.11E-03	3.42E-03	3.76E-04	5.54E-04	3.27E-04	3.41E-04
2305	566954.52	4217072	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.56E-04	5.25E-04	3.10E-04	3.23E-04
2306	566969.31	4217081.67	3.13E-03	3.38E-03	2.72E-03	2.99E-03	3.29E-04	4.85E-04	2.86E-04	2.99E-04
2307	566893.26	4217015.39	3.99E-03	4.30E-03	3.46E-03	3.81E-03	4.18E-04	6.17E-04	3.64E-04	3.80E-04
2308	566883.66	4217000.97	3.97E-03	4.28E-03	3.44E-03	3.79E-03	4.16E-04	6.14E-04	3.62E-04	3.78E-04
2309	566880.77	4216985.31	4.07E-03	4.40E-03	3.53E-03	3.89E-03	4.27E-04	6.30E-04	3.72E-04	3.88E-04
2310	566884.58	4216968.41	4.32E-03	4.67E-03	3.75E-03	4.13E-03	4.53E-04	6.69E-04	3.95E-04	4.12E-04
2311	566888.4	4216951.51	4.48E-03	4.84E-03	3.89E-03	4.28E-03	4.70E-04	6.94E-04	4.10E-04	4.27E-04
2312	566892.22	4216934.61	4.54E-03	4.90E-03	3.94E-03	4.33E-03	4.76E-04	7.02E-04	4.14E-04	4.32E-04
2313	566934.25	4217070.71	3.18E-03	3.43E-03	2.76E-03	3.04E-03	3.34E-04	4.92E-04	2.90E-04	3.03E-04
2314	566949.05	4217080.37	2.99E-03	3.23E-03	2.60E-03	2.86E-03	3.14E-04	4.63E-04	2.73E-04	2.85E-04
2315	566963.84	4217090.04	2.75E-03	2.97E-03	2.39E-03	2.63E-03	2.89E-04	4.26E-04	2.51E-04	2.62E-04
2316	566907.11	4217052.79	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.51E-04	5.18E-04	3.05E-04	3.19E-04
2317	566878.54	4217009.88	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.51E-04
2318	566870.92	4216987.19	3.75E-03	4.05E-03	3.26E-03	3.59E-03	3.94E-04	5.81E-04	3.43E-04	3.58E-04

2319	566874.7	4216970.43	3.98E-03	4.30E-03	3.45E-03	3.80E-03	4.18E-04	6.16E-04	3.64E-04	3.80E-04
2320	566878.49	4216953.67	4.13E-03	4.46E-03	3.59E-03	3.95E-03	4.34E-04	6.40E-04	3.78E-04	3.94E-04
2321	566882.28	4216936.91	4.20E-03	4.53E-03	3.64E-03	4.01E-03	4.40E-04	6.50E-04	3.83E-04	4.00E-04
2322	566886.06	4216920.15	4.17E-03	4.50E-03	3.62E-03	3.98E-03	4.37E-04	6.45E-04	3.81E-04	3.97E-04
2323	566928.78	4217079.08	2.83E-03	3.06E-03	2.46E-03	2.71E-03	2.97E-04	4.39E-04	2.59E-04	2.70E-04
2324	566943.58	4217088.74	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.78E-04	4.11E-04	2.42E-04	2.53E-04
2325	566958.37	4217098.41	2.43E-03	2.62E-03	2.11E-03	2.32E-03	2.55E-04	3.76E-04	2.22E-04	2.31E-04
2326	566901.74	4217061.31	3.02E-03	3.26E-03	2.62E-03	2.88E-03	3.16E-04	4.67E-04	2.76E-04	2.88E-04
2327	566892.28	4217047.1	3.22E-03	3.48E-03	2.79E-03	3.08E-03	3.38E-04	4.99E-04	2.94E-04	3.07E-04
2328	566882.83	4217032.9	3.35E-03	3.62E-03	2.91E-03	3.20E-03	3.51E-04	5.18E-04	3.06E-04	3.19E-04
2329	566861.07	4216989.07	3.47E-03	3.75E-03	3.01E-03	3.32E-03	3.64E-04	5.37E-04	3.17E-04	3.31E-04
2330	566864.83	4216972.42	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.50E-04
2331	566868.59	4216955.78	3.82E-03	4.13E-03	3.32E-03	3.65E-03	4.01E-04	5.92E-04	3.49E-04	3.64E-04
2332	566872.35	4216939.13	3.89E-03	4.20E-03	3.38E-03	3.72E-03	4.08E-04	6.03E-04	3.56E-04	3.71E-04
2333	566876.11	4216922.49	3.89E-03	4.20E-03	3.37E-03	3.71E-03	4.08E-04	6.02E-04	3.55E-04	3.70E-04
2334	566923.31	4217087.45	2.53E-03	2.73E-03	2.20E-03	2.42E-03	2.66E-04	3.92E-04	2.31E-04	2.41E-04
2335	566938.11	4217097.12	2.36E-03	2.55E-03	2.05E-03	2.25E-03	2.48E-04	3.65E-04	2.16E-04	2.25E-04
2336	566952.9	4217106.78	2.15E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.33E-04	1.97E-04	2.05E-04
2337	566896.35	4217069.81	2.73E-03	2.94E-03	2.37E-03	2.60E-03	2.86E-04	4.22E-04	2.49E-04	2.60E-04
2338	566886.95	4217055.69	2.93E-03	3.16E-03	2.54E-03	2.80E-03	3.07E-04	4.54E-04	2.68E-04	2.79E-04
2339	566877.55	4217041.56	3.07E-03	3.32E-03	2.66E-03	2.93E-03	3.22E-04	4.75E-04	2.81E-04	2.93E-04
2340	566868.15	4217027.44	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.30E-04	4.87E-04	2.87E-04	3.00E-04
2341	566858.75	4217013.32	3.16E-03	3.41E-03	2.74E-03	3.02E-03	3.32E-04	4.89E-04	2.89E-04	3.01E-04
2342	566854.96	4216974.38	3.41E-03	3.68E-03	2.96E-03	3.25E-03	3.57E-04	5.27E-04	3.11E-04	3.25E-04
2343	566858.7	4216957.84	3.54E-03	3.82E-03	3.07E-03	3.38E-03	3.72E-04	5.48E-04	3.24E-04	3.38E-04
2344	566862.44	4216941.29	3.62E-03	3.91E-03	3.14E-03	3.46E-03	3.79E-04	5.60E-04	3.30E-04	3.45E-04
2345	566866.18	4216924.75	3.63E-03	3.91E-03	3.15E-03	3.46E-03	3.80E-04	5.61E-04	3.31E-04	3.46E-04
2346	566869.92	4216908.2	3.57E-03	3.85E-03	3.10E-03	3.41E-03	3.74E-04	5.52E-04	3.26E-04	3.40E-04
2347	566917.84	4217095.82	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.52E-04	2.08E-04	2.17E-04
2348	566932.64	4217105.49	2.11E-03	2.28E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.93E-04	2.01E-04
2349	566947.43	4217115.15	1.92E-03	2.07E-03	1.67E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
2350	566890.95	4217078.29	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
2351	566881.6	4217064.24	2.67E-03	2.88E-03	2.32E-03	2.55E-03	2.80E-04	4.13E-04	2.44E-04	2.54E-04
2352	566872.25	4217050.19	2.82E-03	3.04E-03	2.44E-03	2.69E-03	2.96E-04	4.36E-04	2.57E-04	2.69E-04
2353	566862.9	4217036.14	2.91E-03	3.14E-03	2.53E-03	2.78E-03	3.05E-04	4.51E-04	2.66E-04	2.78E-04
2354	566853.55	4217022.09	2.95E-03	3.18E-03	2.56E-03	2.82E-03	3.09E-04	4.57E-04	2.69E-04	2.81E-04
2355	566844.2	4217008.04	2.93E-03	3.16E-03	2.54E-03	2.80E-03	3.07E-04	4.54E-04	2.68E-04	2.79E-04
2356	566845.1	4216976.33	3.17E-03	3.42E-03	2.75E-03	3.02E-03	3.32E-04	4.90E-04	2.89E-04	3.02E-04
2357	566848.82	4216959.86	3.29E-03	3.55E-03	2.86E-03	3.15E-03	3.45E-04	5.10E-04	3.01E-04	3.14E-04
2358	566852.54	4216943.4	3.37E-03	3.64E-03	2.92E-03	3.22E-03	3.53E-04	5.22E-04	3.08E-04	3.21E-04
2359	566912.37	4217104.19	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
2360	566927.17	4217113.86	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.99E-04	2.93E-04	1.73E-04	1.80E-04
2361	566941.96	4217123.53	1.72E-03	1.86E-03	1.49E-03	1.64E-03	1.80E-04	2.66E-04	1.57E-04	1.64E-04
2362	566885.54	4217086.75	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.48E-04	2.05E-04	2.14E-04
2363	566876.23	4217072.76	2.44E-03	2.63E-03	2.11E-03	2.33E-03	2.56E-04	3.77E-04	2.23E-04	2.32E-04
2364	566866.93	4217058.78	2.59E-03	2.79E-03	2.25E-03	2.47E-03	2.72E-04	4.01E-04	2.37E-04	2.47E-04
2365	566857.62	4217044.79	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
2366	566848.31	4217030.81	2.75E-03	2.97E-03	2.39E-03	2.63E-03	2.88E-04	4.26E-04	2.51E-04	2.62E-04
2367	566839	4217016.82	2.76E-03	2.97E-03	2.39E-03	2.63E-03	2.89E-04	4.27E-04	2.52E-04	2.63E-04
2368	566831.54	4216994.64	2.80E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
2369	566835.24	4216978.25	2.96E-03	3.19E-03	2.56E-03	2.82E-03	3.10E-04	4.58E-04	2.70E-04	2.82E-04
2370	566838.94	4216961.86	3.07E-03	3.32E-03	2.67E-03	2.93E-03	3.22E-04	4.76E-04	2.81E-04	2.93E-04
2371	566842.65	4216945.47	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.30E-04	4.87E-04	2.87E-04	3.00E-04
2372	566850.05	4216912.7	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.30E-04	4.88E-04	2.88E-04	3.00E-04

2373	566906.9	4217112.56	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.87E-04	1.69E-04	1.77E-04
2374	566921.7	4217122.23	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2375	566936.49	4217131.9	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2376	566880.13	4217095.2	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
2377	566870.86	4217081.27	2.23E-03	2.41E-03	1.93E-03	2.13E-03	2.34E-04	3.45E-04	2.04E-04	2.13E-04
2378	566861.58	4217067.34	2.38E-03	2.57E-03	2.07E-03	2.27E-03	2.50E-04	3.69E-04	2.17E-04	2.27E-04
2379	566852.31	4217053.41	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.86E-04	2.28E-04	2.38E-04
2380	566843.04	4217039.48	2.56E-03	2.77E-03	2.22E-03	2.45E-03	2.69E-04	3.97E-04	2.34E-04	2.44E-04
2381	566833.76	4217025.55	2.59E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.47E-04
2382	566824.49	4217011.61	2.57E-03	2.78E-03	2.23E-03	2.46E-03	2.70E-04	3.98E-04	2.35E-04	2.45E-04
2383	566821.7	4216996.49	2.63E-03	2.84E-03	2.28E-03	2.51E-03	2.76E-04	4.07E-04	2.40E-04	2.51E-04
2384	566829.07	4216963.84	2.88E-03	3.10E-03	2.50E-03	2.75E-03	3.02E-04	4.45E-04	2.63E-04	2.74E-04
2385	566840.14	4216914.87	2.97E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.83E-04
2386	566843.83	4216898.54	2.91E-03	3.14E-03	2.53E-03	2.78E-03	3.06E-04	4.51E-04	2.66E-04	2.78E-04
2387	566901.43	4217120.93	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.76E-04	2.60E-04	1.54E-04	1.60E-04
2388	566916.23	4217130.6	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.40E-04	1.41E-04	1.48E-04
2389	566931.02	4217140.27	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2390	566874.71	4217103.65	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.78E-04
2391	566865.47	4217089.76	2.04E-03	2.21E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
2392	566856.22	4217075.88	2.19E-03	2.37E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
2393	566846.98	4217062	2.31E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.57E-04	2.11E-04	2.20E-04
2394	566837.74	4217048.11	2.39E-03	2.58E-03	2.07E-03	2.28E-03	2.50E-04	3.69E-04	2.18E-04	2.27E-04
2395	566828.5	4217034.23	2.43E-03	2.62E-03	2.10E-03	2.32E-03	2.54E-04	3.75E-04	2.22E-04	2.31E-04
2396	566819.26	4217020.35	2.43E-03	2.62E-03	2.11E-03	2.32E-03	2.55E-04	3.76E-04	2.22E-04	2.31E-04
2397	566811.86	4216998.33	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.26E-04	2.35E-04
2398	566826.56	4216933.26	2.80E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
2399	566830.24	4216916.99	2.80E-03	3.02E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
2400	566833.91	4216900.72	2.76E-03	2.98E-03	2.39E-03	2.64E-03	2.90E-04	4.27E-04	2.52E-04	2.63E-04
2401	566895.96	4217129.31	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
2402	566910.76	4217138.97	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
2403	566925.55	4217148.64	1.27E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.97E-04	1.16E-04	1.21E-04
2404	566858.71	4217096.21	1.90E-03	2.05E-03	1.65E-03	1.81E-03	1.99E-04	2.94E-04	1.73E-04	1.81E-04
2405	566848.96	4217081.55	2.05E-03	2.21E-03	1.78E-03	1.95E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
2406	566839.2	4217066.9	2.16E-03	2.33E-03	1.88E-03	2.07E-03	2.27E-04	3.35E-04	1.98E-04	2.06E-04
2407	566829.45	4217052.24	2.24E-03	2.42E-03	1.95E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
2408	566819.69	4217037.59	2.28E-03	2.46E-03	1.98E-03	2.18E-03	2.39E-04	3.53E-04	2.09E-04	2.18E-04
2409	566809.94	4217022.93	2.29E-03	2.47E-03	1.99E-03	2.19E-03	2.40E-04	3.54E-04	2.09E-04	2.18E-04
2410	566813.77	4216948.18	2.62E-03	2.82E-03	2.27E-03	2.50E-03	2.74E-04	4.05E-04	2.39E-04	2.49E-04
2411	566817.64	4216931.01	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.78E-04	4.10E-04	2.42E-04	2.52E-04
2412	566821.52	4216913.84	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.09E-04	2.41E-04	2.52E-04
2413	566825.4	4216896.67	2.60E-03	2.81E-03	2.25E-03	2.48E-03	2.73E-04	4.02E-04	2.37E-04	2.48E-04
2414	566890.49	4217137.68	1.40E-03	1.51E-03	1.21E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.33E-04
2415	566905.29	4217147.34	1.28E-03	1.39E-03	1.11E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.22E-04
2416	566920.08	4217157.01	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
2417	566843.69	4217090.22	1.89E-03	2.04E-03	1.64E-03	1.80E-03	1.98E-04	2.92E-04	1.73E-04	1.80E-04
2418	566833.99	4217075.65	2.01E-03	2.16E-03	1.74E-03	1.92E-03	2.10E-04	3.10E-04	1.83E-04	1.91E-04
2419	566824.29	4217061.09	2.09E-03	2.26E-03	1.81E-03	2.00E-03	2.19E-04	3.24E-04	1.91E-04	1.99E-04
2420	566814.6	4217046.52	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.04E-04
2421	566804.9	4217031.95	2.16E-03	2.33E-03	1.88E-03	2.06E-03	2.27E-04	3.35E-04	1.97E-04	2.06E-04
2422	566795.2	4217017.38	2.15E-03	2.32E-03	1.87E-03	2.05E-03	2.26E-04	3.33E-04	1.96E-04	2.05E-04
2423	566803.85	4216950.35	2.47E-03	2.66E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.25E-04	2.35E-04
2424	566807.71	4216933.27	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.62E-04	3.87E-04	2.28E-04	2.38E-04
2425	566809.64	4216924.74	2.51E-03	2.70E-03	2.17E-03	2.39E-03	2.63E-04	3.88E-04	2.29E-04	2.39E-04
2426	566813.49	4216907.67	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.86E-04	2.28E-04	2.37E-04

2427	566817.35	4216890.6	2.44E-03	2.64E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
2428	566885.02	4217146.05	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2429	566899.82	4217155.71	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2430	566914.61	4217165.38	1.06E-03	1.15E-03	9.22E-04	1.01E-03	1.11E-04	1.64E-04	9.70E-05	1.01E-04
2431	566857.69	4217127.85	1.46E-03	1.57E-03	1.26E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
2432	566848.04	4217113.35	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2433	566819.1	4217069.88	1.95E-03	2.10E-03	1.69E-03	1.86E-03	2.05E-04	3.02E-04	1.78E-04	1.86E-04
2434	566809.46	4217055.39	2.01E-03	2.17E-03	1.74E-03	1.92E-03	2.11E-04	3.11E-04	1.84E-04	1.92E-04
2435	566799.81	4217040.89	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.86E-04	1.94E-04
2436	566790.16	4217026.4	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
2437	566786.27	4216986.44	2.18E-03	2.35E-03	1.89E-03	2.08E-03	2.29E-04	3.38E-04	1.99E-04	2.08E-04
2438	566790.11	4216969.46	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
2439	566797.78	4216935.49	2.37E-03	2.55E-03	2.05E-03	2.26E-03	2.48E-04	3.66E-04	2.16E-04	2.25E-04
2440	566801.62	4216918.51	2.37E-03	2.56E-03	2.06E-03	2.27E-03	2.49E-04	3.67E-04	2.17E-04	2.26E-04
2441	566805.46	4216901.53	2.35E-03	2.54E-03	2.04E-03	2.25E-03	2.47E-04	3.64E-04	2.15E-04	2.24E-04
2442	566809.29	4216884.55	2.30E-03	2.48E-03	2.00E-03	2.20E-03	2.41E-04	3.56E-04	2.10E-04	2.19E-04
2443	566894.35	4217164.09	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.67E-04	9.83E-05	1.03E-04
2444	566909.14	4217173.75	9.74E-04	1.05E-03	8.45E-04	9.31E-04	1.02E-04	1.51E-04	8.90E-05	9.29E-05
2445	566852.29	4217136.32	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2446	566842.69	4217121.9	1.48E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.35E-04	1.41E-04
2447	566833.09	4217107.48	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
2448	566794.69	4217049.78	1.92E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.98E-04	1.76E-04	1.83E-04
2449	566785.08	4217035.36	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
2450	566772.59	4217005.27	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.05E-04	1.80E-04	1.88E-04
2451	566776.41	4216988.37	2.06E-03	2.23E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.89E-04	1.97E-04
2452	566780.23	4216971.47	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.04E-04
2453	566787.87	4216937.67	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
2454	566791.69	4216920.77	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.49E-04	2.06E-04	2.15E-04
2455	566795.5	4216903.87	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.13E-04
2456	566799.32	4216886.97	2.20E-03	2.38E-03	1.91E-03	2.10E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
2457	566803.14	4216870.07	2.14E-03	2.31E-03	1.85E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
2458	566874.08	4217162.79	1.08E-03	1.17E-03	9.39E-04	1.03E-03	1.14E-04	1.68E-04	9.89E-05	1.03E-04
2459	566888.88	4217172.46	9.90E-04	1.07E-03	8.59E-04	9.45E-04	1.04E-04	1.53E-04	9.04E-05	9.43E-05
2460	566903.67	4217182.12	8.97E-04	9.68E-04	7.78E-04	8.57E-04	9.41E-05	1.39E-04	8.19E-05	8.55E-05
2461	566846.88	4217144.79	1.24E-03	1.34E-03	1.07E-03	1.18E-03	1.30E-04	1.91E-04	1.13E-04	1.18E-04
2462	566837.32	4217130.43	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.44E-04	2.12E-04	1.25E-04	1.31E-04
2463	566827.76	4217116.07	1.50E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.37E-04	1.43E-04
2464	566818.2	4217101.7	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.47E-04	1.53E-04
2465	566808.64	4217087.34	1.70E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.63E-04	1.55E-04	1.62E-04
2466	566762.75	4217007.13	1.87E-03	2.01E-03	1.62E-03	1.78E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
2467	566766.55	4216990.3	1.96E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.86E-04
2468	566770.36	4216973.47	2.03E-03	2.19E-03	1.76E-03	1.94E-03	2.13E-04	3.14E-04	1.85E-04	1.94E-04
2469	566774.16	4216956.64	2.09E-03	2.25E-03	1.81E-03	1.99E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
2470	566781.76	4216922.99	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.31E-04	1.96E-04	2.04E-04
2471	566785.56	4216906.16	2.13E-03	2.30E-03	1.85E-03	2.04E-03	2.24E-04	3.30E-04	1.95E-04	2.03E-04
2472	566789.36	4216889.34	2.10E-03	2.27E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.92E-04	2.01E-04
2473	566793.17	4216872.51	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.18E-04	1.87E-04	1.96E-04
2474	566868.61	4217171.16	9.99E-04	1.08E-03	8.66E-04	9.54E-04	1.05E-04	1.55E-04	9.12E-05	9.52E-05
2475	566898.2	4217190.49	8.29E-04	8.95E-04	7.19E-04	7.92E-04	8.69E-05	1.28E-04	7.57E-05	7.90E-05
2476	566831.94	4217138.94	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2477	566822.42	4217124.64	1.39E-03	1.50E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.27E-04	1.32E-04
2478	566812.9	4217110.33	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
2479	566803.38	4217096.03	1.58E-03	1.71E-03	1.37E-03	1.51E-03	1.66E-04	2.45E-04	1.45E-04	1.51E-04
2480	566793.86	4217081.72	1.66E-03	1.79E-03	1.44E-03	1.58E-03	1.74E-04	2.56E-04	1.51E-04	1.58E-04

2481	566784.34	4217067.42	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2482	566752.91	4217008.97	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.75E-04	1.62E-04	1.69E-04
2483	566756.7	4216992.21	1.86E-03	2.00E-03	1.61E-03	1.77E-03	1.95E-04	2.87E-04	1.70E-04	1.77E-04
2484	566760.48	4216975.45	1.93E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.98E-04	1.76E-04	1.84E-04
2485	566764.27	4216958.69	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
2486	566771.84	4216925.17	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.15E-04	1.86E-04	1.94E-04
2487	566775.63	4216908.41	2.04E-03	2.20E-03	1.77E-03	1.94E-03	2.13E-04	3.15E-04	1.86E-04	1.94E-04
2488	566779.42	4216891.65	2.01E-03	2.17E-03	1.75E-03	1.92E-03	2.11E-04	3.12E-04	1.84E-04	1.92E-04
2489	566783.2	4216874.89	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
2490	566786.99	4216858.13	1.91E-03	2.06E-03	1.66E-03	1.82E-03	2.00E-04	2.95E-04	1.74E-04	1.82E-04
2491	566863.14	4217179.53	9.24E-04	9.97E-04	8.02E-04	8.83E-04	9.69E-05	1.43E-04	8.44E-05	8.81E-05
2492	566892.73	4217198.87	7.68E-04	8.29E-04	6.66E-04	7.34E-04	8.06E-05	1.19E-04	7.02E-05	7.32E-05
2493	566826.56	4217147.44	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2494	566817.07	4217133.19	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.23E-04
2495	566807.59	4217118.94	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
2496	566798.1	4217104.68	1.48E-03	1.60E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
2497	566788.61	4217090.43	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2498	566779.13	4217076.18	1.61E-03	1.74E-03	1.39E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2499	566769.64	4217061.93	1.64E-03	1.77E-03	1.43E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.57E-04
2500	566743.07	4217010.82	1.69E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.61E-04
2501	566746.84	4216994.12	1.76E-03	1.90E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2502	566750.62	4216977.42	1.83E-03	1.98E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
2503	566754.39	4216960.72	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.98E-04	2.91E-04	1.72E-04	1.80E-04
2504	566758.16	4216944.02	1.92E-03	2.07E-03	1.67E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
2505	566765.71	4216910.62	1.94E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.77E-04	1.85E-04
2506	566769.48	4216893.92	1.93E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.98E-04	1.76E-04	1.84E-04
2507	566773.25	4216877.22	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.98E-04	2.93E-04	1.73E-04	1.80E-04
2508	566777.03	4216860.52	1.84E-03	1.99E-03	1.60E-03	1.76E-03	1.93E-04	2.85E-04	1.68E-04	1.75E-04
2509	566857.67	4217187.9	8.57E-04	9.25E-04	7.44E-04	8.19E-04	8.99E-05	1.33E-04	7.83E-05	8.17E-05
2510	566872.47	4217197.57	7.85E-04	8.47E-04	6.81E-04	7.50E-04	8.23E-05	1.21E-04	7.17E-05	7.48E-05
2511	566887.26	4217207.24	7.14E-04	7.70E-04	6.19E-04	6.82E-04	7.49E-05	1.10E-04	6.52E-05	6.80E-05
2512	566821.17	4217155.93	1.09E-03	1.18E-03	9.46E-04	1.04E-03	1.14E-04	1.69E-04	9.96E-05	1.04E-04
2513	566811.71	4217141.73	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
2514	566802.26	4217127.52	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2515	566792.8	4217113.32	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2516	566783.35	4217099.11	1.46E-03	1.57E-03	1.26E-03	1.39E-03	1.53E-04	2.25E-04	1.33E-04	1.39E-04
2517	566773.9	4217084.91	1.51E-03	1.63E-03	1.31E-03	1.45E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
2518	566764.44	4217070.7	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
2519	566745.53	4217042.29	1.59E-03	1.71E-03	1.38E-03	1.51E-03	1.66E-04	2.45E-04	1.45E-04	1.51E-04
2520	566736.99	4216996.02	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
2521	566740.75	4216979.37	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
2522	566744.51	4216962.73	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.64E-04	1.71E-04
2523	566748.27	4216946.09	1.83E-03	1.97E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
2524	566755.79	4216912.8	1.86E-03	2.00E-03	1.61E-03	1.77E-03	1.95E-04	2.87E-04	1.70E-04	1.77E-04
2525	566759.55	4216896.15	1.84E-03	1.99E-03	1.60E-03	1.76E-03	1.93E-04	2.85E-04	1.68E-04	1.76E-04
2526	566763.31	4216879.51	1.82E-03	1.96E-03	1.58E-03	1.73E-03	1.90E-04	2.81E-04	1.66E-04	1.73E-04
2527	566767.07	4216862.87	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
2528	566770.83	4216846.22	1.71E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.65E-04	1.57E-04	1.63E-04
2529	566852.2	4217196.28	7.97E-04	8.60E-04	6.92E-04	7.61E-04	8.36E-05	1.23E-04	7.28E-05	7.60E-05
2530	566867	4217205.94	7.30E-04	7.88E-04	6.33E-04	6.97E-04	7.66E-05	1.13E-04	6.67E-05	6.96E-05
2531	566815.77	4217164.41	1.02E-03	1.10E-03	8.81E-04	9.70E-04	1.06E-04	1.57E-04	9.27E-05	9.68E-05
2532	566806.35	4217150.25	1.11E-03	1.20E-03	9.65E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
2533	566796.92	4217136.09	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
2534	566787.49	4217121.93	1.29E-03	1.40E-03	1.12E-03	1.23E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04

2535	566778.07	4217107.77	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
2536	566768.64	4217093.61	1.43E-03	1.54E-03	1.24E-03	1.36E-03	1.50E-04	2.21E-04	1.30E-04	1.36E-04
2537	566759.22	4217079.44	1.47E-03	1.59E-03	1.28E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
2538	566740.37	4217051.12	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
2539	566730.94	4217036.96	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.34E-04	1.38E-04	1.44E-04
2540	566727.14	4216997.91	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
2541	566730.89	4216981.32	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
2542	566734.64	4216964.72	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2543	566738.39	4216948.13	1.74E-03	1.88E-03	1.51E-03	1.67E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
2544	566742.13	4216931.54	1.77E-03	1.91E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2545	566749.63	4216898.35	1.77E-03	1.91E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2546	566753.38	4216881.76	1.74E-03	1.88E-03	1.51E-03	1.67E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
2547	566757.13	4216865.17	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2548	566760.88	4216848.57	1.66E-03	1.79E-03	1.44E-03	1.58E-03	1.74E-04	2.57E-04	1.51E-04	1.58E-04
2549	566846.73	4217204.65	7.43E-04	8.02E-04	6.45E-04	7.10E-04	7.79E-05	1.15E-04	6.79E-05	7.08E-05
2550	566861.53	4217214.31	6.81E-04	7.35E-04	5.90E-04	6.50E-04	7.14E-05	1.05E-04	6.22E-05	6.49E-05
2551	566809.43	4217171.47	9.56E-04	1.03E-03	8.29E-04	9.13E-04	1.00E-04	1.48E-04	8.73E-05	9.11E-05
2552	566799.65	4217156.78	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.63E-04	9.60E-05	1.00E-04
2553	566789.88	4217142.1	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
2554	566780.1	4217127.41	1.23E-03	1.32E-03	1.06E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
2555	566765.44	4217105.39	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
2556	566755.67	4217090.7	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2557	566736.12	4217061.33	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
2558	566726.34	4217046.64	1.45E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
2559	566716.57	4217031.96	1.44E-03	1.55E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
2560	566713.63	4217016.01	1.47E-03	1.58E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
2561	566719.46	4216990.2	1.56E-03	1.69E-03	1.35E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2562	566723.34	4216972.99	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
2563	566727.23	4216955.79	1.65E-03	1.79E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.58E-04
2564	566729.18	4216947.18	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.53E-04	1.59E-04
2565	566733.06	4216929.97	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.77E-04	2.62E-04	1.54E-04	1.61E-04
2566	566738.9	4216904.16	1.70E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.63E-04	1.55E-04	1.62E-04
2567	566742.78	4216886.96	1.68E-03	1.81E-03	1.46E-03	1.61E-03	1.76E-04	2.60E-04	1.54E-04	1.60E-04
2568	566746.67	4216869.75	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
2569	566750.56	4216852.54	1.61E-03	1.74E-03	1.39E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2570	566754.45	4216835.33	1.55E-03	1.67E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2571	566841.26	4217213.02	6.93E-04	7.48E-04	6.01E-04	6.62E-04	7.27E-05	1.07E-04	6.33E-05	6.61E-05
2572	566856.06	4217222.68	6.36E-04	6.86E-04	5.51E-04	6.07E-04	6.67E-05	9.84E-05	5.81E-05	6.06E-05
2573	566870.85	4217232.35	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.09E-05	8.99E-05	5.31E-05	5.54E-05
2574	566823.53	4217209.24	7.16E-04	7.72E-04	6.21E-04	6.84E-04	7.51E-05	1.11E-04	6.54E-05	6.82E-05
2575	566784.59	4217150.74	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
2576	566774.86	4217136.12	1.15E-03	1.24E-03	9.96E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
2577	566765.12	4217121.49	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
2578	566755.39	4217106.87	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2579	566745.65	4217092.24	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
2580	566726.18	4217062.99	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.44E-04	2.13E-04	1.26E-04	1.31E-04
2581	566716.45	4217048.37	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2582	566706.71	4217033.74	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.44E-04	2.13E-04	1.26E-04	1.31E-04
2583	566703.78	4217017.86	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2584	566711.53	4216983.59	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
2585	566715.4	4216966.45	1.56E-03	1.69E-03	1.35E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2586	566719.27	4216949.32	1.60E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.47E-04	1.46E-04	1.52E-04
2587	566721.21	4216940.75	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2588	566725.08	4216923.61	1.62E-03	1.75E-03	1.41E-03	1.55E-03	1.70E-04	2.51E-04	1.48E-04	1.55E-04

2589	566732.82	4216889.34	1.62E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.48E-04	1.54E-04
2590	566736.69	4216872.2	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
2591	566740.57	4216855.06	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
2592	566835.79	4217221.39	6.48E-04	6.99E-04	5.62E-04	6.19E-04	6.79E-05	1.00E-04	5.92E-05	6.17E-05
2593	566850.59	4217231.06	5.94E-04	6.42E-04	5.16E-04	5.68E-04	6.24E-05	9.20E-05	5.43E-05	5.67E-05
2594	566865.38	4217240.72	5.44E-04	5.88E-04	4.72E-04	5.20E-04	5.71E-05	8.43E-05	4.97E-05	5.19E-05
2595	566818.08	4217217.64	6.70E-04	7.23E-04	5.81E-04	6.40E-04	7.02E-05	1.04E-04	6.12E-05	6.38E-05
2596	566798.68	4217188.5	8.33E-04	8.99E-04	7.22E-04	7.95E-04	8.73E-05	1.29E-04	7.61E-05	7.94E-05
2597	566769.59	4217144.8	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.66E-04	9.83E-05	1.03E-04
2598	566759.89	4217130.23	1.15E-03	1.24E-03	9.95E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
2599	566750.2	4217115.66	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
2600	566740.5	4217101.09	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.32E-04	1.94E-04	1.15E-04	1.20E-04
2601	566721.11	4217071.95	1.31E-03	1.42E-03	1.14E-03	1.25E-03	1.38E-04	2.03E-04	1.20E-04	1.25E-04
2602	566711.41	4217057.38	1.32E-03	1.43E-03	1.15E-03	1.26E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
2603	566701.71	4217042.81	1.32E-03	1.43E-03	1.15E-03	1.26E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
2604	566693.94	4217019.71	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2605	566697.8	4217002.64	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2606	566701.66	4216985.57	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.33E-04	1.38E-04
2607	566705.51	4216968.5	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
2608	566709.37	4216951.43	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
2609	566713.23	4216934.36	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.40E-04	1.41E-04	1.48E-04
2610	566717.08	4216917.28	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.64E-04	2.41E-04	1.42E-04	1.49E-04
2611	566722.87	4216891.68	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2612	566726.73	4216874.61	1.53E-03	1.66E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
2613	566830.32	4217229.76	6.07E-04	6.55E-04	5.26E-04	5.80E-04	6.36E-05	9.39E-05	5.54E-05	5.78E-05
2614	566845.12	4217239.43	5.57E-04	6.02E-04	4.83E-04	5.32E-04	5.84E-05	8.63E-05	5.09E-05	5.31E-05
2615	566859.91	4217249.09	5.11E-04	5.52E-04	4.44E-04	4.88E-04	5.36E-05	7.91E-05	4.67E-05	4.87E-05
2616	566812.62	4217226.04	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.59E-05	9.72E-05	5.74E-05	5.99E-05
2617	566793.3	4217197.01	7.79E-04	8.41E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
2618	566783.64	4217182.49	8.58E-04	9.27E-04	7.45E-04	8.20E-04	9.00E-05	1.33E-04	7.84E-05	8.18E-05
2619	566773.97	4217167.97	9.36E-04	1.01E-03	8.12E-04	8.94E-04	9.82E-05	1.45E-04	8.55E-05	8.92E-05
2620	566744.99	4217124.42	1.14E-03	1.23E-03	9.87E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
2621	566735.32	4217109.9	1.19E-03	1.28E-03	1.03E-03	1.13E-03	1.25E-04	1.84E-04	1.08E-04	1.13E-04
2622	566716	4217080.87	1.25E-03	1.35E-03	1.09E-03	1.19E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
2623	566706.34	4217066.35	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2624	566696.67	4217051.84	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.97E-04	1.16E-04	1.21E-04
2625	566687.01	4217037.32	1.26E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2626	566684.1	4217021.56	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
2627	566687.94	4217004.55	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.22E-04	1.28E-04
2628	566695.63	4216970.53	1.43E-03	1.54E-03	1.24E-03	1.37E-03	1.50E-04	2.21E-04	1.31E-04	1.36E-04
2629	566699.47	4216953.52	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
2630	566703.32	4216936.51	1.48E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.41E-04
2631	566707.16	4216919.5	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
2632	566730.22	4216817.44	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2633	566824.85	4217238.13	5.70E-04	6.15E-04	4.94E-04	5.44E-04	5.98E-05	8.82E-05	5.20E-05	5.43E-05
2634	566839.65	4217247.8	5.24E-04	5.65E-04	4.54E-04	5.00E-04	5.49E-05	8.11E-05	4.78E-05	4.99E-05
2635	566854.44	4217257.46	4.81E-04	5.19E-04	4.17E-04	4.60E-04	5.05E-05	7.45E-05	4.39E-05	4.59E-05
2636	567028.78	4217030.96	1.10E-02	1.19E-02	9.57E-03	1.05E-02	1.16E-03	1.71E-03	1.01E-03	1.05E-03
2637	567018.45	4217028.67	1.01E-02	1.09E-02	8.79E-03	9.68E-03	1.06E-03	1.57E-03	9.25E-04	9.65E-04
2638	567040.63	4217040.44	1.03E-02	1.11E-02	8.95E-03	9.85E-03	1.08E-03	1.60E-03	9.42E-04	9.83E-04
2639	567029.22	4217040.64	8.93E-03	9.63E-03	7.74E-03	8.53E-03	9.36E-04	1.38E-03	8.15E-04	8.51E-04
2640	567017.41	4217038.02	8.32E-03	8.99E-03	7.22E-03	7.95E-03	8.73E-04	1.29E-03	7.60E-04	7.93E-04
2641	567055.69	4217042.82	1.19E-02	1.29E-02	1.03E-02	1.14E-02	1.25E-03	1.84E-03	1.09E-03	1.14E-03
2642	567045.39	4217048.5	8.81E-03	9.51E-03	7.64E-03	8.41E-03	9.24E-04	1.36E-03	8.04E-04	8.39E-04

2643	567034.69	4217051.43	7.36E-03	7.95E-03	6.39E-03	7.03E-03	7.72E-04	1.14E-03	6.73E-04	7.02E-04
2644	567023.2	4217048.89	7.06E-03	7.62E-03	6.13E-03	6.74E-03	7.41E-04	1.09E-03	6.45E-04	6.73E-04
2645	567011.72	4217046.34	6.76E-03	7.29E-03	5.86E-03	6.46E-03	7.09E-04	1.05E-03	6.17E-04	6.44E-04
2646	567063.55	4217049.18	1.07E-02	1.16E-02	9.29E-03	1.02E-02	1.12E-03	1.66E-03	9.78E-04	1.02E-03
2647	567053.43	4217054.75	8.01E-03	8.64E-03	6.95E-03	7.65E-03	8.40E-04	1.24E-03	7.32E-04	7.63E-04
2648	567043.31	4217060.32	6.35E-03	6.86E-03	5.51E-03	6.07E-03	6.66E-04	9.83E-04	5.80E-04	6.06E-04
2649	567081.31	4217050.08	1.37E-02	1.48E-02	1.19E-02	1.31E-02	1.44E-03	2.12E-03	1.25E-03	1.31E-03
2650	567071.33	4217055.58	9.51E-03	1.03E-02	8.25E-03	9.09E-03	9.98E-04	1.47E-03	8.69E-04	9.07E-04
2651	567061.34	4217061.08	7.18E-03	7.75E-03	6.23E-03	6.86E-03	7.53E-04	1.11E-03	6.56E-04	6.84E-04
2652	567088.71	4217056.68	1.17E-02	1.27E-02	1.02E-02	1.12E-02	1.23E-03	1.82E-03	1.07E-03	1.12E-03
2653	567078.11	4217062.52	8.16E-03	8.81E-03	7.08E-03	7.79E-03	8.56E-04	1.26E-03	7.45E-04	7.78E-04
2654	567067.51	4217068.36	6.11E-03	6.60E-03	5.30E-03	5.84E-03	6.41E-04	9.46E-04	5.58E-04	5.83E-04
2655	567046.31	4217080.03	4.03E-03	4.35E-03	3.50E-03	3.85E-03	4.23E-04	6.24E-04	3.69E-04	3.85E-04
2656	567030.97	4217079.36	3.89E-03	4.20E-03	3.37E-03	3.71E-03	4.08E-04	6.02E-04	3.55E-04	3.71E-04
2657	567019.15	4217076.74	3.94E-03	4.26E-03	3.42E-03	3.77E-03	4.14E-04	6.10E-04	3.60E-04	3.76E-04
2658	566995.52	4217071.51	3.98E-03	4.30E-03	3.45E-03	3.80E-03	4.18E-04	6.16E-04	3.64E-04	3.79E-04
2659	567096.37	4217063.15	1.00E-02	1.08E-02	8.68E-03	9.56E-03	1.05E-03	1.55E-03	9.14E-04	9.54E-04
2660	567085.94	4217068.89	7.16E-03	7.73E-03	6.21E-03	6.84E-03	7.51E-04	1.11E-03	6.54E-04	6.83E-04
2661	567054.64	4217086.13	3.61E-03	3.90E-03	3.13E-03	3.45E-03	3.79E-04	5.59E-04	3.30E-04	3.44E-04
2662	567040.33	4217091.02	3.13E-03	3.38E-03	2.72E-03	2.99E-03	3.29E-04	4.85E-04	2.86E-04	2.99E-04
2663	567028.7	4217088.44	3.22E-03	3.48E-03	2.79E-03	3.08E-03	3.38E-04	4.99E-04	2.94E-04	3.07E-04
2664	567017.07	4217085.86	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.02E-04	3.15E-04
2665	567104.02	4217069.62	8.46E-03	9.14E-03	7.34E-03	8.08E-03	8.88E-04	1.31E-03	7.73E-04	8.07E-04
2666	567093.72	4217075.29	6.23E-03	6.73E-03	5.41E-03	5.95E-03	6.54E-04	9.65E-04	5.69E-04	5.94E-04
2667	567073.11	4217086.64	3.85E-03	4.15E-03	3.34E-03	3.67E-03	4.03E-04	5.95E-04	3.51E-04	3.67E-04
2668	567062.8	4217092.32	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.37E-04	4.98E-04	2.94E-04	3.07E-04
2669	567052.49	4217097.99	2.78E-03	3.00E-03	2.41E-03	2.65E-03	2.91E-04	4.30E-04	2.54E-04	2.65E-04
2670	567041.8	4217100.93	2.58E-03	2.78E-03	2.24E-03	2.46E-03	2.71E-04	3.99E-04	2.36E-04	2.46E-04
2671	567030.31	4217098.38	2.67E-03	2.89E-03	2.32E-03	2.55E-03	2.81E-04	4.14E-04	2.44E-04	2.55E-04
2672	567018.82	4217095.84	2.77E-03	2.99E-03	2.40E-03	2.64E-03	2.90E-04	4.28E-04	2.53E-04	2.64E-04
2673	567007.34	4217093.29	2.85E-03	3.08E-03	2.47E-03	2.72E-03	2.99E-04	4.41E-04	2.60E-04	2.72E-04
2674	566984.37	4217088.2	2.96E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.82E-04
2675	567070.85	4217098.56	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
2676	567060.65	4217104.18	2.48E-03	2.68E-03	2.15E-03	2.37E-03	2.60E-04	3.84E-04	2.27E-04	2.36E-04
2677	567050.45	4217109.8	2.20E-03	2.37E-03	1.91E-03	2.10E-03	2.30E-04	3.40E-04	2.01E-04	2.09E-04
2678	567039.46	4217109.99	2.18E-03	2.35E-03	1.89E-03	2.08E-03	2.28E-04	3.37E-04	1.99E-04	2.07E-04
2679	567028.09	4217107.47	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
2680	567016.72	4217104.95	2.36E-03	2.54E-03	2.05E-03	2.25E-03	2.47E-04	3.65E-04	2.15E-04	2.25E-04
2681	567005.35	4217102.43	2.44E-03	2.64E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
2682	567119.13	4217082.66	6.21E-03	6.71E-03	5.39E-03	5.93E-03	6.52E-04	9.62E-04	5.68E-04	5.92E-04
2683	567097.93	4217094.33	3.67E-03	3.97E-03	3.19E-03	3.51E-03	3.85E-04	5.69E-04	3.36E-04	3.50E-04
2684	567055.53	4217117.68	1.91E-03	2.06E-03	1.66E-03	1.83E-03	2.00E-04	2.96E-04	1.75E-04	1.82E-04
2685	567044.53	4217120.7	1.81E-03	1.95E-03	1.57E-03	1.73E-03	1.90E-04	2.80E-04	1.65E-04	1.72E-04
2686	567032.71	4217118.08	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.98E-04	2.93E-04	1.73E-04	1.80E-04
2687	567020.9	4217115.46	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
2688	567009.09	4217112.84	2.07E-03	2.23E-03	1.79E-03	1.97E-03	2.17E-04	3.20E-04	1.89E-04	1.97E-04
2689	566997.27	4217110.23	2.15E-03	2.32E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.05E-04
2690	566973.64	4217104.99	2.27E-03	2.46E-03	1.97E-03	2.17E-03	2.39E-04	3.52E-04	2.08E-04	2.17E-04
2691	567095.32	4217106.45	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
2692	567084.84	4217112.23	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.06E-04	2.15E-04
2693	567042.1	4217129.74	1.56E-03	1.69E-03	1.36E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2694	567030.41	4217127.15	1.64E-03	1.77E-03	1.42E-03	1.56E-03	1.72E-04	2.53E-04	1.49E-04	1.56E-04
2695	567018.73	4217124.56	1.71E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.65E-04	1.57E-04	1.63E-04
2696	567007.04	4217121.97	1.79E-03	1.94E-03	1.56E-03	1.71E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04

2697	566995.36	4217119.38	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
2698	566983.67	4217116.8	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
2699	567117.1	4217105.14	3.29E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.10E-04	3.01E-04	3.14E-04
2700	567096.32	4217116.58	2.19E-03	2.36E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
2701	567085.94	4217122.3	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
2702	567075.55	4217128.02	1.64E-03	1.77E-03	1.42E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.56E-04
2703	567065.16	4217133.74	1.47E-03	1.59E-03	1.28E-03	1.41E-03	1.54E-04	2.28E-04	1.35E-04	1.40E-04
2704	567043.59	4217139.66	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2705	567032.01	4217137.09	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.48E-04	2.18E-04	1.28E-04	1.34E-04
2706	567020.44	4217134.53	1.47E-03	1.59E-03	1.28E-03	1.41E-03	1.55E-04	2.28E-04	1.35E-04	1.41E-04
2707	567008.86	4217131.96	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.39E-04	1.41E-04	1.47E-04
2708	566997.28	4217129.39	1.62E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.48E-04	1.54E-04
2709	566985.7	4217126.83	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
2710	566962.55	4217121.7	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.64E-04	1.71E-04
2711	567124.87	4217111.54	3.06E-03	3.30E-03	2.65E-03	2.92E-03	3.21E-04	4.73E-04	2.79E-04	2.91E-04
2712	567114.56	4217117.22	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.81E-04	2.25E-04	2.34E-04
2713	567093.95	4217128.57	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
2714	567083.65	4217134.24	1.51E-03	1.63E-03	1.31E-03	1.45E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
2715	567073.34	4217139.92	1.35E-03	1.46E-03	1.18E-03	1.29E-03	1.42E-04	2.10E-04	1.24E-04	1.29E-04
2716	567063.04	4217145.59	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
2717	567037.42	4217147.87	1.20E-03	1.30E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
2718	567025.93	4217145.33	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
2719	567014.44	4217142.78	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.21E-04	1.26E-04
2720	567002.96	4217140.24	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2721	566991.47	4217137.69	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.32E-04	1.38E-04
2722	566979.99	4217135.15	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
2723	566957.01	4217130.06	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
2724	567121.29	4217124.2	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.06E-04	2.15E-04
2725	567100.09	4217135.87	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.65E-04	2.44E-04	1.44E-04	1.50E-04
2726	567089.49	4217141.71	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.44E-04	2.13E-04	1.25E-04	1.31E-04
2727	567078.89	4217147.55	1.23E-03	1.32E-03	1.06E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
2728	567068.29	4217153.38	1.12E-03	1.21E-03	9.69E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
2729	567057.69	4217159.22	1.03E-03	1.11E-03	8.95E-04	9.86E-04	1.08E-04	1.60E-04	9.42E-05	9.83E-05
2730	567034.46	4217156.8	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.66E-04	9.82E-05	1.02E-04
2731	567022.65	4217154.18	1.12E-03	1.21E-03	9.76E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
2732	567010.83	4217151.57	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.24E-04	1.82E-04	1.08E-04	1.12E-04
2733	566999.02	4217148.95	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
2734	566987.21	4217146.33	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	2.00E-04	1.18E-04	1.23E-04
2735	566975.39	4217143.71	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2736	566951.76	4217138.48	1.44E-03	1.55E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
2737	567118.64	4217136.33	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2738	567097.62	4217147.91	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2739	567087.11	4217153.7	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
2740	567076.6	4217159.49	1.04E-03	1.13E-03	9.06E-04	9.97E-04	1.10E-04	1.62E-04	9.54E-05	9.95E-05
2741	567066.09	4217165.28	9.63E-04	1.04E-03	8.35E-04	9.20E-04	1.01E-04	1.49E-04	8.79E-05	9.18E-05
2742	567051.67	4217170.2	9.07E-04	9.79E-04	7.87E-04	8.66E-04	9.51E-05	1.40E-04	8.28E-05	8.65E-05
2743	567028.24	4217165.01	9.78E-04	1.06E-03	8.49E-04	9.34E-04	1.03E-04	1.51E-04	8.94E-05	9.32E-05
2744	567016.52	4217162.41	1.02E-03	1.10E-03	8.86E-04	9.76E-04	1.07E-04	1.58E-04	9.33E-05	9.73E-05
2745	567004.81	4217159.81	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
2746	566993.09	4217157.22	1.12E-03	1.20E-03	9.68E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
2747	566981.37	4217154.62	1.16E-03	1.26E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
2748	566969.66	4217152.02	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
2749	566946.23	4217146.83	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.37E-04	2.01E-04	1.19E-04	1.24E-04
2750	567102.21	4217156.06	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04

2751	567091.78	4217161.81	1.05E-03	1.13E-03	9.10E-04	1.00E-03	1.10E-04	1.62E-04	9.58E-05	9.99E-05
2752	567081.34	4217167.56	9.54E-04	1.03E-03	8.28E-04	9.12E-04	1.00E-04	1.48E-04	8.72E-05	9.10E-05
2753	567070.91	4217173.3	8.82E-04	9.52E-04	7.65E-04	8.42E-04	9.25E-05	1.36E-04	8.05E-05	8.40E-05
2754	567060.47	4217179.05	8.24E-04	8.89E-04	7.15E-04	7.87E-04	8.64E-05	1.27E-04	7.52E-05	7.85E-05
2755	567049.24	4217179.24	8.22E-04	8.88E-04	7.13E-04	7.85E-04	8.63E-05	1.27E-04	7.51E-05	7.84E-05
2756	567025.98	4217174.09	8.83E-04	9.54E-04	7.66E-04	8.44E-04	9.27E-05	1.37E-04	8.07E-05	8.42E-05
2757	567014.35	4217171.51	9.19E-04	9.93E-04	7.98E-04	8.78E-04	9.64E-05	1.42E-04	8.40E-05	8.76E-05
2758	567002.72	4217168.94	9.59E-04	1.03E-03	8.32E-04	9.16E-04	1.01E-04	1.48E-04	8.76E-05	9.14E-05
2759	566991.09	4217166.36	1.00E-03	1.08E-03	8.68E-04	9.55E-04	1.05E-04	1.55E-04	9.14E-05	9.53E-05
2760	566979.47	4217163.78	1.04E-03	1.13E-03	9.05E-04	9.97E-04	1.09E-04	1.62E-04	9.53E-05	9.95E-05
2761	566967.84	4217161.2	1.09E-03	1.17E-03	9.43E-04	1.04E-03	1.14E-04	1.68E-04	9.92E-05	1.04E-04
2762	566944.58	4217156.05	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
2763	567099.88	4217168.03	9.95E-04	1.07E-03	8.63E-04	9.51E-04	1.04E-04	1.54E-04	9.09E-05	9.49E-05
2764	567089.52	4217173.74	9.03E-04	9.75E-04	7.83E-04	8.62E-04	9.47E-05	1.40E-04	8.25E-05	8.61E-05
2765	567079.15	4217179.44	8.32E-04	8.98E-04	7.22E-04	7.95E-04	8.73E-05	1.29E-04	7.60E-05	7.93E-05
2766	567068.78	4217185.15	7.76E-04	8.37E-04	6.73E-04	7.41E-04	8.14E-05	1.20E-04	7.09E-05	7.39E-05
2767	567054.57	4217190.01	7.36E-04	7.95E-04	6.39E-04	7.03E-04	7.72E-05	1.14E-04	6.72E-05	7.02E-05
2768	567043.01	4217187.45	7.58E-04	8.18E-04	6.57E-04	7.24E-04	7.95E-05	1.17E-04	6.92E-05	7.22E-05
2769	567019.91	4217182.33	8.12E-04	8.77E-04	7.05E-04	7.76E-04	8.52E-05	1.26E-04	7.42E-05	7.74E-05
2770	567008.35	4217179.77	8.44E-04	9.11E-04	7.32E-04	8.06E-04	8.85E-05	1.31E-04	7.71E-05	8.04E-05
2771	566996.8	4217177.21	8.77E-04	9.47E-04	7.61E-04	8.38E-04	9.20E-05	1.36E-04	8.01E-05	8.36E-05
2772	566985.24	4217174.65	9.14E-04	9.87E-04	7.93E-04	8.73E-04	9.59E-05	1.42E-04	8.35E-05	8.72E-05
2773	566973.69	4217172.08	9.53E-04	1.03E-03	8.27E-04	9.10E-04	1.00E-04	1.47E-04	8.70E-05	9.08E-05
2774	566939.03	4217164.4	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
2775	567098.71	4217179.36	8.67E-04	9.35E-04	7.52E-04	8.28E-04	9.09E-05	1.34E-04	7.92E-05	8.26E-05
2776	567088.11	4217185.19	7.93E-04	8.56E-04	6.88E-04	7.58E-04	8.32E-05	1.23E-04	7.25E-05	7.56E-05
2777	567077.51	4217191.03	7.36E-04	7.94E-04	6.39E-04	7.03E-04	7.72E-05	1.14E-04	6.72E-05	7.02E-05
2778	567066.91	4217196.87	6.90E-04	7.45E-04	5.99E-04	6.59E-04	7.24E-05	1.07E-04	6.31E-05	6.58E-05
2779	567055.9	4217199.89	6.70E-04	7.23E-04	5.81E-04	6.40E-04	7.03E-05	1.04E-04	6.12E-05	6.39E-05
2780	567044.09	4217197.27	6.88E-04	7.43E-04	5.97E-04	6.57E-04	7.22E-05	1.07E-04	6.29E-05	6.56E-05
2781	567020.46	4217192.03	7.35E-04	7.93E-04	6.38E-04	7.02E-04	7.71E-05	1.14E-04	6.71E-05	7.01E-05
2782	567008.64	4217189.41	7.62E-04	8.23E-04	6.61E-04	7.28E-04	7.99E-05	1.18E-04	6.96E-05	7.26E-05
2783	566996.83	4217186.8	7.92E-04	8.54E-04	6.87E-04	7.56E-04	8.30E-05	1.23E-04	7.23E-05	7.55E-05
2784	566985.02	4217184.18	8.24E-04	8.90E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.86E-05
2785	566973.2	4217181.56	8.59E-04	9.27E-04	7.45E-04	8.20E-04	9.01E-05	1.33E-04	7.84E-05	8.18E-05
2786	566937.76	4217173.71	9.65E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
2787	566925.94	4217171.09	9.98E-04	1.08E-03	8.66E-04	9.53E-04	1.05E-04	1.54E-04	9.11E-05	9.51E-05
2788	567096.35	4217191.33	7.56E-04	8.16E-04	6.56E-04	7.22E-04	7.93E-05	1.17E-04	6.91E-05	7.21E-05
2789	567085.83	4217197.13	7.00E-04	7.55E-04	6.07E-04	6.69E-04	7.34E-05	1.08E-04	6.39E-05	6.67E-05
2790	567075.3	4217202.93	6.55E-04	7.07E-04	5.68E-04	6.26E-04	6.87E-05	1.01E-04	5.99E-05	6.25E-05
2791	567064.77	4217208.73	6.19E-04	6.68E-04	5.37E-04	5.91E-04	6.49E-05	9.58E-05	5.65E-05	5.90E-05
2792	567053.44	4217208.92	6.18E-04	6.67E-04	5.36E-04	5.90E-04	6.48E-05	9.56E-05	5.64E-05	5.89E-05
2793	567041.7	4217206.32	6.34E-04	6.85E-04	5.50E-04	6.06E-04	6.65E-05	9.82E-05	5.79E-05	6.04E-05
2794	567018.23	4217201.12	6.75E-04	7.28E-04	5.85E-04	6.44E-04	7.07E-05	1.04E-04	6.16E-05	6.43E-05
2795	567006.5	4217198.52	6.98E-04	7.53E-04	6.05E-04	6.66E-04	7.32E-05	1.08E-04	6.37E-05	6.65E-05
2796	566994.77	4217195.92	7.23E-04	7.80E-04	6.27E-04	6.91E-04	7.58E-05	1.12E-04	6.60E-05	6.89E-05
2797	566983.03	4217193.32	7.51E-04	8.11E-04	6.52E-04	7.18E-04	7.88E-05	1.16E-04	6.86E-05	7.16E-05
2798	566971.3	4217190.72	7.81E-04	8.44E-04	6.78E-04	7.46E-04	8.20E-05	1.21E-04	7.14E-05	7.45E-05
2799	566947.83	4217185.52	8.44E-04	9.11E-04	7.32E-04	8.06E-04	8.85E-05	1.31E-04	7.71E-05	8.04E-05
2800	566936.09	4217182.92	8.75E-04	9.45E-04	7.60E-04	8.36E-04	9.18E-05	1.36E-04	8.00E-05	8.34E-05
2801	566924.36	4217180.32	9.06E-04	9.78E-04	7.86E-04	8.65E-04	9.50E-05	1.40E-04	8.28E-05	8.64E-05
2802	567101.05	4217199.43	7.04E-04	7.60E-04	6.11E-04	6.72E-04	7.38E-05	1.09E-04	6.43E-05	6.71E-05
2803	567090.59	4217205.19	6.52E-04	7.04E-04	5.66E-04	6.23E-04	6.84E-05	1.01E-04	5.96E-05	6.22E-05
2804	567080.12	4217210.95	6.12E-04	6.60E-04	5.31E-04	5.84E-04	6.42E-05	9.47E-05	5.59E-05	5.83E-05

2805	567069.66	4217216.71	5.79E-04	6.25E-04	5.02E-04	5.53E-04	6.07E-05	8.96E-05	5.29E-05	5.52E-05
2806	567058.79	4217219.69	5.64E-04	6.08E-04	4.89E-04	5.38E-04	5.91E-05	8.72E-05	5.15E-05	5.37E-05
2807	567047.13	4217217.11	5.77E-04	6.22E-04	5.00E-04	5.51E-04	6.05E-05	8.93E-05	5.27E-05	5.50E-05
2808	567023.81	4217211.94	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.43E-05	5.56E-05	5.81E-05
2809	567012.14	4217209.36	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.59E-05	9.72E-05	5.74E-05	5.99E-05
2810	567000.48	4217206.77	6.49E-04	7.00E-04	5.63E-04	6.20E-04	6.80E-05	1.00E-04	5.93E-05	6.18E-05
2811	566988.82	4217204.19	6.72E-04	7.25E-04	5.83E-04	6.41E-04	7.04E-05	1.04E-04	6.13E-05	6.40E-05
2812	566977.16	4217201.6	6.97E-04	7.52E-04	6.04E-04	6.66E-04	7.31E-05	1.08E-04	6.36E-05	6.64E-05
2813	566965.49	4217199.02	7.23E-04	7.81E-04	6.28E-04	6.91E-04	7.59E-05	1.12E-04	6.61E-05	6.89E-05
2814	566942.17	4217193.85	7.78E-04	8.40E-04	6.75E-04	7.43E-04	8.16E-05	1.20E-04	7.11E-05	7.42E-05
2815	566930.5	4217191.26	8.07E-04	8.71E-04	7.00E-04	7.70E-04	8.46E-05	1.25E-04	7.37E-05	7.69E-05
2816	566918.84	4217188.68	8.34E-04	9.01E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05
2817	567098.79	4217211.35	6.25E-04	6.74E-04	5.42E-04	5.97E-04	6.55E-05	9.67E-05	5.71E-05	5.96E-05
2818	567088.38	4217217.08	5.84E-04	6.31E-04	5.07E-04	5.58E-04	6.13E-05	9.05E-05	5.34E-05	5.57E-05
2819	567077.98	4217222.81	5.52E-04	5.96E-04	4.79E-04	5.27E-04	5.79E-05	8.55E-05	5.04E-05	5.26E-05
2820	567067.57	4217228.54	5.25E-04	5.67E-04	4.56E-04	5.02E-04	5.51E-05	8.13E-05	4.80E-05	5.01E-05
2821	567056.37	4217228.74	5.24E-04	5.66E-04	4.55E-04	5.01E-04	5.50E-05	8.11E-05	4.79E-05	5.00E-05
2822	567044.77	4217226.17	5.36E-04	5.78E-04	4.65E-04	5.12E-04	5.62E-05	8.29E-05	4.89E-05	5.11E-05
2823	567021.58	4217221.03	5.64E-04	6.09E-04	4.89E-04	5.39E-04	5.91E-05	8.73E-05	5.15E-05	5.37E-05
2824	567009.98	4217218.46	5.80E-04	6.27E-04	5.04E-04	5.54E-04	6.09E-05	8.98E-05	5.30E-05	5.53E-05
2825	566998.38	4217215.89	5.99E-04	6.46E-04	5.19E-04	5.72E-04	6.28E-05	9.27E-05	5.47E-05	5.71E-05
2826	566986.78	4217213.32	6.18E-04	6.68E-04	5.37E-04	5.91E-04	6.49E-05	9.57E-05	5.65E-05	5.89E-05
2827	566975.18	4217210.75	6.40E-04	6.91E-04	5.55E-04	6.12E-04	6.71E-05	9.91E-05	5.85E-05	6.10E-05
2828	566940.39	4217203.04	7.12E-04	7.68E-04	6.17E-04	6.80E-04	7.46E-05	1.10E-04	6.50E-05	6.78E-05
2829	566928.79	4217200.47	7.37E-04	7.95E-04	6.39E-04	7.04E-04	7.73E-05	1.14E-04	6.73E-05	7.02E-05
2830	566917.19	4217197.9	7.63E-04	8.23E-04	6.62E-04	7.29E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
2831	567097.32	4217222.84	5.63E-04	6.07E-04	4.88E-04	5.37E-04	5.90E-05	8.71E-05	5.14E-05	5.36E-05
2832	567086.72	4217228.68	5.29E-04	5.71E-04	4.59E-04	5.06E-04	5.55E-05	8.19E-05	4.84E-05	5.05E-05
2833	567076.12	4217234.52	5.02E-04	5.42E-04	4.36E-04	4.80E-04	5.27E-05	7.78E-05	4.59E-05	4.79E-05
2834	567061.59	4217239.48	4.83E-04	5.21E-04	4.19E-04	4.61E-04	5.06E-05	7.47E-05	4.41E-05	4.60E-05
2835	567049.77	4217236.86	4.93E-04	5.32E-04	4.27E-04	4.71E-04	5.17E-05	7.63E-05	4.50E-05	4.70E-05
2836	567026.14	4217231.63	5.16E-04	5.57E-04	4.48E-04	4.93E-04	5.41E-05	7.99E-05	4.71E-05	4.92E-05
2837	567014.33	4217229.01	5.30E-04	5.72E-04	4.60E-04	5.06E-04	5.56E-05	8.21E-05	4.84E-05	5.05E-05
2838	567002.52	4217226.39	5.46E-04	5.89E-04	4.74E-04	5.21E-04	5.72E-05	8.45E-05	4.99E-05	5.20E-05
2839	566990.7	4217223.77	5.63E-04	6.07E-04	4.88E-04	5.37E-04	5.90E-05	8.71E-05	5.14E-05	5.36E-05
2840	566978.89	4217221.15	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.09E-05	8.99E-05	5.31E-05	5.54E-05
2841	566967.07	4217218.54	6.01E-04	6.49E-04	5.21E-04	5.74E-04	6.30E-05	9.30E-05	5.49E-05	5.73E-05
2842	566943.44	4217213.3	6.44E-04	6.95E-04	5.59E-04	6.15E-04	6.75E-05	9.97E-05	5.88E-05	6.14E-05
2843	566931.63	4217210.68	6.67E-04	7.20E-04	5.79E-04	6.37E-04	6.99E-05	1.03E-04	6.09E-05	6.36E-05
2844	566919.82	4217208.06	6.91E-04	7.46E-04	5.99E-04	6.60E-04	7.25E-05	1.07E-04	6.31E-05	6.58E-05
2845	566908	4217205.44	7.15E-04	7.72E-04	6.20E-04	6.83E-04	7.50E-05	1.11E-04	6.53E-05	6.81E-05
2846	567091.54	4217236.71	4.99E-04	5.38E-04	4.33E-04	4.76E-04	5.23E-05	7.72E-05	4.55E-05	4.75E-05
2847	567081	4217242.51	4.74E-04	5.11E-04	4.11E-04	4.52E-04	4.97E-05	7.33E-05	4.33E-05	4.51E-05
2848	567070.46	4217248.32	4.52E-04	4.88E-04	3.92E-04	4.32E-04	4.74E-05	7.00E-05	4.13E-05	4.31E-05
2849	567059.11	4217248.52	4.51E-04	4.87E-04	3.92E-04	4.31E-04	4.73E-05	6.99E-05	4.12E-05	4.30E-05
2850	567047.37	4217245.91	4.61E-04	4.97E-04	4.00E-04	4.40E-04	4.83E-05	7.13E-05	4.21E-05	4.39E-05
2851	567023.87	4217240.71	4.82E-04	5.20E-04	4.18E-04	4.60E-04	5.05E-05	7.46E-05	4.40E-05	4.59E-05
2852	567012.13	4217238.1	4.94E-04	5.34E-04	4.29E-04	4.72E-04	5.18E-05	7.65E-05	4.52E-05	4.71E-05
2853	567000.38	4217235.5	5.08E-04	5.48E-04	4.41E-04	4.85E-04	5.33E-05	7.86E-05	4.64E-05	4.84E-05
2854	566988.63	4217232.9	5.23E-04	5.64E-04	4.53E-04	4.99E-04	5.48E-05	8.09E-05	4.77E-05	4.98E-05
2855	566976.89	4217230.29	5.38E-04	5.81E-04	4.67E-04	5.14E-04	5.65E-05	8.33E-05	4.92E-05	5.13E-05
2856	566965.14	4217227.69	5.55E-04	6.00E-04	4.82E-04	5.31E-04	5.83E-05	8.60E-05	5.07E-05	5.29E-05
2857	566941.64	4217222.48	5.94E-04	6.41E-04	5.15E-04	5.67E-04	6.23E-05	9.19E-05	5.42E-05	5.66E-05
2858	566929.9	4217219.88	6.14E-04	6.63E-04	5.33E-04	5.87E-04	6.44E-05	9.51E-05	5.61E-05	5.85E-05

2859	566918.15	4217217.28	6.36E-04	6.86E-04	5.52E-04	6.07E-04	6.67E-05	9.84E-05	5.81E-05	6.06E-05
2860	566906.4	4217214.67	6.58E-04	7.10E-04	5.71E-04	6.28E-04	6.90E-05	1.02E-04	6.01E-05	6.27E-05
2861	567089.34	4217248.6	4.55E-04	4.91E-04	3.94E-04	4.34E-04	4.77E-05	7.04E-05	4.15E-05	4.33E-05
2862	567078.85	4217254.38	4.34E-04	4.68E-04	3.77E-04	4.15E-04	4.55E-05	6.72E-05	3.96E-05	4.14E-05
2863	567064.47	4217259.29	4.18E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.82E-05	3.99E-05
2864	567052.79	4217256.7	4.26E-04	4.60E-04	3.70E-04	4.07E-04	4.47E-05	6.60E-05	3.89E-05	4.06E-05
2865	567041.1	4217254.11	4.35E-04	4.70E-04	3.77E-04	4.16E-04	4.56E-05	6.73E-05	3.97E-05	4.15E-05
2866	567017.73	4217248.93	4.55E-04	4.91E-04	3.95E-04	4.35E-04	4.77E-05	7.04E-05	4.16E-05	4.34E-05
2867	567006.04	4217246.34	4.66E-04	5.03E-04	4.05E-04	4.45E-04	4.89E-05	7.22E-05	4.26E-05	4.44E-05
2868	566994.36	4217243.75	4.79E-04	5.17E-04	4.15E-04	4.57E-04	5.02E-05	7.41E-05	4.37E-05	4.56E-05
2869	566982.67	4217241.16	4.92E-04	5.31E-04	4.26E-04	4.69E-04	5.16E-05	7.61E-05	4.49E-05	4.68E-05
2870	566970.99	4217238.57	5.05E-04	5.46E-04	4.38E-04	4.83E-04	5.30E-05	7.82E-05	4.62E-05	4.82E-05
2871	566947.61	4217233.39	5.37E-04	5.80E-04	4.66E-04	5.13E-04	5.64E-05	8.32E-05	4.91E-05	5.12E-05
2872	566935.93	4217230.8	5.55E-04	5.99E-04	4.82E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
2873	566924.24	4217228.21	5.74E-04	6.20E-04	4.98E-04	5.48E-04	6.02E-05	8.88E-05	5.24E-05	5.47E-05
2874	566912.56	4217225.62	5.94E-04	6.41E-04	5.15E-04	5.67E-04	6.23E-05	9.19E-05	5.42E-05	5.66E-05
2875	566900.87	4217223.03	6.14E-04	6.62E-04	5.32E-04	5.86E-04	6.44E-05	9.50E-05	5.60E-05	5.85E-05
2876	567087.18	4217260.47	4.17E-04	4.50E-04	3.62E-04	3.98E-04	4.37E-05	6.46E-05	3.81E-05	3.98E-05
2877	567076.74	4217266.22	4.00E-04	4.31E-04	3.47E-04	3.82E-04	4.19E-05	6.19E-05	3.65E-05	3.81E-05
2878	567065.91	4217269.19	3.91E-04	4.23E-04	3.40E-04	3.74E-04	4.11E-05	6.06E-05	3.58E-05	3.73E-05
2879	567054.28	4217266.61	3.98E-04	4.30E-04	3.46E-04	3.81E-04	4.18E-05	6.17E-05	3.64E-05	3.80E-05
2880	567042.65	4217264.03	4.06E-04	4.39E-04	3.53E-04	3.88E-04	4.26E-05	6.29E-05	3.71E-05	3.87E-05
2881	567019.39	4217258.88	4.24E-04	4.58E-04	3.68E-04	4.05E-04	4.45E-05	6.56E-05	3.87E-05	4.04E-05
2882	567007.76	4217256.3	4.34E-04	4.68E-04	3.76E-04	4.14E-04	4.55E-05	6.72E-05	3.96E-05	4.14E-05
2883	566996.13	4217253.73	4.44E-04	4.80E-04	3.86E-04	4.25E-04	4.66E-05	6.88E-05	4.06E-05	4.24E-05
2884	566984.51	4217251.15	4.55E-04	4.92E-04	3.95E-04	4.35E-04	4.78E-05	7.05E-05	4.16E-05	4.34E-05
2885	566972.88	4217248.57	4.67E-04	5.04E-04	4.05E-04	4.46E-04	4.90E-05	7.23E-05	4.27E-05	4.45E-05
2886	566937.99	4217240.84	5.10E-04	5.50E-04	4.42E-04	4.87E-04	5.35E-05	7.89E-05	4.66E-05	4.86E-05
2887	566926.36	4217238.26	5.26E-04	5.68E-04	4.57E-04	5.03E-04	5.52E-05	8.15E-05	4.81E-05	5.02E-05
2888	566914.73	4217235.69	5.44E-04	5.87E-04	4.72E-04	5.19E-04	5.70E-05	8.41E-05	4.96E-05	5.18E-05
2889	566903.1	4217233.11	5.61E-04	6.06E-04	4.87E-04	5.36E-04	5.89E-05	8.69E-05	5.13E-05	5.35E-05
2890	566891.47	4217230.53	5.80E-04	6.26E-04	5.03E-04	5.54E-04	6.08E-05	8.98E-05	5.30E-05	5.53E-05
2891	567016.08	4217267.73	4.00E-04	4.32E-04	3.47E-04	3.82E-04	4.20E-05	6.19E-05	3.65E-05	3.81E-05
2892	567004.26	4217265.11	4.09E-04	4.42E-04	3.55E-04	3.91E-04	4.29E-05	6.33E-05	3.74E-05	3.90E-05
2893	566992.45	4217262.49	4.19E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.83E-05	3.99E-05
2894	566980.63	4217259.87	4.29E-04	4.63E-04	3.72E-04	4.09E-04	4.50E-05	6.63E-05	3.92E-05	4.09E-05
2895	566968.82	4217257.26	4.39E-04	4.74E-04	3.81E-04	4.20E-04	4.61E-05	6.80E-05	4.01E-05	4.19E-05
2896	566945.19	4217252.02	4.64E-04	5.01E-04	4.03E-04	4.43E-04	4.87E-05	7.19E-05	4.24E-05	4.42E-05
2897	566933.38	4217249.4	4.78E-04	5.16E-04	4.15E-04	4.57E-04	5.02E-05	7.40E-05	4.37E-05	4.56E-05
2898	566921.56	4217246.78	4.93E-04	5.33E-04	4.28E-04	4.71E-04	5.17E-05	7.64E-05	4.51E-05	4.70E-05
2899	566909.75	4217244.17	5.09E-04	5.50E-04	4.42E-04	4.86E-04	5.34E-05	7.88E-05	4.65E-05	4.85E-05
2900	566897.94	4217241.55	5.26E-04	5.68E-04	4.56E-04	5.02E-04	5.52E-05	8.14E-05	4.80E-05	5.01E-05
2901	566974.66	4217268.13	4.06E-04	4.38E-04	3.52E-04	3.88E-04	4.26E-05	6.28E-05	3.71E-05	3.87E-05
2902	566962.91	4217265.53	4.16E-04	4.49E-04	3.61E-04	3.97E-04	4.36E-05	6.43E-05	3.80E-05	3.96E-05
2903	566939.39	4217260.32	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.78E-05	4.00E-05	4.18E-05
2904	566927.64	4217257.71	4.51E-04	4.87E-04	3.91E-04	4.31E-04	4.73E-05	6.98E-05	4.12E-05	4.30E-05
2905	566915.88	4217255.11	4.65E-04	5.01E-04	4.03E-04	4.44E-04	4.87E-05	7.19E-05	4.24E-05	4.43E-05
2906	566904.13	4217252.5	4.79E-04	5.17E-04	4.16E-04	4.58E-04	5.02E-05	7.41E-05	4.38E-05	4.57E-05
2907	566892.37	4217249.9	4.94E-04	5.33E-04	4.29E-04	4.72E-04	5.18E-05	7.65E-05	4.51E-05	4.71E-05
2908	567088.05	4217292.03	3.39E-04	3.66E-04	2.94E-04	3.24E-04	3.56E-05	5.25E-05	3.10E-05	3.23E-05
2909	567077.55	4217297.82	3.27E-04	3.53E-04	2.84E-04	3.12E-04	3.43E-05	5.06E-05	2.99E-05	3.12E-05
2910	567066.25	4217298.01	3.27E-04	3.53E-04	2.84E-04	3.12E-04	3.43E-05	5.06E-05	2.99E-05	3.12E-05
2911	567054.55	4217295.42	3.33E-04	3.59E-04	2.89E-04	3.18E-04	3.49E-05	5.15E-05	3.04E-05	3.17E-05
2912	567042.85	4217292.83	3.39E-04	3.66E-04	2.94E-04	3.24E-04	3.56E-05	5.25E-05	3.10E-05	3.23E-05

2913	566925.82	4217266.89	4.22E-04	4.56E-04	3.66E-04	4.03E-04	4.43E-05	6.53E-05	3.85E-05	4.02E-05
2914	566914.12	4217264.3	4.34E-04	4.69E-04	3.77E-04	4.15E-04	4.55E-05	6.72E-05	3.97E-05	4.14E-05
2915	566902.41	4217261.71	4.47E-04	4.83E-04	3.88E-04	4.27E-04	4.69E-05	6.92E-05	4.08E-05	4.26E-05
2916	566890.71	4217259.11	4.61E-04	4.97E-04	4.00E-04	4.40E-04	4.83E-05	7.13E-05	4.21E-05	4.39E-05
2917	567092.9	4217300.05	3.23E-04	3.49E-04	2.81E-04	3.09E-04	3.39E-05	5.00E-05	2.95E-05	3.08E-05
2918	567082.44	4217305.8	3.12E-04	3.37E-04	2.71E-04	2.98E-04	3.27E-05	4.83E-05	2.85E-05	2.98E-05
2919	567071.59	4217308.78	3.07E-04	3.31E-04	2.66E-04	2.93E-04	3.22E-05	4.75E-05	2.81E-05	2.93E-05
2920	567059.94	4217306.2	3.12E-04	3.37E-04	2.71E-04	2.98E-04	3.28E-05	4.83E-05	2.85E-05	2.98E-05
2921	567048.28	4217303.62	3.18E-04	3.43E-04	2.76E-04	3.04E-04	3.33E-05	4.92E-05	2.90E-05	3.03E-05
2922	567024.98	4217298.45	3.30E-04	3.56E-04	2.86E-04	3.15E-04	3.46E-05	5.11E-05	3.01E-05	3.15E-05
2923	567013.32	4217295.87	3.36E-04	3.63E-04	2.92E-04	3.21E-04	3.52E-05	5.20E-05	3.07E-05	3.20E-05
2924	567001.67	4217293.29	3.42E-04	3.69E-04	2.97E-04	3.27E-04	3.59E-05	5.30E-05	3.13E-05	3.26E-05
2925	566896.79	4217270.05	4.22E-04	4.56E-04	3.66E-04	4.03E-04	4.43E-05	6.53E-05	3.86E-05	4.02E-05
2926	566873.49	4217264.88	4.48E-04	4.83E-04	3.89E-04	4.28E-04	4.70E-05	6.93E-05	4.09E-05	4.27E-05
2927	566984.36	4217075.23	3.61E-03	3.90E-03	3.13E-03	3.45E-03	3.79E-04	5.59E-04	3.30E-04	3.44E-04
2928	566921.49	4217140.18	1.40E-03	1.51E-03	1.21E-03	1.34E-03	1.47E-04	2.16E-04	1.28E-04	1.33E-04
2929	566915.24	4217147.99	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2930	566908.99	4217155.79	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2931	566871.81	4217215.7	6.69E-04	7.22E-04	5.80E-04	6.39E-04	7.01E-05	1.04E-04	6.11E-05	6.37E-05
2932	566865.55	4217223.5	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.58E-05	9.72E-05	5.73E-05	5.98E-05
2933	566941.1	4216986.91	7.15E-03	7.72E-03	6.20E-03	6.83E-03	7.50E-04	1.11E-03	6.53E-04	6.81E-04
2934	567105.11	4217057.3	1.44E-02	1.55E-02	1.25E-02	1.38E-02	1.51E-03	2.23E-03	1.32E-03	1.37E-03
2935	567123.77	4217062.54	1.38E-02	1.49E-02	1.19E-02	1.32E-02	1.44E-03	2.13E-03	1.26E-03	1.31E-03
2936	567133.1	4217065.16	1.33E-02	1.44E-02	1.15E-02	1.27E-02	1.40E-03	2.06E-03	1.21E-03	1.27E-03
2937	567121.07	4217072.17	9.06E-03	9.78E-03	7.86E-03	8.66E-03	9.50E-04	1.40E-03	8.28E-04	8.64E-04
2938	567130.4	4217074.79	8.99E-03	9.70E-03	7.80E-03	8.59E-03	9.43E-04	1.39E-03	8.21E-04	8.57E-04
2939	566971.93	4217095.26	2.60E-03	2.81E-03	2.26E-03	2.49E-03	2.73E-04	4.03E-04	2.38E-04	2.48E-04
2940	566934.25	4217088.37	2.60E-03	2.80E-03	2.25E-03	2.48E-03	2.72E-04	4.02E-04	2.37E-04	2.47E-04
2941	566937.86	4217114.93	1.90E-03	2.05E-03	1.65E-03	1.81E-03	1.99E-04	2.94E-04	1.74E-04	1.81E-04
2942	566923.51	4217103.3	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.28E-04	1.94E-04	2.02E-04
2943	566892.71	4216996.09	4.34E-03	4.68E-03	3.76E-03	4.14E-03	4.55E-04	6.72E-04	3.96E-04	4.14E-04
2944	566874.6	4217000.12	3.72E-03	4.01E-03	3.22E-03	3.55E-03	3.90E-04	5.75E-04	3.39E-04	3.54E-04
2945	566828.79	4217003.34	2.70E-03	2.91E-03	2.34E-03	2.58E-03	2.83E-04	4.18E-04	2.47E-04	2.57E-04
2946	566887.02	4217191.93	8.22E-04	8.87E-04	7.13E-04	7.85E-04	8.62E-05	1.27E-04	7.51E-05	7.83E-05
2947	566872.25	4217179.96	9.21E-04	9.94E-04	7.99E-04	8.80E-04	9.66E-05	1.43E-04	8.41E-05	8.78E-05
2948	566801.76	4217011.12	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
2949	567053.43	4217312.85	3.01E-04	3.25E-04	2.61E-04	2.88E-04	3.16E-05	4.66E-05	2.75E-05	2.87E-05
2950	567062.76	4217315.47	2.96E-04	3.20E-04	2.57E-04	2.83E-04	3.11E-05	4.58E-05	2.71E-05	2.82E-05
2951	567072.09	4217318.09	2.91E-04	3.15E-04	2.53E-04	2.78E-04	3.06E-05	4.51E-05	2.66E-05	2.78E-05
2952	566852.55	4217211.27	7.01E-04	7.57E-04	6.08E-04	6.70E-04	7.35E-05	1.09E-04	6.40E-05	6.68E-05
2953	566966.74	4217298.87	3.35E-04	3.61E-04	2.90E-04	3.20E-04	3.51E-05	5.18E-05	3.06E-05	3.19E-05
2954	566976.07	4217301.49	3.29E-04	3.55E-04	2.85E-04	3.14E-04	3.45E-05	5.09E-05	3.00E-05	3.13E-05
2955	566985.4	4217304.12	3.23E-04	3.48E-04	2.80E-04	3.08E-04	3.38E-05	4.99E-05	2.95E-05	3.08E-05
2956	566994.73	4217306.74	3.17E-04	3.42E-04	2.75E-04	3.03E-04	3.33E-05	4.91E-05	2.90E-05	3.02E-05
2957	567004.06	4217309.36	3.12E-04	3.36E-04	2.70E-04	2.98E-04	3.27E-05	4.82E-05	2.85E-05	2.97E-05
2958	567013.4	4217311.98	3.06E-04	3.31E-04	2.66E-04	2.93E-04	3.21E-05	4.74E-05	2.80E-05	2.92E-05
2959	567022.73	4217314.61	3.01E-04	3.25E-04	2.61E-04	2.88E-04	3.16E-05	4.66E-05	2.75E-05	2.87E-05
2960	567041.39	4217319.85	2.91E-04	3.14E-04	2.52E-04	2.78E-04	3.05E-05	4.50E-05	2.66E-05	2.77E-05
2961	567050.72	4217322.47	2.86E-04	3.09E-04	2.48E-04	2.73E-04	3.00E-05	4.43E-05	2.61E-05	2.72E-05
2962	567060.05	4217325.1	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
2963	567069.39	4217327.72	2.77E-04	2.99E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.53E-05	2.64E-05
2964	566947.27	4217299.85	3.35E-04	3.62E-04	2.91E-04	3.20E-04	3.51E-05	5.19E-05	3.06E-05	3.19E-05
2965	566939.83	4217293.83	3.49E-04	3.77E-04	3.03E-04	3.33E-04	3.66E-05	5.40E-05	3.19E-05	3.33E-05
2966	566765.45	4217018.17	1.85E-03	1.99E-03	1.60E-03	1.76E-03	1.94E-04	2.86E-04	1.69E-04	1.76E-04

2967	566964.03	4217308.5	3.17E-04	3.42E-04	2.75E-04	3.03E-04	3.32E-05	4.90E-05	2.89E-05	3.02E-05
2968	566973.36	4217311.12	3.11E-04	3.36E-04	2.70E-04	2.97E-04	3.26E-05	4.82E-05	2.84E-05	2.97E-05
2969	566982.7	4217313.74	3.06E-04	3.30E-04	2.65E-04	2.92E-04	3.21E-05	4.74E-05	2.79E-05	2.92E-05
2970	566992.03	4217316.36	3.01E-04	3.25E-04	2.61E-04	2.87E-04	3.15E-05	4.66E-05	2.75E-05	2.87E-05
2971	567001.36	4217318.99	2.96E-04	3.19E-04	2.57E-04	2.83E-04	3.10E-05	4.58E-05	2.70E-05	2.82E-05
2972	567010.69	4217321.61	2.91E-04	3.14E-04	2.52E-04	2.78E-04	3.05E-05	4.50E-05	2.66E-05	2.77E-05
2973	567020.02	4217324.23	2.86E-04	3.09E-04	2.48E-04	2.73E-04	3.00E-05	4.43E-05	2.61E-05	2.73E-05
2974	567038.69	4217329.48	2.77E-04	2.99E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.53E-05	2.64E-05
2975	567048.02	4217332.1	2.72E-04	2.94E-04	2.36E-04	2.60E-04	2.85E-05	4.21E-05	2.48E-05	2.59E-05
2976	567057.35	4217334.72	2.68E-04	2.89E-04	2.32E-04	2.56E-04	2.81E-05	4.14E-05	2.44E-05	2.55E-05
2977	567066.68	4217337.34	2.63E-04	2.84E-04	2.29E-04	2.52E-04	2.76E-05	4.08E-05	2.41E-05	2.51E-05
2978	566944.61	4217309.52	3.17E-04	3.42E-04	2.75E-04	3.02E-04	3.32E-05	4.90E-05	2.89E-05	3.02E-05
2979	566937.23	4217303.54	3.29E-04	3.55E-04	2.85E-04	3.14E-04	3.45E-05	5.09E-05	3.00E-05	3.14E-05
2980	566929.85	4217297.55	3.42E-04	3.70E-04	2.97E-04	3.27E-04	3.59E-05	5.30E-05	3.13E-05	3.26E-05
2981	566870.79	4217249.69	5.05E-04	5.45E-04	4.38E-04	4.82E-04	5.29E-05	7.81E-05	4.61E-05	4.81E-05
2982	566970.66	4217320.75	2.95E-04	3.19E-04	2.56E-04	2.82E-04	3.10E-05	4.57E-05	2.70E-05	2.81E-05
2983	566979.99	4217323.37	2.91E-04	3.14E-04	2.52E-04	2.78E-04	3.05E-05	4.50E-05	2.65E-05	2.77E-05
2984	566989.32	4217325.99	2.86E-04	3.09E-04	2.48E-04	2.73E-04	3.00E-05	4.43E-05	2.61E-05	2.72E-05
2985	566998.65	4217328.61	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
2986	567007.98	4217331.24	2.77E-04	2.99E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.53E-05	2.64E-05
2987	567017.32	4217333.86	2.72E-04	2.94E-04	2.36E-04	2.60E-04	2.86E-05	4.22E-05	2.49E-05	2.60E-05
2988	567026.65	4217336.48	2.68E-04	2.89E-04	2.32E-04	2.56E-04	2.81E-05	4.15E-05	2.45E-05	2.55E-05
2989	567045.31	4217341.73	2.59E-04	2.80E-04	2.25E-04	2.48E-04	2.72E-05	4.01E-05	2.37E-05	2.47E-05
2990	567054.64	4217344.35	2.55E-04	2.75E-04	2.21E-04	2.44E-04	2.67E-05	3.95E-05	2.33E-05	2.43E-05
2991	567063.97	4217346.97	2.51E-04	2.71E-04	2.18E-04	2.40E-04	2.63E-05	3.89E-05	2.29E-05	2.39E-05
2992	566941.95	4217319.18	3.00E-04	3.23E-04	2.60E-04	2.86E-04	3.14E-05	4.64E-05	2.74E-05	2.86E-05
2993	566934.62	4217313.24	3.11E-04	3.35E-04	2.70E-04	2.97E-04	3.26E-05	4.81E-05	2.84E-05	2.96E-05
2994	566927.28	4217307.29	3.23E-04	3.48E-04	2.80E-04	3.08E-04	3.38E-05	4.99E-05	2.95E-05	3.08E-05
2995	566919.95	4217301.35	3.36E-04	3.62E-04	2.91E-04	3.21E-04	3.52E-05	5.20E-05	3.07E-05	3.20E-05
2996	566912.61	4217295.41	3.50E-04	3.78E-04	3.04E-04	3.34E-04	3.67E-05	5.42E-05	3.20E-05	3.33E-05
2997	566773.24	4217182.46	8.49E-04	9.16E-04	7.36E-04	8.11E-04	8.90E-05	1.31E-04	7.75E-05	8.09E-05
2998	566765.91	4217176.51	8.75E-04	9.45E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	8.00E-05	8.34E-05
2999	566757.86	4217161.15	9.52E-04	1.03E-03	8.26E-04	9.09E-04	9.99E-05	1.47E-04	8.70E-05	9.07E-05
3000	566949.29	4217325.13	2.90E-04	3.13E-04	2.51E-04	2.77E-04	3.04E-05	4.48E-05	2.64E-05	2.76E-05
3001	566967.95	4217330.37	2.81E-04	3.03E-04	2.44E-04	2.68E-04	2.94E-05	4.34E-05	2.56E-05	2.68E-05
3002	566977.28	4217333	2.76E-04	2.98E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.52E-05	2.63E-05
3003	566986.62	4217335.62	2.72E-04	2.94E-04	2.36E-04	2.60E-04	2.85E-05	4.21E-05	2.49E-05	2.59E-05
3004	566995.95	4217338.24	2.68E-04	2.89E-04	2.33E-04	2.56E-04	2.81E-05	4.15E-05	2.45E-05	2.55E-05
3005	567005.28	4217340.86	2.64E-04	2.85E-04	2.29E-04	2.52E-04	2.77E-05	4.08E-05	2.41E-05	2.51E-05
3006	567014.61	4217343.49	2.60E-04	2.80E-04	2.25E-04	2.48E-04	2.72E-05	4.02E-05	2.37E-05	2.48E-05
3007	567023.94	4217346.11	2.56E-04	2.76E-04	2.22E-04	2.44E-04	2.68E-05	3.96E-05	2.33E-05	2.44E-05
3008	567042.61	4217351.35	2.47E-04	2.67E-04	2.15E-04	2.36E-04	2.60E-05	3.83E-05	2.26E-05	2.36E-05
3009	567051.94	4217353.98	2.43E-04	2.63E-04	2.11E-04	2.33E-04	2.55E-05	3.77E-05	2.22E-05	2.32E-05
3010	567061.27	4217356.6	2.40E-04	2.59E-04	2.08E-04	2.29E-04	2.51E-05	3.71E-05	2.19E-05	2.29E-05
3011	567279.1	4217261.6	8.80E-04	9.49E-04	7.63E-04	8.40E-04	9.23E-05	1.36E-04	8.03E-05	8.38E-05
3012	567122.82	4217293.39	3.43E-04	3.71E-04	2.98E-04	3.28E-04	3.60E-05	5.32E-05	3.14E-05	3.27E-05
3013	567289.51	4217263.28	9.04E-04	9.76E-04	7.85E-04	8.64E-04	9.48E-05	1.40E-04	8.26E-05	8.62E-05
3014	567218.76	4217291.17	4.75E-04	5.13E-04	4.12E-04	4.54E-04	4.99E-05	7.36E-05	4.34E-05	4.53E-05
3015	567209.76	4217292.25	4.50E-04	4.86E-04	3.91E-04	4.30E-04	4.72E-05	6.97E-05	4.11E-05	4.29E-05
3016	567200.77	4217293.34	4.28E-04	4.61E-04	3.71E-04	4.08E-04	4.48E-05	6.62E-05	3.90E-05	4.07E-05
3017	567191.77	4217294.42	4.07E-04	4.40E-04	3.53E-04	3.89E-04	4.27E-05	6.31E-05	3.72E-05	3.88E-05
3018	567173.77	4217296.58	3.74E-04	4.04E-04	3.25E-04	3.58E-04	3.93E-05	5.80E-05	3.42E-05	3.57E-05
3019	567164.77	4217297.66	3.61E-04	3.90E-04	3.14E-04	3.45E-04	3.79E-05	5.59E-05	3.30E-05	3.45E-05
3020	567155.78	4217298.74	3.50E-04	3.78E-04	3.04E-04	3.35E-04	3.67E-05	5.42E-05	3.20E-05	3.34E-05

3021	567146.78	4217299.82	3.41E-04	3.68E-04	2.96E-04	3.26E-04	3.58E-05	5.28E-05	3.12E-05	3.25E-05
3022	567137.78	4217300.9	3.33E-04	3.60E-04	2.89E-04	3.18E-04	3.50E-05	5.16E-05	3.05E-05	3.18E-05
3023	567119.79	4217303.06	3.22E-04	3.48E-04	2.79E-04	3.08E-04	3.38E-05	4.98E-05	2.94E-05	3.07E-05
3024	567305.4	4217257.97	1.01E-03	1.09E-03	8.80E-04	9.69E-04	1.06E-04	1.57E-04	9.26E-05	9.67E-05
3025	567268.72	4217294.48	5.97E-04	6.45E-04	5.18E-04	5.71E-04	6.27E-05	9.25E-05	5.46E-05	5.69E-05
3026	567250.84	4217296.62	5.34E-04	5.76E-04	4.63E-04	5.10E-04	5.60E-05	8.26E-05	4.87E-05	5.09E-05
3027	567232.97	4217298.77	4.76E-04	5.14E-04	4.13E-04	4.55E-04	5.00E-05	7.37E-05	4.35E-05	4.54E-05
3028	567215.09	4217300.92	4.28E-04	4.62E-04	3.71E-04	4.08E-04	4.48E-05	6.62E-05	3.91E-05	4.08E-05
3029	567197.22	4217303.06	3.88E-04	4.19E-04	3.37E-04	3.71E-04	4.07E-05	6.00E-05	3.54E-05	3.70E-05
3030	567179.34	4217305.21	3.57E-04	3.85E-04	3.10E-04	3.41E-04	3.75E-05	5.53E-05	3.26E-05	3.40E-05
3031	567170.4	4217306.28	3.45E-04	3.72E-04	2.99E-04	3.29E-04	3.62E-05	5.34E-05	3.15E-05	3.29E-05
3032	567152.53	4217308.43	3.25E-04	3.51E-04	2.82E-04	3.11E-04	3.41E-05	5.04E-05	2.97E-05	3.10E-05
3033	567134.65	4217310.58	3.12E-04	3.37E-04	2.71E-04	2.98E-04	3.27E-05	4.83E-05	2.85E-05	2.97E-05
3034	567116.78	4217312.72	3.03E-04	3.27E-04	2.63E-04	2.89E-04	3.18E-05	4.69E-05	2.77E-05	2.89E-05
3035	567089.97	4217315.94	2.95E-04	3.18E-04	2.56E-04	2.82E-04	3.09E-05	4.56E-05	2.69E-05	2.81E-05
3036	567317.1	4217258.02	1.05E-03	1.14E-03	9.13E-04	1.01E-03	1.10E-04	1.63E-04	9.61E-05	1.00E-04
3037	567311.34	4217265.37	9.62E-04	1.04E-03	8.34E-04	9.19E-04	1.01E-04	1.49E-04	8.78E-05	9.17E-05
3038	567288.32	4217294.77	6.55E-04	7.07E-04	5.69E-04	6.26E-04	6.87E-05	1.01E-04	5.99E-05	6.25E-05
3039	567273.3	4217303.23	5.62E-04	6.06E-04	4.87E-04	5.37E-04	5.89E-05	8.70E-05	5.13E-05	5.35E-05
3040	567254.76	4217305.46	5.01E-04	5.41E-04	4.34E-04	4.78E-04	5.25E-05	7.75E-05	4.57E-05	4.77E-05
3041	567245.49	4217306.57	4.73E-04	5.10E-04	4.10E-04	4.51E-04	4.96E-05	7.32E-05	4.32E-05	4.51E-05
3042	567236.22	4217307.68	4.46E-04	4.82E-04	3.87E-04	4.26E-04	4.68E-05	6.91E-05	4.08E-05	4.26E-05
3043	567226.95	4217308.79	4.22E-04	4.56E-04	3.66E-04	4.03E-04	4.43E-05	6.54E-05	3.86E-05	4.03E-05
3044	567217.68	4217309.91	4.01E-04	4.32E-04	3.47E-04	3.83E-04	4.20E-05	6.20E-05	3.66E-05	3.82E-05
3045	567208.42	4217311.02	3.81E-04	4.11E-04	3.31E-04	3.64E-04	4.00E-05	5.90E-05	3.48E-05	3.63E-05
3046	567199.15	4217312.13	3.64E-04	3.92E-04	3.15E-04	3.47E-04	3.81E-05	5.63E-05	3.32E-05	3.47E-05
3047	567171.34	4217315.47	3.24E-04	3.50E-04	2.81E-04	3.09E-04	3.40E-05	5.01E-05	2.96E-05	3.09E-05
3048	567162.07	4217316.59	3.14E-04	3.39E-04	2.73E-04	3.00E-04	3.30E-05	4.87E-05	2.87E-05	3.00E-05
3049	567152.8	4217317.7	3.06E-04	3.31E-04	2.66E-04	2.93E-04	3.21E-05	4.74E-05	2.80E-05	2.92E-05
3050	567143.53	4217318.81	3.00E-04	3.23E-04	2.60E-04	2.86E-04	3.14E-05	4.64E-05	2.74E-05	2.86E-05
3051	567134.27	4217319.93	2.94E-04	3.18E-04	2.55E-04	2.81E-04	3.09E-05	4.55E-05	2.69E-05	2.80E-05
3052	567125	4217321.04	2.90E-04	3.13E-04	2.51E-04	2.77E-04	3.04E-05	4.49E-05	2.65E-05	2.76E-05
3053	567115.73	4217322.15	2.86E-04	3.09E-04	2.48E-04	2.74E-04	3.00E-05	4.43E-05	2.62E-05	2.73E-05
3054	567097.19	4217324.38	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
3055	567087.92	4217325.49	2.80E-04	3.02E-04	2.43E-04	2.67E-04	2.93E-05	4.33E-05	2.55E-05	2.67E-05
3056	567078.65	4217326.6	2.78E-04	3.00E-04	2.41E-04	2.66E-04	2.92E-05	4.30E-05	2.54E-05	2.65E-05
3057	567401.72	4217164.92	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
3058	567384.58	4217186.81	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.96E-04	1.75E-04	1.83E-04
3059	567378.87	4217194.1	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.87E-04	1.69E-04	1.77E-04
3060	567373.16	4217201.4	1.78E-03	1.92E-03	1.55E-03	1.70E-03	1.87E-04	2.76E-04	1.63E-04	1.70E-04
3061	567367.45	4217208.69	1.70E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.62E-04
3062	567356.02	4217223.28	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.60E-04	2.37E-04	1.40E-04	1.46E-04
3063	567350.31	4217230.58	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
3064	567344.6	4217237.87	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
3065	567327.46	4217259.76	1.07E-03	1.15E-03	9.24E-04	1.02E-03	1.12E-04	1.65E-04	9.73E-05	1.02E-04
3066	567304.61	4217288.94	7.45E-04	8.04E-04	6.46E-04	7.11E-04	7.81E-05	1.15E-04	6.80E-05	7.10E-05
3067	567298.9	4217296.24	6.78E-04	7.32E-04	5.88E-04	6.47E-04	7.11E-05	1.05E-04	6.19E-05	6.46E-05
3068	567293.18	4217303.53	6.16E-04	6.65E-04	5.35E-04	5.89E-04	6.46E-05	9.54E-05	5.63E-05	5.87E-05
3069	567278.27	4217311.93	5.30E-04	5.73E-04	4.60E-04	5.07E-04	5.56E-05	8.21E-05	4.85E-05	5.06E-05
3070	567269.07	4217313.04	5.02E-04	5.42E-04	4.35E-04	4.79E-04	5.26E-05	7.77E-05	4.58E-05	4.78E-05
3071	567250.67	4217315.25	4.48E-04	4.84E-04	3.89E-04	4.28E-04	4.70E-05	6.94E-05	4.10E-05	4.27E-05
3072	567241.47	4217316.35	4.24E-04	4.58E-04	3.68E-04	4.05E-04	4.45E-05	6.57E-05	3.88E-05	4.04E-05
3073	567232.27	4217317.46	4.02E-04	4.34E-04	3.49E-04	3.84E-04	4.22E-05	6.22E-05	3.67E-05	3.83E-05
3074	567223.07	4217318.56	3.82E-04	4.12E-04	3.31E-04	3.65E-04	4.00E-05	5.91E-05	3.49E-05	3.64E-05

3075	567213.87	4217319.67	3.64E-04	3.92E-04	3.15E-04	3.47E-04	3.81E-05	5.63E-05	3.32E-05	3.47E-05
3076	567204.68	4217320.77	3.47E-04	3.75E-04	3.01E-04	3.32E-04	3.64E-05	5.38E-05	3.17E-05	3.31E-05
3077	567195.48	4217321.88	3.33E-04	3.59E-04	2.89E-04	3.18E-04	3.49E-05	5.15E-05	3.04E-05	3.17E-05
3078	567177.08	4217324.09	3.10E-04	3.35E-04	2.69E-04	2.96E-04	3.25E-05	4.80E-05	2.83E-05	2.95E-05
3079	567167.88	4217325.19	3.01E-04	3.25E-04	2.61E-04	2.87E-04	3.16E-05	4.66E-05	2.75E-05	2.87E-05
3080	567158.68	4217326.3	2.93E-04	3.16E-04	2.54E-04	2.80E-04	3.07E-05	4.54E-05	2.68E-05	2.79E-05
3081	567149.48	4217327.4	2.87E-04	3.09E-04	2.49E-04	2.74E-04	3.01E-05	4.44E-05	2.62E-05	2.73E-05
3082	567140.28	4217328.51	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
3083	567131.08	4217329.61	2.77E-04	2.99E-04	2.40E-04	2.65E-04	2.91E-05	4.29E-05	2.53E-05	2.64E-05
3084	567121.88	4217330.72	2.74E-04	2.95E-04	2.37E-04	2.61E-04	2.87E-05	4.24E-05	2.50E-05	2.61E-05
3085	567094.28	4217334.03	2.67E-04	2.88E-04	2.32E-04	2.55E-04	2.80E-05	4.13E-05	2.44E-05	2.55E-05
3086	567085.08	4217335.13	2.66E-04	2.87E-04	2.31E-04	2.54E-04	2.79E-05	4.11E-05	2.43E-05	2.53E-05
3087	567075.88	4217336.24	2.64E-04	2.85E-04	2.29E-04	2.53E-04	2.77E-05	4.09E-05	2.42E-05	2.52E-05
3088	567394.49	4217189.13	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.86E-04	1.69E-04	1.76E-04
3089	567388.82	4217196.38	1.80E-03	1.94E-03	1.56E-03	1.71E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04
3090	567383.15	4217203.62	1.73E-03	1.87E-03	1.50E-03	1.66E-03	1.82E-04	2.68E-04	1.58E-04	1.65E-04
3091	567377.48	4217210.87	1.66E-03	1.80E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.59E-04
3092	567371.8	4217218.11	1.59E-03	1.71E-03	1.38E-03	1.52E-03	1.66E-04	2.46E-04	1.45E-04	1.51E-04
3093	567366.13	4217225.36	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.33E-04	1.38E-04	1.44E-04
3094	567360.46	4217232.6	1.42E-03	1.53E-03	1.23E-03	1.36E-03	1.49E-04	2.20E-04	1.30E-04	1.35E-04
3095	567354.78	4217239.85	1.33E-03	1.44E-03	1.16E-03	1.27E-03	1.40E-04	2.07E-04	1.22E-04	1.27E-04
3096	567349.11	4217247.09	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
3097	567315.07	4217290.56	7.65E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.29E-05
3098	567309.4	4217297.81	6.98E-04	7.54E-04	6.06E-04	6.67E-04	7.32E-05	1.08E-04	6.38E-05	6.65E-05
3099	567298.05	4217312.3	5.80E-04	6.26E-04	5.03E-04	5.54E-04	6.09E-05	8.98E-05	5.30E-05	5.53E-05
3100	567283.24	4217320.64	5.02E-04	5.41E-04	4.35E-04	4.79E-04	5.26E-05	7.76E-05	4.58E-05	4.78E-05
3101	567274.11	4217321.74	4.75E-04	5.13E-04	4.12E-04	4.54E-04	4.98E-05	7.35E-05	4.34E-05	4.53E-05
3102	567246.7	4217325.03	4.04E-04	4.36E-04	3.50E-04	3.86E-04	4.24E-05	6.25E-05	3.69E-05	3.85E-05
3103	567237.56	4217326.12	3.83E-04	4.14E-04	3.32E-04	3.66E-04	4.02E-05	5.93E-05	3.50E-05	3.65E-05
3104	567228.43	4217327.22	3.64E-04	3.93E-04	3.16E-04	3.48E-04	3.82E-05	5.64E-05	3.33E-05	3.47E-05
3105	567219.29	4217328.32	3.47E-04	3.75E-04	3.01E-04	3.32E-04	3.64E-05	5.38E-05	3.17E-05	3.31E-05
3106	567210.15	4217329.42	3.32E-04	3.58E-04	2.88E-04	3.17E-04	3.48E-05	5.14E-05	3.03E-05	3.17E-05
3107	567201.02	4217330.51	3.19E-04	3.44E-04	2.76E-04	3.04E-04	3.34E-05	4.93E-05	2.91E-05	3.04E-05
3108	567191.88	4217331.61	3.07E-04	3.31E-04	2.66E-04	2.93E-04	3.22E-05	4.75E-05	2.80E-05	2.93E-05
3109	567173.61	4217333.81	2.88E-04	3.11E-04	2.50E-04	2.75E-04	3.02E-05	4.46E-05	2.63E-05	2.75E-05
3110	567164.47	4217334.9	2.81E-04	3.03E-04	2.44E-04	2.68E-04	2.94E-05	4.35E-05	2.56E-05	2.68E-05
3111	567155.34	4217336	2.75E-04	2.96E-04	2.38E-04	2.62E-04	2.88E-05	4.25E-05	2.51E-05	2.62E-05
3112	567146.2	4217337.1	2.69E-04	2.91E-04	2.34E-04	2.57E-04	2.83E-05	4.17E-05	2.46E-05	2.57E-05
3113	567137.06	4217338.19	2.65E-04	2.86E-04	2.30E-04	2.53E-04	2.78E-05	4.11E-05	2.42E-05	2.53E-05
3114	567127.93	4217339.29	2.62E-04	2.83E-04	2.27E-04	2.50E-04	2.75E-05	4.05E-05	2.39E-05	2.50E-05
3115	567118.79	4217340.39	2.59E-04	2.80E-04	2.25E-04	2.48E-04	2.72E-05	4.01E-05	2.37E-05	2.47E-05
3116	567100.52	4217342.58	2.55E-04	2.76E-04	2.22E-04	2.44E-04	2.68E-05	3.95E-05	2.33E-05	2.43E-05
3117	567091.38	4217343.68	2.54E-04	2.74E-04	2.20E-04	2.43E-04	2.66E-05	3.93E-05	2.32E-05	2.42E-05
3118	567082.25	4217344.78	2.53E-04	2.73E-04	2.19E-04	2.42E-04	2.65E-05	3.92E-05	2.31E-05	2.41E-05
3119	567073.11	4217345.87	2.52E-04	2.72E-04	2.19E-04	2.41E-04	2.64E-05	3.90E-05	2.30E-05	2.40E-05
3120	567398.75	4217198.68	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.82E-04	2.69E-04	1.59E-04	1.66E-04
3121	567393.11	4217205.88	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.60E-04
3122	567381.84	4217220.27	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
3123	567370.56	4217234.67	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
3124	567364.93	4217241.87	1.32E-03	1.43E-03	1.15E-03	1.26E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
3125	567353.65	4217256.27	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
3126	567325.47	4217292.26	7.82E-04	8.44E-04	6.78E-04	7.47E-04	8.20E-05	1.21E-04	7.14E-05	7.45E-05
3127	567319.83	4217299.46	7.16E-04	7.73E-04	6.22E-04	6.84E-04	7.51E-05	1.11E-04	6.54E-05	6.83E-05
3128	567308.56	4217313.86	5.99E-04	6.47E-04	5.20E-04	5.72E-04	6.28E-05	9.28E-05	5.47E-05	5.71E-05

3129	567288.21	4217329.34	4.75E-04	5.13E-04	4.12E-04	4.54E-04	4.98E-05	7.35E-05	4.34E-05	4.53E-05
3130	567279.13	4217330.43	4.51E-04	4.87E-04	3.91E-04	4.31E-04	4.73E-05	6.98E-05	4.12E-05	4.30E-05
3131	567270.06	4217331.52	4.27E-04	4.61E-04	3.71E-04	4.08E-04	4.48E-05	6.62E-05	3.90E-05	4.07E-05
3132	567251.9	4217333.71	3.85E-04	4.15E-04	3.34E-04	3.67E-04	4.03E-05	5.95E-05	3.51E-05	3.67E-05
3133	567242.82	4217334.8	3.66E-04	3.95E-04	3.17E-04	3.49E-04	3.83E-05	5.66E-05	3.34E-05	3.48E-05
3134	567233.74	4217335.89	3.48E-04	3.76E-04	3.02E-04	3.32E-04	3.65E-05	5.39E-05	3.18E-05	3.32E-05
3135	567224.67	4217336.98	3.32E-04	3.58E-04	2.88E-04	3.17E-04	3.48E-05	5.14E-05	3.03E-05	3.16E-05
3136	567215.59	4217338.07	3.18E-04	3.43E-04	2.76E-04	3.04E-04	3.33E-05	4.92E-05	2.90E-05	3.03E-05
3137	567206.51	4217339.16	3.05E-04	3.29E-04	2.65E-04	2.91E-04	3.20E-05	4.72E-05	2.79E-05	2.91E-05
3138	567197.43	4217340.25	2.94E-04	3.17E-04	2.55E-04	2.81E-04	3.08E-05	4.55E-05	2.69E-05	2.80E-05
3139	567179.28	4217342.43	2.76E-04	2.98E-04	2.40E-04	2.64E-04	2.90E-05	4.27E-05	2.52E-05	2.63E-05
3140	567170.2	4217343.52	2.69E-04	2.91E-04	2.34E-04	2.57E-04	2.82E-05	4.17E-05	2.46E-05	2.57E-05
3141	567161.12	4217344.61	2.63E-04	2.84E-04	2.28E-04	2.51E-04	2.76E-05	4.07E-05	2.40E-05	2.51E-05
3142	567152.05	4217345.7	2.58E-04	2.79E-04	2.24E-04	2.47E-04	2.71E-05	4.00E-05	2.36E-05	2.46E-05
3143	567142.97	4217346.79	2.54E-04	2.74E-04	2.21E-04	2.43E-04	2.67E-05	3.94E-05	2.32E-05	2.42E-05
3144	567133.89	4217347.88	2.51E-04	2.71E-04	2.18E-04	2.40E-04	2.63E-05	3.88E-05	2.29E-05	2.39E-05
3145	567124.81	4217348.97	2.48E-04	2.68E-04	2.15E-04	2.37E-04	2.60E-05	3.84E-05	2.27E-05	2.37E-05
3146	567115.74	4217350.06	2.46E-04	2.66E-04	2.14E-04	2.35E-04	2.58E-05	3.81E-05	2.25E-05	2.35E-05
3147	567097.58	4217352.24	2.43E-04	2.63E-04	2.11E-04	2.32E-04	2.55E-05	3.76E-05	2.22E-05	2.32E-05
3148	567088.5	4217353.33	2.42E-04	2.61E-04	2.10E-04	2.31E-04	2.54E-05	3.75E-05	2.21E-05	2.31E-05
3149	567079.42	4217354.42	2.41E-04	2.60E-04	2.09E-04	2.30E-04	2.53E-05	3.73E-05	2.20E-05	2.30E-05
3150	567070.35	4217355.51	2.40E-04	2.60E-04	2.09E-04	2.30E-04	2.52E-05	3.72E-05	2.20E-05	2.29E-05

	Row	19	T2	T3	T4I	T4f
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**88%**	**14%**	**9%**
			Year 2	Year 2	Year 2	Year 2
1	567145.96	4217064.54	8.19E-02	7.25E-02	1.17E-02	7.23E-03
2	567143.55	4217074.25	5.58E-02	4.94E-02	8.01E-03	4.93E-03
3	567141.15	4217083.96	4.00E-02	3.54E-02	5.73E-03	3.53E-03
4	567133.93	4217113.08	1.74E-02	1.54E-02	2.49E-03	1.54E-03
5	567131.52	4217122.78	1.38E-02	1.22E-02	1.97E-03	1.22E-03
6	567129.11	4217132.49	1.11E-02	9.83E-03	1.59E-03	9.81E-04
7	567126.71	4217142.19	9.14E-03	8.09E-03	1.31E-03	8.07E-04
8	567124.3	4217151.9	7.65E-03	6.77E-03	1.10E-03	6.75E-04
9	567121.89	4217161.61	6.51E-03	5.76E-03	9.33E-04	5.74E-04
10	567119.49	4217171.31	5.61E-03	4.97E-03	8.05E-04	4.96E-04
11	567117.08	4217181.02	4.91E-03	4.34E-03	7.04E-04	4.33E-04
12	567114.67	4217190.72	4.34E-03	3.84E-03	6.23E-04	3.83E-04
13	567102.64	4217239.25	2.67E-03	2.36E-03	3.83E-04	2.36E-04
14	567100.23	4217248.96	2.47E-03	2.19E-03	3.54E-04	2.18E-04
15	567097.83	4217258.67	2.29E-03	2.03E-03	3.29E-04	2.03E-04
16	567095.42	4217268.37	2.14E-03	1.89E-03	3.07E-04	1.89E-04
17	567178.64	4216983.73	1.78E-01	1.58E-01	2.56E-02	1.57E-02
18	567182.66	4216974.43	1.80E-01	1.59E-01	2.58E-02	1.59E-02
19	567187.53	4216987.36	1.42E-01	1.26E-01	2.04E-02	1.26E-02
20	567176.43	4216996.07	1.66E-01	1.47E-01	2.39E-02	1.47E-02
21	567192.3	4216977.06	1.43E-01	1.26E-01	2.05E-02	1.26E-02
22	567196.79	4216990.49	1.17E-01	1.04E-01	1.68E-02	1.04E-02
23	567189.91	4216999.48	1.23E-01	1.09E-01	1.76E-02	1.09E-02
24	567180.87	4217004.78	1.40E-01	1.24E-01	2.00E-02	1.23E-02
25	567169.67	4217006.41	1.78E-01	1.58E-01	2.56E-02	1.57E-02
26	567201.95	4216979.69	1.17E-01	1.04E-01	1.68E-02	1.03E-02
27	567206.21	4216993.42	9.91E-02	8.77E-02	1.42E-02	8.75E-03
28	567198.87	4217003.01	1.03E-01	9.14E-02	1.48E-02	9.13E-03
29	567185.56	4217013.46	1.19E-01	1.05E-01	1.70E-02	1.05E-02
30	567173.61	4217015.19	1.48E-01	1.31E-01	2.13E-02	1.31E-02
31	567211.6	4216982.32	9.86E-02	8.72E-02	1.41E-02	8.71E-03
32	567215.71	4216996.25	8.50E-02	7.52E-02	1.22E-02	7.51E-03
33	567208.06	4217006.24	8.84E-02	7.83E-02	1.27E-02	7.81E-03
34	567200.42	4217016.23	9.16E-02	8.10E-02	1.31E-02	8.08E-03
35	567190.37	4217022.12	1.01E-01	8.98E-02	1.45E-02	8.96E-03
36	567177.93	4217023.93	1.24E-01	1.10E-01	1.78E-02	1.09E-02
37	567165.48	4217025.73	1.60E-01	1.42E-01	2.30E-02	1.41E-02
38	567221.25	4216984.95	8.43E-02	7.46E-02	1.21E-02	7.44E-03
39	567225.24	4216999.03	7.39E-02	6.54E-02	1.06E-02	6.53E-03
40	567217.38	4217009.3	7.68E-02	6.80E-02	1.10E-02	6.79E-03
41	567209.52	4217019.57	7.92E-02	7.01E-02	1.14E-02	6.99E-03
42	567195.26	4217030.77	8.74E-02	7.73E-02	1.25E-02	7.72E-03
43	567182.45	4217032.63	1.04E-01	9.22E-02	1.49E-02	9.20E-03
44	567169.65	4217034.48	1.29E-01	1.15E-01	1.86E-02	1.14E-02
45	567230.89	4216987.59	7.29E-02	6.45E-02	1.04E-02	6.43E-03
46	567235.26	4217001.18	6.47E-02	5.73E-02	9.28E-03	5.72E-03
47	567228.12	4217010.51	6.72E-02	5.94E-02	9.63E-03	5.93E-03

48	567220.99	4217019.83	6.90E-02	6.10E-02	9.89E-03	6.09E-03
49	567213.85	4217029.15	7.02E-02	6.21E-02	1.01E-02	6.20E-03
50	567200.91	4217039.31	7.52E-02	6.65E-02	1.08E-02	6.64E-03
51	567189.29	4217041	8.57E-02	7.58E-02	1.23E-02	7.57E-03
52	567177.68	4217042.68	9.96E-02	8.81E-02	1.43E-02	8.79E-03
53	567166.06	4217044.36	1.19E-01	1.06E-01	1.71E-02	1.05E-02
54	567240.54	4216990.22	6.36E-02	5.63E-02	9.12E-03	5.62E-03
55	567244.8	4217003.95	5.73E-02	5.07E-02	8.22E-03	5.06E-03
56	567237.46	4217013.54	5.96E-02	5.27E-02	8.54E-03	5.26E-03
57	567230.13	4217023.13	6.12E-02	5.42E-02	8.78E-03	5.40E-03
58	567222.79	4217032.71	6.21E-02	5.50E-02	8.91E-03	5.49E-03
59	567215.45	4217042.3	6.23E-02	5.52E-02	8.94E-03	5.51E-03
60	567205.81	4217047.96	6.55E-02	5.79E-02	9.39E-03	5.78E-03
61	567193.86	4217049.69	7.32E-02	6.48E-02	1.05E-02	6.46E-03
62	567181.91	4217051.42	8.26E-02	7.31E-02	1.18E-02	7.29E-03
63	567169.96	4217053.15	9.42E-02	8.34E-02	1.35E-02	8.32E-03
64	567158.01	4217054.88	1.09E-01	9.62E-02	1.56E-02	9.60E-03
65	567250.19	4216992.85	5.60E-02	4.95E-02	8.03E-03	4.94E-03
66	567254.36	4217006.69	5.11E-02	4.52E-02	7.33E-03	4.51E-03
67	567246.86	4217016.5	5.32E-02	4.71E-02	7.63E-03	4.70E-03
68	567239.36	4217026.3	5.47E-02	4.84E-02	7.84E-03	4.83E-03
69	567231.85	4217036.11	5.55E-02	4.91E-02	7.96E-03	4.90E-03
70	567224.35	4217045.91	5.55E-02	4.91E-02	7.96E-03	4.90E-03
71	567210.73	4217056.61	5.71E-02	5.06E-02	8.19E-03	5.05E-03
72	567198.51	4217058.38	6.26E-02	5.54E-02	8.98E-03	5.53E-03
73	567186.29	4217060.14	6.87E-02	6.08E-02	9.85E-03	6.06E-03
74	567174.07	4217061.91	7.50E-02	6.63E-02	1.07E-02	6.62E-03
75	567161.85	4217063.68	8.04E-02	7.11E-02	1.15E-02	7.10E-03
76	567259.84	4216995.48	4.96E-02	4.39E-02	7.11E-03	4.38E-03
77	567263.94	4217009.41	4.57E-02	4.05E-02	6.56E-03	4.04E-03
78	567256.3	4217019.4	4.77E-02	4.22E-02	6.85E-03	4.22E-03
79	567248.66	4217029.39	4.91E-02	4.35E-02	7.05E-03	4.34E-03
80	567241.01	4217039.38	4.99E-02	4.41E-02	7.15E-03	4.40E-03
81	567233.37	4217049.36	4.99E-02	4.41E-02	7.15E-03	4.40E-03
82	567225.73	4217059.35	4.90E-02	4.34E-02	7.03E-03	4.33E-03
83	567215.68	4217065.25	5.00E-02	4.42E-02	7.17E-03	4.42E-03
84	567203.23	4217067.05	5.38E-02	4.76E-02	7.71E-03	4.75E-03
85	567190.79	4217068.85	5.74E-02	5.08E-02	8.24E-03	5.07E-03
86	567178.34	4217070.65	6.05E-02	5.35E-02	8.68E-03	5.34E-03
87	567165.89	4217072.46	6.19E-02	5.48E-02	8.88E-03	5.47E-03
88	567153.45	4217074.26	5.92E-02	5.24E-02	8.49E-03	5.23E-03
89	567269.48	4216998.11	4.42E-02	3.91E-02	6.34E-03	3.90E-03
90	567273.53	4217012.12	4.11E-02	3.64E-02	5.90E-03	3.63E-03
91	567265.77	4217022.26	4.30E-02	3.81E-02	6.17E-03	3.80E-03
92	567258.01	4217032.4	4.44E-02	3.93E-02	6.37E-03	3.92E-03
93	567250.25	4217042.54	4.51E-02	3.99E-02	6.47E-03	3.99E-03
94	567242.49	4217052.69	4.52E-02	4.00E-02	6.48E-03	3.99E-03
95	567234.73	4217062.83	4.44E-02	3.93E-02	6.36E-03	3.92E-03
96	567220.65	4217073.88	4.39E-02	3.88E-02	6.29E-03	3.88E-03
97	567208.01	4217075.71	4.64E-02	4.10E-02	6.65E-03	4.10E-03
98	567195.37	4217077.55	4.84E-02	4.29E-02	6.95E-03	4.28E-03
99	567182.73	4217079.38	4.96E-02	4.39E-02	7.12E-03	4.38E-03

100	567170.09	4217081.21	4.93E-02	4.36E-02	7.06E-03	4.35E-03
101	567157.45	4217083.04	4.61E-02	4.08E-02	6.61E-03	4.07E-03
102	567279.13	4217000.75	3.96E-02	3.50E-02	5.68E-03	3.50E-03
103	567283.13	4217014.82	3.72E-02	3.29E-02	5.33E-03	3.28E-03
104	567275.27	4217025.09	3.90E-02	3.45E-02	5.59E-03	3.44E-03
105	567267.41	4217035.36	4.03E-02	3.57E-02	5.78E-03	3.56E-03
106	567259.54	4217045.64	4.11E-02	3.63E-02	5.89E-03	3.63E-03
107	567251.68	4217055.91	4.11E-02	3.64E-02	5.90E-03	3.63E-03
108	567243.82	4217066.18	4.04E-02	3.58E-02	5.80E-03	3.57E-03
109	567235.96	4217076.46	3.89E-02	3.44E-02	5.58E-03	3.44E-03
110	567225.63	4217082.52	3.87E-02	3.42E-02	5.54E-03	3.41E-03
111	567212.82	4217084.37	4.02E-02	3.56E-02	5.77E-03	3.55E-03
112	567200.02	4217086.23	4.12E-02	3.64E-02	5.91E-03	3.64E-03
113	567187.22	4217088.08	4.14E-02	3.66E-02	5.93E-03	3.65E-03
114	567174.42	4217089.94	4.02E-02	3.56E-02	5.76E-03	3.55E-03
115	567161.61	4217091.79	3.71E-02	3.29E-02	5.32E-03	3.28E-03
116	567148.81	4217093.65	3.25E-02	2.87E-02	4.66E-03	2.87E-03
117	567288.78	4217003.38	3.56E-02	3.15E-02	5.11E-03	3.14E-03
118	567292.98	4217017.18	3.36E-02	2.98E-02	4.82E-03	2.97E-03
119	567285.53	4217026.92	3.53E-02	3.13E-02	5.07E-03	3.12E-03
120	567278.08	4217036.66	3.66E-02	3.24E-02	5.25E-03	3.23E-03
121	567270.62	4217046.4	3.74E-02	3.31E-02	5.37E-03	3.30E-03
122	567263.17	4217056.13	3.77E-02	3.33E-02	5.40E-03	3.33E-03
123	567255.72	4217065.87	3.74E-02	3.31E-02	5.36E-03	3.30E-03
124	567248.27	4217075.61	3.64E-02	3.22E-02	5.22E-03	3.21E-03
125	567240.82	4217085.35	3.47E-02	3.07E-02	4.98E-03	3.06E-03
126	567231.02	4217091.1	3.41E-02	3.02E-02	4.90E-03	3.01E-03
127	567218.89	4217092.85	3.50E-02	3.10E-02	5.02E-03	3.09E-03
128	567206.75	4217094.61	3.54E-02	3.13E-02	5.07E-03	3.12E-03
129	567194.61	4217096.37	3.51E-02	3.11E-02	5.04E-03	3.10E-03
130	567182.48	4217098.13	3.40E-02	3.01E-02	4.87E-03	3.00E-03
131	567170.34	4217099.88	3.17E-02	2.81E-02	4.55E-03	2.80E-03
132	567298.43	4217006.01	3.22E-02	2.85E-02	4.61E-03	2.84E-03
133	567302.58	4217019.88	3.06E-02	2.71E-02	4.39E-03	2.70E-03
134	567295.02	4217029.75	3.23E-02	2.85E-02	4.63E-03	2.85E-03
135	567287.47	4217039.62	3.35E-02	2.97E-02	4.81E-03	2.96E-03
136	567279.92	4217049.49	3.43E-02	3.04E-02	4.92E-03	3.03E-03
137	567272.36	4217059.36	3.46E-02	3.06E-02	4.96E-03	3.06E-03
138	567264.81	4217069.23	3.44E-02	3.04E-02	4.93E-03	3.03E-03
139	567257.26	4217079.1	3.35E-02	2.97E-02	4.81E-03	2.96E-03
140	567249.7	4217088.97	3.21E-02	2.84E-02	4.60E-03	2.83E-03
141	567236	4217099.73	3.03E-02	2.68E-02	4.35E-03	2.68E-03
142	567223.7	4217101.51	3.07E-02	2.72E-02	4.41E-03	2.71E-03
143	567211.4	4217103.3	3.07E-02	2.72E-02	4.40E-03	2.71E-03
144	567199.1	4217105.08	3.01E-02	2.66E-02	4.32E-03	2.66E-03
145	567149.9	4217112.2	2.07E-02	1.83E-02	2.96E-03	1.82E-03
146	567308.07	4217008.64	2.92E-02	2.58E-02	4.18E-03	2.58E-03
147	567312.18	4217022.57	2.79E-02	2.47E-02	4.01E-03	2.47E-03
148	567304.54	4217032.56	2.95E-02	2.61E-02	4.23E-03	2.61E-03
149	567296.89	4217042.55	3.07E-02	2.72E-02	4.41E-03	2.71E-03
150	567289.25	4217052.53	3.16E-02	2.79E-02	4.52E-03	2.79E-03
151	567281.61	4217062.52	3.19E-02	2.82E-02	4.57E-03	2.82E-03

152	567273.96	4217072.51	3.17E-02	2.81E-02	4.55E-03	2.80E-03
153	567266.32	4217082.5	3.10E-02	2.74E-02	4.45E-03	2.74E-03
154	567258.68	4217092.49	2.98E-02	2.63E-02	4.27E-03	2.63E-03
155	567251.03	4217102.47	2.79E-02	2.47E-02	4.00E-03	2.47E-03
156	567240.99	4217108.37	2.70E-02	2.39E-02	3.87E-03	2.38E-03
157	567228.54	4217110.17	2.71E-02	2.40E-02	3.89E-03	2.40E-03
158	567216.09	4217111.97	2.68E-02	2.37E-02	3.85E-03	2.37E-03
159	567166.31	4217119.18	2.02E-02	1.79E-02	2.89E-03	1.78E-03
160	567153.86	4217120.99	1.76E-02	1.56E-02	2.52E-03	1.55E-03
161	567141.41	4217122.79	1.51E-02	1.34E-02	2.17E-03	1.33E-03
162	567317.72	4217011.27	2.66E-02	2.35E-02	3.81E-03	2.35E-03
163	567321.79	4217025.26	2.56E-02	2.26E-02	3.67E-03	2.26E-03
164	567314.06	4217035.35	2.71E-02	2.40E-02	3.89E-03	2.39E-03
165	567306.34	4217045.44	2.83E-02	2.50E-02	4.05E-03	2.50E-03
166	567298.62	4217055.53	2.91E-02	2.57E-02	4.17E-03	2.57E-03
167	567290.89	4217065.63	2.95E-02	2.61E-02	4.22E-03	2.60E-03
168	567283.17	4217075.72	2.94E-02	2.60E-02	4.21E-03	2.59E-03
169	567275.44	4217085.81	2.88E-02	2.55E-02	4.13E-03	2.54E-03
170	567267.72	4217095.91	2.77E-02	2.45E-02	3.97E-03	2.45E-03
171	567260	4217106	2.61E-02	2.31E-02	3.74E-03	2.31E-03
172	567245.98	4217117	2.41E-02	2.14E-02	3.46E-03	2.13E-03
173	567233.41	4217118.82	2.40E-02	2.13E-02	3.45E-03	2.12E-03
174	567195.67	4217124.29	2.13E-02	1.88E-02	3.05E-03	1.88E-03
175	567170.52	4217127.93	1.74E-02	1.54E-02	2.49E-03	1.53E-03
176	567157.94	4217129.75	1.52E-02	1.34E-02	2.17E-03	1.34E-03
177	567145.36	4217131.58	1.31E-02	1.16E-02	1.88E-03	1.15E-03
178	567327.37	4217013.9	2.43E-02	2.15E-02	3.48E-03	2.14E-03
179	567331.4	4217027.93	2.35E-02	2.08E-02	3.37E-03	2.07E-03
180	567323.6	4217038.12	2.49E-02	2.21E-02	3.57E-03	2.20E-03
181	567315.81	4217048.31	2.61E-02	2.31E-02	3.74E-03	2.30E-03
182	567308.01	4217058.5	2.69E-02	2.38E-02	3.85E-03	2.37E-03
183	567300.21	4217068.68	2.73E-02	2.42E-02	3.91E-03	2.41E-03
184	567292.42	4217078.87	2.73E-02	2.41E-02	3.91E-03	2.41E-03
185	567284.62	4217089.06	2.68E-02	2.37E-02	3.85E-03	2.37E-03
186	567276.83	4217099.25	2.59E-02	2.29E-02	3.71E-03	2.29E-03
187	567212.9	4217131.15	1.99E-02	1.76E-02	2.85E-03	1.75E-03
188	567200.2	4217132.99	1.86E-02	1.64E-02	2.66E-03	1.64E-03
189	567174.81	4217136.67	1.51E-02	1.34E-02	2.16E-03	1.33E-03
190	567162.12	4217138.51	1.32E-02	1.17E-02	1.89E-03	1.17E-03
191	567149.42	4217140.35	1.14E-02	1.01E-02	1.64E-03	1.01E-03
192	567136.72	4217142.18	9.92E-03	8.78E-03	1.42E-03	8.76E-04
193	567337.02	4217016.54	2.22E-02	1.97E-02	3.19E-03	1.96E-03
194	567341.01	4217030.61	2.16E-02	1.91E-02	3.10E-03	1.91E-03
195	567333.15	4217040.88	2.30E-02	2.03E-02	3.29E-03	2.03E-03
196	567325.29	4217051.16	2.41E-02	2.13E-02	3.45E-03	2.13E-03
197	567317.43	4217061.43	2.49E-02	2.20E-02	3.57E-03	2.20E-03
198	567309.57	4217071.7	2.53E-02	2.24E-02	3.63E-03	2.24E-03
199	567301.7	4217081.97	2.54E-02	2.25E-02	3.64E-03	2.24E-03
200	567293.84	4217092.25	2.50E-02	2.22E-02	3.59E-03	2.21E-03
201	567285.98	4217102.52	2.43E-02	2.15E-02	3.48E-03	2.14E-03
202	567278.12	4217112.79	2.31E-02	2.04E-02	3.31E-03	2.04E-03
203	567243.19	4217136.12	1.91E-02	1.69E-02	2.75E-03	1.69E-03

204	567230.39	4217137.98	1.85E-02	1.64E-02	2.65E-03	1.63E-03
205	567217.59	4217139.83	1.76E-02	1.55E-02	2.52E-03	1.55E-03
206	567204.78	4217141.68	1.63E-02	1.44E-02	2.34E-03	1.44E-03
207	567166.38	4217147.25	1.16E-02	1.03E-02	1.67E-03	1.03E-03
208	567153.57	4217149.1	1.01E-02	8.95E-03	1.45E-03	8.94E-04
209	567140.77	4217150.96	8.81E-03	7.79E-03	1.26E-03	7.78E-04
210	567346.66	4217019.17	2.05E-02	1.81E-02	2.93E-03	1.81E-03
211	567350.63	4217033.28	1.99E-02	1.77E-02	2.86E-03	1.76E-03
212	567342.71	4217043.63	2.12E-02	1.88E-02	3.04E-03	1.87E-03
213	567334.79	4217053.98	2.23E-02	1.97E-02	3.20E-03	1.97E-03
214	567326.87	4217064.33	2.31E-02	2.04E-02	3.31E-03	2.04E-03
215	567318.95	4217074.68	2.36E-02	2.09E-02	3.38E-03	2.08E-03
216	567311.02	4217085.03	2.37E-02	2.10E-02	3.40E-03	2.09E-03
217	567303.1	4217095.39	2.34E-02	2.07E-02	3.36E-03	2.07E-03
218	567295.18	4217105.74	2.28E-02	2.02E-02	3.27E-03	2.01E-03
219	567287.26	4217116.09	2.17E-02	1.92E-02	3.12E-03	1.92E-03
220	567279.34	4217126.44	2.03E-02	1.80E-02	2.92E-03	1.80E-03
221	567248.11	4217144.77	1.72E-02	1.52E-02	2.47E-03	1.52E-03
222	567235.21	4217146.64	1.65E-02	1.46E-02	2.37E-03	1.46E-03
223	567222.31	4217148.5	1.56E-02	1.38E-02	2.24E-03	1.38E-03
224	567209.41	4217150.37	1.45E-02	1.28E-02	2.07E-03	1.28E-03
225	567196.51	4217152.24	1.31E-02	1.16E-02	1.88E-03	1.16E-03
226	567170.71	4217155.98	1.03E-02	9.13E-03	1.48E-03	9.11E-04
227	567157.81	4217157.84	9.02E-03	7.98E-03	1.29E-03	7.96E-04
228	567144.91	4217159.71	7.88E-03	6.98E-03	1.13E-03	6.96E-04
229	567132.01	4217161.58	6.96E-03	6.16E-03	9.97E-04	6.14E-04
230	567356.31	4217021.8	1.89E-02	1.67E-02	2.70E-03	1.66E-03
231	567360.42	4217035.73	1.84E-02	1.63E-02	2.64E-03	1.63E-03
232	567352.77	4217045.72	1.96E-02	1.73E-02	2.81E-03	1.73E-03
233	567345.13	4217055.71	2.06E-02	1.82E-02	2.95E-03	1.82E-03
234	567337.49	4217065.69	2.14E-02	1.89E-02	3.07E-03	1.89E-03
235	567329.84	4217075.68	2.19E-02	1.94E-02	3.14E-03	1.93E-03
236	567322.2	4217085.67	2.21E-02	1.96E-02	3.18E-03	1.96E-03
237	567314.56	4217095.66	2.21E-02	1.95E-02	3.16E-03	1.95E-03
238	567306.91	4217105.64	2.16E-02	1.91E-02	3.10E-03	1.91E-03
239	567299.27	4217115.63	2.09E-02	1.85E-02	2.99E-03	1.84E-03
240	567291.63	4217125.62	1.98E-02	1.75E-02	2.84E-03	1.75E-03
241	567276.34	4217145.6	1.69E-02	1.50E-02	2.43E-03	1.50E-03
242	567266.3	4217151.49	1.60E-02	1.41E-02	2.29E-03	1.41E-03
243	567253.85	4217153.29	1.55E-02	1.37E-02	2.23E-03	1.37E-03
244	567241.4	4217155.1	1.49E-02	1.32E-02	2.14E-03	1.32E-03
245	567228.96	4217156.9	1.41E-02	1.25E-02	2.02E-03	1.24E-03
246	567216.51	4217158.7	1.31E-02	1.16E-02	1.88E-03	1.16E-03
247	567204.06	4217160.5	1.20E-02	1.06E-02	1.72E-03	1.06E-03
248	567166.72	4217165.91	8.47E-03	7.50E-03	1.21E-03	7.48E-04
249	567154.27	4217167.71	7.47E-03	6.61E-03	1.07E-03	6.60E-04
250	567141.83	4217169.52	6.63E-03	5.86E-03	9.50E-04	5.85E-04
251	567129.38	4217171.32	5.94E-03	5.26E-03	8.52E-04	5.25E-04
252	567365.96	4217024.43	1.74E-02	1.54E-02	2.50E-03	1.54E-03
253	567370.03	4217038.4	1.71E-02	1.51E-02	2.45E-03	1.51E-03
254	567362.33	4217048.47	1.82E-02	1.61E-02	2.61E-03	1.60E-03
255	567354.63	4217058.54	1.91E-02	1.69E-02	2.74E-03	1.69E-03

256	567346.92	4217068.61	1.99E-02	1.76E-02	2.86E-03	1.76E-03
257	567339.22	4217078.67	2.05E-02	1.81E-02	2.93E-03	1.81E-03
258	567331.51	4217088.74	2.07E-02	1.83E-02	2.97E-03	1.83E-03
259	567323.81	4217098.81	2.07E-02	1.83E-02	2.97E-03	1.83E-03
260	567316.1	4217108.88	2.04E-02	1.80E-02	2.92E-03	1.80E-03
261	567308.4	4217118.94	1.97E-02	1.74E-02	2.83E-03	1.74E-03
262	567300.69	4217129.01	1.88E-02	1.66E-02	2.69E-03	1.66E-03
263	567285.29	4217149.15	1.62E-02	1.43E-02	2.32E-03	1.43E-03
264	567271.31	4217160.12	1.45E-02	1.28E-02	2.08E-03	1.28E-03
265	567246.21	4217163.76	1.34E-02	1.19E-02	1.93E-03	1.19E-03
266	567233.67	4217165.57	1.26E-02	1.12E-02	1.81E-03	1.12E-03
267	567221.12	4217167.39	1.17E-02	1.04E-02	1.68E-03	1.04E-03
268	567208.58	4217169.21	1.07E-02	9.48E-03	1.54E-03	9.46E-04
269	567196.03	4217171.03	9.65E-03	8.54E-03	1.38E-03	8.52E-04
270	567170.94	4217174.66	7.62E-03	6.74E-03	1.09E-03	6.73E-04
271	567158.39	4217176.48	6.75E-03	5.97E-03	9.68E-04	5.96E-04
272	567145.84	4217178.29	6.01E-03	5.32E-03	8.62E-04	5.31E-04
273	567133.3	4217180.11	5.41E-03	4.78E-03	7.75E-04	4.77E-04
274	567375.61	4217027.06	1.61E-02	1.43E-02	2.31E-03	1.42E-03
275	567379.65	4217041.07	1.58E-02	1.40E-02	2.27E-03	1.40E-03
276	567371.89	4217051.21	1.69E-02	1.50E-02	2.42E-03	1.49E-03
277	567364.13	4217061.35	1.78E-02	1.58E-02	2.56E-03	1.57E-03
278	567356.37	4217071.5	1.86E-02	1.64E-02	2.66E-03	1.64E-03
279	567348.61	4217081.64	1.91E-02	1.69E-02	2.74E-03	1.69E-03
280	567340.85	4217091.78	1.94E-02	1.72E-02	2.78E-03	1.71E-03
281	567333.09	4217101.92	1.94E-02	1.72E-02	2.79E-03	1.72E-03
282	567325.33	4217112.06	1.92E-02	1.70E-02	2.75E-03	1.69E-03
283	567317.57	4217122.2	1.86E-02	1.65E-02	2.67E-03	1.65E-03
284	567309.81	4217132.34	1.78E-02	1.58E-02	2.56E-03	1.57E-03
285	567294.28	4217152.63	1.55E-02	1.37E-02	2.22E-03	1.37E-03
286	567286.52	4217162.77	1.41E-02	1.25E-02	2.03E-03	1.25E-03
287	567276.32	4217168.75	1.32E-02	1.17E-02	1.90E-03	1.17E-03
288	567251.05	4217172.41	1.22E-02	1.08E-02	1.74E-03	1.07E-03
289	567238.41	4217174.24	1.14E-02	1.01E-02	1.64E-03	1.01E-03
290	567225.77	4217176.08	1.06E-02	9.35E-03	1.51E-03	9.33E-04
291	567213.13	4217177.91	9.64E-03	8.53E-03	1.38E-03	8.51E-04
292	567200.49	4217179.74	8.69E-03	7.69E-03	1.25E-03	7.68E-04
293	567175.22	4217183.4	6.90E-03	6.10E-03	9.89E-04	6.09E-04
294	567162.58	4217185.23	6.13E-03	5.42E-03	8.79E-04	5.41E-04
295	567149.94	4217187.06	5.48E-03	4.85E-03	7.85E-04	4.84E-04
296	567137.3	4217188.89	4.94E-03	4.38E-03	7.09E-04	4.37E-04
297	567124.66	4217190.72	4.53E-03	4.01E-03	6.49E-04	4.00E-04
298	567385.25	4217029.7	1.50E-02	1.32E-02	2.14E-03	1.32E-03
299	567389.28	4217043.74	1.47E-02	1.30E-02	2.11E-03	1.30E-03
300	567381.46	4217053.95	1.57E-02	1.39E-02	2.25E-03	1.39E-03
301	567373.65	4217064.16	1.66E-02	1.47E-02	2.38E-03	1.47E-03
302	567365.84	4217074.37	1.74E-02	1.54E-02	2.49E-03	1.53E-03
303	567358.02	4217084.58	1.79E-02	1.58E-02	2.57E-03	1.58E-03
304	567350.21	4217094.79	1.82E-02	1.61E-02	2.61E-03	1.61E-03
305	567342.4	4217104.99	1.83E-02	1.62E-02	2.62E-03	1.61E-03
306	567334.58	4217115.2	1.81E-02	1.60E-02	2.59E-03	1.60E-03
307	567326.77	4217125.41	1.76E-02	1.56E-02	2.53E-03	1.56E-03

308	567318.96	4217135.62	1.69E-02	1.50E-02	2.43E-03	1.50E-03
309	567303.33	4217156.04	1.49E-02	1.32E-02	2.13E-03	1.31E-03
310	567295.52	4217166.25	1.36E-02	1.21E-02	1.95E-03	1.20E-03
311	567281.34	4217177.38	1.21E-02	1.07E-02	1.73E-03	1.07E-03
312	567268.62	4217179.23	1.16E-02	1.03E-02	1.67E-03	1.03E-03
313	567243.17	4217182.91	1.03E-02	9.15E-03	1.48E-03	9.13E-04
314	567230.45	4217184.76	9.56E-03	8.46E-03	1.37E-03	8.44E-04
315	567217.72	4217186.6	8.72E-03	7.72E-03	1.25E-03	7.70E-04
316	567205	4217188.44	7.87E-03	6.96E-03	1.13E-03	6.95E-04
317	567192.28	4217190.28	7.04E-03	6.23E-03	1.01E-03	6.22E-04
318	567166.83	4217193.97	5.59E-03	4.95E-03	8.02E-04	4.94E-04
319	567154.11	4217195.81	5.02E-03	4.44E-03	7.19E-04	4.43E-04
320	567141.38	4217197.65	4.54E-03	4.02E-03	6.51E-04	4.01E-04
321	567128.66	4217199.5	4.17E-03	3.69E-03	5.98E-04	3.68E-04
322	567394.9	4217032.33	1.39E-02	1.23E-02	2.00E-03	1.23E-03
323	567398.9	4217046.4	1.38E-02	1.22E-02	1.97E-03	1.21E-03
324	567391.04	4217056.67	1.47E-02	1.30E-02	2.10E-03	1.30E-03
325	567383.17	4217066.95	1.55E-02	1.38E-02	2.23E-03	1.37E-03
326	567375.31	4217077.22	1.63E-02	1.44E-02	2.33E-03	1.44E-03
327	567367.45	4217087.49	1.68E-02	1.49E-02	2.41E-03	1.48E-03
328	567359.59	4217097.77	1.71E-02	1.52E-02	2.46E-03	1.51E-03
329	567351.73	4217108.04	1.72E-02	1.52E-02	2.47E-03	1.52E-03
330	567343.87	4217118.31	1.71E-02	1.51E-02	2.45E-03	1.51E-03
331	567336	4217128.59	1.67E-02	1.48E-02	2.40E-03	1.48E-03
332	567328.14	4217138.86	1.61E-02	1.43E-02	2.31E-03	1.42E-03
333	567312.42	4217159.4	1.43E-02	1.26E-02	2.05E-03	1.26E-03
334	567304.56	4217169.68	1.31E-02	1.16E-02	1.88E-03	1.16E-03
335	567296.7	4217179.95	1.19E-02	1.05E-02	1.71E-03	1.05E-03
336	567286.36	4217186.01	1.11E-02	9.81E-03	1.59E-03	9.79E-04
337	567273.56	4217187.87	1.06E-02	9.40E-03	1.52E-03	9.38E-04
338	567247.96	4217191.58	9.41E-03	8.32E-03	1.35E-03	8.31E-04
339	567235.15	4217193.43	8.69E-03	7.69E-03	1.25E-03	7.67E-04
340	567222.35	4217195.29	7.93E-03	7.01E-03	1.14E-03	7.00E-04
341	567209.55	4217197.14	7.16E-03	6.34E-03	1.03E-03	6.32E-04
342	567196.75	4217198.99	6.42E-03	5.68E-03	9.21E-04	5.67E-04
343	567171.14	4217202.7	5.13E-03	4.54E-03	7.36E-04	4.53E-04
344	567158.34	4217204.56	4.61E-03	4.08E-03	6.62E-04	4.07E-04
345	567145.54	4217206.41	4.19E-03	3.71E-03	6.01E-04	3.70E-04
346	567132.73	4217208.26	3.86E-03	3.41E-03	5.53E-04	3.41E-04
347	567119.93	4217210.12	3.60E-03	3.19E-03	5.17E-04	3.18E-04
348	567404.55	4217034.96	1.30E-02	1.15E-02	1.86E-03	1.15E-03
349	567408.52	4217049.06	1.29E-02	1.14E-02	1.84E-03	1.14E-03
350	567400.62	4217059.39	1.37E-02	1.21E-02	1.97E-03	1.21E-03
351	567392.71	4217069.73	1.45E-02	1.28E-02	2.08E-03	1.28E-03
352	567384.8	4217080.06	1.52E-02	1.35E-02	2.18E-03	1.35E-03
353	567376.9	4217090.39	1.58E-02	1.40E-02	2.26E-03	1.39E-03
354	567368.99	4217100.72	1.61E-02	1.43E-02	2.31E-03	1.42E-03
355	567361.08	4217111.05	1.63E-02	1.44E-02	2.33E-03	1.44E-03
356	567353.17	4217121.39	1.62E-02	1.43E-02	2.32E-03	1.43E-03
357	567345.27	4217131.72	1.59E-02	1.40E-02	2.27E-03	1.40E-03
358	567337.36	4217142.05	1.53E-02	1.36E-02	2.20E-03	1.35E-03
359	567321.55	4217162.72	1.37E-02	1.21E-02	1.97E-03	1.21E-03

360	567313.64	4217173.05	1.27E-02	1.12E-02	1.82E-03	1.12E-03
361	567305.73	4217183.38	1.15E-02	1.02E-02	1.66E-03	1.02E-03
362	567291.39	4217194.64	1.02E-02	9.01E-03	1.46E-03	8.99E-04
363	567278.51	4217196.51	9.74E-03	8.62E-03	1.40E-03	8.60E-04
364	567252.76	4217200.24	8.59E-03	7.60E-03	1.23E-03	7.59E-04
365	567239.88	4217202.1	7.93E-03	7.01E-03	1.14E-03	7.00E-04
366	567227.01	4217203.97	7.23E-03	6.40E-03	1.04E-03	6.39E-04
367	567214.13	4217205.83	6.54E-03	5.79E-03	9.38E-04	5.78E-04
368	567201.26	4217207.7	5.88E-03	5.20E-03	8.43E-04	5.19E-04
369	567175.5	4217211.43	4.72E-03	4.18E-03	6.77E-04	4.17E-04
370	567162.63	4217213.29	4.26E-03	3.77E-03	6.11E-04	3.76E-04
371	567149.75	4217215.16	3.88E-03	3.43E-03	5.56E-04	3.43E-04
372	567136.88	4217217.02	3.58E-03	3.17E-03	5.13E-04	3.16E-04
373	567124	4217218.89	3.35E-03	2.96E-03	4.80E-04	2.96E-04
374	567410.59	4217061.61	1.28E-02	1.13E-02	1.84E-03	1.13E-03
375	567402.89	4217071.66	1.35E-02	1.20E-02	1.94E-03	1.20E-03
376	567395.2	4217081.71	1.42E-02	1.26E-02	2.04E-03	1.25E-03
377	567387.51	4217091.76	1.48E-02	1.31E-02	2.12E-03	1.30E-03
378	567379.81	4217101.81	1.51E-02	1.34E-02	2.17E-03	1.34E-03
379	567372.12	4217111.87	1.53E-02	1.36E-02	2.20E-03	1.35E-03
380	567364.43	4217121.92	1.53E-02	1.36E-02	2.20E-03	1.35E-03
381	567356.74	4217131.97	1.52E-02	1.34E-02	2.17E-03	1.34E-03
382	567349.04	4217142.02	1.48E-02	1.31E-02	2.12E-03	1.30E-03
383	567325.97	4217172.18	1.26E-02	1.12E-02	1.81E-03	1.11E-03
384	567318.27	4217182.23	1.17E-02	1.03E-02	1.67E-03	1.03E-03
385	567310.58	4217192.28	1.06E-02	9.41E-03	1.52E-03	9.39E-04
386	567296.62	4217203.24	9.39E-03	8.31E-03	1.35E-03	8.29E-04
387	567284.1	4217205.06	8.97E-03	7.94E-03	1.29E-03	7.92E-04
388	567271.57	4217206.87	8.48E-03	7.51E-03	1.22E-03	7.49E-04
389	567246.52	4217210.5	7.35E-03	6.50E-03	1.05E-03	6.49E-04
390	567233.99	4217212.31	6.74E-03	5.97E-03	9.67E-04	5.95E-04
391	567221.46	4217214.13	6.13E-03	5.43E-03	8.79E-04	5.41E-04
392	567208.93	4217215.94	5.54E-03	4.91E-03	7.95E-04	4.89E-04
393	567196.41	4217217.76	5.00E-03	4.42E-03	7.16E-04	4.41E-04
394	567171.35	4217221.39	4.08E-03	3.61E-03	5.85E-04	3.60E-04
395	567158.83	4217223.2	3.72E-03	3.30E-03	5.34E-04	3.29E-04
396	567146.3	4217225.02	3.44E-03	3.04E-03	4.93E-04	3.03E-04
397	567133.77	4217226.83	3.21E-03	2.84E-03	4.60E-04	2.83E-04
398	567121.24	4217228.64	3.03E-03	2.68E-03	4.35E-04	2.68E-04
399	567404.69	4217084.55	1.33E-02	1.18E-02	1.91E-03	1.18E-03
400	567396.95	4217094.67	1.39E-02	1.23E-02	1.99E-03	1.23E-03
401	567389.21	4217104.78	1.43E-02	1.26E-02	2.05E-03	1.26E-03
402	567381.47	4217114.89	1.45E-02	1.28E-02	2.08E-03	1.28E-03
403	567373.73	4217125	1.45E-02	1.29E-02	2.08E-03	1.28E-03
404	567365.99	4217135.12	1.44E-02	1.27E-02	2.06E-03	1.27E-03
405	567358.25	4217145.23	1.41E-02	1.24E-02	2.02E-03	1.24E-03
406	567327.3	4217185.68	1.13E-02	9.98E-03	1.62E-03	9.96E-04
407	567319.56	4217195.79	1.03E-02	9.14E-03	1.48E-03	9.12E-04
408	567311.82	4217205.9	9.34E-03	8.27E-03	1.34E-03	8.25E-04
409	567301.65	4217211.87	8.67E-03	7.67E-03	1.24E-03	7.65E-04
410	567289.05	4217213.7	8.27E-03	7.31E-03	1.19E-03	7.30E-04
411	567276.44	4217215.52	7.80E-03	6.91E-03	1.12E-03	6.89E-04

412	567251.24	4217219.17	6.75E-03	5.98E-03	9.68E-04	5.96E-04
413	567238.64	4217221	6.19E-03	5.48E-03	8.88E-04	5.47E-04
414	567226.03	4217222.82	5.64E-03	4.99E-03	8.09E-04	4.98E-04
415	567213.43	4217224.65	5.11E-03	4.52E-03	7.32E-04	4.51E-04
416	567200.83	4217226.47	4.61E-03	4.08E-03	6.62E-04	4.07E-04
417	567175.62	4217230.13	3.79E-03	3.35E-03	5.43E-04	3.34E-04
418	567163.02	4217231.95	3.46E-03	3.07E-03	4.97E-04	3.06E-04
419	567150.42	4217233.78	3.20E-03	2.83E-03	4.59E-04	2.83E-04
420	567137.82	4217235.6	3.00E-03	2.65E-03	4.30E-04	2.65E-04
421	567125.21	4217237.43	2.83E-03	2.51E-03	4.06E-04	2.50E-04
422	567437.53	4217056.88	1.07E-02	9.45E-03	1.53E-03	9.43E-04
423	567406.4	4217097.55	1.30E-02	1.15E-02	1.87E-03	1.15E-03
424	567398.62	4217107.72	1.35E-02	1.19E-02	1.93E-03	1.19E-03
425	567390.83	4217117.89	1.37E-02	1.21E-02	1.96E-03	1.21E-03
426	567383.05	4217128.06	1.38E-02	1.22E-02	1.98E-03	1.22E-03
427	567375.27	4217138.23	1.37E-02	1.21E-02	1.96E-03	1.21E-03
428	567367.49	4217148.4	1.34E-02	1.19E-02	1.92E-03	1.18E-03
429	567351.92	4217168.74	1.24E-02	1.10E-02	1.78E-03	1.09E-03
430	567328.58	4217199.25	1.00E-02	8.88E-03	1.44E-03	8.86E-04
431	567320.79	4217209.42	9.12E-03	8.07E-03	1.31E-03	8.05E-04
432	567306.67	4217220.5	8.02E-03	7.10E-03	1.15E-03	7.08E-04
433	567294	4217222.34	7.64E-03	6.76E-03	1.09E-03	6.74E-04
434	567281.33	4217224.17	7.20E-03	6.37E-03	1.03E-03	6.36E-04
435	567268.65	4217226.01	6.72E-03	5.95E-03	9.64E-04	5.94E-04
436	567243.31	4217229.68	5.71E-03	5.05E-03	8.19E-04	5.04E-04
437	567230.64	4217231.52	5.20E-03	4.61E-03	7.46E-04	4.60E-04
438	567217.96	4217233.35	4.72E-03	4.18E-03	6.77E-04	4.17E-04
439	567205.29	4217235.19	4.27E-03	3.78E-03	6.13E-04	3.77E-04
440	567192.62	4217237.02	3.87E-03	3.43E-03	5.55E-04	3.42E-04
441	567167.27	4217240.69	3.23E-03	2.86E-03	4.64E-04	2.85E-04
442	567154.6	4217242.53	2.99E-03	2.65E-03	4.29E-04	2.64E-04
443	567141.92	4217244.36	2.80E-03	2.48E-03	4.02E-04	2.48E-04
444	567129.25	4217246.2	2.66E-03	2.35E-03	3.81E-04	2.35E-04
445	567116.58	4217248.03	2.54E-03	2.25E-03	3.65E-04	2.25E-04
446	567443.14	4217045.49	1.01E-02	8.94E-03	1.45E-03	8.92E-04
447	567447.15	4217059.53	1.01E-02	8.94E-03	1.45E-03	8.93E-04
448	567439.33	4217069.76	1.07E-02	9.48E-03	1.54E-03	9.46E-04
449	567431.51	4217079.98	1.13E-02	1.00E-02	1.62E-03	9.98E-04
450	567408.04	4217110.65	1.27E-02	1.12E-02	1.82E-03	1.12E-03
451	567400.22	4217120.87	1.30E-02	1.15E-02	1.86E-03	1.14E-03
452	567392.39	4217131.09	1.31E-02	1.16E-02	1.87E-03	1.15E-03
453	567384.57	4217141.32	1.30E-02	1.15E-02	1.87E-03	1.15E-03
454	567376.75	4217151.54	1.28E-02	1.13E-02	1.83E-03	1.13E-03
455	567361.1	4217171.98	1.19E-02	1.05E-02	1.71E-03	1.05E-03
456	567353.28	4217182.21	1.13E-02	9.98E-03	1.62E-03	9.96E-04
457	567345.45	4217192.43	1.06E-02	9.34E-03	1.51E-03	9.32E-04
458	567329.81	4217212.88	8.90E-03	7.88E-03	1.28E-03	7.86E-04
459	567321.98	4217223.1	8.03E-03	7.11E-03	1.15E-03	7.10E-04
460	567311.7	4217229.13	7.44E-03	6.58E-03	1.07E-03	6.57E-04
461	567298.96	4217230.98	7.07E-03	6.26E-03	1.01E-03	6.24E-04
462	567286.22	4217232.82	6.66E-03	5.89E-03	9.55E-04	5.88E-04
463	567273.48	4217234.67	6.22E-03	5.50E-03	8.91E-04	5.49E-04

464	567248	4217238.36	5.28E-03	4.67E-03	7.57E-04	4.66E-04
465	567235.26	4217240.2	4.82E-03	4.26E-03	6.91E-04	4.26E-04
466	567222.52	4217242.05	4.38E-03	3.87E-03	6.28E-04	3.87E-04
467	567209.78	4217243.89	3.97E-03	3.51E-03	5.69E-04	3.51E-04
468	567197.04	4217245.74	3.61E-03	3.19E-03	5.17E-04	3.18E-04
469	567171.57	4217249.43	3.02E-03	2.68E-03	4.34E-04	2.67E-04
470	567158.83	4217251.27	2.81E-03	2.48E-03	4.02E-04	2.48E-04
471	567146.09	4217253.12	2.63E-03	2.33E-03	3.77E-04	2.32E-04
472	567133.35	4217254.96	2.50E-03	2.21E-03	3.58E-04	2.20E-04
473	567120.61	4217256.81	2.39E-03	2.12E-03	3.43E-04	2.11E-04
474	567452.79	4217048.12	9.58E-03	8.48E-03	1.37E-03	8.46E-04
475	567456.78	4217062.19	9.58E-03	8.48E-03	1.37E-03	8.46E-04
476	567448.92	4217072.46	1.02E-02	8.98E-03	1.46E-03	8.96E-04
477	567441.06	4217082.74	1.07E-02	9.45E-03	1.53E-03	9.43E-04
478	567433.2	4217093.01	1.12E-02	9.91E-03	1.61E-03	9.89E-04
479	567401.75	4217134.1	1.24E-02	1.10E-02	1.78E-03	1.10E-03
480	567393.89	4217144.38	1.24E-02	1.10E-02	1.78E-03	1.09E-03
481	567386.03	4217154.65	1.22E-02	1.08E-02	1.75E-03	1.08E-03
482	567362.44	4217185.47	1.09E-02	9.62E-03	1.56E-03	9.59E-04
483	567354.58	4217195.74	1.02E-02	9.03E-03	1.46E-03	9.02E-04
484	567346.72	4217206.01	9.48E-03	8.39E-03	1.36E-03	8.37E-04
485	567331	4217226.56	7.88E-03	6.97E-03	1.13E-03	6.96E-04
486	567316.73	4217237.76	6.91E-03	6.12E-03	9.91E-04	6.10E-04
487	567303.93	4217239.62	6.56E-03	5.81E-03	9.41E-04	5.79E-04
488	567291.13	4217241.47	6.17E-03	5.46E-03	8.85E-04	5.45E-04
489	567278.33	4217243.32	5.76E-03	5.10E-03	8.26E-04	5.09E-04
490	567252.72	4217247.03	4.90E-03	4.33E-03	7.02E-04	4.33E-04
491	567239.92	4217248.89	4.47E-03	3.96E-03	6.42E-04	3.95E-04
492	567227.11	4217250.74	4.07E-03	3.60E-03	5.84E-04	3.60E-04
493	567214.31	4217252.59	3.70E-03	3.28E-03	5.31E-04	3.27E-04
494	567201.51	4217254.45	3.37E-03	2.98E-03	4.83E-04	2.97E-04
495	567175.9	4217258.16	2.84E-03	2.51E-03	4.07E-04	2.50E-04
496	567163.1	4217260.01	2.64E-03	2.33E-03	3.78E-04	2.33E-04
497	567150.3	4217261.87	2.48E-03	2.19E-03	3.55E-04	2.19E-04
498	567137.5	4217263.72	2.35E-03	2.08E-03	3.37E-04	2.08E-04
499	567124.69	4217265.57	2.26E-03	2.00E-03	3.23E-04	1.99E-04
500	567462.43	4217050.75	9.09E-03	8.04E-03	1.30E-03	8.02E-04
501	567466.41	4217064.85	9.09E-03	8.04E-03	1.30E-03	8.02E-04
502	567458.51	4217075.17	9.63E-03	8.52E-03	1.38E-03	8.50E-04
503	567450.62	4217085.49	1.01E-02	8.97E-03	1.45E-03	8.95E-04
504	567442.72	4217095.81	1.06E-02	9.40E-03	1.52E-03	9.38E-04
505	567434.82	4217106.13	1.11E-02	9.78E-03	1.59E-03	9.76E-04
506	567403.23	4217147.41	1.18E-02	1.04E-02	1.69E-03	1.04E-03
507	567395.33	4217157.73	1.17E-02	1.03E-02	1.67E-03	1.03E-03
508	567371.64	4217188.69	1.05E-02	9.27E-03	1.50E-03	9.25E-04
509	567363.74	4217199.02	9.88E-03	8.74E-03	1.42E-03	8.72E-04
510	567355.84	4217209.34	9.21E-03	8.15E-03	1.32E-03	8.13E-04
511	567347.94	4217219.66	8.48E-03	7.50E-03	1.22E-03	7.49E-04
512	567321.76	4217246.39	6.43E-03	5.69E-03	9.23E-04	5.68E-04
513	567308.9	4217248.25	6.10E-03	5.40E-03	8.75E-04	5.39E-04
514	567296.04	4217250.12	5.74E-03	5.08E-03	8.23E-04	5.07E-04
515	567283.18	4217251.98	5.35E-03	4.74E-03	7.68E-04	4.73E-04

516	567270.32	4217253.84	4.96E-03	4.38E-03	7.11E-04	4.38E-04
517	567244.59	4217257.57	4.17E-03	3.69E-03	5.97E-04	3.68E-04
518	567231.73	4217259.43	3.80E-03	3.36E-03	5.45E-04	3.35E-04
519	567218.87	4217261.29	3.46E-03	3.06E-03	4.96E-04	3.05E-04
520	567206.01	4217263.15	3.15E-03	2.79E-03	4.52E-04	2.79E-04
521	567193.15	4217265.02	2.89E-03	2.56E-03	4.14E-04	2.55E-04
522	567472.08	4217053.38	8.63E-03	7.64E-03	1.24E-03	7.62E-04
523	567208.74	4216964.73	1.16E-01	1.03E-01	1.67E-02	1.03E-02
524	567217.66	4216969.25	9.71E-02	8.59E-02	1.39E-02	8.58E-03
525	567226.58	4216973.77	8.25E-02	7.30E-02	1.18E-02	7.29E-03
526	567233.83	4216959.46	7.67E-02	6.78E-02	1.10E-02	6.77E-03
527	567235.51	4216978.29	7.11E-02	6.29E-02	1.02E-02	6.28E-03
528	567242.75	4216963.97	6.58E-02	5.82E-02	9.44E-03	5.81E-03
529	567248.05	4216975.65	5.99E-02	5.30E-02	8.60E-03	5.29E-03
530	567255.3	4216961.34	5.39E-02	4.77E-02	7.73E-03	4.76E-03
531	567256.97	4216980.17	5.27E-02	4.67E-02	7.56E-03	4.66E-03
532	567264.22	4216965.85	4.75E-02	4.20E-02	6.81E-03	4.19E-03
533	567265.89	4216984.68	4.68E-02	4.14E-02	6.72E-03	4.14E-03
534	567273.14	4216970.37	4.23E-02	3.74E-02	6.07E-03	3.74E-03
535	567274.81	4216989.2	4.19E-02	3.71E-02	6.01E-03	3.70E-03
536	567282.06	4216974.89	3.80E-02	3.36E-02	5.45E-03	3.35E-03
537	567287.36	4216986.56	3.61E-02	3.20E-02	5.18E-03	3.19E-03
538	567296.28	4216991.08	3.28E-02	2.90E-02	4.70E-03	2.89E-03
539	567344.51	4217006.52	2.05E-02	1.81E-02	2.94E-03	1.81E-03
540	567353.43	4217011.03	1.90E-02	1.68E-02	2.73E-03	1.68E-03
541	567451.29	4217105.55	1.01E-02	8.96E-03	1.45E-03	8.94E-04
542	567458.54	4217091.23	9.73E-03	8.61E-03	1.39E-03	8.59E-04
543	567229.97	4216946.94	8.29E-02	7.34E-02	1.19E-02	7.32E-03
544	567243.15	4216946.08	6.41E-02	5.67E-02	9.19E-03	5.66E-03
545	567251.12	4216952.11	5.67E-02	5.02E-02	8.13E-03	5.00E-03
546	567224.05	4216899.29	6.21E-02	5.49E-02	8.90E-03	5.48E-03
547	567211.98	4216887.14	6.32E-02	5.59E-02	9.06E-03	5.58E-03
548	567188.26	4216870.6	6.52E-02	5.77E-02	9.36E-03	5.76E-03
549	567180.35	4216865.08	6.42E-02	5.68E-02	9.20E-03	5.67E-03
550	567172.45	4216859.57	6.24E-02	5.52E-02	8.95E-03	5.51E-03
551	567164.54	4216854.06	6.00E-02	5.31E-02	8.60E-03	5.29E-03
552	567156.63	4216848.54	5.67E-02	5.02E-02	8.14E-03	5.01E-03
553	567148.73	4216843.03	5.27E-02	4.66E-02	7.56E-03	4.65E-03
554	567140.82	4216837.51	4.80E-02	4.25E-02	6.88E-03	4.24E-03
555	567132.91	4216832	4.28E-02	3.79E-02	6.13E-03	3.78E-03
556	567125	4216826.48	3.74E-02	3.31E-02	5.36E-03	3.30E-03
557	567229.77	4216891.09	4.86E-02	4.30E-02	6.97E-03	4.29E-03
558	567236.18	4216911.95	5.74E-02	5.08E-02	8.23E-03	5.07E-03
559	567201.89	4216867.91	5.02E-02	4.44E-02	7.20E-03	4.43E-03
560	567193.98	4216862.4	4.98E-02	4.41E-02	7.15E-03	4.40E-03
561	567186.07	4216856.88	4.89E-02	4.32E-02	7.01E-03	4.32E-03
562	567178.17	4216851.37	4.74E-02	4.19E-02	6.80E-03	4.18E-03
563	567170.26	4216845.85	4.54E-02	4.02E-02	6.51E-03	4.01E-03
564	567162.35	4216840.34	4.29E-02	3.80E-02	6.15E-03	3.79E-03
565	567154.45	4216834.82	3.99E-02	3.54E-02	5.73E-03	3.53E-03
566	567146.54	4216829.31	3.66E-02	3.24E-02	5.25E-03	3.24E-03
567	567138.63	4216823.8	3.31E-02	2.93E-02	4.75E-03	2.92E-03

568	567114.91	4216807.25	2.31E-02	2.05E-02	3.32E-03	2.04E-03
569	567235.49	4216882.89	3.93E-02	3.47E-02	5.63E-03	3.47E-03
570	567243.8	4216896.15	4.11E-02	3.63E-02	5.89E-03	3.63E-03
571	567246.06	4216910.38	4.65E-02	4.12E-02	6.67E-03	4.11E-03
572	567215.52	4216865.22	3.97E-02	3.52E-02	5.70E-03	3.51E-03
573	567207.61	4216859.71	3.99E-02	3.53E-02	5.72E-03	3.52E-03
574	567199.7	4216854.19	3.95E-02	3.50E-02	5.66E-03	3.49E-03
575	567191.8	4216848.68	3.87E-02	3.42E-02	5.55E-03	3.42E-03
576	567183.89	4216843.16	3.75E-02	3.31E-02	5.37E-03	3.31E-03
577	567175.98	4216837.65	3.59E-02	3.17E-02	5.14E-03	3.17E-03
578	567168.07	4216832.14	3.39E-02	3.00E-02	4.87E-03	3.00E-03
579	567160.17	4216826.62	3.17E-02	2.81E-02	4.55E-03	2.80E-03
580	567152.26	4216821.11	2.93E-02	2.59E-02	4.20E-03	2.59E-03
581	567128.54	4216804.56	2.19E-02	1.94E-02	3.14E-03	1.93E-03
582	567120.63	4216799.05	1.97E-02	1.74E-02	2.82E-03	1.74E-03
583	567241.21	4216874.68	3.26E-02	2.88E-02	4.67E-03	2.87E-03
584	567249.52	4216887.95	3.42E-02	3.02E-02	4.90E-03	3.02E-03
585	567255.93	4216908.82	3.87E-02	3.42E-02	5.55E-03	3.42E-03
586	567252.14	4216924.01	4.75E-02	4.21E-02	6.82E-03	4.20E-03
587	567229.14	4216862.53	3.20E-02	2.83E-02	4.59E-03	2.83E-03
588	567221.24	4216857.02	3.24E-02	2.87E-02	4.65E-03	2.86E-03
589	567213.33	4216851.51	3.26E-02	2.88E-02	4.67E-03	2.88E-03
590	567205.42	4216845.99	3.22E-02	2.85E-02	4.62E-03	2.85E-03
591	567197.52	4216840.48	3.15E-02	2.79E-02	4.52E-03	2.78E-03
592	567189.61	4216834.96	3.05E-02	2.70E-02	4.37E-03	2.69E-03
593	567181.7	4216829.45	2.92E-02	2.59E-02	4.19E-03	2.58E-03
594	567173.79	4216823.93	2.77E-02	2.45E-02	3.98E-03	2.45E-03
595	567165.89	4216818.42	2.60E-02	2.30E-02	3.73E-03	2.30E-03
596	567142.17	4216801.88	2.05E-02	1.82E-02	2.94E-03	1.81E-03
597	567134.26	4216796.36	1.87E-02	1.66E-02	2.68E-03	1.65E-03
598	567126.35	4216790.85	1.70E-02	1.51E-02	2.44E-03	1.50E-03
599	567252.75	4216875.77	2.86E-02	2.53E-02	4.11E-03	2.53E-03
600	567257.73	4216883.73	2.93E-02	2.59E-02	4.20E-03	2.58E-03
601	567262.72	4216891.69	2.97E-02	2.62E-02	4.25E-03	2.62E-03
602	567265.43	4216908.77	3.34E-02	2.96E-02	4.79E-03	2.95E-03
603	567263.15	4216917.88	3.75E-02	3.32E-02	5.38E-03	3.31E-03
604	567260.88	4216927	4.20E-02	3.71E-02	6.02E-03	3.71E-03
605	567242.77	4216859.85	2.65E-02	2.35E-02	3.81E-03	2.34E-03
606	567234.86	4216854.33	2.68E-02	2.38E-02	3.85E-03	2.37E-03
607	567226.96	4216848.82	2.71E-02	2.39E-02	3.88E-03	2.39E-03
608	567219.05	4216843.3	2.71E-02	2.40E-02	3.89E-03	2.40E-03
609	567211.14	4216837.79	2.69E-02	2.38E-02	3.86E-03	2.37E-03
610	567203.24	4216832.27	2.63E-02	2.33E-02	3.77E-03	2.32E-03
611	567195.33	4216826.76	2.54E-02	2.25E-02	3.65E-03	2.25E-03
612	567187.42	4216821.25	2.44E-02	2.16E-02	3.50E-03	2.16E-03
613	567179.51	4216815.73	2.32E-02	2.06E-02	3.33E-03	2.05E-03
614	567171.61	4216810.22	2.19E-02	1.94E-02	3.14E-03	1.94E-03
615	567147.89	4216793.67	1.77E-02	1.56E-02	2.53E-03	1.56E-03
616	567139.98	4216788.16	1.63E-02	1.44E-02	2.33E-03	1.44E-03
617	567132.07	4216782.65	1.49E-02	1.32E-02	2.14E-03	1.32E-03
618	567263.04	4216874.86	2.52E-02	2.23E-02	3.61E-03	2.22E-03
619	567272.74	4216890.35	2.58E-02	2.28E-02	3.70E-03	2.28E-03

620	567275.37	4216906.95	2.87E-02	2.54E-02	4.12E-03	2.53E-03
621	567273.16	4216915.81	3.18E-02	2.81E-02	4.56E-03	2.81E-03
622	567268.73	4216933.53	3.88E-02	3.44E-02	5.57E-03	3.43E-03
623	567248.49	4216851.64	2.28E-02	2.02E-02	3.27E-03	2.01E-03
624	567240.58	4216846.13	2.30E-02	2.03E-02	3.29E-03	2.03E-03
625	567232.68	4216840.61	2.31E-02	2.04E-02	3.31E-03	2.04E-03
626	567224.77	4216835.1	2.31E-02	2.05E-02	3.32E-03	2.04E-03
627	567216.86	4216829.59	2.28E-02	2.02E-02	3.28E-03	2.02E-03
628	567208.96	4216824.07	2.23E-02	1.97E-02	3.20E-03	1.97E-03
629	567201.05	4216818.56	2.16E-02	1.91E-02	3.10E-03	1.91E-03
630	567193.14	4216813.04	2.08E-02	1.84E-02	2.98E-03	1.84E-03
631	567185.23	4216807.53	1.98E-02	1.76E-02	2.85E-03	1.75E-03
632	567161.51	4216790.99	1.66E-02	1.47E-02	2.38E-03	1.46E-03
633	567153.61	4216785.47	1.54E-02	1.36E-02	2.21E-03	1.36E-03
634	567145.7	4216779.96	1.43E-02	1.26E-02	2.05E-03	1.26E-03
635	567137.79	4216774.44	1.32E-02	1.17E-02	1.90E-03	1.17E-03
636	567258.96	4216851.02	2.06E-02	1.82E-02	2.95E-03	1.82E-03
637	567273.21	4216873.77	2.22E-02	1.96E-02	3.18E-03	1.96E-03
638	567282.71	4216888.94	2.27E-02	2.01E-02	3.25E-03	2.00E-03
639	567285.29	4216905.2	2.50E-02	2.21E-02	3.59E-03	2.21E-03
640	567283.12	4216913.88	2.74E-02	2.43E-02	3.93E-03	2.42E-03
641	567278.79	4216931.24	3.29E-02	2.91E-02	4.72E-03	2.91E-03
642	567246.3	4216837.93	2.00E-02	1.77E-02	2.86E-03	1.76E-03
643	567238.4	4216832.41	2.00E-02	1.77E-02	2.87E-03	1.77E-03
644	567230.49	4216826.9	2.00E-02	1.77E-02	2.87E-03	1.77E-03
645	567222.58	4216821.38	1.97E-02	1.74E-02	2.82E-03	1.74E-03
646	567214.68	4216815.87	1.92E-02	1.70E-02	2.76E-03	1.70E-03
647	567206.77	4216810.36	1.87E-02	1.65E-02	2.68E-03	1.65E-03
648	567198.86	4216804.84	1.80E-02	1.59E-02	2.58E-03	1.59E-03
649	567175.14	4216788.3	1.55E-02	1.37E-02	2.22E-03	1.37E-03
650	567167.23	4216782.78	1.45E-02	1.29E-02	2.09E-03	1.28E-03
651	567159.33	4216777.27	1.36E-02	1.20E-02	1.95E-03	1.20E-03
652	567151.42	4216771.76	1.27E-02	1.12E-02	1.82E-03	1.12E-03
653	567143.51	4216766.24	1.18E-02	1.05E-02	1.69E-03	1.04E-03
654	567264.61	4216842.7	1.80E-02	1.60E-02	2.59E-03	1.59E-03
655	567283.31	4216872.56	1.97E-02	1.74E-02	2.83E-03	1.74E-03
656	567292.66	4216887.49	2.01E-02	1.78E-02	2.88E-03	1.77E-03
657	567295.2	4216903.5	2.20E-02	1.95E-02	3.15E-03	1.94E-03
658	567290.93	4216920.59	2.60E-02	2.30E-02	3.73E-03	2.30E-03
659	567252.02	4216829.72	1.75E-02	1.55E-02	2.51E-03	1.55E-03
660	567244.12	4216824.21	1.75E-02	1.55E-02	2.52E-03	1.55E-03
661	567236.21	4216818.7	1.75E-02	1.55E-02	2.50E-03	1.54E-03
662	567228.3	4216813.18	1.72E-02	1.52E-02	2.47E-03	1.52E-03
663	567220.4	4216807.67	1.68E-02	1.49E-02	2.41E-03	1.48E-03
664	567212.49	4216802.15	1.63E-02	1.44E-02	2.34E-03	1.44E-03
665	567188.77	4216785.61	1.44E-02	1.27E-02	2.06E-03	1.27E-03
666	567180.86	4216780.1	1.37E-02	1.21E-02	1.96E-03	1.21E-03
667	567172.95	4216774.58	1.29E-02	1.14E-02	1.85E-03	1.14E-03
668	567165.05	4216769.07	1.21E-02	1.07E-02	1.74E-03	1.07E-03
669	567157.14	4216763.55	1.14E-02	1.01E-02	1.63E-03	1.00E-03
670	567149.23	4216758.04	1.06E-02	9.42E-03	1.53E-03	9.40E-04
671	567270.27	4216834.41	1.59E-02	1.41E-02	2.29E-03	1.41E-03

672	567279.51	4216849.15	1.68E-02	1.49E-02	2.41E-03	1.48E-03
673	567288.74	4216863.9	1.74E-02	1.54E-02	2.50E-03	1.54E-03
674	567297.98	4216878.64	1.78E-02	1.58E-02	2.55E-03	1.57E-03
675	567305.11	4216901.82	1.94E-02	1.72E-02	2.79E-03	1.72E-03
676	567300.89	4216918.7	2.28E-02	2.02E-02	3.27E-03	2.01E-03
677	567257.74	4216821.52	1.55E-02	1.37E-02	2.22E-03	1.37E-03
678	567249.84	4216816.01	1.55E-02	1.37E-02	2.22E-03	1.37E-03
679	567241.93	4216810.49	1.54E-02	1.36E-02	2.21E-03	1.36E-03
680	567234.02	4216804.98	1.52E-02	1.34E-02	2.17E-03	1.34E-03
681	567226.12	4216799.46	1.48E-02	1.31E-02	2.13E-03	1.31E-03
682	567202.39	4216782.92	1.34E-02	1.18E-02	1.92E-03	1.18E-03
683	567194.49	4216777.41	1.28E-02	1.13E-02	1.83E-03	1.13E-03
684	567186.58	4216771.89	1.22E-02	1.08E-02	1.75E-03	1.08E-03
685	567178.67	4216766.38	1.15E-02	1.02E-02	1.66E-03	1.02E-03
686	567170.77	4216760.86	1.09E-02	9.65E-03	1.56E-03	9.63E-04
687	567162.86	4216755.35	1.03E-02	9.09E-03	1.47E-03	9.07E-04
688	567154.95	4216749.84	9.67E-03	8.55E-03	1.39E-03	8.54E-04
689	567276.45	4216826.94	1.42E-02	1.26E-02	2.04E-03	1.26E-03
690	567281.53	4216835.05	1.47E-02	1.30E-02	2.11E-03	1.30E-03
691	567286.61	4216843.16	1.51E-02	1.33E-02	2.16E-03	1.33E-03
692	567296.77	4216859.38	1.57E-02	1.39E-02	2.24E-03	1.38E-03
693	567301.85	4216867.49	1.59E-02	1.40E-02	2.27E-03	1.40E-03
694	567306.93	4216875.6	1.60E-02	1.42E-02	2.29E-03	1.41E-03
695	567312.01	4216883.71	1.61E-02	1.42E-02	2.31E-03	1.42E-03
696	567314.77	4216901.1	1.75E-02	1.55E-02	2.51E-03	1.54E-03
697	567312.45	4216910.38	1.90E-02	1.68E-02	2.72E-03	1.68E-03
698	567310.13	4216919.66	2.06E-02	1.82E-02	2.96E-03	1.82E-03
699	567303.18	4216947.52	2.62E-02	2.32E-02	3.76E-03	2.32E-03
700	567271.37	4216818.83	1.38E-02	1.22E-02	1.97E-03	1.22E-03
701	567263.46	4216813.32	1.38E-02	1.22E-02	1.98E-03	1.22E-03
702	567255.56	4216807.81	1.38E-02	1.22E-02	1.97E-03	1.22E-03
703	567247.65	4216802.29	1.37E-02	1.21E-02	1.96E-03	1.21E-03
704	567239.74	4216796.78	1.35E-02	1.19E-02	1.94E-03	1.19E-03
705	567216.02	4216780.23	1.24E-02	1.10E-02	1.78E-03	1.10E-03
706	567208.11	4216774.72	1.20E-02	1.06E-02	1.72E-03	1.06E-03
707	567200.21	4216769.21	1.15E-02	1.01E-02	1.64E-03	1.01E-03
708	567192.3	4216763.69	1.09E-02	9.69E-03	1.57E-03	9.67E-04
709	567184.39	4216758.18	1.04E-02	9.21E-03	1.49E-03	9.19E-04
710	567176.49	4216752.66	9.87E-03	8.73E-03	1.42E-03	8.72E-04
711	567168.58	4216747.15	9.34E-03	8.26E-03	1.34E-03	8.25E-04
712	567160.67	4216741.63	8.83E-03	7.81E-03	1.27E-03	7.79E-04
713	567282.08	4216818.59	1.28E-02	1.13E-02	1.83E-03	1.13E-03
714	567287.07	4216826.55	1.32E-02	1.17E-02	1.89E-03	1.16E-03
715	567292.05	4216834.52	1.35E-02	1.20E-02	1.94E-03	1.19E-03
716	567297.04	4216842.48	1.38E-02	1.22E-02	1.98E-03	1.22E-03
717	567307.02	4216858.4	1.42E-02	1.26E-02	2.04E-03	1.26E-03
718	567312	4216866.36	1.44E-02	1.27E-02	2.06E-03	1.27E-03
719	567316.99	4216874.32	1.45E-02	1.28E-02	2.08E-03	1.28E-03
720	567321.98	4216882.29	1.45E-02	1.29E-02	2.08E-03	1.28E-03
721	567324.69	4216899.36	1.57E-02	1.39E-02	2.25E-03	1.38E-03
722	567322.41	4216908.48	1.69E-02	1.50E-02	2.43E-03	1.49E-03
723	567320.14	4216917.59	1.83E-02	1.62E-02	2.62E-03	1.61E-03

724	567313.31	4216944.93	2.30E-02	2.03E-02	3.30E-03	2.03E-03
725	567311.03	4216954.05	2.47E-02	2.18E-02	3.54E-03	2.18E-03
726	567277.09	4216810.63	1.24E-02	1.09E-02	1.77E-03	1.09E-03
727	567269.19	4216805.12	1.24E-02	1.10E-02	1.77E-03	1.09E-03
728	567261.28	4216799.6	1.23E-02	1.09E-02	1.77E-03	1.09E-03
729	567253.37	4216794.09	1.22E-02	1.08E-02	1.75E-03	1.08E-03
730	567245.46	4216788.57	1.21E-02	1.07E-02	1.73E-03	1.07E-03
731	567221.74	4216772.03	1.12E-02	9.89E-03	1.60E-03	9.87E-04
732	567213.84	4216766.52	1.08E-02	9.54E-03	1.55E-03	9.52E-04
733	567205.93	4216761	1.04E-02	9.16E-03	1.49E-03	9.15E-04
734	567198.02	4216755.49	9.91E-03	8.77E-03	1.42E-03	8.75E-04
735	567190.11	4216749.97	9.45E-03	8.37E-03	1.36E-03	8.35E-04
736	567182.21	4216744.46	8.99E-03	7.96E-03	1.29E-03	7.94E-04
737	567174.3	4216738.95	8.54E-03	7.55E-03	1.22E-03	7.54E-04
738	567166.39	4216733.43	8.10E-03	7.17E-03	1.16E-03	7.15E-04
739	567287.72	4216810.27	1.15E-02	1.02E-02	1.66E-03	1.02E-03
740	567297.55	4216825.95	1.22E-02	1.08E-02	1.75E-03	1.08E-03
741	567302.46	4216833.79	1.25E-02	1.10E-02	1.79E-03	1.10E-03
742	567317.2	4216857.32	1.30E-02	1.15E-02	1.86E-03	1.15E-03
743	567327.02	4216873	1.32E-02	1.16E-02	1.89E-03	1.16E-03
744	567331.93	4216880.84	1.32E-02	1.17E-02	1.89E-03	1.17E-03
745	567334.6	4216897.66	1.41E-02	1.25E-02	2.03E-03	1.25E-03
746	567332.36	4216906.63	1.52E-02	1.34E-02	2.18E-03	1.34E-03
747	567330.12	4216915.61	1.63E-02	1.44E-02	2.34E-03	1.44E-03
748	567323.39	4216942.54	2.03E-02	1.80E-02	2.91E-03	1.79E-03
749	567321.15	4216951.51	2.17E-02	1.92E-02	3.11E-03	1.92E-03
750	567282.81	4216802.43	1.12E-02	9.89E-03	1.60E-03	9.87E-04
751	567274.91	4216796.91	1.12E-02	9.89E-03	1.60E-03	9.87E-04
752	567267	4216791.4	1.11E-02	9.84E-03	1.59E-03	9.82E-04
753	567259.09	4216785.89	1.10E-02	9.75E-03	1.58E-03	9.73E-04
754	567235.37	4216769.34	1.04E-02	9.23E-03	1.50E-03	9.21E-04
755	567227.46	4216763.83	1.01E-02	8.95E-03	1.45E-03	8.94E-04
756	567219.56	4216758.31	9.78E-03	8.65E-03	1.40E-03	8.63E-04
757	567211.65	4216752.8	9.41E-03	8.33E-03	1.35E-03	8.31E-04
758	567203.74	4216747.29	9.03E-03	7.99E-03	1.29E-03	7.97E-04
759	567195.83	4216741.77	8.63E-03	7.64E-03	1.24E-03	7.62E-04
760	567187.93	4216736.26	8.23E-03	7.29E-03	1.18E-03	7.27E-04
761	567180.02	4216730.74	7.84E-03	6.94E-03	1.12E-03	6.92E-04
762	567172.11	4216725.23	7.46E-03	6.60E-03	1.07E-03	6.59E-04
763	567293.38	4216801.97	1.05E-02	9.28E-03	1.50E-03	9.26E-04
764	567303.08	4216817.45	1.11E-02	9.79E-03	1.59E-03	9.77E-04
765	567312.78	4216832.93	1.15E-02	1.02E-02	1.65E-03	1.02E-03
766	567332.17	4216863.89	1.20E-02	1.06E-02	1.72E-03	1.06E-03
767	567341.87	4216879.37	1.20E-02	1.07E-02	1.73E-03	1.06E-03
768	567344.51	4216895.97	1.28E-02	1.14E-02	1.84E-03	1.13E-03
769	567342.29	4216904.83	1.37E-02	1.21E-02	1.97E-03	1.21E-03
770	567333.44	4216940.28	1.80E-02	1.60E-02	2.59E-03	1.59E-03
771	567329.01	4216958	2.05E-02	1.82E-02	2.94E-03	1.81E-03
772	567288.53	4216794.23	1.02E-02	9.00E-03	1.46E-03	8.98E-04
773	567280.63	4216788.71	1.01E-02	8.98E-03	1.46E-03	8.96E-04
774	567272.72	4216783.2	1.01E-02	8.93E-03	1.45E-03	8.91E-04
775	567249	4216766.65	9.72E-03	8.60E-03	1.39E-03	8.58E-04

776	567241.09	4216761.14	9.48E-03	8.39E-03	1.36E-03	8.37E-04
777	567233.18	4216755.63	9.21E-03	8.15E-03	1.32E-03	8.13E-04
778	567225.28	4216750.11	8.91E-03	7.89E-03	1.28E-03	7.87E-04
779	567217.37	4216744.6	8.60E-03	7.61E-03	1.23E-03	7.59E-04
780	567209.46	4216739.08	8.26E-03	7.31E-03	1.18E-03	7.30E-04
781	567201.55	4216733.57	7.92E-03	7.01E-03	1.14E-03	6.99E-04
782	567193.65	4216728.05	7.58E-03	6.70E-03	1.09E-03	6.69E-04
783	567185.74	4216722.54	7.24E-03	6.41E-03	1.04E-03	6.39E-04
784	567177.83	4216717.03	6.91E-03	6.11E-03	9.91E-04	6.10E-04
785	567299.05	4216793.68	9.57E-03	8.47E-03	1.37E-03	8.45E-04
786	567303.84	4216801.33	9.83E-03	8.70E-03	1.41E-03	8.68E-04
787	567313.44	4216816.65	1.03E-02	9.12E-03	1.48E-03	9.10E-04
788	567318.23	4216824.3	1.05E-02	9.29E-03	1.50E-03	9.27E-04
789	567342.21	4216862.58	1.10E-02	9.75E-03	1.58E-03	9.73E-04
790	567351.8	4216877.89	1.10E-02	9.78E-03	1.58E-03	9.76E-04
791	567354.41	4216894.31	1.17E-02	1.04E-02	1.68E-03	1.03E-03
792	567350.03	4216911.84	1.33E-02	1.17E-02	1.90E-03	1.17E-03
793	567341.27	4216946.89	1.72E-02	1.52E-02	2.47E-03	1.52E-03
794	567336.89	4216964.42	1.94E-02	1.72E-02	2.79E-03	1.72E-03
795	567286.35	4216780.51	9.26E-03	8.20E-03	1.33E-03	8.18E-04
796	567262.62	4216763.97	8.99E-03	7.96E-03	1.29E-03	7.94E-04
797	567254.72	4216758.45	8.86E-03	7.84E-03	1.27E-03	7.82E-04
798	567246.81	4216752.94	8.67E-03	7.67E-03	1.24E-03	7.66E-04
799	567238.9	4216747.42	8.43E-03	7.46E-03	1.21E-03	7.44E-04
800	567231	4216741.91	8.17E-03	7.23E-03	1.17E-03	7.21E-04
801	567223.09	4216736.4	7.89E-03	6.98E-03	1.13E-03	6.97E-04
802	567215.18	4216730.88	7.60E-03	6.72E-03	1.09E-03	6.71E-04
803	567207.27	4216725.37	7.30E-03	6.46E-03	1.05E-03	6.45E-04
804	567199.37	4216719.85	7.01E-03	6.20E-03	1.00E-03	6.19E-04
805	567191.46	4216714.34	6.71E-03	5.94E-03	9.62E-04	5.93E-04
806	567305.09	4216785.99	8.78E-03	7.77E-03	1.26E-03	7.75E-04
807	567310.2	4216794.15	9.03E-03	7.99E-03	1.30E-03	7.98E-04
808	567315.32	4216802.32	9.27E-03	8.20E-03	1.33E-03	8.18E-04
809	567320.43	4216810.48	9.49E-03	8.40E-03	1.36E-03	8.38E-04
810	567325.55	4216818.65	9.68E-03	8.56E-03	1.39E-03	8.55E-04
811	567330.66	4216826.82	9.83E-03	8.70E-03	1.41E-03	8.68E-04
812	567335.78	4216834.98	9.95E-03	8.81E-03	1.43E-03	8.79E-04
813	567346.01	4216851.31	1.01E-02	8.95E-03	1.45E-03	8.93E-04
814	567351.13	4216859.48	1.02E-02	8.98E-03	1.46E-03	8.96E-04
815	567361.8	4216902.67	1.15E-02	1.02E-02	1.65E-03	1.01E-03
816	567354.8	4216930.72	1.40E-02	1.23E-02	2.00E-03	1.23E-03
817	567352.46	4216940.07	1.49E-02	1.32E-02	2.14E-03	1.32E-03
818	567350.13	4216949.41	1.59E-02	1.41E-02	2.29E-03	1.41E-03
819	567347.79	4216958.76	1.70E-02	1.51E-02	2.44E-03	1.50E-03
820	567345.46	4216968.11	1.81E-02	1.60E-02	2.60E-03	1.60E-03
821	567299.97	4216777.82	8.52E-03	7.54E-03	1.22E-03	7.52E-04
822	567276.25	4216761.28	8.35E-03	7.39E-03	1.20E-03	7.37E-04
823	567268.34	4216755.76	8.24E-03	7.29E-03	1.18E-03	7.27E-04
824	567260.44	4216750.25	8.12E-03	7.18E-03	1.16E-03	7.17E-04
825	567252.53	4216744.74	7.96E-03	7.05E-03	1.14E-03	7.03E-04
826	567244.62	4216739.22	7.75E-03	6.86E-03	1.11E-03	6.84E-04
827	567236.72	4216733.71	7.52E-03	6.65E-03	1.08E-03	6.64E-04

828	567228.81	4216728.19	7.27E-03	6.43E-03	1.04E-03	6.42E-04
829	567220.9	4216722.68	7.02E-03	6.21E-03	1.01E-03	6.20E-04
830	567212.99	4216717.16	6.76E-03	5.98E-03	9.69E-04	5.97E-04
831	567205.09	4216711.65	6.50E-03	5.75E-03	9.32E-04	5.74E-04
832	567310.74	4216777.68	8.08E-03	7.15E-03	1.16E-03	7.14E-04
833	567315.79	4216785.73	8.30E-03	7.34E-03	1.19E-03	7.33E-04
834	567320.83	4216793.79	8.51E-03	7.53E-03	1.22E-03	7.51E-04
835	567325.88	4216801.84	8.71E-03	7.71E-03	1.25E-03	7.69E-04
836	567330.93	4216809.9	8.89E-03	7.87E-03	1.28E-03	7.85E-04
837	567335.97	4216817.96	9.04E-03	8.00E-03	1.30E-03	7.99E-04
838	567371.3	4216874.35	9.39E-03	8.31E-03	1.35E-03	8.30E-04
839	567364.83	4216928.52	1.26E-02	1.12E-02	1.81E-03	1.12E-03
840	567362.52	4216937.75	1.35E-02	1.19E-02	1.93E-03	1.19E-03
841	567360.22	4216946.97	1.44E-02	1.27E-02	2.06E-03	1.27E-03
842	567357.92	4216956.19	1.53E-02	1.35E-02	2.19E-03	1.35E-03
843	567355.61	4216965.42	1.62E-02	1.44E-02	2.33E-03	1.43E-03
844	567289.88	4216758.59	7.77E-03	6.87E-03	1.11E-03	6.86E-04
845	567281.97	4216753.08	7.69E-03	6.80E-03	1.10E-03	6.79E-04
846	567274.06	4216747.56	7.59E-03	6.72E-03	1.09E-03	6.70E-04
847	567266.16	4216742.05	7.48E-03	6.62E-03	1.07E-03	6.60E-04
848	567258.25	4216736.53	7.34E-03	6.50E-03	1.05E-03	6.48E-04
849	567250.34	4216731.02	7.15E-03	6.33E-03	1.03E-03	6.32E-04
850	567242.44	4216725.5	6.95E-03	6.15E-03	9.96E-04	6.14E-04
851	567234.53	4216719.99	6.73E-03	5.95E-03	9.65E-04	5.94E-04
852	567226.62	4216714.48	6.51E-03	5.76E-03	9.33E-04	5.74E-04
853	567218.71	4216708.96	6.28E-03	5.56E-03	9.00E-04	5.54E-04
854	567316.4	4216769.38	7.48E-03	6.62E-03	1.07E-03	6.60E-04
855	567321.39	4216777.34	7.67E-03	6.79E-03	1.10E-03	6.77E-04
856	567326.38	4216785.3	7.85E-03	6.95E-03	1.13E-03	6.93E-04
857	567366.27	4216848.99	8.69E-03	7.69E-03	1.25E-03	7.67E-04
858	567371.26	4216856.96	8.70E-03	7.70E-03	1.25E-03	7.68E-04
859	567376.25	4216864.92	8.70E-03	7.69E-03	1.25E-03	7.68E-04
860	567381.24	4216872.88	8.69E-03	7.69E-03	1.25E-03	7.68E-04
861	567383.95	4216889.95	9.14E-03	8.09E-03	1.31E-03	8.07E-04
862	567381.67	4216899.07	9.65E-03	8.54E-03	1.38E-03	8.52E-04
863	567374.84	4216926.41	1.15E-02	1.02E-02	1.65E-03	1.02E-03
864	567372.56	4216935.53	1.23E-02	1.08E-02	1.76E-03	1.08E-03
865	567370.29	4216944.64	1.30E-02	1.15E-02	1.86E-03	1.15E-03
866	567368.01	4216953.76	1.38E-02	1.22E-02	1.98E-03	1.22E-03
867	567365.73	4216962.87	1.46E-02	1.29E-02	2.10E-03	1.29E-03
868	567363.46	4216971.99	1.55E-02	1.37E-02	2.22E-03	1.37E-03
869	567358.9	4216990.22	1.72E-02	1.52E-02	2.47E-03	1.52E-03
870	567356.63	4216999.33	1.80E-02	1.60E-02	2.59E-03	1.59E-03
871	567295.6	4216750.39	7.18E-03	6.35E-03	1.03E-03	6.34E-04
872	567287.69	4216744.87	7.10E-03	6.29E-03	1.02E-03	6.27E-04
873	567279.78	4216739.36	7.01E-03	6.21E-03	1.01E-03	6.19E-04
874	567271.88	4216733.85	6.91E-03	6.12E-03	9.92E-04	6.11E-04
875	567263.97	4216728.33	6.80E-03	6.01E-03	9.74E-04	6.00E-04
876	567256.06	4216722.82	6.63E-03	5.87E-03	9.51E-04	5.85E-04
877	567248.16	4216717.3	6.45E-03	5.70E-03	9.24E-04	5.69E-04
878	567240.25	4216711.79	6.25E-03	5.53E-03	8.96E-04	5.52E-04
879	567232.34	4216706.27	6.05E-03	5.35E-03	8.67E-04	5.34E-04

880	567351.68	4216808.36	7.85E-03	6.94E-03	1.12E-03	6.93E-04
881	567361.55	4216824.12	7.99E-03	7.07E-03	1.15E-03	7.06E-04
882	567376.36	4216847.76	8.06E-03	7.14E-03	1.16E-03	7.12E-04
883	567386.23	4216863.52	8.07E-03	7.14E-03	1.16E-03	7.13E-04
884	567391.17	4216871.39	8.07E-03	7.14E-03	1.16E-03	7.12E-04
885	567393.85	4216888.29	8.47E-03	7.50E-03	1.21E-03	7.48E-04
886	567391.59	4216897.31	8.92E-03	7.89E-03	1.28E-03	7.87E-04
887	567384.84	4216924.37	1.05E-02	9.33E-03	1.51E-03	9.31E-04
888	567382.58	4216933.39	1.12E-02	9.89E-03	1.60E-03	9.87E-04
889	567380.33	4216942.41	1.18E-02	1.05E-02	1.70E-03	1.04E-03
890	567378.08	4216951.43	1.25E-02	1.11E-02	1.79E-03	1.10E-03
891	567375.82	4216960.45	1.32E-02	1.17E-02	1.90E-03	1.17E-03
892	567373.57	4216969.47	1.40E-02	1.24E-02	2.00E-03	1.23E-03
893	567371.32	4216978.49	1.48E-02	1.31E-02	2.12E-03	1.30E-03
894	567366.81	4216996.53	1.63E-02	1.44E-02	2.34E-03	1.44E-03
895	567364.56	4217005.55	1.70E-02	1.51E-02	2.44E-03	1.50E-03
896	567362.31	4217014.57	1.77E-02	1.57E-02	2.54E-03	1.56E-03
897	567309.23	4216747.7	6.72E-03	5.95E-03	9.64E-04	5.93E-04
898	567301.32	4216742.19	6.66E-03	5.90E-03	9.55E-04	5.88E-04
899	567293.41	4216736.67	6.58E-03	5.83E-03	9.44E-04	5.81E-04
900	567285.51	4216731.16	6.50E-03	5.75E-03	9.32E-04	5.74E-04
901	567277.6	4216725.64	6.41E-03	5.67E-03	9.19E-04	5.66E-04
902	567269.69	4216720.13	6.31E-03	5.59E-03	9.05E-04	5.57E-04
903	567261.78	4216714.61	6.16E-03	5.45E-03	8.84E-04	5.44E-04
904	567253.88	4216709.1	6.00E-03	5.31E-03	8.60E-04	5.30E-04
905	567245.97	4216703.59	5.83E-03	5.16E-03	8.36E-04	5.15E-04
906	567238.06	4216698.07	5.65E-03	5.00E-03	8.10E-04	4.99E-04
907	567347.3	4216784.04	7.07E-03	6.25E-03	1.01E-03	6.24E-04
908	567352.19	4216791.84	7.19E-03	6.36E-03	1.03E-03	6.35E-04
909	567361.97	4216807.46	7.37E-03	6.52E-03	1.06E-03	6.51E-04
910	567366.86	4216815.26	7.45E-03	6.59E-03	1.07E-03	6.58E-04
911	567386.42	4216846.48	7.51E-03	6.64E-03	1.08E-03	6.63E-04
912	567391.31	4216854.29	7.52E-03	6.65E-03	1.08E-03	6.64E-04
913	567401.09	4216869.9	7.51E-03	6.65E-03	1.08E-03	6.63E-04
914	567403.74	4216886.64	7.87E-03	6.97E-03	1.13E-03	6.95E-04
915	567401.51	4216895.58	8.27E-03	7.32E-03	1.19E-03	7.30E-04
916	567394.82	4216922.38	9.70E-03	8.58E-03	1.39E-03	8.56E-04
917	567392.58	4216931.32	1.02E-02	9.07E-03	1.47E-03	9.05E-04
918	567390.35	4216940.26	1.08E-02	9.58E-03	1.55E-03	9.56E-04
919	567385.89	4216958.13	1.20E-02	1.06E-02	1.72E-03	1.06E-03
920	567383.66	4216967.06	1.26E-02	1.12E-02	1.81E-03	1.12E-03
921	567381.42	4216976	1.33E-02	1.18E-02	1.91E-03	1.18E-03
922	567374.73	4217002.81	1.55E-02	1.37E-02	2.22E-03	1.37E-03
923	567314.95	4216739.5	6.26E-03	5.54E-03	8.98E-04	5.53E-04
924	567307.04	4216733.98	6.21E-03	5.49E-03	8.90E-04	5.48E-04
925	567299.13	4216728.47	6.13E-03	5.42E-03	8.79E-04	5.41E-04
926	567291.23	4216722.95	6.05E-03	5.35E-03	8.68E-04	5.34E-04
927	567283.32	4216717.44	5.98E-03	5.29E-03	8.57E-04	5.28E-04
928	567275.41	4216711.93	5.88E-03	5.21E-03	8.43E-04	5.19E-04
929	567267.5	4216706.41	5.75E-03	5.09E-03	8.24E-04	5.07E-04
930	567259.6	4216700.9	5.60E-03	4.96E-03	8.03E-04	4.95E-04
931	567251.69	4216695.38	5.45E-03	4.82E-03	7.81E-04	4.81E-04

932	567220.06	4216673.33	4.80E-03	4.24E-03	6.88E-04	4.23E-04
933	567212.15	4216667.81	4.64E-03	4.10E-03	6.65E-04	4.09E-04
934	567347.97	4216767.77	6.47E-03	5.72E-03	9.27E-04	5.71E-04
935	567357.67	4216783.25	6.70E-03	5.93E-03	9.61E-04	5.92E-04
936	567367.36	4216798.73	6.88E-03	6.08E-03	9.86E-04	6.07E-04
937	567372.21	4216806.47	6.96E-03	6.16E-03	9.97E-04	6.14E-04
938	567381.91	4216821.95	7.00E-03	6.20E-03	1.00E-03	6.18E-04
939	567391.61	4216837.43	7.02E-03	6.21E-03	1.01E-03	6.20E-04
940	567401.31	4216852.92	7.02E-03	6.21E-03	1.01E-03	6.20E-04
941	567411	4216868.4	7.01E-03	6.20E-03	1.01E-03	6.19E-04
942	567413.64	4216885	7.33E-03	6.49E-03	1.05E-03	6.47E-04
943	567411.43	4216893.86	7.69E-03	6.81E-03	1.10E-03	6.79E-04
944	567404.79	4216920.44	8.95E-03	7.92E-03	1.28E-03	7.90E-04
945	567402.57	4216929.31	9.43E-03	8.35E-03	1.35E-03	8.33E-04
946	567398.15	4216947.03	1.05E-02	9.25E-03	1.50E-03	9.23E-04
947	567395.93	4216955.89	1.10E-02	9.73E-03	1.58E-03	9.71E-04
948	567393.72	4216964.75	1.15E-02	1.02E-02	1.66E-03	1.02E-03
949	567389.29	4216982.47	1.28E-02	1.13E-02	1.83E-03	1.13E-03
950	567382.65	4217009.06	1.47E-02	1.30E-02	2.10E-03	1.29E-03
951	567380.44	4217017.92	1.52E-02	1.35E-02	2.18E-03	1.35E-03
952	567304.85	4216720.27	5.74E-03	5.08E-03	8.23E-04	5.07E-04
953	567296.95	4216714.75	5.67E-03	5.01E-03	8.12E-04	5.00E-04
954	567289.04	4216709.24	5.59E-03	4.95E-03	8.02E-04	4.94E-04
955	567281.13	4216703.72	5.50E-03	4.86E-03	7.88E-04	4.85E-04
956	567273.22	4216698.21	5.37E-03	4.76E-03	7.71E-04	4.75E-04
957	567265.32	4216692.7	5.24E-03	4.64E-03	7.52E-04	4.63E-04
958	567233.69	4216670.64	4.66E-03	4.12E-03	6.68E-04	4.11E-04
959	567225.78	4216665.12	4.52E-03	4.00E-03	6.47E-04	3.99E-04
960	567217.87	4216659.61	4.37E-03	3.87E-03	6.27E-04	3.86E-04
961	567339.37	4216736.72	5.66E-03	5.01E-03	8.12E-04	5.00E-04
962	567344.45	4216744.83	5.81E-03	5.14E-03	8.32E-04	5.13E-04
963	567354.61	4216761.04	6.07E-03	5.37E-03	8.71E-04	5.36E-04
964	567359.69	4216769.15	6.19E-03	5.48E-03	8.88E-04	5.47E-04
965	567364.77	4216777.26	6.30E-03	5.57E-03	9.03E-04	5.56E-04
966	567369.85	4216785.37	6.39E-03	5.65E-03	9.16E-04	5.64E-04
967	567374.93	4216793.48	6.49E-03	5.74E-03	9.30E-04	5.73E-04
968	567380.01	4216801.59	6.53E-03	5.78E-03	9.37E-04	5.77E-04
969	567385.09	4216809.7	6.56E-03	5.80E-03	9.40E-04	5.79E-04
970	567390.17	4216817.81	6.57E-03	5.81E-03	9.42E-04	5.80E-04
971	567400.33	4216834.02	6.59E-03	5.83E-03	9.44E-04	5.82E-04
972	567405.41	4216842.13	6.58E-03	5.82E-03	9.44E-04	5.81E-04
973	567410.49	4216850.24	6.57E-03	5.82E-03	9.43E-04	5.80E-04
974	567415.57	4216858.35	6.57E-03	5.82E-03	9.42E-04	5.80E-04
975	567420.65	4216866.46	6.57E-03	5.82E-03	9.42E-04	5.80E-04
976	567423.41	4216883.85	6.88E-03	6.09E-03	9.86E-04	6.07E-04
977	567421.09	4216893.14	7.22E-03	6.39E-03	1.03E-03	6.37E-04
978	567414.14	4216920.99	8.41E-03	7.44E-03	1.21E-03	7.42E-04
979	567411.82	4216930.27	8.87E-03	7.85E-03	1.27E-03	7.83E-04
980	567409.5	4216939.55	9.34E-03	8.27E-03	1.34E-03	8.25E-04
981	567407.18	4216948.84	9.83E-03	8.70E-03	1.41E-03	8.68E-04
982	567404.86	4216958.12	1.03E-02	9.15E-03	1.48E-03	9.13E-04
983	567402.54	4216967.4	1.09E-02	9.62E-03	1.56E-03	9.60E-04

984	567400.22	4216976.69	1.15E-02	1.01E-02	1.64E-03	1.01E-03
985	567393.27	4217004.54	1.33E-02	1.17E-02	1.90E-03	1.17E-03
986	567390.95	4217013.82	1.38E-02	1.23E-02	1.99E-03	1.22E-03
987	567334.29	4216728.61	5.51E-03	4.88E-03	7.90E-04	4.87E-04
988	567302.67	4216706.55	5.32E-03	4.71E-03	7.63E-04	4.70E-04
989	567294.76	4216701.04	5.25E-03	4.65E-03	7.53E-04	4.64E-04
990	567286.85	4216695.52	5.15E-03	4.56E-03	7.39E-04	4.55E-04
991	567278.94	4216690.01	5.04E-03	4.46E-03	7.23E-04	4.45E-04
992	567247.32	4216667.95	4.53E-03	4.01E-03	6.49E-04	4.00E-04
993	567239.41	4216662.44	4.39E-03	3.89E-03	6.30E-04	3.88E-04
994	567231.5	4216656.92	4.26E-03	3.77E-03	6.11E-04	3.76E-04
995	567223.59	4216651.41	4.13E-03	3.66E-03	5.93E-04	3.65E-04
996	567345.05	4216728.44	5.31E-03	4.70E-03	7.61E-04	4.69E-04
997	567350.08	4216736.47	5.44E-03	4.81E-03	7.80E-04	4.80E-04
998	567365.17	4216760.56	5.80E-03	5.13E-03	8.31E-04	5.12E-04
999	567370.2	4216768.59	5.90E-03	5.22E-03	8.46E-04	5.21E-04
1000	567375.23	4216776.62	5.98E-03	5.29E-03	8.58E-04	5.28E-04
1001	567380.26	4216784.66	6.09E-03	5.39E-03	8.73E-04	5.38E-04
1002	567385.29	4216792.69	6.14E-03	5.43E-03	8.80E-04	5.42E-04
1003	567390.33	4216800.72	6.17E-03	5.46E-03	8.84E-04	5.44E-04
1004	567395.36	4216808.75	6.18E-03	5.47E-03	8.87E-04	5.46E-04
1005	567400.39	4216816.78	6.19E-03	5.47E-03	8.87E-04	5.46E-04
1006	567410.45	4216832.84	6.19E-03	5.48E-03	8.88E-04	5.47E-04
1007	567415.48	4216840.88	6.18E-03	5.47E-03	8.87E-04	5.46E-04
1008	567420.51	4216848.91	6.18E-03	5.47E-03	8.86E-04	5.46E-04
1009	567425.54	4216856.94	6.18E-03	5.47E-03	8.87E-04	5.46E-04
1010	567430.57	4216864.97	6.18E-03	5.47E-03	8.86E-04	5.46E-04
1011	567433.31	4216882.2	6.45E-03	5.71E-03	9.25E-04	5.70E-04
1012	567431.01	4216891.39	6.75E-03	5.97E-03	9.68E-04	5.96E-04
1013	567428.72	4216900.59	7.07E-03	6.26E-03	1.01E-03	6.24E-04
1014	567424.12	4216918.97	7.80E-03	6.90E-03	1.12E-03	6.89E-04
1015	567421.83	4216928.17	8.21E-03	7.26E-03	1.18E-03	7.25E-04
1016	567419.53	4216937.36	8.64E-03	7.64E-03	1.24E-03	7.63E-04
1017	567417.23	4216946.56	9.06E-03	8.02E-03	1.30E-03	8.00E-04
1018	567414.94	4216955.75	9.51E-03	8.42E-03	1.36E-03	8.40E-04
1019	567412.64	4216964.95	9.98E-03	8.83E-03	1.43E-03	8.81E-04
1020	567410.34	4216974.14	1.05E-02	9.29E-03	1.51E-03	9.27E-04
1021	567408.05	4216983.34	1.10E-02	9.77E-03	1.58E-03	9.75E-04
1022	567401.16	4217010.92	1.27E-02	1.12E-02	1.82E-03	1.12E-03
1023	567398.86	4217020.12	1.32E-02	1.17E-02	1.89E-03	1.16E-03
1024	567340.01	4216720.4	5.18E-03	4.58E-03	7.42E-04	4.57E-04
1025	567332.11	4216714.89	5.15E-03	4.56E-03	7.39E-04	4.55E-04
1026	567324.2	4216709.38	5.12E-03	4.53E-03	7.34E-04	4.52E-04
1027	567300.48	4216692.83	4.93E-03	4.37E-03	7.07E-04	4.36E-04
1028	567292.57	4216687.32	4.84E-03	4.28E-03	6.94E-04	4.27E-04
1029	567260.94	4216665.26	4.39E-03	3.89E-03	6.30E-04	3.88E-04
1030	567253.04	4216659.75	4.27E-03	3.78E-03	6.13E-04	3.77E-04
1031	567245.13	4216654.23	4.15E-03	3.67E-03	5.95E-04	3.67E-04
1032	567237.22	4216648.72	4.03E-03	3.57E-03	5.79E-04	3.56E-04
1033	567229.31	4216643.2	3.92E-03	3.47E-03	5.62E-04	3.46E-04
1034	567350.72	4216720.16	4.99E-03	4.42E-03	7.16E-04	4.41E-04
1035	567355.71	4216728.13	5.11E-03	4.52E-03	7.33E-04	4.51E-04

1036	567360.7	4216736.09	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1037	567370.67	4216752.01	5.44E-03	4.82E-03	7.80E-04	4.81E-04
1038	567375.66	4216759.97	5.53E-03	4.90E-03	7.94E-04	4.89E-04
1039	567380.65	4216767.93	5.65E-03	5.00E-03	8.10E-04	4.99E-04
1040	567385.63	4216775.89	5.72E-03	5.06E-03	8.20E-04	5.05E-04
1041	567390.62	4216783.86	5.77E-03	5.11E-03	8.28E-04	5.10E-04
1042	567395.61	4216791.82	5.81E-03	5.14E-03	8.33E-04	5.13E-04
1043	567400.6	4216799.78	5.83E-03	5.16E-03	8.36E-04	5.15E-04
1044	567410.57	4216815.7	5.83E-03	5.16E-03	8.37E-04	5.15E-04
1045	567420.55	4216831.63	5.84E-03	5.17E-03	8.37E-04	5.16E-04
1046	567425.53	4216839.59	5.84E-03	5.16E-03	8.37E-04	5.15E-04
1047	567430.52	4216847.55	5.83E-03	5.16E-03	8.36E-04	5.15E-04
1048	567435.51	4216855.51	5.83E-03	5.16E-03	8.36E-04	5.15E-04
1049	567440.49	4216863.47	5.82E-03	5.15E-03	8.35E-04	5.14E-04
1050	567443.21	4216880.55	6.06E-03	5.36E-03	8.69E-04	5.35E-04
1051	567440.93	4216889.66	6.33E-03	5.60E-03	9.08E-04	5.59E-04
1052	567438.65	4216898.78	6.62E-03	5.85E-03	9.49E-04	5.84E-04
1053	567434.1	4216917.01	7.26E-03	6.43E-03	1.04E-03	6.41E-04
1054	567431.82	4216926.12	7.62E-03	6.74E-03	1.09E-03	6.73E-04
1055	567429.55	4216935.24	8.00E-03	7.08E-03	1.15E-03	7.07E-04
1056	567427.27	4216944.35	8.38E-03	7.42E-03	1.20E-03	7.40E-04
1057	567424.99	4216953.47	8.78E-03	7.77E-03	1.26E-03	7.75E-04
1058	567422.72	4216962.58	9.19E-03	8.14E-03	1.32E-03	8.12E-04
1059	567420.44	4216971.69	9.65E-03	8.54E-03	1.38E-03	8.52E-04
1060	567418.16	4216980.81	1.01E-02	8.97E-03	1.45E-03	8.95E-04
1061	567415.89	4216989.92	1.06E-02	9.41E-03	1.53E-03	9.39E-04
1062	567411.33	4217008.15	1.16E-02	1.03E-02	1.67E-03	1.03E-03
1063	567409.05	4217017.27	1.21E-02	1.07E-02	1.73E-03	1.07E-03
1064	567345.73	4216712.2	4.88E-03	4.32E-03	6.99E-04	4.31E-04
1065	567337.83	4216706.69	4.85E-03	4.29E-03	6.96E-04	4.28E-04
1066	567329.92	4216701.17	4.82E-03	4.26E-03	6.91E-04	4.25E-04
1067	567322.01	4216695.66	4.77E-03	4.22E-03	6.84E-04	4.21E-04
1068	567266.66	4216657.06	4.15E-03	3.67E-03	5.95E-04	3.66E-04
1069	567258.76	4216651.55	4.04E-03	3.57E-03	5.79E-04	3.57E-04
1070	567250.85	4216646.03	3.93E-03	3.48E-03	5.64E-04	3.47E-04
1071	567242.94	4216640.52	3.82E-03	3.38E-03	5.48E-04	3.38E-04
1072	567235.03	4216635	3.72E-03	3.29E-03	5.33E-04	3.28E-04
1073	567356.4	4216711.9	4.71E-03	4.17E-03	6.76E-04	4.16E-04
1074	567361.35	4216719.8	4.82E-03	4.26E-03	6.91E-04	4.25E-04
1075	567371.25	4216735.59	5.02E-03	4.45E-03	7.20E-04	4.44E-04
1076	567381.14	4216751.39	5.24E-03	4.64E-03	7.52E-04	4.63E-04
1077	567386.09	4216759.29	5.32E-03	4.71E-03	7.63E-04	4.70E-04
1078	567391.04	4216767.19	5.38E-03	4.76E-03	7.72E-04	4.75E-04
1079	567395.98	4216775.09	5.44E-03	4.81E-03	7.80E-04	4.80E-04
1080	567400.93	4216782.98	5.48E-03	4.85E-03	7.86E-04	4.84E-04
1081	567405.88	4216790.88	5.51E-03	4.87E-03	7.90E-04	4.86E-04
1082	567410.83	4216798.78	5.52E-03	4.88E-03	7.91E-04	4.87E-04
1083	567430.62	4216830.37	5.52E-03	4.89E-03	7.92E-04	4.88E-04
1084	567435.57	4216838.27	5.52E-03	4.88E-03	7.91E-04	4.87E-04
1085	567445.46	4216854.07	5.50E-03	4.87E-03	7.89E-04	4.86E-04
1086	567450.41	4216861.97	5.51E-03	4.87E-03	7.90E-04	4.86E-04
1087	567453.1	4216878.91	5.72E-03	5.07E-03	8.21E-04	5.05E-04

1088	567450.84	4216887.95	5.96E-03	5.27E-03	8.54E-04	5.26E-04
1089	567448.58	4216896.99	6.21E-03	5.49E-03	8.90E-04	5.48E-04
1090	567441.81	4216924.12	7.10E-03	6.28E-03	1.02E-03	6.27E-04
1091	567439.55	4216933.16	7.44E-03	6.58E-03	1.07E-03	6.57E-04
1092	567437.29	4216942.2	7.78E-03	6.88E-03	1.12E-03	6.87E-04
1093	567435.03	4216951.25	8.13E-03	7.20E-03	1.17E-03	7.18E-04
1094	567432.77	4216960.29	8.50E-03	7.52E-03	1.22E-03	7.51E-04
1095	567430.51	4216969.33	8.90E-03	7.88E-03	1.28E-03	7.86E-04
1096	567428.25	4216978.37	9.34E-03	8.26E-03	1.34E-03	8.24E-04
1097	567426	4216987.42	9.79E-03	8.66E-03	1.40E-03	8.64E-04
1098	567351.45	4216704	4.61E-03	4.08E-03	6.60E-04	4.07E-04
1099	567343.55	4216698.49	4.58E-03	4.05E-03	6.57E-04	4.04E-04
1100	567335.64	4216692.97	4.54E-03	4.02E-03	6.52E-04	4.01E-04
1101	567327.73	4216687.46	4.50E-03	3.98E-03	6.45E-04	3.97E-04
1102	567319.83	4216681.94	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1103	567280.29	4216654.37	4.03E-03	3.56E-03	5.77E-04	3.56E-04
1104	567272.38	4216648.86	3.93E-03	3.48E-03	5.63E-04	3.47E-04
1105	567264.48	4216643.34	3.83E-03	3.39E-03	5.49E-04	3.38E-04
1106	567256.57	4216637.83	3.73E-03	3.30E-03	5.34E-04	3.29E-04
1107	567248.66	4216632.31	3.63E-03	3.21E-03	5.20E-04	3.20E-04
1108	567240.75	4216626.8	3.53E-03	3.12E-03	5.06E-04	3.12E-04
1109	567362.09	4216703.64	4.46E-03	3.94E-03	6.39E-04	3.93E-04
1110	567367	4216711.48	4.55E-03	4.03E-03	6.53E-04	4.02E-04
1111	567371.91	4216719.32	4.65E-03	4.11E-03	6.66E-04	4.10E-04
1112	567381.73	4216735	4.86E-03	4.30E-03	6.98E-04	4.30E-04
1113	567396.47	4216758.53	5.08E-03	4.49E-03	7.28E-04	4.48E-04
1114	567401.38	4216766.37	5.13E-03	4.54E-03	7.36E-04	4.53E-04
1115	567411.2	4216782.05	5.20E-03	4.61E-03	7.46E-04	4.60E-04
1116	567416.12	4216789.89	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1117	567425.94	4216805.57	5.24E-03	4.64E-03	7.52E-04	4.63E-04
1118	567445.59	4216836.93	5.23E-03	4.62E-03	7.49E-04	4.61E-04
1119	567450.5	4216844.78	5.22E-03	4.62E-03	7.49E-04	4.61E-04
1120	567460.32	4216860.46	5.22E-03	4.62E-03	7.49E-04	4.61E-04
1121	567462.99	4216877.27	5.42E-03	4.79E-03	7.77E-04	4.78E-04
1122	567460.75	4216886.25	5.62E-03	4.97E-03	8.06E-04	4.96E-04
1123	567451.78	4216922.16	6.63E-03	5.87E-03	9.51E-04	5.85E-04
1124	567449.54	4216931.13	6.93E-03	6.13E-03	9.94E-04	6.12E-04
1125	567447.3	4216940.11	7.24E-03	6.41E-03	1.04E-03	6.40E-04
1126	567445.05	4216949.09	7.56E-03	6.69E-03	1.08E-03	6.67E-04
1127	567442.81	4216958.06	7.89E-03	6.98E-03	1.13E-03	6.97E-04
1128	567440.57	4216967.04	8.24E-03	7.29E-03	1.18E-03	7.27E-04
1129	567438.33	4216976.02	8.63E-03	7.63E-03	1.24E-03	7.62E-04
1130	567436.09	4216984.99	9.03E-03	7.99E-03	1.30E-03	7.98E-04
1131	567433.84	4216993.97	9.45E-03	8.36E-03	1.36E-03	8.35E-04
1132	567349.27	4216690.28	4.33E-03	3.83E-03	6.21E-04	3.82E-04
1133	567341.36	4216684.77	4.29E-03	3.80E-03	6.15E-04	3.79E-04
1134	567333.45	4216679.25	4.25E-03	3.76E-03	6.09E-04	3.75E-04
1135	567325.55	4216673.74	4.20E-03	3.72E-03	6.03E-04	3.71E-04
1136	567293.92	4216651.68	3.90E-03	3.45E-03	5.60E-04	3.45E-04
1137	567286.01	4216646.17	3.82E-03	3.38E-03	5.47E-04	3.37E-04
1138	567278.1	4216640.65	3.72E-03	3.30E-03	5.34E-04	3.29E-04
1139	567270.2	4216635.14	3.63E-03	3.21E-03	5.21E-04	3.21E-04

1140	567262.29	4216629.63	3.54E-03	3.13E-03	5.08E-04	3.13E-04
1141	567254.38	4216624.11	3.45E-03	3.05E-03	4.95E-04	3.05E-04
1142	567246.48	4216618.6	3.36E-03	2.97E-03	4.82E-04	2.97E-04
1143	567368	4216695.74	4.22E-03	3.74E-03	6.05E-04	3.73E-04
1144	567373.1	4216703.88	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1145	567378.2	4216712.02	4.41E-03	3.90E-03	6.32E-04	3.89E-04
1146	567383.3	4216720.17	4.53E-03	4.01E-03	6.50E-04	4.00E-04
1147	567388.4	4216728.31	4.62E-03	4.09E-03	6.62E-04	4.08E-04
1148	567398.6	4216744.59	4.76E-03	4.22E-03	6.83E-04	4.21E-04
1149	567403.7	4216752.74	4.82E-03	4.27E-03	6.91E-04	4.26E-04
1150	567408.8	4216760.88	4.87E-03	4.31E-03	6.98E-04	4.30E-04
1151	567413.9	4216769.02	4.91E-03	4.34E-03	7.04E-04	4.33E-04
1152	567419	4216777.16	4.94E-03	4.37E-03	7.09E-04	4.36E-04
1153	567424.1	4216785.31	4.97E-03	4.40E-03	7.13E-04	4.39E-04
1154	567429.2	4216793.45	4.98E-03	4.41E-03	7.14E-04	4.40E-04
1155	567434.31	4216801.59	4.98E-03	4.41E-03	7.14E-04	4.40E-04
1156	567449.61	4216826.02	4.97E-03	4.40E-03	7.13E-04	4.39E-04
1157	567454.71	4216834.16	4.97E-03	4.40E-03	7.13E-04	4.39E-04
1158	567459.81	4216842.3	4.96E-03	4.39E-03	7.12E-04	4.38E-04
1159	567464.91	4216850.45	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1160	567470.01	4216858.59	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1161	567472.78	4216876.05	5.14E-03	4.55E-03	7.37E-04	4.54E-04
1162	567470.45	4216885.37	5.33E-03	4.72E-03	7.65E-04	4.71E-04
1163	567468.13	4216894.7	5.54E-03	4.90E-03	7.94E-04	4.89E-04
1164	567465.8	4216904.02	5.76E-03	5.10E-03	8.26E-04	5.09E-04
1165	567458.81	4216931.98	6.57E-03	5.81E-03	9.42E-04	5.80E-04
1166	567456.48	4216941.3	6.86E-03	6.07E-03	9.84E-04	6.06E-04
1167	567454.16	4216950.63	7.17E-03	6.34E-03	1.03E-03	6.33E-04
1168	567451.83	4216959.95	7.49E-03	6.63E-03	1.07E-03	6.62E-04
1169	567449.5	4216969.27	7.83E-03	6.93E-03	1.12E-03	6.91E-04
1170	567447.17	4216978.59	8.20E-03	7.25E-03	1.18E-03	7.24E-04
1171	567444.84	4216987.91	8.58E-03	7.60E-03	1.23E-03	7.58E-04
1172	567362.9	4216687.6	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1173	567354.99	4216682.08	4.09E-03	3.62E-03	5.87E-04	3.61E-04
1174	567347.08	4216676.57	4.06E-03	3.59E-03	5.82E-04	3.58E-04
1175	567339.17	4216671.05	4.02E-03	3.56E-03	5.76E-04	3.55E-04
1176	567307.55	4216649	3.78E-03	3.34E-03	5.42E-04	3.34E-04
1177	567299.64	4216643.48	3.70E-03	3.28E-03	5.31E-04	3.27E-04
1178	567291.73	4216637.97	3.62E-03	3.20E-03	5.19E-04	3.20E-04
1179	567283.82	4216632.45	3.54E-03	3.13E-03	5.07E-04	3.12E-04
1180	567275.92	4216626.94	3.45E-03	3.06E-03	4.95E-04	3.05E-04
1181	567268.01	4216621.42	3.37E-03	2.98E-03	4.83E-04	2.98E-04
1182	567260.1	4216615.91	3.29E-03	2.91E-03	4.71E-04	2.90E-04
1183	567252.2	4216610.4	3.20E-03	2.83E-03	4.59E-04	2.83E-04
1184	567373.68	4216687.47	4.00E-03	3.54E-03	5.73E-04	3.53E-04
1185	567378.73	4216695.55	4.09E-03	3.62E-03	5.86E-04	3.61E-04
1186	567383.79	4216703.62	4.17E-03	3.69E-03	5.99E-04	3.69E-04
1187	567388.85	4216711.7	4.26E-03	3.77E-03	6.11E-04	3.76E-04
1188	567393.91	4216719.78	4.38E-03	3.87E-03	6.27E-04	3.86E-04
1189	567398.97	4216727.85	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1190	567409.09	4216744.01	4.57E-03	4.04E-03	6.55E-04	4.03E-04
1191	567414.15	4216752.09	4.61E-03	4.08E-03	6.61E-04	4.07E-04

1192	567419.21	4216760.16	4.65E-03	4.12E-03	6.67E-04	4.11E-04
1193	567424.27	4216768.24	4.69E-03	4.15E-03	6.72E-04	4.14E-04
1194	567429.33	4216776.32	4.71E-03	4.17E-03	6.76E-04	4.16E-04
1195	567434.39	4216784.39	4.74E-03	4.19E-03	6.79E-04	4.18E-04
1196	567439.45	4216792.47	4.74E-03	4.20E-03	6.80E-04	4.19E-04
1197	567444.51	4216800.55	4.74E-03	4.20E-03	6.80E-04	4.19E-04
1198	567459.69	4216824.78	4.74E-03	4.19E-03	6.79E-04	4.18E-04
1199	567464.75	4216832.85	4.73E-03	4.19E-03	6.79E-04	4.18E-04
1200	567469.81	4216840.93	4.72E-03	4.18E-03	6.77E-04	4.17E-04
1201	567474.87	4216849.01	4.72E-03	4.17E-03	6.76E-04	4.17E-04
1202	567479.93	4216857.09	4.71E-03	4.17E-03	6.75E-04	4.16E-04
1203	567482.68	4216874.41	4.87E-03	4.31E-03	6.98E-04	4.30E-04
1204	567480.37	4216883.66	5.05E-03	4.47E-03	7.24E-04	4.46E-04
1205	567478.06	4216892.9	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1206	567475.75	4216902.15	5.43E-03	4.80E-03	7.78E-04	4.79E-04
1207	567468.82	4216929.89	6.15E-03	5.44E-03	8.81E-04	5.43E-04
1208	567466.51	4216939.14	6.42E-03	5.68E-03	9.20E-04	5.67E-04
1209	567464.2	4216948.38	6.69E-03	5.92E-03	9.60E-04	5.91E-04
1210	567461.89	4216957.63	6.99E-03	6.18E-03	1.00E-03	6.17E-04
1211	567459.58	4216966.88	7.30E-03	6.46E-03	1.05E-03	6.44E-04
1212	567457.27	4216976.12	7.63E-03	6.75E-03	1.09E-03	6.74E-04
1213	567454.96	4216985.37	7.98E-03	7.06E-03	1.14E-03	7.05E-04
1214	567452.65	4216994.62	8.34E-03	7.38E-03	1.20E-03	7.36E-04
1215	567368.62	4216679.39	3.90E-03	3.45E-03	5.60E-04	3.45E-04
1216	567360.71	4216673.88	3.88E-03	3.43E-03	5.56E-04	3.42E-04
1217	567352.8	4216668.36	3.84E-03	3.40E-03	5.51E-04	3.39E-04
1218	567321.17	4216646.31	3.66E-03	3.24E-03	5.24E-04	3.23E-04
1219	567313.27	4216640.79	3.59E-03	3.18E-03	5.15E-04	3.17E-04
1220	567305.36	4216635.28	3.52E-03	3.11E-03	5.04E-04	3.11E-04
1221	567297.45	4216629.76	3.44E-03	3.05E-03	4.94E-04	3.04E-04
1222	567289.54	4216624.25	3.37E-03	2.98E-03	4.83E-04	2.97E-04
1223	567281.64	4216618.74	3.29E-03	2.91E-03	4.72E-04	2.91E-04
1224	567273.73	4216613.22	3.21E-03	2.84E-03	4.61E-04	2.84E-04
1225	567265.82	4216607.71	3.14E-03	2.77E-03	4.50E-04	2.77E-04
1226	567257.92	4216602.19	3.06E-03	2.71E-03	4.38E-04	2.70E-04
1227	567379.36	4216679.21	3.80E-03	3.36E-03	5.44E-04	3.35E-04
1228	567384.38	4216687.22	3.88E-03	3.43E-03	5.56E-04	3.43E-04
1229	567389.4	4216695.24	3.96E-03	3.51E-03	5.68E-04	3.50E-04
1230	567394.42	4216703.26	4.04E-03	3.58E-03	5.80E-04	3.57E-04
1231	567399.45	4216711.27	4.12E-03	3.64E-03	5.91E-04	3.64E-04
1232	567404.47	4216719.29	4.22E-03	3.74E-03	6.05E-04	3.73E-04
1233	567409.49	4216727.31	4.28E-03	3.79E-03	6.14E-04	3.78E-04
1234	567419.53	4216743.34	4.38E-03	3.88E-03	6.28E-04	3.87E-04
1235	567424.56	4216751.36	4.42E-03	3.91E-03	6.34E-04	3.90E-04
1236	567429.58	4216759.38	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1237	567434.6	4216767.39	4.48E-03	3.96E-03	6.42E-04	3.96E-04
1238	567439.62	4216775.41	4.50E-03	3.98E-03	6.46E-04	3.97E-04
1239	567444.64	4216783.43	4.52E-03	4.00E-03	6.48E-04	3.99E-04
1240	567449.67	4216791.44	4.52E-03	4.00E-03	6.49E-04	3.99E-04
1241	567454.69	4216799.46	4.52E-03	4.00E-03	6.49E-04	3.99E-04
1242	567464.73	4216815.49	4.52E-03	4.00E-03	6.48E-04	3.99E-04
1243	567469.75	4216823.51	4.52E-03	4.00E-03	6.48E-04	3.99E-04

1244	567474.78	4216831.53	4.51E-03	3.99E-03	6.47E-04	3.98E-04
1245	567479.8	4216839.54	4.50E-03	3.98E-03	6.46E-04	3.98E-04
1246	567484.82	4216847.56	4.49E-03	3.97E-03	6.44E-04	3.97E-04
1247	567489.84	4216855.58	4.48E-03	3.97E-03	6.43E-04	3.96E-04
1248	567492.57	4216872.77	4.62E-03	4.09E-03	6.62E-04	4.08E-04
1249	567490.28	4216881.95	4.78E-03	4.23E-03	6.86E-04	4.22E-04
1250	567487.99	4216891.13	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1251	567485.69	4216900.31	5.14E-03	4.55E-03	7.37E-04	4.54E-04
1252	567483.4	4216909.48	5.33E-03	4.72E-03	7.65E-04	4.71E-04
1253	567476.52	4216937.02	6.02E-03	5.32E-03	8.63E-04	5.31E-04
1254	567474.23	4216946.2	6.27E-03	5.54E-03	8.99E-04	5.53E-04
1255	567471.94	4216955.37	6.53E-03	5.78E-03	9.37E-04	5.77E-04
1256	567469.65	4216964.55	6.81E-03	6.03E-03	9.77E-04	6.02E-04
1257	567467.35	4216973.73	7.11E-03	6.29E-03	1.02E-03	6.28E-04
1258	567465.06	4216982.91	7.43E-03	6.57E-03	1.06E-03	6.56E-04
1259	567462.77	4216992.09	7.75E-03	6.86E-03	1.11E-03	6.85E-04
1260	567460.48	4217001.26	8.09E-03	7.16E-03	1.16E-03	7.15E-04
1261	567374.34	4216671.19	3.71E-03	3.28E-03	5.32E-04	3.27E-04
1262	567366.43	4216665.68	3.68E-03	3.26E-03	5.28E-04	3.25E-04
1263	567334.8	4216643.62	3.52E-03	3.12E-03	5.05E-04	3.11E-04
1264	567326.89	4216638.1	3.48E-03	3.08E-03	4.98E-04	3.07E-04
1265	567318.99	4216632.59	3.41E-03	3.02E-03	4.90E-04	3.01E-04
1266	567311.08	4216627.08	3.35E-03	2.96E-03	4.80E-04	2.96E-04
1267	567303.17	4216621.56	3.28E-03	2.90E-03	4.70E-04	2.90E-04
1268	567295.26	4216616.05	3.21E-03	2.84E-03	4.60E-04	2.83E-04
1269	567287.36	4216610.53	3.14E-03	2.78E-03	4.50E-04	2.77E-04
1270	567279.45	4216605.02	3.07E-03	2.71E-03	4.40E-04	2.71E-04
1271	567271.54	4216599.5	2.99E-03	2.65E-03	4.29E-04	2.64E-04
1272	567263.64	4216593.99	2.92E-03	2.59E-03	4.19E-04	2.58E-04
1273	567385.04	4216670.95	3.61E-03	3.19E-03	5.18E-04	3.19E-04
1274	567390.03	4216678.91	3.69E-03	3.27E-03	5.29E-04	3.26E-04
1275	567395.02	4216686.87	3.77E-03	3.34E-03	5.40E-04	3.33E-04
1276	567400.01	4216694.83	3.84E-03	3.40E-03	5.51E-04	3.40E-04
1277	567404.99	4216702.8	3.92E-03	3.46E-03	5.61E-04	3.46E-04
1278	567409.98	4216710.76	3.98E-03	3.52E-03	5.71E-04	3.52E-04
1279	567429.93	4216742.6	4.20E-03	3.72E-03	6.03E-04	3.71E-04
1280	567434.92	4216750.57	4.23E-03	3.75E-03	6.07E-04	3.74E-04
1281	567439.9	4216758.53	4.26E-03	3.77E-03	6.11E-04	3.76E-04
1282	567444.89	4216766.49	4.29E-03	3.79E-03	6.15E-04	3.78E-04
1283	567449.88	4216774.45	4.30E-03	3.81E-03	6.17E-04	3.80E-04
1284	567454.87	4216782.41	4.31E-03	3.82E-03	6.19E-04	3.81E-04
1285	567459.85	4216790.37	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1286	567464.84	4216798.33	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1287	567474.82	4216814.26	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1288	567479.8	4216822.22	4.31E-03	3.82E-03	6.18E-04	3.81E-04
1289	567484.79	4216830.18	4.31E-03	3.81E-03	6.17E-04	3.80E-04
1290	567489.78	4216838.14	4.30E-03	3.80E-03	6.16E-04	3.79E-04
1291	567494.77	4216846.1	4.28E-03	3.79E-03	6.14E-04	3.78E-04
1292	567493.36	4216907.6	5.04E-03	4.46E-03	7.23E-04	4.45E-04
1293	567484.25	4216944.06	5.89E-03	5.21E-03	8.45E-04	5.20E-04
1294	567481.97	4216953.17	6.13E-03	5.43E-03	8.79E-04	5.41E-04
1295	567479.7	4216962.29	6.39E-03	5.65E-03	9.16E-04	5.64E-04

1296	567477.42	4216971.4	6.65E-03	5.89E-03	9.54E-04	5.88E-04
1297	567475.14	4216980.52	6.93E-03	6.14E-03	9.94E-04	6.12E-04
1298	567472.87	4216989.63	7.23E-03	6.40E-03	1.04E-03	6.38E-04
1299	567470.59	4216998.75	7.54E-03	6.67E-03	1.08E-03	6.66E-04
1300	567380.06	4216662.99	3.53E-03	3.12E-03	5.06E-04	3.11E-04
1301	567340.52	4216635.42	3.35E-03	2.96E-03	4.80E-04	2.96E-04
1302	567332.61	4216629.9	3.31E-03	2.93E-03	4.74E-04	2.92E-04
1303	567324.71	4216624.39	3.25E-03	2.88E-03	4.66E-04	2.87E-04
1304	567316.8	4216618.87	3.19E-03	2.82E-03	4.58E-04	2.82E-04
1305	567308.89	4216613.36	3.13E-03	2.77E-03	4.48E-04	2.76E-04
1306	567300.98	4216607.85	3.06E-03	2.71E-03	4.39E-04	2.70E-04
1307	567293.08	4216602.33	2.99E-03	2.65E-03	4.29E-04	2.64E-04
1308	567285.17	4216596.82	2.93E-03	2.59E-03	4.20E-04	2.59E-04
1309	567277.26	4216591.3	2.86E-03	2.53E-03	4.10E-04	2.53E-04
1310	567269.36	4216585.79	2.80E-03	2.47E-03	4.01E-04	2.47E-04
1311	567390.73	4216662.7	3.44E-03	3.04E-03	4.93E-04	3.04E-04
1312	567395.69	4216670.61	3.51E-03	3.11E-03	5.04E-04	3.10E-04
1313	567400.64	4216678.52	3.59E-03	3.17E-03	5.14E-04	3.17E-04
1314	567405.6	4216686.43	3.66E-03	3.24E-03	5.25E-04	3.23E-04
1315	567410.55	4216694.34	3.73E-03	3.30E-03	5.34E-04	3.29E-04
1316	567420.46	4216710.16	3.84E-03	3.40E-03	5.51E-04	3.39E-04
1317	567425.42	4216718.07	3.92E-03	3.47E-03	5.63E-04	3.47E-04
1318	567435.33	4216733.89	4.00E-03	3.54E-03	5.74E-04	3.53E-04
1319	567440.29	4216741.8	4.03E-03	3.57E-03	5.78E-04	3.56E-04
1320	567450.2	4216757.62	4.09E-03	3.62E-03	5.86E-04	3.61E-04
1321	567455.15	4216765.53	4.11E-03	3.63E-03	5.89E-04	3.63E-04
1322	567460.11	4216773.44	4.12E-03	3.64E-03	5.91E-04	3.64E-04
1323	567465.06	4216781.35	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1324	567470.02	4216789.26	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1325	567474.97	4216797.18	4.13E-03	3.65E-03	5.92E-04	3.64E-04
1326	567484.88	4216813	4.13E-03	3.65E-03	5.92E-04	3.64E-04
1327	567489.84	4216820.91	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1328	567494.79	4216828.82	4.11E-03	3.64E-03	5.90E-04	3.63E-04
1329	567492	4216951.02	5.77E-03	5.11E-03	8.27E-04	5.09E-04
1330	567489.73	4216960.08	6.00E-03	5.31E-03	8.61E-04	5.30E-04
1331	567487.47	4216969.13	6.25E-03	5.53E-03	8.96E-04	5.52E-04
1332	567485.21	4216978.19	6.50E-03	5.75E-03	9.32E-04	5.74E-04
1333	567482.95	4216987.25	6.77E-03	5.99E-03	9.71E-04	5.98E-04
1334	567480.68	4216996.3	7.04E-03	6.23E-03	1.01E-03	6.22E-04
1335	567478.42	4217005.36	7.34E-03	6.50E-03	1.05E-03	6.48E-04
1336	567354.15	4216632.73	3.23E-03	2.86E-03	4.63E-04	2.85E-04
1337	567346.24	4216627.21	3.19E-03	2.83E-03	4.58E-04	2.82E-04
1338	567338.33	4216621.7	3.16E-03	2.79E-03	4.52E-04	2.79E-04
1339	567330.43	4216616.19	3.10E-03	2.75E-03	4.45E-04	2.74E-04
1340	567322.52	4216610.67	3.05E-03	2.69E-03	4.37E-04	2.69E-04
1341	567314.61	4216605.16	2.99E-03	2.64E-03	4.28E-04	2.64E-04
1342	567306.7	4216599.64	2.93E-03	2.59E-03	4.19E-04	2.58E-04
1343	567298.8	4216594.13	2.86E-03	2.53E-03	4.11E-04	2.53E-04
1344	567290.89	4216588.61	2.80E-03	2.48E-03	4.02E-04	2.47E-04
1345	567282.98	4216583.1	2.74E-03	2.42E-03	3.93E-04	2.42E-04
1346	567275.08	4216577.59	2.68E-03	2.37E-03	3.84E-04	2.36E-04
1347	567103.47	4216803.66	2.14E-02	1.89E-02	3.07E-03	1.89E-03

1348	567103.47	4216793.66	1.77E-02	1.57E-02	2.54E-03	1.56E-03
1349	567104.9	4216784.11	1.51E-02	1.34E-02	2.17E-03	1.34E-03
1350	567104.61	4216774.02	1.30E-02	1.15E-02	1.87E-03	1.15E-03
1351	567118.34	4216778.33	1.39E-02	1.23E-02	2.00E-03	1.23E-03
1352	567104.42	4216763.96	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1353	567117.77	4216768.15	1.21E-02	1.07E-02	1.73E-03	1.07E-03
1354	567089.85	4216761.86	1.11E-02	9.79E-03	1.59E-03	9.77E-04
1355	567104.29	4216753.91	1.01E-02	8.91E-03	1.44E-03	8.89E-04
1356	567117.36	4216758.02	1.06E-02	9.39E-03	1.52E-03	9.37E-04
1357	567130.44	4216762.13	1.12E-02	9.91E-03	1.61E-03	9.89E-04
1358	567089.85	4216751.86	9.80E-03	8.67E-03	1.40E-03	8.65E-04
1359	567105.1	4216744.17	9.01E-03	7.97E-03	1.29E-03	7.96E-04
1360	567119.81	4216748.79	9.53E-03	8.43E-03	1.37E-03	8.41E-04
1361	567134.52	4216753.42	1.01E-02	8.92E-03	1.44E-03	8.90E-04
1362	567089.85	4216741.86	8.75E-03	7.74E-03	1.25E-03	7.73E-04
1363	567104.9	4216734.11	8.10E-03	7.17E-03	1.16E-03	7.15E-04
1364	567119.2	4216738.6	8.52E-03	7.54E-03	1.22E-03	7.53E-04
1365	567133.5	4216743.09	8.97E-03	7.94E-03	1.29E-03	7.92E-04
1366	567132.71	4216732.85	8.06E-03	7.13E-03	1.16E-03	7.11E-04
1367	567146.69	4216737.24	8.44E-03	7.47E-03	1.21E-03	7.45E-04
1368	567145.8	4216726.96	7.61E-03	6.74E-03	1.09E-03	6.72E-04
1369	567089.85	4216711.86	6.52E-03	5.77E-03	9.35E-04	5.76E-04
1370	567105.19	4216704.2	6.12E-03	5.41E-03	8.77E-04	5.40E-04
1371	567089.85	4216701.86	5.98E-03	5.29E-03	8.58E-04	5.28E-04
1372	567105.03	4216694.15	5.63E-03	4.98E-03	8.07E-04	4.97E-04
1373	567119.59	4216698.72	5.87E-03	5.19E-03	8.41E-04	5.18E-04
1374	567134.15	4216703.3	6.13E-03	5.42E-03	8.79E-04	5.41E-04
1375	567089.85	4216691.86	5.51E-03	4.87E-03	7.90E-04	4.86E-04
1376	567104.9	4216684.11	5.20E-03	4.60E-03	7.46E-04	4.59E-04
1377	567119.2	4216688.6	5.41E-03	4.78E-03	7.75E-04	4.77E-04
1378	567133.5	4216693.09	5.63E-03	4.98E-03	8.08E-04	4.97E-04
1379	567147.8	4216697.59	5.87E-03	5.19E-03	8.41E-04	5.18E-04
1380	567089.85	4216681.86	5.09E-03	4.51E-03	7.30E-04	4.50E-04
1381	567104.79	4216674.07	4.82E-03	4.27E-03	6.92E-04	4.26E-04
1382	567118.87	4216678.5	5.00E-03	4.43E-03	7.18E-04	4.42E-04
1383	567132.95	4216682.92	5.20E-03	4.60E-03	7.45E-04	4.59E-04
1384	567147.03	4216687.35	5.40E-03	4.78E-03	7.74E-04	4.77E-04
1385	567161.11	4216691.77	5.60E-03	4.95E-03	8.03E-04	4.94E-04
1386	567089.85	4216671.86	4.73E-03	4.18E-03	6.78E-04	4.17E-04
1387	567105.23	4216664.21	4.50E-03	3.98E-03	6.45E-04	3.97E-04
1388	567120.19	4216668.91	4.67E-03	4.13E-03	6.69E-04	4.12E-04
1389	567135.15	4216673.61	4.85E-03	4.29E-03	6.95E-04	4.28E-04
1390	567150.11	4216678.31	5.04E-03	4.46E-03	7.22E-04	4.45E-04
1391	567165.07	4216683.02	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1392	567180.03	4216687.72	5.42E-03	4.79E-03	7.77E-04	4.78E-04
1393	567089.85	4216661.86	4.40E-03	3.90E-03	6.31E-04	3.89E-04
1394	567105.1	4216654.17	4.20E-03	3.71E-03	6.02E-04	3.70E-04
1395	567119.81	4216658.79	4.35E-03	3.85E-03	6.23E-04	3.84E-04
1396	567134.52	4216663.42	4.51E-03	3.99E-03	6.46E-04	3.98E-04
1397	567149.23	4216668.04	4.67E-03	4.13E-03	6.70E-04	4.12E-04
1398	567163.94	4216672.66	4.84E-03	4.28E-03	6.94E-04	4.27E-04
1399	567178.65	4216677.28	5.00E-03	4.43E-03	7.18E-04	4.42E-04

1400	567089.85	4216651.86	4.12E-03	3.64E-03	5.90E-04	3.63E-04
1401	567105	4216644.14	3.93E-03	3.47E-03	5.63E-04	3.47E-04
1402	567119.49	4216648.69	4.06E-03	3.59E-03	5.82E-04	3.59E-04
1403	567133.98	4216653.24	4.20E-03	3.72E-03	6.02E-04	3.71E-04
1404	567148.47	4216657.8	4.35E-03	3.85E-03	6.23E-04	3.84E-04
1405	567162.96	4216662.35	4.49E-03	3.98E-03	6.45E-04	3.97E-04
1406	567177.45	4216666.91	4.64E-03	4.11E-03	6.66E-04	4.10E-04
1407	567191.94	4216671.46	4.79E-03	4.24E-03	6.87E-04	4.23E-04
1408	567089.85	4216641.86	3.86E-03	3.41E-03	5.53E-04	3.41E-04
1409	567104.9	4216634.11	3.69E-03	3.26E-03	5.29E-04	3.25E-04
1410	567119.2	4216638.6	3.80E-03	3.37E-03	5.45E-04	3.36E-04
1411	567133.5	4216643.09	3.93E-03	3.48E-03	5.63E-04	3.47E-04
1412	567147.8	4216647.59	4.06E-03	3.59E-03	5.82E-04	3.58E-04
1413	567162.1	4216652.08	4.19E-03	3.71E-03	6.01E-04	3.70E-04
1414	567176.4	4216656.58	4.32E-03	3.83E-03	6.20E-04	3.82E-04
1415	567190.7	4216661.07	4.46E-03	3.94E-03	6.39E-04	3.93E-04
1416	567089.85	4216631.86	3.62E-03	3.21E-03	5.20E-04	3.20E-04
1417	567105.26	4216624.22	3.47E-03	3.07E-03	4.98E-04	3.07E-04
1418	567120.27	4216628.94	3.59E-03	3.17E-03	5.14E-04	3.17E-04
1419	567135.29	4216633.66	3.70E-03	3.28E-03	5.31E-04	3.27E-04
1420	567150.3	4216638.38	3.83E-03	3.39E-03	5.49E-04	3.38E-04
1421	567165.32	4216643.09	3.96E-03	3.50E-03	5.67E-04	3.49E-04
1422	567180.34	4216647.81	4.08E-03	3.61E-03	5.85E-04	3.61E-04
1423	567089.85	4216621.86	3.41E-03	3.02E-03	4.89E-04	3.01E-04
1424	567105.15	4216614.19	3.28E-03	2.90E-03	4.70E-04	2.89E-04
1425	567119.96	4216618.84	3.38E-03	2.99E-03	4.85E-04	2.98E-04
1426	567134.76	4216623.49	3.48E-03	3.08E-03	5.00E-04	3.08E-04
1427	567149.57	4216628.14	3.59E-03	3.18E-03	5.15E-04	3.17E-04
1428	567164.37	4216632.8	3.71E-03	3.28E-03	5.32E-04	3.28E-04
1429	567179.18	4216637.45	3.82E-03	3.38E-03	5.48E-04	3.38E-04
1430	567208.79	4216646.75	4.04E-03	3.57E-03	5.79E-04	3.56E-04
1431	567119.68	4216608.75	3.19E-03	2.82E-03	4.58E-04	2.82E-04
1432	567134.3	4216613.34	3.29E-03	2.91E-03	4.71E-04	2.90E-04
1433	567148.91	4216617.94	3.39E-03	3.00E-03	4.85E-04	2.99E-04
1434	567163.53	4216622.53	3.49E-03	3.09E-03	5.00E-04	3.08E-04
1435	567178.15	4216627.13	3.59E-03	3.18E-03	5.15E-04	3.17E-04
1436	567207.39	4216636.31	3.78E-03	3.35E-03	5.42E-04	3.34E-04
1437	567104.98	4216594.13	2.93E-03	2.60E-03	4.21E-04	2.59E-04
1438	567148.33	4216607.75	3.20E-03	2.83E-03	4.58E-04	2.82E-04
1439	567162.78	4216612.3	3.29E-03	2.91E-03	4.71E-04	2.90E-04
1440	567177.23	4216616.84	3.38E-03	2.99E-03	4.84E-04	2.98E-04
1441	567206.13	4216625.92	3.55E-03	3.14E-03	5.09E-04	3.14E-04
1442	567220.58	4216630.46	3.64E-03	3.22E-03	5.22E-04	3.21E-04
1443	567089.85	4216591.86	2.89E-03	2.55E-03	4.14E-04	2.55E-04
1444	567105.28	4216584.23	2.78E-03	2.46E-03	3.99E-04	2.46E-04
1445	567120.33	4216588.96	2.87E-03	2.54E-03	4.11E-04	2.53E-04
1446	567165.49	4216603.15	3.12E-03	2.76E-03	4.48E-04	2.76E-04
1447	567195.6	4216612.61	3.29E-03	2.91E-03	4.72E-04	2.91E-04
1448	567210.65	4216617.34	3.38E-03	2.99E-03	4.84E-04	2.98E-04
1449	567225.7	4216622.07	3.46E-03	3.06E-03	4.96E-04	3.05E-04
1450	567089.85	4216581.86	2.74E-03	2.42E-03	3.93E-04	2.42E-04
1451	567105.19	4216574.2	2.65E-03	2.34E-03	3.79E-04	2.34E-04

1452	567120.06	4216578.87	2.72E-03	2.41E-03	3.90E-04	2.40E-04
1453	567134.93	4216583.54	2.80E-03	2.48E-03	4.02E-04	2.47E-04
1454	567194.42	4216602.24	3.11E-03	2.75E-03	4.46E-04	2.75E-04
1455	567209.29	4216606.91	3.18E-03	2.82E-03	4.57E-04	2.81E-04
1456	567224.17	4216611.59	3.26E-03	2.88E-03	4.67E-04	2.88E-04
1457	567089.85	4216571.86	2.61E-03	2.31E-03	3.74E-04	2.30E-04
1458	567105.1	4216564.17	2.52E-03	2.23E-03	3.61E-04	2.22E-04
1459	567119.81	4216568.79	2.59E-03	2.29E-03	3.71E-04	2.28E-04
1460	567134.52	4216573.42	2.66E-03	2.35E-03	3.82E-04	2.35E-04
1461	567149.23	4216578.04	2.73E-03	2.42E-03	3.92E-04	2.41E-04
1462	567193.36	4216591.91	2.94E-03	2.61E-03	4.22E-04	2.60E-04
1463	567208.07	4216596.53	3.01E-03	2.66E-03	4.32E-04	2.66E-04
1464	567222.78	4216601.15	3.08E-03	2.72E-03	4.41E-04	2.72E-04
1465	567237.49	4216605.77	3.14E-03	2.78E-03	4.51E-04	2.78E-04
1466	567089.85	4216561.86	2.48E-03	2.19E-03	3.56E-04	2.19E-04
1467	567105.03	4216554.15	2.40E-03	2.13E-03	3.44E-04	2.12E-04
1468	567119.59	4216558.72	2.47E-03	2.18E-03	3.54E-04	2.18E-04
1469	567134.15	4216563.3	2.53E-03	2.24E-03	3.63E-04	2.24E-04
1470	567148.71	4216567.87	2.60E-03	2.30E-03	3.73E-04	2.29E-04
1471	567163.27	4216572.45	2.66E-03	2.36E-03	3.82E-04	2.35E-04
1472	567206.95	4216586.18	2.85E-03	2.53E-03	4.09E-04	2.52E-04
1473	567221.51	4216590.75	2.91E-03	2.58E-03	4.18E-04	2.57E-04
1474	567236.07	4216595.33	2.97E-03	2.63E-03	4.26E-04	2.63E-04
1475	567089.85	4216551.86	2.36E-03	2.09E-03	3.39E-04	2.09E-04
1476	567104.96	4216544.13	2.29E-03	2.03E-03	3.29E-04	2.03E-04
1477	567119.39	4216548.66	2.35E-03	2.08E-03	3.37E-04	2.08E-04
1478	567133.81	4216553.19	2.41E-03	2.13E-03	3.46E-04	2.13E-04
1479	567148.24	4216557.73	2.47E-03	2.19E-03	3.55E-04	2.18E-04
1480	567162.66	4216562.26	2.53E-03	2.24E-03	3.63E-04	2.24E-04
1481	567177.09	4216566.79	2.59E-03	2.30E-03	3.72E-04	2.29E-04
1482	567205.94	4216575.86	2.71E-03	2.40E-03	3.89E-04	2.39E-04
1483	567220.36	4216580.39	2.77E-03	2.45E-03	3.97E-04	2.44E-04
1484	567234.79	4216584.92	2.82E-03	2.49E-03	4.04E-04	2.49E-04
1485	567249.21	4216589.46	2.87E-03	2.54E-03	4.12E-04	2.54E-04
1486	567089.85	4216541.86	2.26E-03	2.00E-03	3.24E-04	1.99E-04
1487	567105.21	4216534.2	2.19E-03	1.94E-03	3.14E-04	1.94E-04
1488	567120.13	4216538.89	2.25E-03	1.99E-03	3.23E-04	1.99E-04
1489	567135.06	4216543.58	2.31E-03	2.04E-03	3.31E-04	2.04E-04
1490	567149.98	4216548.27	2.37E-03	2.09E-03	3.39E-04	2.09E-04
1491	567164.9	4216552.96	2.42E-03	2.15E-03	3.48E-04	2.14E-04
1492	567179.82	4216557.65	2.48E-03	2.20E-03	3.56E-04	2.19E-04
1493	567194.74	4216562.34	2.54E-03	2.25E-03	3.64E-04	2.24E-04
1494	567209.67	4216567.03	2.60E-03	2.30E-03	3.72E-04	2.29E-04
1495	567224.59	4216571.72	2.65E-03	2.34E-03	3.80E-04	2.34E-04
1496	567239.51	4216576.41	2.70E-03	2.39E-03	3.87E-04	2.38E-04
1497	567254.43	4216581.1	2.75E-03	2.43E-03	3.94E-04	2.43E-04
1498	567089.85	4216531.86	2.16E-03	1.91E-03	3.10E-04	1.91E-04
1499	567105.14	4216524.18	2.10E-03	1.86E-03	3.01E-04	1.85E-04
1500	567119.92	4216528.83	2.15E-03	1.90E-03	3.09E-04	1.90E-04
1501	567134.69	4216533.47	2.21E-03	1.95E-03	3.16E-04	1.95E-04
1502	567149.47	4216538.11	2.26E-03	2.00E-03	3.24E-04	2.00E-04
1503	567164.25	4216542.76	2.31E-03	2.05E-03	3.32E-04	2.04E-04

1504	567179.02	4216547.4	2.37E-03	2.09E-03	3.39E-04	2.09E-04
1505	567193.8	4216552.04	2.42E-03	2.14E-03	3.47E-04	2.14E-04
1506	567208.58	4216556.69	2.47E-03	2.19E-03	3.55E-04	2.18E-04
1507	567223.36	4216561.33	2.52E-03	2.23E-03	3.61E-04	2.23E-04
1508	567238.13	4216565.98	2.57E-03	2.27E-03	3.68E-04	2.27E-04
1509	567252.91	4216570.62	2.61E-03	2.31E-03	3.75E-04	2.31E-04
1510	567089.85	4216521.86	2.07E-03	1.83E-03	2.97E-04	1.83E-04
1511	567073.65	4216820.13	3.00E-02	2.66E-02	4.31E-03	2.65E-03
1512	567067.94	4216828.01	3.59E-02	3.18E-02	5.15E-03	3.17E-03
1513	567062.23	4216835.9	4.25E-02	3.76E-02	6.09E-03	3.75E-03
1514	567056.52	4216843.78	4.90E-02	4.34E-02	7.03E-03	4.33E-03
1515	567050.8	4216851.67	5.49E-02	4.86E-02	7.87E-03	4.85E-03
1516	567045.09	4216859.55	5.99E-02	5.30E-02	8.58E-03	5.29E-03
1517	567039.38	4216867.44	6.41E-02	5.67E-02	9.19E-03	5.66E-03
1518	567033.67	4216875.32	6.76E-02	5.99E-02	9.70E-03	5.97E-03
1519	567027.96	4216883.21	7.08E-02	6.27E-02	1.02E-02	6.25E-03
1520	567022.24	4216891.09	7.36E-02	6.51E-02	1.05E-02	6.50E-03
1521	567016.53	4216898.98	7.57E-02	6.70E-02	1.09E-02	6.69E-03
1522	567010.82	4216906.86	7.71E-02	6.82E-02	1.11E-02	6.81E-03
1523	567005.11	4216914.75	7.76E-02	6.87E-02	1.11E-02	6.86E-03
1524	566999.39	4216922.63	7.75E-02	6.86E-02	1.11E-02	6.84E-03
1525	566993.68	4216930.52	7.66E-02	6.78E-02	1.10E-02	6.77E-03
1526	566987.97	4216938.4	7.51E-02	6.64E-02	1.08E-02	6.63E-03
1527	566982.26	4216946.29	7.24E-02	6.41E-02	1.04E-02	6.39E-03
1528	566976.55	4216954.17	6.84E-02	6.05E-02	9.80E-03	6.04E-03
1529	566970.83	4216962.06	6.30E-02	5.58E-02	9.03E-03	5.56E-03
1530	567070.88	4216809.7	2.36E-02	2.09E-02	3.38E-03	2.08E-03
1531	567059.84	4216822.14	3.00E-02	2.65E-02	4.30E-03	2.65E-03
1532	567054.13	4216830.03	3.47E-02	3.07E-02	4.98E-03	3.07E-03
1533	567048.42	4216837.91	3.96E-02	3.50E-02	5.68E-03	3.50E-03
1534	567042.71	4216845.8	4.42E-02	3.91E-02	6.34E-03	3.90E-03
1535	567036.99	4216853.68	4.83E-02	4.27E-02	6.93E-03	4.27E-03
1536	567031.28	4216861.57	5.19E-02	4.60E-02	7.45E-03	4.59E-03
1537	567025.57	4216869.45	5.51E-02	4.87E-02	7.89E-03	4.86E-03
1538	567019.86	4216877.34	5.78E-02	5.12E-02	8.29E-03	5.11E-03
1539	567014.15	4216885.22	6.03E-02	5.34E-02	8.65E-03	5.33E-03
1540	567008.43	4216893.11	6.23E-02	5.51E-02	8.93E-03	5.50E-03
1541	567002.72	4216900.99	6.36E-02	5.63E-02	9.12E-03	5.62E-03
1542	566997.01	4216908.88	6.44E-02	5.69E-02	9.23E-03	5.68E-03
1543	566991.3	4216916.76	6.46E-02	5.71E-02	9.26E-03	5.70E-03
1544	566985.58	4216924.65	6.42E-02	5.69E-02	9.21E-03	5.67E-03
1545	566979.87	4216932.53	6.32E-02	5.59E-02	9.07E-03	5.58E-03
1546	566974.16	4216940.42	6.14E-02	5.43E-02	8.80E-03	5.42E-03
1547	566968.45	4216948.3	5.86E-02	5.18E-02	8.40E-03	5.17E-03
1548	566962.74	4216956.19	5.50E-02	4.86E-02	7.88E-03	4.85E-03
1549	567064.56	4216802.31	2.03E-02	1.79E-02	2.91E-03	1.79E-03
1550	567057.46	4216808.39	2.24E-02	1.99E-02	3.22E-03	1.98E-03
1551	567051.74	4216816.28	2.57E-02	2.27E-02	3.68E-03	2.27E-03
1552	567046.03	4216824.16	2.93E-02	2.59E-02	4.20E-03	2.59E-03
1553	567040.32	4216832.05	3.30E-02	2.92E-02	4.73E-03	2.92E-03
1554	567034.61	4216839.93	3.67E-02	3.24E-02	5.26E-03	3.24E-03
1555	567028.9	4216847.82	4.01E-02	3.55E-02	5.75E-03	3.54E-03

1556	567023.18	4216855.7	4.32E-02	3.82E-02	6.19E-03	3.81E-03
1557	567017.47	4216863.59	4.60E-02	4.07E-02	6.60E-03	4.06E-03
1558	567011.76	4216871.47	4.85E-02	4.29E-02	6.95E-03	4.28E-03
1559	567006.05	4216879.36	5.06E-02	4.48E-02	7.26E-03	4.47E-03
1560	567000.33	4216887.24	5.24E-02	4.64E-02	7.51E-03	4.63E-03
1561	566994.62	4216895.13	5.37E-02	4.75E-02	7.69E-03	4.74E-03
1562	566988.91	4216903.01	5.45E-02	4.83E-02	7.82E-03	4.82E-03
1563	566983.2	4216910.9	5.50E-02	4.86E-02	7.88E-03	4.85E-03
1564	566977.49	4216918.78	5.49E-02	4.86E-02	7.87E-03	4.85E-03
1565	566971.77	4216926.67	5.42E-02	4.80E-02	7.77E-03	4.79E-03
1566	566966.06	4216934.55	5.29E-02	4.68E-02	7.59E-03	4.67E-03
1567	566960.35	4216942.44	5.10E-02	4.51E-02	7.31E-03	4.50E-03
1568	566954.64	4216950.32	4.84E-02	4.29E-02	6.95E-03	4.28E-03
1569	567055.28	4216797.46	1.84E-02	1.63E-02	2.64E-03	1.63E-03
1570	567074.7	4216785.5	1.54E-02	1.36E-02	2.20E-03	1.36E-03
1571	567043.65	4216810.41	2.24E-02	1.99E-02	3.22E-03	1.98E-03
1572	567037.93	4216818.3	2.53E-02	2.24E-02	3.62E-03	2.23E-03
1573	567032.22	4216826.18	2.82E-02	2.50E-02	4.05E-03	2.49E-03
1574	567026.51	4216834.07	3.12E-02	2.76E-02	4.47E-03	2.75E-03
1575	567020.8	4216841.95	3.40E-02	3.01E-02	4.88E-03	3.00E-03
1576	567015.09	4216849.84	3.67E-02	3.25E-02	5.26E-03	3.24E-03
1577	567009.37	4216857.72	3.92E-02	3.46E-02	5.61E-03	3.46E-03
1578	567003.66	4216865.61	4.14E-02	3.66E-02	5.93E-03	3.65E-03
1579	566997.95	4216873.49	4.32E-02	3.83E-02	6.20E-03	3.82E-03
1580	566992.24	4216881.38	4.48E-02	3.97E-02	6.43E-03	3.96E-03
1581	566986.52	4216889.26	4.61E-02	4.08E-02	6.61E-03	4.07E-03
1582	566980.81	4216897.15	4.69E-02	4.15E-02	6.73E-03	4.15E-03
1583	566975.1	4216905.03	4.74E-02	4.20E-02	6.80E-03	4.19E-03
1584	566969.39	4216912.92	4.75E-02	4.20E-02	6.81E-03	4.20E-03
1585	566963.68	4216920.8	4.71E-02	4.17E-02	6.76E-03	4.16E-03
1586	566957.96	4216928.69	4.62E-02	4.09E-02	6.63E-03	4.08E-03
1587	566952.25	4216936.57	4.49E-02	3.97E-02	6.43E-03	3.96E-03
1588	566946.54	4216944.46	4.31E-02	3.81E-02	6.17E-03	3.80E-03
1589	567048.36	4216790.58	1.63E-02	1.45E-02	2.34E-03	1.44E-03
1590	567055.47	4216784.5	1.50E-02	1.33E-02	2.15E-03	1.33E-03
1591	567071.67	4216776.23	1.34E-02	1.18E-02	1.92E-03	1.18E-03
1592	567041.26	4216796.66	1.78E-02	1.57E-02	2.55E-03	1.57E-03
1593	567035.55	4216804.54	1.99E-02	1.76E-02	2.85E-03	1.75E-03
1594	567029.84	4216812.43	2.22E-02	1.96E-02	3.18E-03	1.96E-03
1595	567024.12	4216820.31	2.46E-02	2.18E-02	3.53E-03	2.17E-03
1596	567018.41	4216828.2	2.70E-02	2.39E-02	3.87E-03	2.38E-03
1597	567012.7	4216836.08	2.94E-02	2.60E-02	4.21E-03	2.59E-03
1598	567006.99	4216843.97	3.17E-02	2.80E-02	4.54E-03	2.80E-03
1599	567001.27	4216851.85	3.38E-02	2.99E-02	4.85E-03	2.99E-03
1600	566995.56	4216859.74	3.57E-02	3.16E-02	5.12E-03	3.16E-03
1601	566989.85	4216867.62	3.74E-02	3.31E-02	5.37E-03	3.30E-03
1602	566984.14	4216875.51	3.89E-02	3.44E-02	5.57E-03	3.43E-03
1603	566978.43	4216883.39	4.00E-02	3.54E-02	5.74E-03	3.53E-03
1604	566972.71	4216891.28	4.09E-02	3.62E-02	5.86E-03	3.61E-03
1605	566967	4216899.16	4.14E-02	3.66E-02	5.94E-03	3.66E-03
1606	566961.29	4216907.05	4.16E-02	3.68E-02	5.96E-03	3.67E-03
1607	566955.58	4216914.93	4.14E-02	3.66E-02	5.93E-03	3.65E-03

1608	566949.86	4216922.82	4.08E-02	3.61E-02	5.85E-03	3.60E-03
1609	566944.15	4216930.7	3.98E-02	3.53E-02	5.71E-03	3.52E-03
1610	566938.44	4216938.59	3.85E-02	3.41E-02	5.52E-03	3.40E-03
1611	567039.38	4216785.47	1.50E-02	1.32E-02	2.15E-03	1.32E-03
1612	567051.81	4216774.83	1.30E-02	1.15E-02	1.87E-03	1.15E-03
1613	567065.98	4216767.6	1.19E-02	1.05E-02	1.70E-03	1.05E-03
1614	567027.45	4216798.68	1.78E-02	1.57E-02	2.55E-03	1.57E-03
1615	567021.74	4216806.56	1.97E-02	1.74E-02	2.82E-03	1.74E-03
1616	567016.03	4216814.45	2.17E-02	1.92E-02	3.11E-03	1.91E-03
1617	567010.31	4216822.33	2.37E-02	2.10E-02	3.40E-03	2.09E-03
1618	567004.6	4216830.22	2.57E-02	2.27E-02	3.68E-03	2.27E-03
1619	566998.89	4216838.1	2.77E-02	2.45E-02	3.97E-03	2.44E-03
1620	566993.18	4216845.99	2.96E-02	2.61E-02	4.24E-03	2.61E-03
1621	566987.46	4216853.87	3.12E-02	2.76E-02	4.48E-03	2.76E-03
1622	566981.75	4216861.76	3.27E-02	2.90E-02	4.69E-03	2.89E-03
1623	566976.04	4216869.64	3.40E-02	3.01E-02	4.88E-03	3.01E-03
1624	566970.33	4216877.53	3.51E-02	3.11E-02	5.03E-03	3.10E-03
1625	566964.62	4216885.41	3.59E-02	3.18E-02	5.15E-03	3.17E-03
1626	566958.9	4216893.3	3.65E-02	3.23E-02	5.23E-03	3.22E-03
1627	566953.19	4216901.18	3.67E-02	3.25E-02	5.27E-03	3.24E-03
1628	566947.48	4216909.07	3.67E-02	3.24E-02	5.26E-03	3.24E-03
1629	566941.77	4216916.95	3.63E-02	3.21E-02	5.21E-03	3.21E-03
1630	566936.05	4216924.84	3.56E-02	3.15E-02	5.11E-03	3.15E-03
1631	566930.34	4216932.72	3.47E-02	3.07E-02	4.97E-03	3.06E-03
1632	567032.17	4216778.85	1.35E-02	1.20E-02	1.94E-03	1.19E-03
1633	567039.27	4216772.77	1.26E-02	1.11E-02	1.80E-03	1.11E-03
1634	567046.38	4216766.68	1.17E-02	1.03E-02	1.67E-03	1.03E-03
1635	567062.57	4216758.42	1.06E-02	9.34E-03	1.51E-03	9.32E-04
1636	567025.06	4216784.93	1.45E-02	1.29E-02	2.08E-03	1.28E-03
1637	567019.35	4216792.81	1.60E-02	1.42E-02	2.30E-03	1.42E-03
1638	567013.64	4216800.7	1.76E-02	1.56E-02	2.53E-03	1.56E-03
1639	567007.93	4216808.58	1.93E-02	1.71E-02	2.77E-03	1.70E-03
1640	567002.22	4216816.47	2.10E-02	1.86E-02	3.01E-03	1.85E-03
1641	566996.5	4216824.35	2.27E-02	2.01E-02	3.26E-03	2.00E-03
1642	566990.79	4216832.24	2.44E-02	2.16E-02	3.50E-03	2.16E-03
1643	566985.08	4216840.12	2.61E-02	2.31E-02	3.74E-03	2.30E-03
1644	566979.37	4216848.01	2.76E-02	2.44E-02	3.95E-03	2.44E-03
1645	566973.65	4216855.89	2.89E-02	2.56E-02	4.15E-03	2.55E-03
1646	566967.94	4216863.78	3.01E-02	2.66E-02	4.31E-03	2.66E-03
1647	566962.23	4216871.66	3.11E-02	2.75E-02	4.45E-03	2.74E-03
1648	566956.52	4216879.55	3.18E-02	2.82E-02	4.56E-03	2.81E-03
1649	566950.81	4216887.43	3.24E-02	2.86E-02	4.64E-03	2.86E-03
1650	566945.09	4216895.32	3.27E-02	2.89E-02	4.69E-03	2.89E-03
1651	566939.38	4216903.2	3.27E-02	2.90E-02	4.69E-03	2.89E-03
1652	566933.67	4216911.09	3.25E-02	2.88E-02	4.66E-03	2.87E-03
1653	566927.96	4216918.97	3.21E-02	2.84E-02	4.60E-03	2.83E-03
1654	566922.24	4216926.86	3.13E-02	2.77E-02	4.50E-03	2.77E-03
1655	567023.36	4216773.59	1.25E-02	1.11E-02	1.79E-03	1.10E-03
1656	567036.15	4216762.64	1.10E-02	9.75E-03	1.58E-03	9.73E-04
1657	567057.12	4216749.73	9.52E-03	8.43E-03	1.37E-03	8.41E-04
1658	567011.25	4216786.94	1.46E-02	1.29E-02	2.09E-03	1.29E-03
1659	567005.54	4216794.83	1.60E-02	1.41E-02	2.29E-03	1.41E-03

1660	566999.83	4216802.71	1.74E-02	1.54E-02	2.49E-03	1.53E-03
1661	566994.12	4216810.6	1.88E-02	1.66E-02	2.70E-03	1.66E-03
1662	566988.4	4216818.48	2.03E-02	1.79E-02	2.91E-03	1.79E-03
1663	566982.69	4216826.37	2.18E-02	1.93E-02	3.12E-03	1.92E-03
1664	566976.98	4216834.25	2.32E-02	2.05E-02	3.32E-03	2.05E-03
1665	566971.27	4216842.14	2.45E-02	2.17E-02	3.52E-03	2.17E-03
1666	566965.56	4216850.02	2.57E-02	2.28E-02	3.69E-03	2.27E-03
1667	566959.84	4216857.91	2.68E-02	2.37E-02	3.84E-03	2.37E-03
1668	566954.13	4216865.79	2.77E-02	2.45E-02	3.97E-03	2.44E-03
1669	566948.42	4216873.68	2.84E-02	2.51E-02	4.07E-03	2.51E-03
1670	566942.71	4216881.56	2.89E-02	2.56E-02	4.15E-03	2.56E-03
1671	566936.99	4216889.45	2.93E-02	2.59E-02	4.20E-03	2.58E-03
1672	566931.28	4216897.33	2.94E-02	2.60E-02	4.21E-03	2.60E-03
1673	566925.57	4216905.22	2.93E-02	2.59E-02	4.20E-03	2.59E-03
1674	566919.86	4216913.1	2.90E-02	2.57E-02	4.16E-03	2.56E-03
1675	566914.15	4216920.99	2.85E-02	2.52E-02	4.08E-03	2.52E-03
1676	567015.97	4216767.11	1.15E-02	1.01E-02	1.64E-03	1.01E-03
1677	567023.08	4216761.03	1.07E-02	9.49E-03	1.54E-03	9.47E-04
1678	567030.18	4216754.95	1.00E-02	8.88E-03	1.44E-03	8.86E-04
1679	567008.87	4216773.19	1.22E-02	1.08E-02	1.76E-03	1.08E-03
1680	567003.16	4216781.08	1.34E-02	1.18E-02	1.92E-03	1.18E-03
1681	566997.44	4216788.96	1.46E-02	1.29E-02	2.09E-03	1.28E-03
1682	566991.73	4216796.85	1.58E-02	1.40E-02	2.26E-03	1.39E-03
1683	566986.02	4216804.73	1.70E-02	1.51E-02	2.44E-03	1.50E-03
1684	566980.31	4216812.62	1.83E-02	1.62E-02	2.62E-03	1.61E-03
1685	566974.59	4216820.5	1.96E-02	1.73E-02	2.80E-03	1.73E-03
1686	566968.88	4216828.39	2.08E-02	1.84E-02	2.98E-03	1.84E-03
1687	566963.17	4216836.27	2.20E-02	1.94E-02	3.15E-03	1.94E-03
1688	566957.46	4216844.16	2.31E-02	2.04E-02	3.31E-03	2.04E-03
1689	566951.75	4216852.04	2.40E-02	2.13E-02	3.45E-03	2.12E-03
1690	566946.03	4216859.93	2.48E-02	2.20E-02	3.56E-03	2.19E-03
1691	566940.32	4216867.81	2.55E-02	2.26E-02	3.66E-03	2.25E-03
1692	566934.61	4216875.7	2.60E-02	2.30E-02	3.73E-03	2.30E-03
1693	566928.9	4216883.58	2.64E-02	2.33E-02	3.78E-03	2.33E-03
1694	566923.18	4216891.47	2.65E-02	2.35E-02	3.81E-03	2.34E-03
1695	566917.47	4216899.35	2.65E-02	2.35E-02	3.80E-03	2.34E-03
1696	566911.76	4216907.24	2.63E-02	2.33E-02	3.78E-03	2.33E-03
1697	566906.05	4216915.12	2.60E-02	2.30E-02	3.73E-03	2.29E-03
1698	567007.28	4216761.75	1.07E-02	9.47E-03	1.53E-03	9.45E-04
1699	566995.06	4216775.21	1.23E-02	1.09E-02	1.76E-03	1.09E-03
1700	566989.34	4216783.1	1.33E-02	1.18E-02	1.91E-03	1.18E-03
1701	566983.63	4216790.98	1.44E-02	1.28E-02	2.07E-03	1.27E-03
1702	566977.92	4216798.87	1.55E-02	1.37E-02	2.22E-03	1.37E-03
1703	566972.21	4216806.75	1.66E-02	1.47E-02	2.38E-03	1.47E-03
1704	566966.5	4216814.64	1.77E-02	1.57E-02	2.54E-03	1.56E-03
1705	566960.78	4216822.52	1.88E-02	1.66E-02	2.69E-03	1.66E-03
1706	566955.07	4216830.41	1.98E-02	1.75E-02	2.84E-03	1.75E-03
1707	566949.36	4216838.29	2.08E-02	1.84E-02	2.98E-03	1.84E-03
1708	566943.65	4216846.18	2.17E-02	1.92E-02	3.11E-03	1.91E-03
1709	566937.93	4216854.06	2.24E-02	1.98E-02	3.22E-03	1.98E-03
1710	566932.22	4216861.95	2.30E-02	2.04E-02	3.30E-03	2.03E-03
1711	566926.51	4216869.83	2.35E-02	2.08E-02	3.37E-03	2.08E-03

1712	566920.8	4216877.72	2.39E-02	2.11E-02	3.43E-03	2.11E-03
1713	566915.09	4216885.6	2.41E-02	2.13E-02	3.45E-03	2.13E-03
1714	566909.37	4216893.49	2.41E-02	2.14E-02	3.46E-03	2.13E-03
1715	566903.66	4216901.37	2.40E-02	2.13E-02	3.45E-03	2.12E-03
1716	566897.95	4216909.26	2.38E-02	2.11E-02	3.41E-03	2.10E-03
1717	567044.39	4216722.79	7.22E-03	6.39E-03	1.04E-03	6.38E-04
1718	567053.48	4216720.6	7.07E-03	6.26E-03	1.01E-03	6.25E-04
1719	567062.57	4216718.42	6.92E-03	6.12E-03	9.92E-04	6.11E-04
1720	567071.67	4216716.23	6.78E-03	6.00E-03	9.72E-04	5.98E-04
1721	567080.76	4216714.05	6.64E-03	5.88E-03	9.52E-04	5.86E-04
1722	566986.96	4216769.34	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1723	566981.25	4216777.23	1.23E-02	1.09E-02	1.76E-03	1.09E-03
1724	566975.53	4216785.11	1.33E-02	1.17E-02	1.90E-03	1.17E-03
1725	566969.82	4216793	1.42E-02	1.26E-02	2.04E-03	1.26E-03
1726	566964.11	4216800.88	1.52E-02	1.34E-02	2.18E-03	1.34E-03
1727	566958.4	4216808.77	1.61E-02	1.43E-02	2.31E-03	1.42E-03
1728	566952.69	4216816.65	1.71E-02	1.51E-02	2.45E-03	1.51E-03
1729	566946.97	4216824.54	1.80E-02	1.59E-02	2.58E-03	1.59E-03
1730	566941.26	4216832.42	1.89E-02	1.67E-02	2.70E-03	1.67E-03
1731	566935.55	4216840.31	1.97E-02	1.74E-02	2.82E-03	1.74E-03
1732	566929.84	4216848.19	2.03E-02	1.80E-02	2.92E-03	1.80E-03
1733	566924.12	4216856.08	2.09E-02	1.85E-02	3.00E-03	1.85E-03
1734	566918.41	4216863.96	2.14E-02	1.89E-02	3.06E-03	1.89E-03
1735	566912.7	4216871.85	2.17E-02	1.92E-02	3.12E-03	1.92E-03
1736	566906.99	4216879.73	2.20E-02	1.94E-02	3.15E-03	1.94E-03
1737	566901.28	4216887.62	2.21E-02	1.95E-02	3.16E-03	1.95E-03
1738	566895.56	4216895.5	2.20E-02	1.95E-02	3.16E-03	1.94E-03
1739	566889.85	4216903.39	2.19E-02	1.93E-02	3.13E-03	1.93E-03
1740	567004.36	4216738.65	8.38E-03	7.41E-03	1.20E-03	7.40E-04
1741	567017.56	4216727.36	7.54E-03	6.67E-03	1.08E-03	6.65E-04
1742	567039.19	4216714.04	6.67E-03	5.90E-03	9.56E-04	5.89E-04
1743	567056.08	4216709.98	6.42E-03	5.68E-03	9.21E-04	5.67E-04
1744	567072.96	4216705.92	6.19E-03	5.47E-03	8.87E-04	5.46E-04
1745	566973.15	4216771.36	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1746	566967.44	4216779.25	1.22E-02	1.08E-02	1.75E-03	1.08E-03
1747	566961.72	4216787.13	1.31E-02	1.16E-02	1.88E-03	1.16E-03
1748	566956.01	4216795.02	1.39E-02	1.23E-02	2.00E-03	1.23E-03
1749	566950.3	4216802.9	1.48E-02	1.31E-02	2.12E-03	1.31E-03
1750	566944.59	4216810.79	1.56E-02	1.38E-02	2.24E-03	1.38E-03
1751	566938.87	4216818.67	1.64E-02	1.45E-02	2.35E-03	1.45E-03
1752	566933.16	4216826.56	1.72E-02	1.52E-02	2.47E-03	1.52E-03
1753	566927.45	4216834.44	1.79E-02	1.58E-02	2.57E-03	1.58E-03
1754	566921.74	4216842.33	1.85E-02	1.64E-02	2.65E-03	1.63E-03
1755	566916.03	4216850.21	1.90E-02	1.69E-02	2.73E-03	1.68E-03
1756	566910.31	4216858.1	1.95E-02	1.72E-02	2.79E-03	1.72E-03
1757	566904.6	4216865.98	1.98E-02	1.76E-02	2.85E-03	1.75E-03
1758	566898.89	4216873.87	2.01E-02	1.78E-02	2.88E-03	1.78E-03
1759	566893.18	4216881.75	2.02E-02	1.79E-02	2.90E-03	1.79E-03
1760	566887.46	4216889.64	2.02E-02	1.79E-02	2.90E-03	1.79E-03
1761	566881.75	4216897.52	2.01E-02	1.78E-02	2.89E-03	1.78E-03
1762	566983.58	4216743.65	8.71E-03	7.71E-03	1.25E-03	7.69E-04
1763	566990.68	4216737.57	8.24E-03	7.29E-03	1.18E-03	7.28E-04

1764	566997.79	4216731.48	7.80E-03	6.90E-03	1.12E-03	6.88E-04
1765	567004.89	4216725.4	7.38E-03	6.53E-03	1.06E-03	6.52E-04
1766	567012	4216719.32	6.99E-03	6.19E-03	1.00E-03	6.18E-04
1767	567035.3	4216704.98	6.16E-03	5.45E-03	8.84E-04	5.44E-04
1768	567044.39	4216702.79	6.04E-03	5.35E-03	8.67E-04	5.34E-04
1769	567053.48	4216700.6	5.93E-03	5.25E-03	8.50E-04	5.24E-04
1770	567062.57	4216698.42	5.81E-03	5.15E-03	8.34E-04	5.13E-04
1771	567071.67	4216696.23	5.71E-03	5.05E-03	8.18E-04	5.04E-04
1772	567080.76	4216694.05	5.60E-03	4.96E-03	8.04E-04	4.95E-04
1773	566975.04	4216738.16	8.23E-03	7.28E-03	1.18E-03	7.27E-04
1774	566988.36	4216726.76	7.44E-03	6.59E-03	1.07E-03	6.57E-04
1775	567001.68	4216715.36	6.75E-03	5.97E-03	9.67E-04	5.96E-04
1776	567015	4216703.96	6.12E-03	5.42E-03	8.78E-04	5.41E-04
1777	567030.18	4216696.21	5.73E-03	5.07E-03	8.22E-04	5.06E-04
1778	567047.23	4216692.11	5.53E-03	4.90E-03	7.93E-04	4.89E-04
1779	567064.28	4216688.01	5.34E-03	4.73E-03	7.66E-04	4.72E-04
1780	566939.82	4216783.28	1.19E-02	1.05E-02	1.71E-03	1.05E-03
1781	566934.1	4216791.17	1.26E-02	1.11E-02	1.80E-03	1.11E-03
1782	566928.39	4216799.05	1.32E-02	1.17E-02	1.90E-03	1.17E-03
1783	566922.68	4216806.94	1.39E-02	1.23E-02	1.99E-03	1.23E-03
1784	566916.97	4216814.82	1.45E-02	1.28E-02	2.08E-03	1.28E-03
1785	566911.25	4216822.71	1.51E-02	1.33E-02	2.16E-03	1.33E-03
1786	566905.54	4216830.59	1.56E-02	1.38E-02	2.23E-03	1.37E-03
1787	566899.83	4216838.48	1.60E-02	1.42E-02	2.30E-03	1.41E-03
1788	566894.12	4216846.36	1.64E-02	1.45E-02	2.35E-03	1.45E-03
1789	566888.41	4216854.25	1.68E-02	1.48E-02	2.40E-03	1.48E-03
1790	566882.69	4216862.13	1.70E-02	1.51E-02	2.44E-03	1.50E-03
1791	566876.98	4216870.02	1.72E-02	1.52E-02	2.46E-03	1.52E-03
1792	566871.27	4216877.9	1.73E-02	1.53E-02	2.48E-03	1.52E-03
1793	566967.38	4216731.91	7.75E-03	6.86E-03	1.11E-03	6.84E-04
1794	566974.49	4216725.83	7.36E-03	6.52E-03	1.06E-03	6.50E-04
1795	566981.59	4216719.75	6.99E-03	6.19E-03	1.00E-03	6.18E-04
1796	566988.7	4216713.67	6.64E-03	5.88E-03	9.52E-04	5.86E-04
1797	566995.8	4216707.59	6.31E-03	5.58E-03	9.05E-04	5.57E-04
1798	567002.9	4216701.51	6.00E-03	5.31E-03	8.61E-04	5.30E-04
1799	567010.01	4216695.43	5.71E-03	5.05E-03	8.19E-04	5.04E-04
1800	567026.21	4216687.16	5.33E-03	4.72E-03	7.64E-04	4.71E-04
1801	567035.3	4216684.98	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1802	567044.39	4216682.79	5.14E-03	4.55E-03	7.37E-04	4.54E-04
1803	567053.48	4216680.6	5.05E-03	4.47E-03	7.24E-04	4.46E-04
1804	567062.57	4216678.42	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1805	567071.67	4216676.23	4.87E-03	4.31E-03	6.99E-04	4.30E-04
1806	567080.76	4216674.05	4.80E-03	4.24E-03	6.88E-04	4.23E-04
1807	566960.28	4216737.99	8.13E-03	7.20E-03	1.17E-03	7.18E-04
1808	566954.57	4216745.88	8.67E-03	7.67E-03	1.24E-03	7.66E-04
1809	566926	4216785.3	1.17E-02	1.03E-02	1.67E-03	1.03E-03
1810	566920.29	4216793.19	1.23E-02	1.09E-02	1.76E-03	1.08E-03
1811	566914.58	4216801.07	1.28E-02	1.14E-02	1.84E-03	1.13E-03
1812	566908.87	4216808.96	1.34E-02	1.19E-02	1.92E-03	1.18E-03
1813	566903.16	4216816.84	1.39E-02	1.23E-02	1.99E-03	1.23E-03
1814	566897.44	4216824.73	1.44E-02	1.27E-02	2.06E-03	1.27E-03
1815	566891.73	4216832.61	1.48E-02	1.31E-02	2.12E-03	1.31E-03

1816	566886.02	4216840.5	1.52E-02	1.34E-02	2.17E-03	1.34E-03
1817	566880.31	4216848.38	1.55E-02	1.37E-02	2.22E-03	1.37E-03
1818	566874.59	4216856.27	1.57E-02	1.39E-02	2.26E-03	1.39E-03
1819	566868.88	4216864.15	1.59E-02	1.41E-02	2.28E-03	1.40E-03
1820	566863.17	4216872.04	1.60E-02	1.42E-02	2.29E-03	1.41E-03
1821	566958.89	4216726.38	7.35E-03	6.50E-03	1.05E-03	6.49E-04
1822	566965.6	4216720.64	7.02E-03	6.21E-03	1.01E-03	6.20E-04
1823	566979.02	4216709.16	6.39E-03	5.66E-03	9.17E-04	5.64E-04
1824	566992.44	4216697.67	5.82E-03	5.15E-03	8.34E-04	5.14E-04
1825	567005.86	4216686.18	5.31E-03	4.70E-03	7.62E-04	4.69E-04
1826	567038.33	4216674.25	4.82E-03	4.26E-03	6.91E-04	4.25E-04
1827	567055.5	4216670.12	4.67E-03	4.13E-03	6.69E-04	4.12E-04
1828	567072.68	4216665.99	4.52E-03	4.00E-03	6.48E-04	3.99E-04
1829	566946.47	4216740.01	8.16E-03	7.22E-03	1.17E-03	7.21E-04
1830	566912.19	4216787.32	1.14E-02	1.01E-02	1.64E-03	1.01E-03
1831	566906.48	4216795.21	1.19E-02	1.06E-02	1.71E-03	1.05E-03
1832	566900.77	4216803.09	1.24E-02	1.10E-02	1.78E-03	1.10E-03
1833	566895.06	4216810.98	1.29E-02	1.14E-02	1.85E-03	1.14E-03
1834	566889.35	4216818.86	1.33E-02	1.18E-02	1.91E-03	1.18E-03
1835	566883.63	4216826.75	1.37E-02	1.21E-02	1.97E-03	1.21E-03
1836	566877.92	4216834.63	1.41E-02	1.24E-02	2.02E-03	1.24E-03
1837	566872.21	4216842.52	1.43E-02	1.27E-02	2.06E-03	1.27E-03
1838	566866.5	4216850.4	1.46E-02	1.29E-02	2.09E-03	1.29E-03
1839	566860.78	4216858.29	1.48E-02	1.31E-02	2.12E-03	1.30E-03
1840	566855.07	4216866.17	1.49E-02	1.32E-02	2.13E-03	1.31E-03
1841	566951.19	4216720.18	6.94E-03	6.14E-03	9.96E-04	6.13E-04
1842	566958.29	4216714.1	6.63E-03	5.87E-03	9.50E-04	5.85E-04
1843	566965.39	4216708.02	6.32E-03	5.59E-03	9.06E-04	5.58E-04
1844	566972.5	4216701.94	6.02E-03	5.33E-03	8.64E-04	5.32E-04
1845	566979.6	4216695.86	5.74E-03	5.08E-03	8.23E-04	5.07E-04
1846	566986.71	4216689.78	5.48E-03	4.85E-03	7.85E-04	4.84E-04
1847	566993.81	4216683.7	5.22E-03	4.62E-03	7.49E-04	4.61E-04
1848	567000.92	4216677.62	4.98E-03	4.41E-03	7.15E-04	4.40E-04
1849	567026.21	4216667.16	4.58E-03	4.05E-03	6.57E-04	4.05E-04
1850	567035.3	4216664.98	4.50E-03	3.98E-03	6.46E-04	3.98E-04
1851	567044.39	4216662.79	4.43E-03	3.92E-03	6.35E-04	3.91E-04
1852	567053.48	4216660.6	4.36E-03	3.86E-03	6.25E-04	3.85E-04
1853	567062.57	4216658.42	4.29E-03	3.80E-03	6.15E-04	3.79E-04
1854	567071.67	4216656.23	4.23E-03	3.74E-03	6.06E-04	3.73E-04
1855	567080.76	4216654.05	4.17E-03	3.69E-03	5.98E-04	3.68E-04
1856	566944.08	4216726.26	7.26E-03	6.43E-03	1.04E-03	6.41E-04
1857	566926.94	4216749.91	8.65E-03	7.65E-03	1.24E-03	7.64E-04
1858	566921.23	4216757.8	9.14E-03	8.09E-03	1.31E-03	8.07E-04
1859	566892.67	4216797.22	1.16E-02	1.02E-02	1.66E-03	1.02E-03
1860	566886.96	4216805.11	1.20E-02	1.06E-02	1.72E-03	1.06E-03
1861	566881.25	4216812.99	1.24E-02	1.10E-02	1.78E-03	1.09E-03
1862	566875.53	4216820.88	1.28E-02	1.13E-02	1.83E-03	1.13E-03
1863	566869.82	4216828.76	1.31E-02	1.16E-02	1.87E-03	1.15E-03
1864	566864.11	4216836.65	1.33E-02	1.18E-02	1.91E-03	1.18E-03
1865	566858.4	4216844.53	1.36E-02	1.20E-02	1.95E-03	1.20E-03
1866	566852.69	4216852.42	1.37E-02	1.22E-02	1.97E-03	1.21E-03
1867	566846.97	4216860.3	1.39E-02	1.23E-02	1.99E-03	1.22E-03

1868	566942.73	4216714.62	6.61E-03	5.85E-03	9.47E-04	5.83E-04
1869	566956.23	4216703.06	6.06E-03	5.37E-03	8.69E-04	5.35E-04
1870	566969.73	4216691.51	5.55E-03	4.91E-03	7.96E-04	4.90E-04
1871	566976.48	4216685.73	5.32E-03	4.70E-03	7.62E-04	4.69E-04
1872	566989.98	4216674.18	4.87E-03	4.31E-03	6.99E-04	4.30E-04
1873	567029.39	4216656.4	4.24E-03	3.75E-03	6.08E-04	3.75E-04
1874	567046.66	4216652.24	4.12E-03	3.64E-03	5.90E-04	3.63E-04
1875	567063.94	4216648.09	4.00E-03	3.54E-03	5.74E-04	3.53E-04
1876	566924.56	4216736.16	7.71E-03	6.83E-03	1.11E-03	6.81E-04
1877	566918.85	4216744.05	8.15E-03	7.21E-03	1.17E-03	7.20E-04
1878	566913.13	4216751.93	8.60E-03	7.61E-03	1.23E-03	7.59E-04
1879	566907.42	4216759.82	9.06E-03	8.01E-03	1.30E-03	8.00E-04
1880	566901.71	4216767.7	9.51E-03	8.41E-03	1.36E-03	8.39E-04
1881	566878.86	4216799.24	1.12E-02	9.90E-03	1.60E-03	9.88E-04
1882	566873.15	4216807.13	1.16E-02	1.02E-02	1.66E-03	1.02E-03
1883	566867.44	4216815.01	1.19E-02	1.05E-02	1.71E-03	1.05E-03
1884	566861.72	4216822.9	1.22E-02	1.08E-02	1.75E-03	1.08E-03
1885	566856.01	4216830.78	1.25E-02	1.10E-02	1.79E-03	1.10E-03
1886	566850.3	4216838.67	1.27E-02	1.12E-02	1.82E-03	1.12E-03
1887	566844.59	4216846.55	1.28E-02	1.14E-02	1.84E-03	1.13E-03
1888	566838.88	4216854.44	1.30E-02	1.15E-02	1.86E-03	1.14E-03
1889	566942.09	4216702.36	6.01E-03	5.32E-03	8.61E-04	5.30E-04
1890	566949.2	4216696.28	5.75E-03	5.09E-03	8.24E-04	5.08E-04
1891	566956.3	4216690.2	5.50E-03	4.87E-03	7.88E-04	4.85E-04
1892	566963.41	4216684.12	5.26E-03	4.65E-03	7.54E-04	4.64E-04
1893	566970.51	4216678.04	5.03E-03	4.45E-03	7.21E-04	4.44E-04
1894	566977.62	4216671.96	4.81E-03	4.26E-03	6.90E-04	4.25E-04
1895	566984.72	4216665.88	4.60E-03	4.07E-03	6.60E-04	4.06E-04
1896	566991.82	4216659.8	4.40E-03	3.89E-03	6.31E-04	3.88E-04
1897	567017.11	4216649.35	4.06E-03	3.59E-03	5.82E-04	3.58E-04
1898	567026.21	4216647.16	3.99E-03	3.53E-03	5.72E-04	3.52E-04
1899	567035.3	4216644.98	3.92E-03	3.47E-03	5.63E-04	3.46E-04
1900	567044.39	4216642.79	3.86E-03	3.42E-03	5.54E-04	3.41E-04
1901	567053.48	4216640.6	3.81E-03	3.37E-03	5.46E-04	3.36E-04
1902	567062.57	4216638.42	3.76E-03	3.33E-03	5.39E-04	3.32E-04
1903	567071.67	4216636.23	3.71E-03	3.28E-03	5.32E-04	3.28E-04
1904	567080.76	4216634.05	3.67E-03	3.25E-03	5.26E-04	3.24E-04
1905	566922.17	4216722.41	6.91E-03	6.12E-03	9.91E-04	6.10E-04
1906	566916.46	4216730.3	7.30E-03	6.46E-03	1.05E-03	6.45E-04
1907	566910.75	4216738.18	7.70E-03	6.81E-03	1.10E-03	6.80E-04
1908	566905.04	4216746.07	8.11E-03	7.18E-03	1.16E-03	7.16E-04
1909	566899.32	4216753.95	8.52E-03	7.54E-03	1.22E-03	7.52E-04
1910	566893.61	4216761.84	8.93E-03	7.90E-03	1.28E-03	7.88E-04
1911	566887.9	4216769.72	9.33E-03	8.25E-03	1.34E-03	8.24E-04
1912	566865.05	4216801.26	1.08E-02	9.56E-03	1.55E-03	9.54E-04
1913	566859.34	4216809.15	1.11E-02	9.84E-03	1.59E-03	9.82E-04
1914	566853.63	4216817.03	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1915	566847.91	4216824.92	1.16E-02	1.03E-02	1.67E-03	1.03E-03
1916	566842.2	4216832.8	1.19E-02	1.05E-02	1.70E-03	1.05E-03
1917	566836.49	4216840.69	1.20E-02	1.06E-02	1.72E-03	1.06E-03
1918	566830.78	4216848.57	1.21E-02	1.07E-02	1.74E-03	1.07E-03
1919	566940.13	4216691.25	5.53E-03	4.89E-03	7.93E-04	4.88E-04

1920	566953.69	4216679.64	5.09E-03	4.51E-03	7.31E-04	4.50E-04
1921	566967.26	4216668.03	4.69E-03	4.15E-03	6.72E-04	4.14E-04
1922	566974.04	4216662.23	4.50E-03	3.98E-03	6.45E-04	3.97E-04
1923	566987.6	4216650.62	4.14E-03	3.66E-03	5.93E-04	3.65E-04
1924	567020.42	4216638.55	3.77E-03	3.34E-03	5.41E-04	3.33E-04
1925	567037.78	4216634.38	3.66E-03	3.24E-03	5.25E-04	3.24E-04
1926	567055.13	4216630.21	3.57E-03	3.16E-03	5.12E-04	3.15E-04
1927	567072.49	4216626.03	3.49E-03	3.09E-03	5.00E-04	3.08E-04
1928	566914.07	4216716.54	6.56E-03	5.81E-03	9.41E-04	5.79E-04
1929	566908.36	4216724.43	6.92E-03	6.12E-03	9.92E-04	6.11E-04
1930	566902.65	4216732.31	7.29E-03	6.45E-03	1.04E-03	6.43E-04
1931	566896.94	4216740.2	7.66E-03	6.77E-03	1.10E-03	6.76E-04
1932	566891.23	4216748.08	8.03E-03	7.10E-03	1.15E-03	7.09E-04
1933	566885.51	4216755.97	8.40E-03	7.43E-03	1.20E-03	7.42E-04
1934	566879.8	4216763.85	8.77E-03	7.76E-03	1.26E-03	7.74E-04
1935	566874.09	4216771.74	9.13E-03	8.08E-03	1.31E-03	8.06E-04
1936	566845.53	4216811.16	1.07E-02	9.45E-03	1.53E-03	9.43E-04
1937	566839.82	4216819.05	1.09E-02	9.66E-03	1.57E-03	9.64E-04
1938	566834.1	4216826.93	1.11E-02	9.84E-03	1.59E-03	9.82E-04
1939	566828.39	4216834.82	1.13E-02	9.98E-03	1.62E-03	9.96E-04
1940	566822.68	4216842.7	1.14E-02	1.01E-02	1.64E-03	1.01E-03
1941	566933	4216684.55	5.27E-03	4.66E-03	7.55E-04	4.65E-04
1942	566940.11	4216678.47	5.05E-03	4.47E-03	7.24E-04	4.46E-04
1943	566947.21	4216672.39	4.85E-03	4.29E-03	6.95E-04	4.28E-04
1944	566954.32	4216666.31	4.64E-03	4.11E-03	6.66E-04	4.10E-04
1945	566961.42	4216660.23	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1946	566968.52	4216654.15	4.26E-03	3.77E-03	6.11E-04	3.76E-04
1947	566975.63	4216648.07	4.08E-03	3.61E-03	5.85E-04	3.61E-04
1948	566911.69	4216702.79	5.92E-03	5.24E-03	8.49E-04	5.23E-04
1949	566905.98	4216710.68	6.24E-03	5.52E-03	8.94E-04	5.51E-04
1950	566900.26	4216718.56	6.57E-03	5.81E-03	9.42E-04	5.80E-04
1951	566894.55	4216726.45	6.90E-03	6.11E-03	9.90E-04	6.10E-04
1952	566888.84	4216734.33	7.24E-03	6.41E-03	1.04E-03	6.39E-04
1953	566883.13	4216742.22	7.58E-03	6.71E-03	1.09E-03	6.69E-04
1954	566877.42	4216750.1	7.92E-03	7.01E-03	1.14E-03	7.00E-04
1955	566871.7	4216757.99	8.26E-03	7.31E-03	1.18E-03	7.29E-04
1956	566865.99	4216765.87	8.59E-03	7.60E-03	1.23E-03	7.59E-04
1957	566860.28	4216773.76	8.92E-03	7.89E-03	1.28E-03	7.87E-04
1958	566831.72	4216813.18	1.03E-02	9.08E-03	1.47E-03	9.06E-04
1959	566826.01	4216821.07	1.04E-02	9.25E-03	1.50E-03	9.23E-04
1960	566820.29	4216828.95	1.06E-02	9.39E-03	1.52E-03	9.37E-04
1961	566814.58	4216836.84	1.07E-02	9.50E-03	1.54E-03	9.47E-04
1962	566910.4	4216691.1	5.45E-03	4.82E-03	7.81E-04	4.81E-04
1963	566930.82	4216673.62	4.88E-03	4.32E-03	7.00E-04	4.31E-04
1964	566944.44	4216661.96	4.52E-03	4.00E-03	6.47E-04	3.99E-04
1965	566951.25	4216656.14	4.34E-03	3.84E-03	6.22E-04	3.83E-04
1966	567011.43	4216620.72	3.39E-03	3.00E-03	4.86E-04	2.99E-04
1967	566903.59	4216696.93	5.65E-03	5.00E-03	8.09E-04	4.98E-04
1968	566897.88	4216704.81	5.94E-03	5.26E-03	8.52E-04	5.24E-04
1969	566892.17	4216712.7	6.24E-03	5.52E-03	8.95E-04	5.51E-04
1970	566886.45	4216720.58	6.55E-03	5.80E-03	9.39E-04	5.78E-04
1971	566880.74	4216728.47	6.86E-03	6.07E-03	9.84E-04	6.06E-04

1972	566875.03	4216736.35	7.17E-03	6.35E-03	1.03E-03	6.33E-04
1973	566869.32	4216744.24	7.49E-03	6.63E-03	1.07E-03	6.61E-04
1974	566863.6	4216752.12	7.80E-03	6.90E-03	1.12E-03	6.89E-04
1975	566857.89	4216760.01	8.10E-03	7.17E-03	1.16E-03	7.16E-04
1976	566840.76	4216783.66	8.96E-03	7.93E-03	1.28E-03	7.91E-04
1977	566817.91	4216815.2	9.84E-03	8.71E-03	1.41E-03	8.69E-04
1978	566812.19	4216823.09	9.99E-03	8.84E-03	1.43E-03	8.82E-04
1979	566806.48	4216830.97	1.01E-02	8.95E-03	1.45E-03	8.93E-04
1980	566902.6	4216684.98	5.20E-03	4.61E-03	7.46E-04	4.60E-04
1981	566909.7	4216678.9	5.02E-03	4.44E-03	7.19E-04	4.43E-04
1982	566931.01	4216660.66	4.48E-03	3.96E-03	6.42E-04	3.95E-04
1983	566959.43	4216636.33	3.81E-03	3.37E-03	5.46E-04	3.36E-04
1984	566966.54	4216630.25	3.65E-03	3.23E-03	5.24E-04	3.23E-04
1985	566973.64	4216624.17	3.51E-03	3.11E-03	5.03E-04	3.10E-04
1986	566989.84	4216615.91	3.32E-03	2.94E-03	4.76E-04	2.93E-04
1987	567008.02	4216611.54	3.22E-03	2.85E-03	4.61E-04	2.84E-04
1988	567017.11	4216609.35	3.17E-03	2.80E-03	4.54E-04	2.80E-04
1989	567026.21	4216607.16	3.13E-03	2.77E-03	4.48E-04	2.76E-04
1990	567035.3	4216604.98	3.08E-03	2.73E-03	4.42E-04	2.72E-04
1991	567044.39	4216602.79	3.05E-03	2.70E-03	4.37E-04	2.69E-04
1992	567053.48	4216600.6	3.01E-03	2.66E-03	4.32E-04	2.66E-04
1993	567062.57	4216598.42	2.97E-03	2.63E-03	4.27E-04	2.63E-04
1994	567071.67	4216596.23	2.94E-03	2.60E-03	4.22E-04	2.60E-04
1995	567080.76	4216594.05	2.91E-03	2.58E-03	4.18E-04	2.57E-04
1996	566895.49	4216691.06	5.40E-03	4.77E-03	7.74E-04	4.76E-04
1997	566889.78	4216698.94	5.66E-03	5.01E-03	8.12E-04	5.00E-04
1998	566884.07	4216706.83	5.94E-03	5.26E-03	8.52E-04	5.25E-04
1999	566878.36	4216714.71	6.23E-03	5.51E-03	8.93E-04	5.50E-04
2000	566872.64	4216722.6	6.51E-03	5.76E-03	9.34E-04	5.75E-04
2001	566866.93	4216730.48	6.80E-03	6.02E-03	9.75E-04	6.00E-04
2002	566861.22	4216738.37	7.09E-03	6.27E-03	1.02E-03	6.26E-04
2003	566855.51	4216746.25	7.38E-03	6.53E-03	1.06E-03	6.51E-04
2004	566838.37	4216769.91	8.20E-03	7.26E-03	1.18E-03	7.24E-04
2005	566832.66	4216777.79	8.46E-03	7.48E-03	1.21E-03	7.47E-04
2006	566826.95	4216785.68	8.69E-03	7.69E-03	1.25E-03	7.68E-04
2007	566798.38	4216825.1	9.55E-03	8.45E-03	1.37E-03	8.44E-04
2008	566894.22	4216679.35	4.99E-03	4.42E-03	7.16E-04	4.41E-04
2009	566901.06	4216673.5	4.82E-03	4.27E-03	6.92E-04	4.26E-04
2010	566907.89	4216667.65	4.66E-03	4.12E-03	6.68E-04	4.11E-04
2011	566942.04	4216638.42	3.88E-03	3.43E-03	5.56E-04	3.43E-04
2012	566948.87	4216632.57	3.73E-03	3.30E-03	5.35E-04	3.30E-04
2013	566955.71	4216626.73	3.59E-03	3.18E-03	5.15E-04	3.17E-04
2014	566969.37	4216615.03	3.33E-03	2.95E-03	4.77E-04	2.94E-04
2015	566984.94	4216607.08	3.16E-03	2.79E-03	4.53E-04	2.79E-04
2016	567002.43	4216602.88	3.06E-03	2.71E-03	4.39E-04	2.71E-04
2017	567019.91	4216598.68	2.98E-03	2.64E-03	4.28E-04	2.64E-04
2018	567037.4	4216594.47	2.91E-03	2.58E-03	4.17E-04	2.57E-04
2019	567054.88	4216590.27	2.85E-03	2.52E-03	4.08E-04	2.51E-04
2020	567063.62	4216588.17	2.82E-03	2.49E-03	4.04E-04	2.49E-04
2021	566881.68	4216693.08	5.41E-03	4.79E-03	7.76E-04	4.78E-04
2022	566875.97	4216700.96	5.67E-03	5.02E-03	8.13E-04	5.00E-04
2023	566870.26	4216708.85	5.93E-03	5.25E-03	8.50E-04	5.23E-04

2024	566864.54	4216716.73	6.19E-03	5.48E-03	8.88E-04	5.47E-04
2025	566858.83	4216724.62	6.46E-03	5.71E-03	9.26E-04	5.70E-04
2026	566853.12	4216732.5	6.72E-03	5.95E-03	9.64E-04	5.94E-04
2027	566847.41	4216740.39	6.99E-03	6.19E-03	1.00E-03	6.17E-04
2028	566835.98	4216756.16	7.51E-03	6.65E-03	1.08E-03	6.63E-04
2029	566830.27	4216764.04	7.76E-03	6.86E-03	1.11E-03	6.85E-04
2030	566824.56	4216771.93	7.99E-03	7.07E-03	1.15E-03	7.06E-04
2031	566818.85	4216779.81	8.22E-03	7.27E-03	1.18E-03	7.26E-04
2032	566813.13	4216787.7	8.42E-03	7.45E-03	1.21E-03	7.44E-04
2033	566886.4	4216673.25	4.78E-03	4.23E-03	6.86E-04	4.22E-04
2034	566921.92	4216642.84	3.99E-03	3.53E-03	5.73E-04	3.53E-04
2035	566929.03	4216636.76	3.85E-03	3.41E-03	5.52E-04	3.40E-04
2036	566936.13	4216630.68	3.70E-03	3.28E-03	5.31E-04	3.27E-04
2037	566943.24	4216624.6	3.56E-03	3.15E-03	5.11E-04	3.15E-04
2038	566950.34	4216618.52	3.43E-03	3.03E-03	4.91E-04	3.03E-04
2039	566957.44	4216612.44	3.30E-03	2.92E-03	4.73E-04	2.91E-04
2040	566964.55	4216606.36	3.17E-03	2.81E-03	4.55E-04	2.80E-04
2041	566980.75	4216598.09	3.00E-03	2.66E-03	4.31E-04	2.65E-04
2042	567008.02	4216591.54	2.87E-03	2.54E-03	4.12E-04	2.54E-04
2043	567017.11	4216589.35	2.84E-03	2.51E-03	4.07E-04	2.51E-04
2044	567026.21	4216587.16	2.80E-03	2.48E-03	4.02E-04	2.48E-04
2045	567035.3	4216584.98	2.77E-03	2.45E-03	3.97E-04	2.44E-04
2046	567044.39	4216582.79	2.73E-03	2.42E-03	3.92E-04	2.41E-04
2047	567053.48	4216580.6	2.70E-03	2.39E-03	3.88E-04	2.39E-04
2048	567062.57	4216578.42	2.68E-03	2.37E-03	3.84E-04	2.36E-04
2049	567071.67	4216576.23	2.65E-03	2.35E-03	3.80E-04	2.34E-04
2050	567080.76	4216574.05	2.63E-03	2.33E-03	3.77E-04	2.32E-04
2051	566879.3	4216679.33	4.95E-03	4.38E-03	7.10E-04	4.37E-04
2052	566873.58	4216687.21	5.18E-03	4.58E-03	7.43E-04	4.57E-04
2053	566867.87	4216695.1	5.41E-03	4.79E-03	7.76E-04	4.78E-04
2054	566862.16	4216702.98	5.65E-03	5.00E-03	8.10E-04	4.99E-04
2055	566856.45	4216710.87	5.90E-03	5.22E-03	8.45E-04	5.21E-04
2056	566850.73	4216718.75	6.14E-03	5.44E-03	8.81E-04	5.42E-04
2057	566845.02	4216726.64	6.39E-03	5.65E-03	9.16E-04	5.64E-04
2058	566827.89	4216750.29	7.12E-03	6.30E-03	1.02E-03	6.29E-04
2059	566822.17	4216758.18	7.35E-03	6.50E-03	1.05E-03	6.49E-04
2060	566816.46	4216766.06	7.57E-03	6.70E-03	1.09E-03	6.69E-04
2061	566810.75	4216773.95	7.78E-03	6.88E-03	1.12E-03	6.87E-04
2062	566805.04	4216781.83	7.97E-03	7.06E-03	1.14E-03	7.04E-04
2063	566799.32	4216789.72	8.15E-03	7.21E-03	1.17E-03	7.20E-04
2064	566793.61	4216797.6	8.31E-03	7.35E-03	1.19E-03	7.34E-04
2065	566900.71	4216648.2	4.12E-03	3.64E-03	5.90E-04	3.63E-04
2066	566922.84	4216629.26	3.68E-03	3.26E-03	5.28E-04	3.25E-04
2067	566930.22	4216622.94	3.54E-03	3.13E-03	5.08E-04	3.13E-04
2068	566937.6	4216616.63	3.41E-03	3.01E-03	4.88E-04	3.01E-04
2069	566944.97	4216610.32	3.27E-03	2.90E-03	4.70E-04	2.89E-04
2070	566952.35	4216604	3.15E-03	2.79E-03	4.51E-04	2.78E-04
2071	566959.73	4216597.69	3.03E-03	2.68E-03	4.34E-04	2.67E-04
2072	566976.55	4216589.1	2.86E-03	2.53E-03	4.11E-04	2.53E-04
2073	567004.87	4216582.29	2.74E-03	2.42E-03	3.93E-04	2.42E-04
2074	567014.32	4216580.02	2.70E-03	2.39E-03	3.88E-04	2.39E-04
2075	567023.76	4216577.75	2.67E-03	2.36E-03	3.83E-04	2.36E-04

2076	567033.2	4216575.48	2.64E-03	2.33E-03	3.78E-04	2.33E-04
2077	567042.64	4216573.21	2.60E-03	2.30E-03	3.73E-04	2.30E-04
2078	567052.08	4216570.94	2.57E-03	2.28E-03	3.69E-04	2.27E-04
2079	567061.52	4216568.67	2.55E-03	2.26E-03	3.65E-04	2.25E-04
2080	567070.97	4216566.4	2.52E-03	2.23E-03	3.62E-04	2.23E-04
2081	567080.41	4216564.13	2.50E-03	2.21E-03	3.59E-04	2.21E-04
2082	566865.48	4216681.34	4.96E-03	4.39E-03	7.11E-04	4.38E-04
2083	566859.77	4216689.23	5.17E-03	4.58E-03	7.42E-04	4.57E-04
2084	566854.06	4216697.11	5.40E-03	4.77E-03	7.74E-04	4.76E-04
2085	566848.35	4216705	5.62E-03	4.97E-03	8.06E-04	4.96E-04
2086	566842.64	4216712.88	5.85E-03	5.18E-03	8.39E-04	5.17E-04
2087	566825.5	4216736.54	6.54E-03	5.78E-03	9.37E-04	5.77E-04
2088	566819.79	4216744.42	6.76E-03	5.98E-03	9.69E-04	5.97E-04
2089	566814.07	4216752.31	6.98E-03	6.17E-03	1.00E-03	6.16E-04
2090	566808.36	4216760.19	7.18E-03	6.36E-03	1.03E-03	6.34E-04
2091	566802.65	4216768.08	7.38E-03	6.53E-03	1.06E-03	6.52E-04
2092	566796.94	4216775.96	7.56E-03	6.69E-03	1.08E-03	6.68E-04
2093	566791.23	4216783.85	7.73E-03	6.84E-03	1.11E-03	6.83E-04
2094	566785.51	4216791.73	7.88E-03	6.98E-03	1.13E-03	6.96E-04
2095	566779.8	4216799.62	8.02E-03	7.09E-03	1.15E-03	7.08E-04
2096	566877.31	4216655.43	4.27E-03	3.78E-03	6.12E-04	3.77E-04
2097	566884.41	4216649.35	4.13E-03	3.65E-03	5.92E-04	3.65E-04
2098	566891.52	4216643.27	3.99E-03	3.53E-03	5.72E-04	3.52E-04
2099	566898.62	4216637.19	3.85E-03	3.41E-03	5.52E-04	3.40E-04
2100	566919.93	4216618.95	3.46E-03	3.07E-03	4.97E-04	3.06E-04
2101	566927.04	4216612.87	3.34E-03	2.96E-03	4.79E-04	2.95E-04
2102	566934.14	4216606.79	3.22E-03	2.85E-03	4.62E-04	2.85E-04
2103	566941.25	4216600.71	3.10E-03	2.75E-03	4.45E-04	2.74E-04
2104	566948.35	4216594.63	2.99E-03	2.65E-03	4.29E-04	2.64E-04
2105	566955.46	4216588.55	2.88E-03	2.55E-03	4.13E-04	2.55E-04
2106	566971.65	4216580.28	2.74E-03	2.42E-03	3.92E-04	2.42E-04
2107	566998.93	4216573.72	2.62E-03	2.32E-03	3.76E-04	2.31E-04
2108	567008.02	4216571.54	2.59E-03	2.29E-03	3.71E-04	2.29E-04
2109	567017.11	4216569.35	2.56E-03	2.26E-03	3.67E-04	2.26E-04
2110	567026.21	4216567.16	2.53E-03	2.24E-03	3.63E-04	2.23E-04
2111	567035.3	4216564.98	2.50E-03	2.21E-03	3.59E-04	2.21E-04
2112	567044.39	4216562.79	2.47E-03	2.19E-03	3.55E-04	2.18E-04
2113	567053.48	4216560.6	2.45E-03	2.17E-03	3.51E-04	2.16E-04
2114	567062.57	4216558.42	2.43E-03	2.15E-03	3.48E-04	2.14E-04
2115	567071.67	4216556.23	2.40E-03	2.13E-03	3.45E-04	2.12E-04
2116	567080.76	4216554.05	2.38E-03	2.11E-03	3.42E-04	2.10E-04
2117	566851.67	4216683.36	4.95E-03	4.38E-03	7.10E-04	4.37E-04
2118	566845.96	4216691.25	5.16E-03	4.56E-03	7.40E-04	4.55E-04
2119	566840.25	4216699.13	5.37E-03	4.75E-03	7.70E-04	4.74E-04
2120	566823.11	4216722.79	6.01E-03	5.32E-03	8.62E-04	5.31E-04
2121	566817.4	4216730.67	6.22E-03	5.50E-03	8.92E-04	5.49E-04
2122	566811.69	4216738.56	6.43E-03	5.69E-03	9.22E-04	5.68E-04
2123	566805.98	4216746.44	6.63E-03	5.87E-03	9.51E-04	5.85E-04
2124	566800.26	4216754.33	6.82E-03	6.04E-03	9.79E-04	6.03E-04
2125	566794.55	4216762.21	7.01E-03	6.20E-03	1.01E-03	6.19E-04
2126	566788.84	4216770.1	7.18E-03	6.36E-03	1.03E-03	6.34E-04
2127	566783.13	4216777.98	7.34E-03	6.50E-03	1.05E-03	6.48E-04

2128	566777.42	4216785.87	7.49E-03	6.63E-03	1.07E-03	6.61E-04
2129	566771.7	4216793.75	7.62E-03	6.74E-03	1.09E-03	6.72E-04
2130	566765.99	4216801.64	7.73E-03	6.84E-03	1.11E-03	6.82E-04
2131	566862.36	4216655.43	4.23E-03	3.75E-03	6.07E-04	3.74E-04
2132	566869.72	4216649.13	4.10E-03	3.63E-03	5.88E-04	3.62E-04
2133	566877.08	4216642.83	3.96E-03	3.51E-03	5.68E-04	3.50E-04
2134	566884.43	4216636.53	3.83E-03	3.39E-03	5.49E-04	3.38E-04
2135	566891.79	4216630.24	3.70E-03	3.27E-03	5.30E-04	3.26E-04
2136	566913.87	4216611.34	3.32E-03	2.94E-03	4.76E-04	2.93E-04
2137	566921.22	4216605.05	3.20E-03	2.83E-03	4.59E-04	2.83E-04
2138	566928.58	4216598.75	3.09E-03	2.73E-03	4.42E-04	2.72E-04
2139	566935.94	4216592.45	2.97E-03	2.63E-03	4.26E-04	2.62E-04
2140	566943.3	4216586.15	2.86E-03	2.53E-03	4.10E-04	2.53E-04
2141	566950.66	4216579.86	2.76E-03	2.44E-03	3.95E-04	2.43E-04
2142	566967.43	4216571.29	2.62E-03	2.31E-03	3.75E-04	2.31E-04
2143	566976.85	4216569.03	2.58E-03	2.28E-03	3.69E-04	2.27E-04
2144	566995.68	4216564.5	2.50E-03	2.21E-03	3.59E-04	2.21E-04
2145	567005.1	4216562.24	2.47E-03	2.19E-03	3.54E-04	2.18E-04
2146	567014.52	4216559.97	2.44E-03	2.16E-03	3.50E-04	2.16E-04
2147	567023.93	4216557.71	2.41E-03	2.14E-03	3.46E-04	2.13E-04
2148	567033.35	4216555.45	2.39E-03	2.11E-03	3.42E-04	2.11E-04
2149	567042.77	4216553.18	2.36E-03	2.09E-03	3.39E-04	2.09E-04
2150	567052.18	4216550.92	2.34E-03	2.07E-03	3.35E-04	2.07E-04
2151	567061.6	4216548.65	2.32E-03	2.05E-03	3.32E-04	2.05E-04
2152	567071.02	4216546.39	2.30E-03	2.03E-03	3.29E-04	2.03E-04
2153	567080.43	4216544.12	2.28E-03	2.01E-03	3.26E-04	2.01E-04
2154	566855	4216661.73	4.37E-03	3.87E-03	6.27E-04	3.86E-04
2155	566837.86	4216685.38	4.94E-03	4.37E-03	7.08E-04	4.36E-04
2156	566820.73	4216709.04	5.53E-03	4.89E-03	7.93E-04	4.88E-04
2157	566815.02	4216716.92	5.73E-03	5.07E-03	8.22E-04	5.06E-04
2158	566809.3	4216724.81	5.93E-03	5.25E-03	8.50E-04	5.23E-04
2159	566803.59	4216732.69	6.12E-03	5.42E-03	8.78E-04	5.41E-04
2160	566797.88	4216740.58	6.31E-03	5.59E-03	9.05E-04	5.57E-04
2161	566792.17	4216748.46	6.49E-03	5.75E-03	9.31E-04	5.73E-04
2162	566786.45	4216756.35	6.67E-03	5.90E-03	9.56E-04	5.89E-04
2163	566780.74	4216764.23	6.83E-03	6.05E-03	9.80E-04	6.03E-04
2164	566775.03	4216772.12	6.98E-03	6.18E-03	1.00E-03	6.17E-04
2165	566769.32	4216780	7.12E-03	6.30E-03	1.02E-03	6.29E-04
2166	566763.61	4216787.89	7.25E-03	6.41E-03	1.04E-03	6.40E-04
2167	566757.89	4216795.77	7.35E-03	6.51E-03	1.05E-03	6.49E-04
2168	566854.01	4216649.78	4.08E-03	3.61E-03	5.85E-04	3.60E-04
2169	566861.11	4216643.7	3.95E-03	3.50E-03	5.67E-04	3.49E-04
2170	566868.22	4216637.62	3.83E-03	3.39E-03	5.50E-04	3.39E-04
2171	566875.32	4216631.54	3.71E-03	3.29E-03	5.33E-04	3.28E-04
2172	566882.42	4216625.46	3.59E-03	3.18E-03	5.15E-04	3.17E-04
2173	566889.53	4216619.38	3.48E-03	3.08E-03	4.98E-04	3.07E-04
2174	566910.84	4216601.13	3.14E-03	2.78E-03	4.50E-04	2.77E-04
2175	566917.95	4216595.05	3.03E-03	2.68E-03	4.35E-04	2.68E-04
2176	566925.05	4216588.97	2.93E-03	2.59E-03	4.20E-04	2.58E-04
2177	566932.16	4216582.89	2.82E-03	2.50E-03	4.05E-04	2.49E-04
2178	566939.26	4216576.81	2.73E-03	2.41E-03	3.91E-04	2.41E-04
2179	566946.36	4216570.73	2.63E-03	2.33E-03	3.78E-04	2.32E-04

2180	566962.56	4216562.47	2.51E-03	2.22E-03	3.59E-04	2.21E-04
2181	566971.65	4216560.28	2.47E-03	2.19E-03	3.54E-04	2.18E-04
2182	566989.84	4216555.91	2.40E-03	2.13E-03	3.45E-04	2.12E-04
2183	566998.93	4216553.72	2.37E-03	2.10E-03	3.40E-04	2.10E-04
2184	567008.02	4216551.54	2.35E-03	2.08E-03	3.36E-04	2.07E-04
2185	567017.11	4216549.35	2.32E-03	2.05E-03	3.33E-04	2.05E-04
2186	567026.21	4216547.16	2.30E-03	2.03E-03	3.29E-04	2.03E-04
2187	567035.3	4216544.98	2.27E-03	2.01E-03	3.26E-04	2.01E-04
2188	567044.39	4216542.79	2.25E-03	1.99E-03	3.23E-04	1.99E-04
2189	567053.48	4216540.6	2.23E-03	1.97E-03	3.20E-04	1.97E-04
2190	567062.57	4216538.42	2.21E-03	1.96E-03	3.17E-04	1.95E-04
2191	567071.67	4216536.23	2.19E-03	1.94E-03	3.14E-04	1.94E-04
2192	567080.76	4216534.05	2.18E-03	1.93E-03	3.12E-04	1.92E-04
2193	566846.9	4216655.86	4.20E-03	3.72E-03	6.02E-04	3.71E-04
2194	566841.19	4216663.74	4.37E-03	3.87E-03	6.27E-04	3.86E-04
2195	566818.34	4216695.28	5.10E-03	4.51E-03	7.31E-04	4.50E-04
2196	566812.63	4216703.17	5.28E-03	4.68E-03	7.58E-04	4.67E-04
2197	566806.92	4216711.05	5.47E-03	4.84E-03	7.85E-04	4.83E-04
2198	566801.2	4216718.94	5.66E-03	5.01E-03	8.11E-04	4.99E-04
2199	566795.49	4216726.82	5.84E-03	5.17E-03	8.37E-04	5.16E-04
2200	566789.78	4216734.71	6.02E-03	5.32E-03	8.63E-04	5.31E-04
2201	566784.07	4216742.59	6.19E-03	5.48E-03	8.87E-04	5.47E-04
2202	566778.36	4216750.48	6.35E-03	5.62E-03	9.11E-04	5.61E-04
2203	566772.64	4216758.36	6.51E-03	5.76E-03	9.33E-04	5.75E-04
2204	566766.93	4216766.25	6.65E-03	5.89E-03	9.54E-04	5.87E-04
2205	566761.22	4216774.13	6.78E-03	6.00E-03	9.73E-04	5.99E-04
2206	566755.51	4216782.02	6.90E-03	6.11E-03	9.90E-04	6.10E-04
2207	566749.79	4216789.9	7.00E-03	6.20E-03	1.00E-03	6.18E-04
2208	566846.15	4216643.71	3.92E-03	3.47E-03	5.62E-04	3.46E-04
2209	566853.49	4216637.43	3.80E-03	3.37E-03	5.45E-04	3.36E-04
2210	566860.83	4216631.14	3.69E-03	3.26E-03	5.29E-04	3.25E-04
2211	566868.17	4216624.86	3.57E-03	3.16E-03	5.12E-04	3.15E-04
2212	566875.51	4216618.58	3.46E-03	3.06E-03	4.96E-04	3.05E-04
2213	566882.85	4216612.29	3.34E-03	2.96E-03	4.79E-04	2.95E-04
2214	566890.19	4216606.01	3.23E-03	2.86E-03	4.63E-04	2.85E-04
2215	566912.22	4216587.16	2.91E-03	2.58E-03	4.17E-04	2.57E-04
2216	566919.56	4216580.88	2.81E-03	2.49E-03	4.03E-04	2.48E-04
2217	566926.9	4216574.59	2.71E-03	2.40E-03	3.88E-04	2.39E-04
2218	566934.24	4216568.31	2.61E-03	2.31E-03	3.75E-04	2.31E-04
2219	566941.58	4216562.03	2.52E-03	2.23E-03	3.62E-04	2.23E-04
2220	566958.32	4216553.49	2.40E-03	2.12E-03	3.44E-04	2.12E-04
2221	566967.71	4216551.23	2.37E-03	2.09E-03	3.39E-04	2.09E-04
2222	566986.5	4216546.71	2.30E-03	2.04E-03	3.30E-04	2.03E-04
2223	566995.9	4216544.45	2.27E-03	2.01E-03	3.26E-04	2.01E-04
2224	567005.29	4216542.19	2.25E-03	1.99E-03	3.22E-04	1.98E-04
2225	567014.69	4216539.93	2.22E-03	1.96E-03	3.18E-04	1.96E-04
2226	567024.08	4216537.67	2.20E-03	1.94E-03	3.15E-04	1.94E-04
2227	567033.48	4216535.41	2.17E-03	1.92E-03	3.12E-04	1.92E-04
2228	567042.87	4216533.15	2.15E-03	1.91E-03	3.09E-04	1.90E-04
2229	567052.27	4216530.9	2.13E-03	1.89E-03	3.06E-04	1.88E-04
2230	567061.66	4216528.64	2.12E-03	1.87E-03	3.03E-04	1.87E-04
2231	567071.06	4216526.38	2.10E-03	1.86E-03	3.01E-04	1.85E-04

2232	567080.45	4216524.12	2.08E-03	1.84E-03	2.99E-04	1.84E-04
2233	566838.8	4216649.99	4.04E-03	3.57E-03	5.79E-04	3.57E-04
2234	566833.09	4216657.88	4.20E-03	3.72E-03	6.03E-04	3.71E-04
2235	566827.38	4216665.76	4.37E-03	3.87E-03	6.26E-04	3.86E-04
2236	566804.53	4216697.3	5.06E-03	4.47E-03	7.25E-04	4.46E-04
2237	566798.82	4216705.19	5.23E-03	4.63E-03	7.50E-04	4.62E-04
2238	566793.11	4216713.07	5.40E-03	4.78E-03	7.75E-04	4.77E-04
2239	566787.39	4216720.96	5.58E-03	4.93E-03	8.00E-04	4.92E-04
2240	566781.68	4216728.84	5.74E-03	5.08E-03	8.23E-04	5.07E-04
2241	566775.97	4216736.73	5.90E-03	5.22E-03	8.47E-04	5.21E-04
2242	566770.26	4216744.61	6.06E-03	5.36E-03	8.69E-04	5.35E-04
2243	566764.55	4216752.5	6.21E-03	5.49E-03	8.90E-04	5.48E-04
2244	566758.83	4216760.38	6.34E-03	5.61E-03	9.10E-04	5.60E-04
2245	566753.12	4216768.27	6.47E-03	5.73E-03	9.28E-04	5.71E-04
2246	566747.41	4216776.15	6.58E-03	5.82E-03	9.44E-04	5.81E-04
2247	566741.7	4216784.04	6.68E-03	5.91E-03	9.58E-04	5.90E-04
2248	566996.35	4216991.83	7.96E-02	7.05E-02	1.14E-02	7.03E-03
2249	566983.49	4216995.37	6.22E-02	5.50E-02	8.92E-03	5.49E-03
2250	566998.28	4217005.03	6.54E-02	5.79E-02	9.38E-03	5.78E-03
2251	566959.26	4216971.55	5.18E-02	4.59E-02	7.43E-03	4.58E-03
2252	566978.02	4217003.74	5.20E-02	4.60E-02	7.46E-03	4.59E-03
2253	566992.81	4217013.4	5.34E-02	4.73E-02	7.66E-03	4.72E-03
2254	567007.6	4217023.07	5.35E-02	4.74E-02	7.68E-03	4.73E-03
2255	566952.06	4216987.61	4.38E-02	3.87E-02	6.28E-03	3.87E-03
2256	566949.43	4216973.37	4.50E-02	3.98E-02	6.46E-03	3.98E-03
2257	566972.55	4217012.11	4.41E-02	3.90E-02	6.32E-03	3.89E-03
2258	566987.34	4217021.77	4.45E-02	3.94E-02	6.39E-03	3.93E-03
2259	567002.13	4217031.44	4.37E-02	3.87E-02	6.27E-03	3.86E-03
2260	566946.59	4216995.98	3.89E-02	3.44E-02	5.58E-03	3.44E-03
2261	566939.6	4216975.18	3.96E-02	3.51E-02	5.68E-03	3.50E-03
2262	566943.07	4216959.82	4.22E-02	3.73E-02	6.05E-03	3.73E-03
2263	566967.08	4217020.48	3.78E-02	3.34E-02	5.42E-03	3.34E-03
2264	566981.87	4217030.15	3.76E-02	3.33E-02	5.39E-03	3.32E-03
2265	566996.66	4217039.81	3.63E-02	3.22E-02	5.21E-03	3.21E-03
2266	566941.12	4217004.35	3.46E-02	3.06E-02	4.96E-03	3.06E-03
2267	566932.39	4216991.24	3.44E-02	3.04E-02	4.93E-03	3.03E-03
2268	566929.76	4216977	3.53E-02	3.12E-02	5.06E-03	3.12E-03
2269	566933.23	4216961.64	3.75E-02	3.32E-02	5.38E-03	3.32E-03
2270	566961.61	4217028.85	3.26E-02	2.89E-02	4.68E-03	2.88E-03
2271	566976.4	4217038.52	3.21E-02	2.84E-02	4.60E-03	2.83E-03
2272	566991.19	4217048.18	3.06E-02	2.71E-02	4.39E-03	2.70E-03
2273	566935.65	4217012.72	3.08E-02	2.73E-02	4.42E-03	2.72E-03
2274	566926.92	4216999.61	3.11E-02	2.75E-02	4.46E-03	2.75E-03
2275	566919.93	4216978.81	3.17E-02	2.80E-02	4.54E-03	2.80E-03
2276	566923.4	4216963.45	3.37E-02	2.98E-02	4.83E-03	2.97E-03
2277	566926.87	4216948.09	3.47E-02	3.07E-02	4.98E-03	3.06E-03
2278	566956.14	4217037.22	2.84E-02	2.51E-02	4.07E-03	2.51E-03
2279	566930.18	4217021.09	2.75E-02	2.44E-02	3.95E-03	2.43E-03
2280	566921.45	4217007.98	2.81E-02	2.49E-02	4.04E-03	2.49E-03
2281	566912.72	4216994.87	2.79E-02	2.47E-02	4.00E-03	2.47E-03
2282	566910.09	4216980.63	2.86E-02	2.53E-02	4.11E-03	2.53E-03
2283	566913.57	4216965.27	3.04E-02	2.69E-02	4.36E-03	2.69E-03

2284	566917.04	4216949.9	3.14E-02	2.78E-02	4.51E-03	2.78E-03
2285	566965.46	4217055.26	2.39E-02	2.12E-02	3.43E-03	2.11E-03
2286	566980.25	4217064.93	2.24E-02	1.98E-02	3.21E-03	1.98E-03
2287	566924.71	4217029.46	2.46E-02	2.18E-02	3.53E-03	2.17E-03
2288	566915.98	4217016.35	2.55E-02	2.25E-02	3.65E-03	2.25E-03
2289	566907.25	4217003.24	2.56E-02	2.27E-02	3.67E-03	2.26E-03
2290	566900.26	4216982.44	2.61E-02	2.31E-02	3.74E-03	2.30E-03
2291	566903.73	4216967.08	2.76E-02	2.45E-02	3.96E-03	2.44E-03
2292	566907.2	4216951.72	2.86E-02	2.53E-02	4.10E-03	2.53E-03
2293	566910.67	4216936.35	2.89E-02	2.56E-02	4.14E-03	2.55E-03
2294	566945.2	4217053.96	2.19E-02	1.93E-02	3.14E-03	1.93E-03
2295	566959.99	4217063.63	2.09E-02	1.85E-02	2.99E-03	1.84E-03
2296	566974.78	4217073.3	1.94E-02	1.72E-02	2.78E-03	1.71E-03
2297	566917.78	4217035.65	2.23E-02	1.97E-02	3.19E-03	1.97E-03
2298	566908.09	4217021.08	2.32E-02	2.06E-02	3.33E-03	2.05E-03
2299	566898.39	4217006.51	2.34E-02	2.07E-02	3.36E-03	2.07E-03
2300	566890.62	4216983.41	2.39E-02	2.12E-02	3.43E-03	2.11E-03
2301	566894.48	4216966.34	2.54E-02	2.25E-02	3.65E-03	2.25E-03
2302	566898.33	4216949.26	2.63E-02	2.33E-02	3.78E-03	2.33E-03
2303	566900.26	4216940.73	2.65E-02	2.35E-02	3.80E-03	2.34E-03
2304	566939.73	4217062.34	1.93E-02	1.71E-02	2.77E-03	1.71E-03
2305	566954.52	4217072	1.83E-02	1.62E-02	2.63E-03	1.62E-03
2306	566969.31	4217081.67	1.69E-02	1.50E-02	2.43E-03	1.49E-03
2307	566893.26	4217015.39	2.15E-02	1.90E-02	3.09E-03	1.90E-03
2308	566883.66	4217000.97	2.14E-02	1.89E-02	3.07E-03	1.89E-03
2309	566880.77	4216985.31	2.20E-02	1.94E-02	3.15E-03	1.94E-03
2310	566884.58	4216968.41	2.33E-02	2.06E-02	3.35E-03	2.06E-03
2311	566888.4	4216951.51	2.42E-02	2.14E-02	3.47E-03	2.14E-03
2312	566892.22	4216934.61	2.45E-02	2.17E-02	3.51E-03	2.16E-03
2313	566934.25	4217070.71	1.72E-02	1.52E-02	2.46E-03	1.52E-03
2314	566949.05	4217080.37	1.62E-02	1.43E-02	2.32E-03	1.43E-03
2315	566963.84	4217090.04	1.48E-02	1.31E-02	2.13E-03	1.31E-03
2316	566907.11	4217052.79	1.80E-02	1.60E-02	2.59E-03	1.59E-03
2317	566878.54	4217009.88	1.98E-02	1.76E-02	2.85E-03	1.75E-03
2318	566870.92	4216987.19	2.03E-02	1.79E-02	2.91E-03	1.79E-03
2319	566874.7	4216970.43	2.15E-02	1.90E-02	3.08E-03	1.90E-03
2320	566878.49	4216953.67	2.23E-02	1.97E-02	3.20E-03	1.97E-03
2321	566882.28	4216936.91	2.27E-02	2.00E-02	3.25E-03	2.00E-03
2322	566886.06	4216920.15	2.25E-02	1.99E-02	3.23E-03	1.99E-03
2323	566928.78	4217079.08	1.53E-02	1.35E-02	2.19E-03	1.35E-03
2324	566943.58	4217088.74	1.43E-02	1.27E-02	2.05E-03	1.26E-03
2325	566958.37	4217098.41	1.31E-02	1.16E-02	1.88E-03	1.16E-03
2326	566901.74	4217061.31	1.63E-02	1.44E-02	2.33E-03	1.44E-03
2327	566892.28	4217047.1	1.74E-02	1.54E-02	2.49E-03	1.54E-03
2328	566882.83	4217032.9	1.81E-02	1.60E-02	2.59E-03	1.60E-03
2329	566861.07	4216989.07	1.87E-02	1.66E-02	2.69E-03	1.65E-03
2330	566864.83	4216972.42	1.98E-02	1.76E-02	2.85E-03	1.75E-03
2331	566868.59	4216955.78	2.06E-02	1.83E-02	2.96E-03	1.82E-03
2332	566872.35	4216939.13	2.10E-02	1.86E-02	3.01E-03	1.86E-03
2333	566876.11	4216922.49	2.10E-02	1.86E-02	3.01E-03	1.85E-03
2334	566923.31	4217087.45	1.37E-02	1.21E-02	1.96E-03	1.21E-03
2335	566938.11	4217097.12	1.27E-02	1.13E-02	1.83E-03	1.13E-03

2336	566952.9	4217106.78	1.16E-02	1.03E-02	1.67E-03	1.03E-03
2337	566896.35	4217069.81	1.47E-02	1.30E-02	2.11E-03	1.30E-03
2338	566886.95	4217055.69	1.58E-02	1.40E-02	2.27E-03	1.40E-03
2339	566877.55	4217041.56	1.66E-02	1.47E-02	2.38E-03	1.46E-03
2340	566868.15	4217027.44	1.70E-02	1.50E-02	2.44E-03	1.50E-03
2341	566858.75	4217013.32	1.71E-02	1.51E-02	2.45E-03	1.51E-03
2342	566854.96	4216974.38	1.84E-02	1.63E-02	2.64E-03	1.62E-03
2343	566858.7	4216957.84	1.91E-02	1.69E-02	2.74E-03	1.69E-03
2344	566862.44	4216941.29	1.95E-02	1.73E-02	2.80E-03	1.72E-03
2345	566866.18	4216924.75	1.96E-02	1.73E-02	2.81E-03	1.73E-03
2346	566869.92	4216908.2	1.93E-02	1.70E-02	2.76E-03	1.70E-03
2347	566917.84	4217095.82	1.23E-02	1.09E-02	1.76E-03	1.08E-03
2348	566932.64	4217105.49	1.14E-02	1.01E-02	1.63E-03	1.01E-03
2349	566947.43	4217115.15	1.04E-02	9.17E-03	1.49E-03	9.15E-04
2350	566890.95	4217078.29	1.33E-02	1.18E-02	1.91E-03	1.18E-03
2351	566881.6	4217064.24	1.44E-02	1.28E-02	2.07E-03	1.27E-03
2352	566872.25	4217050.19	1.52E-02	1.35E-02	2.18E-03	1.34E-03
2353	566862.9	4217036.14	1.57E-02	1.39E-02	2.25E-03	1.39E-03
2354	566853.55	4217022.09	1.59E-02	1.41E-02	2.28E-03	1.41E-03
2355	566844.2	4217008.04	1.58E-02	1.40E-02	2.27E-03	1.40E-03
2356	566845.1	4216976.33	1.71E-02	1.51E-02	2.45E-03	1.51E-03
2357	566848.82	4216959.86	1.78E-02	1.57E-02	2.55E-03	1.57E-03
2358	566852.54	4216943.4	1.82E-02	1.61E-02	2.61E-03	1.61E-03
2359	566912.37	4217104.19	1.11E-02	9.78E-03	1.59E-03	9.76E-04
2360	566927.17	4217113.86	1.02E-02	9.04E-03	1.47E-03	9.02E-04
2361	566941.96	4217123.53	9.29E-03	8.22E-03	1.33E-03	8.20E-04
2362	566885.54	4217086.75	1.21E-02	1.07E-02	1.74E-03	1.07E-03
2363	566876.23	4217072.76	1.32E-02	1.16E-02	1.89E-03	1.16E-03
2364	566866.93	4217058.78	1.40E-02	1.24E-02	2.00E-03	1.23E-03
2365	566857.62	4217044.79	1.45E-02	1.29E-02	2.09E-03	1.28E-03
2366	566848.31	4217030.81	1.48E-02	1.31E-02	2.13E-03	1.31E-03
2367	566839	4217016.82	1.49E-02	1.32E-02	2.13E-03	1.31E-03
2368	566831.54	4216994.64	1.51E-02	1.34E-02	2.17E-03	1.34E-03
2369	566835.24	4216978.25	1.60E-02	1.41E-02	2.29E-03	1.41E-03
2370	566838.94	4216961.86	1.66E-02	1.47E-02	2.38E-03	1.46E-03
2371	566842.65	4216945.47	1.70E-02	1.50E-02	2.43E-03	1.50E-03
2372	566850.05	4216912.7	1.70E-02	1.50E-02	2.44E-03	1.50E-03
2373	566906.9	4217112.56	1.00E-02	8.85E-03	1.43E-03	8.83E-04
2374	566921.7	4217122.23	9.22E-03	8.16E-03	1.32E-03	8.14E-04
2375	566936.49	4217131.9	8.36E-03	7.40E-03	1.20E-03	7.39E-04
2376	566880.13	4217095.2	1.11E-02	9.78E-03	1.59E-03	9.76E-04
2377	566870.86	4217081.27	1.20E-02	1.07E-02	1.73E-03	1.06E-03
2378	566861.58	4217067.34	1.29E-02	1.14E-02	1.84E-03	1.13E-03
2379	566852.31	4217053.41	1.35E-02	1.19E-02	1.93E-03	1.19E-03
2380	566843.04	4217039.48	1.38E-02	1.22E-02	1.98E-03	1.22E-03
2381	566833.76	4217025.55	1.40E-02	1.24E-02	2.00E-03	1.23E-03
2382	566824.49	4217011.61	1.39E-02	1.23E-02	1.99E-03	1.23E-03
2383	566821.7	4216996.49	1.42E-02	1.26E-02	2.03E-03	1.25E-03
2384	566829.07	4216963.84	1.55E-02	1.37E-02	2.23E-03	1.37E-03
2385	566840.14	4216914.87	1.60E-02	1.42E-02	2.30E-03	1.41E-03
2386	566843.83	4216898.54	1.57E-02	1.39E-02	2.25E-03	1.39E-03
2387	566901.43	4217120.93	9.08E-03	8.04E-03	1.30E-03	8.02E-04

2388	566916.23	4217130.6	8.35E-03	7.39E-03	1.20E-03	7.38E-04
2389	566931.02	4217140.27	7.57E-03	6.70E-03	1.09E-03	6.68E-04
2390	566874.71	4217103.65	1.01E-02	8.94E-03	1.45E-03	8.92E-04
2391	566865.47	4217089.76	1.10E-02	9.76E-03	1.58E-03	9.74E-04
2392	566856.22	4217075.88	1.18E-02	1.05E-02	1.70E-03	1.04E-03
2393	566846.98	4217062	1.25E-02	1.10E-02	1.79E-03	1.10E-03
2394	566837.74	4217048.11	1.29E-02	1.14E-02	1.85E-03	1.14E-03
2395	566828.5	4217034.23	1.31E-02	1.16E-02	1.88E-03	1.16E-03
2396	566819.26	4217020.35	1.31E-02	1.16E-02	1.88E-03	1.16E-03
2397	566811.86	4216998.33	1.33E-02	1.18E-02	1.91E-03	1.18E-03
2398	566826.56	4216933.26	1.51E-02	1.34E-02	2.17E-03	1.34E-03
2399	566830.24	4216916.99	1.51E-02	1.34E-02	2.17E-03	1.33E-03
2400	566833.91	4216900.72	1.49E-02	1.32E-02	2.14E-03	1.32E-03
2401	566895.96	4217129.31	8.27E-03	7.32E-03	1.19E-03	7.30E-04
2402	566910.76	4217138.97	7.59E-03	6.72E-03	1.09E-03	6.71E-04
2403	566925.55	4217148.64	6.88E-03	6.09E-03	9.86E-04	6.07E-04
2404	566858.71	4217096.21	1.03E-02	9.07E-03	1.47E-03	9.05E-04
2405	566848.96	4217081.55	1.10E-02	9.77E-03	1.58E-03	9.75E-04
2406	566839.2	4217066.9	1.17E-02	1.03E-02	1.67E-03	1.03E-03
2407	566829.45	4217052.24	1.21E-02	1.07E-02	1.74E-03	1.07E-03
2408	566819.69	4217037.59	1.23E-02	1.09E-02	1.77E-03	1.09E-03
2409	566809.94	4217022.93	1.23E-02	1.09E-02	1.77E-03	1.09E-03
2410	566813.77	4216948.18	1.41E-02	1.25E-02	2.02E-03	1.25E-03
2411	566817.64	4216931.01	1.43E-02	1.26E-02	2.05E-03	1.26E-03
2412	566821.52	4216913.84	1.43E-02	1.26E-02	2.04E-03	1.26E-03
2413	566825.4	4216896.67	1.40E-02	1.24E-02	2.01E-03	1.24E-03
2414	566890.49	4217137.68	7.55E-03	6.68E-03	1.08E-03	6.67E-04
2415	566905.29	4217147.34	6.93E-03	6.13E-03	9.93E-04	6.12E-04
2416	566920.08	4217157.01	6.27E-03	5.55E-03	8.99E-04	5.54E-04
2417	566843.69	4217090.22	1.02E-02	9.02E-03	1.46E-03	9.00E-04
2418	566833.99	4217075.65	1.08E-02	9.58E-03	1.55E-03	9.56E-04
2419	566824.29	4217061.09	1.13E-02	9.99E-03	1.62E-03	9.96E-04
2420	566814.6	4217046.52	1.16E-02	1.02E-02	1.66E-03	1.02E-03
2421	566804.9	4217031.95	1.17E-02	1.03E-02	1.67E-03	1.03E-03
2422	566795.2	4217017.38	1.16E-02	1.03E-02	1.66E-03	1.02E-03
2423	566803.85	4216950.35	1.33E-02	1.18E-02	1.91E-03	1.18E-03
2424	566807.71	4216933.27	1.35E-02	1.19E-02	1.94E-03	1.19E-03
2425	566809.64	4216924.74	1.35E-02	1.20E-02	1.94E-03	1.19E-03
2426	566813.49	4216907.67	1.34E-02	1.19E-02	1.93E-03	1.19E-03
2427	566817.35	4216890.6	1.32E-02	1.17E-02	1.89E-03	1.16E-03
2428	566885.02	4217146.05	6.92E-03	6.12E-03	9.92E-04	6.11E-04
2429	566899.82	4217155.71	6.33E-03	5.60E-03	9.08E-04	5.59E-04
2430	566914.61	4217165.38	5.73E-03	5.07E-03	8.22E-04	5.06E-04
2431	566857.69	4217127.85	7.87E-03	6.96E-03	1.13E-03	6.95E-04
2432	566848.04	4217113.35	8.68E-03	7.68E-03	1.25E-03	7.67E-04
2433	566819.1	4217069.88	1.05E-02	9.31E-03	1.51E-03	9.29E-04
2434	566809.46	4217055.39	1.08E-02	9.60E-03	1.56E-03	9.58E-04
2435	566799.81	4217040.89	1.10E-02	9.74E-03	1.58E-03	9.72E-04
2436	566790.16	4217026.4	1.10E-02	9.75E-03	1.58E-03	9.73E-04
2437	566786.27	4216986.44	1.18E-02	1.04E-02	1.69E-03	1.04E-03
2438	566790.11	4216969.46	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2439	566797.78	4216935.49	1.28E-02	1.13E-02	1.83E-03	1.13E-03

2440	566801.62	4216918.51	1.28E-02	1.13E-02	1.84E-03	1.13E-03
2441	566805.46	4216901.53	1.27E-02	1.12E-02	1.82E-03	1.12E-03
2442	566809.29	4216884.55	1.24E-02	1.10E-02	1.78E-03	1.10E-03
2443	566894.35	4217164.09	5.81E-03	5.14E-03	8.33E-04	5.13E-04
2444	566909.14	4217173.75	5.26E-03	4.65E-03	7.54E-04	4.64E-04
2445	566852.29	4217136.32	7.24E-03	6.41E-03	1.04E-03	6.39E-04
2446	566842.69	4217121.9	8.01E-03	7.08E-03	1.15E-03	7.07E-04
2447	566833.09	4217107.48	8.71E-03	7.71E-03	1.25E-03	7.69E-04
2448	566794.69	4217049.78	1.04E-02	9.19E-03	1.49E-03	9.17E-04
2449	566785.08	4217035.36	1.05E-02	9.25E-03	1.50E-03	9.23E-04
2450	566772.59	4217005.27	1.06E-02	9.40E-03	1.52E-03	9.38E-04
2451	566776.41	4216988.37	1.11E-02	9.86E-03	1.60E-03	9.83E-04
2452	566780.23	4216971.47	1.16E-02	1.02E-02	1.66E-03	1.02E-03
2453	566787.87	4216937.67	1.21E-02	1.07E-02	1.73E-03	1.07E-03
2454	566791.69	4216920.77	1.22E-02	1.08E-02	1.74E-03	1.07E-03
2455	566795.5	4216903.87	1.21E-02	1.07E-02	1.73E-03	1.07E-03
2456	566799.32	4216886.97	1.19E-02	1.05E-02	1.70E-03	1.05E-03
2457	566803.14	4216870.07	1.15E-02	1.02E-02	1.65E-03	1.02E-03
2458	566874.08	4217162.79	5.84E-03	5.17E-03	8.38E-04	5.16E-04
2459	566888.88	4217172.46	5.34E-03	4.73E-03	7.66E-04	4.72E-04
2460	566903.67	4217182.12	4.84E-03	4.28E-03	6.94E-04	4.27E-04
2461	566846.88	4217144.79	6.68E-03	5.91E-03	9.57E-04	5.90E-04
2462	566837.32	4217130.43	7.39E-03	6.54E-03	1.06E-03	6.53E-04
2463	566827.76	4217116.07	8.07E-03	7.14E-03	1.16E-03	7.13E-04
2464	566818.2	4217101.7	8.66E-03	7.67E-03	1.24E-03	7.65E-04
2465	566808.64	4217087.34	9.16E-03	8.10E-03	1.31E-03	8.09E-04
2466	566762.75	4217007.13	1.01E-02	8.91E-03	1.44E-03	8.90E-04
2467	566766.55	4216990.3	1.06E-02	9.34E-03	1.51E-03	9.32E-04
2468	566770.36	4216973.47	1.10E-02	9.70E-03	1.57E-03	9.68E-04
2469	566774.16	4216956.64	1.13E-02	9.97E-03	1.62E-03	9.95E-04
2470	566781.76	4216922.99	1.16E-02	1.02E-02	1.66E-03	1.02E-03
2471	566785.56	4216906.16	1.15E-02	1.02E-02	1.65E-03	1.02E-03
2472	566789.36	4216889.34	1.14E-02	1.00E-02	1.63E-03	1.00E-03
2473	566793.17	4216872.51	1.11E-02	9.80E-03	1.59E-03	9.78E-04
2474	566868.61	4217171.16	5.39E-03	4.77E-03	7.73E-04	4.76E-04
2475	566898.2	4217190.49	4.47E-03	3.96E-03	6.42E-04	3.95E-04
2476	566831.94	4217138.94	6.84E-03	6.05E-03	9.81E-04	6.04E-04
2477	566822.42	4217124.64	7.48E-03	6.62E-03	1.07E-03	6.60E-04
2478	566812.9	4217110.33	8.06E-03	7.13E-03	1.16E-03	7.12E-04
2479	566803.38	4217096.03	8.55E-03	7.56E-03	1.23E-03	7.55E-04
2480	566793.86	4217081.72	8.94E-03	7.91E-03	1.28E-03	7.89E-04
2481	566784.34	4217067.42	9.21E-03	8.15E-03	1.32E-03	8.14E-04
2482	566752.91	4217008.97	9.57E-03	8.47E-03	1.37E-03	8.45E-04
2483	566756.7	4216992.21	1.00E-02	8.86E-03	1.44E-03	8.85E-04
2484	566760.48	4216975.45	1.04E-02	9.20E-03	1.49E-03	9.18E-04
2485	566764.27	4216958.69	1.07E-02	9.46E-03	1.53E-03	9.44E-04
2486	566771.84	4216925.17	1.10E-02	9.73E-03	1.58E-03	9.71E-04
2487	566775.63	4216908.41	1.10E-02	9.72E-03	1.58E-03	9.70E-04
2488	566779.42	4216891.65	1.09E-02	9.61E-03	1.56E-03	9.59E-04
2489	566783.2	4216874.89	1.06E-02	9.41E-03	1.52E-03	9.39E-04
2490	566786.99	4216858.13	1.03E-02	9.11E-03	1.48E-03	9.10E-04
2491	566863.14	4217179.53	4.99E-03	4.41E-03	7.15E-04	4.40E-04

2492	566892.73	4217198.87	4.15E-03	3.67E-03	5.95E-04	3.66E-04
2493	566826.56	4217147.44	6.34E-03	5.61E-03	9.09E-04	5.60E-04
2494	566817.07	4217133.19	6.94E-03	6.14E-03	9.95E-04	6.13E-04
2495	566807.59	4217118.94	7.50E-03	6.64E-03	1.08E-03	6.62E-04
2496	566798.1	4217104.68	7.98E-03	7.07E-03	1.14E-03	7.05E-04
2497	566788.61	4217090.43	8.38E-03	7.42E-03	1.20E-03	7.40E-04
2498	566779.13	4217076.18	8.68E-03	7.68E-03	1.24E-03	7.66E-04
2499	566769.64	4217061.93	8.87E-03	7.85E-03	1.27E-03	7.83E-04
2500	566743.07	4217010.82	9.11E-03	8.06E-03	1.31E-03	8.04E-04
2501	566746.84	4216994.12	9.52E-03	8.43E-03	1.37E-03	8.41E-04
2502	566750.62	4216977.42	9.88E-03	8.74E-03	1.42E-03	8.72E-04
2503	566754.39	4216960.72	1.02E-02	8.99E-03	1.46E-03	8.97E-04
2504	566758.16	4216944.02	1.04E-02	9.17E-03	1.49E-03	9.15E-04
2505	566765.71	4216910.62	1.05E-02	9.28E-03	1.50E-03	9.26E-04
2506	566769.48	4216893.92	1.04E-02	9.20E-03	1.49E-03	9.18E-04
2507	566773.25	4216877.22	1.02E-02	9.03E-03	1.46E-03	9.01E-04
2508	566777.03	4216860.52	9.93E-03	8.78E-03	1.42E-03	8.77E-04
2509	566857.67	4217187.9	4.63E-03	4.09E-03	6.63E-04	4.09E-04
2510	566872.47	4217197.57	4.24E-03	3.75E-03	6.07E-04	3.74E-04
2511	566887.26	4217207.24	3.85E-03	3.41E-03	5.52E-04	3.40E-04
2512	566821.17	4217155.93	5.89E-03	5.21E-03	8.44E-04	5.20E-04
2513	566811.71	4217141.73	6.45E-03	5.71E-03	9.25E-04	5.70E-04
2514	566802.26	4217127.52	6.98E-03	6.18E-03	1.00E-03	6.17E-04
2515	566792.8	4217113.32	7.46E-03	6.60E-03	1.07E-03	6.59E-04
2516	566783.35	4217099.11	7.86E-03	6.96E-03	1.13E-03	6.94E-04
2517	566773.9	4217084.91	8.17E-03	7.23E-03	1.17E-03	7.21E-04
2518	566764.44	4217070.7	8.39E-03	7.42E-03	1.20E-03	7.41E-04
2519	566745.53	4217042.29	8.56E-03	7.57E-03	1.23E-03	7.55E-04
2520	566736.99	4216996.02	9.07E-03	8.02E-03	1.30E-03	8.01E-04
2521	566740.75	4216979.37	9.40E-03	8.32E-03	1.35E-03	8.30E-04
2522	566744.51	4216962.73	9.67E-03	8.56E-03	1.39E-03	8.54E-04
2523	566748.27	4216946.09	9.87E-03	8.73E-03	1.42E-03	8.72E-04
2524	566755.79	4216912.8	1.00E-02	8.86E-03	1.44E-03	8.84E-04
2525	566759.55	4216896.15	9.95E-03	8.81E-03	1.43E-03	8.79E-04
2526	566763.31	4216879.51	9.80E-03	8.67E-03	1.41E-03	8.66E-04
2527	566767.07	4216862.87	9.57E-03	8.46E-03	1.37E-03	8.45E-04
2528	566770.83	4216846.22	9.25E-03	8.19E-03	1.33E-03	8.17E-04
2529	566852.2	4217196.28	4.30E-03	3.81E-03	6.17E-04	3.80E-04
2530	566867	4217205.94	3.94E-03	3.49E-03	5.65E-04	3.48E-04
2531	566815.77	4217164.41	5.48E-03	4.85E-03	7.86E-04	4.84E-04
2532	566806.35	4217150.25	6.01E-03	5.31E-03	8.61E-04	5.30E-04
2533	566796.92	4217136.09	6.51E-03	5.76E-03	9.34E-04	5.75E-04
2534	566787.49	4217121.93	6.98E-03	6.17E-03	1.00E-03	6.16E-04
2535	566778.07	4217107.77	7.37E-03	6.53E-03	1.06E-03	6.51E-04
2536	566768.64	4217093.61	7.69E-03	6.81E-03	1.10E-03	6.79E-04
2537	566759.22	4217079.44	7.93E-03	7.02E-03	1.14E-03	7.00E-04
2538	566740.37	4217051.12	8.16E-03	7.22E-03	1.17E-03	7.20E-04
2539	566730.94	4217036.96	8.16E-03	7.22E-03	1.17E-03	7.20E-04
2540	566727.14	4216997.91	8.64E-03	7.65E-03	1.24E-03	7.63E-04
2541	566730.89	4216981.32	8.96E-03	7.93E-03	1.28E-03	7.91E-04
2542	566734.64	4216964.72	9.22E-03	8.16E-03	1.32E-03	8.14E-04
2543	566738.39	4216948.13	9.41E-03	8.33E-03	1.35E-03	8.31E-04

2544	566742.13	4216931.54	9.53E-03	8.44E-03	1.37E-03	8.42E-04
2545	566749.63	4216898.35	9.54E-03	8.44E-03	1.37E-03	8.42E-04
2546	566753.38	4216881.76	9.42E-03	8.33E-03	1.35E-03	8.31E-04
2547	566757.13	4216865.17	9.22E-03	8.16E-03	1.32E-03	8.14E-04
2548	566760.88	4216848.57	8.95E-03	7.92E-03	1.28E-03	7.90E-04
2549	566846.73	4217204.65	4.01E-03	3.55E-03	5.75E-04	3.54E-04
2550	566861.53	4217214.31	3.67E-03	3.25E-03	5.27E-04	3.24E-04
2551	566809.43	4217171.47	5.16E-03	4.56E-03	7.40E-04	4.55E-04
2552	566799.65	4217156.78	5.67E-03	5.02E-03	8.13E-04	5.01E-04
2553	566789.88	4217142.1	6.16E-03	5.45E-03	8.84E-04	5.44E-04
2554	566780.1	4217127.41	6.62E-03	5.86E-03	9.49E-04	5.84E-04
2555	566765.44	4217105.39	7.18E-03	6.36E-03	1.03E-03	6.34E-04
2556	566755.67	4217090.7	7.46E-03	6.60E-03	1.07E-03	6.59E-04
2557	566736.12	4217061.33	7.77E-03	6.87E-03	1.11E-03	6.86E-04
2558	566726.34	4217046.64	7.80E-03	6.90E-03	1.12E-03	6.89E-04
2559	566716.57	4217031.96	7.77E-03	6.88E-03	1.11E-03	6.86E-04
2560	566713.63	4217016.01	7.92E-03	7.01E-03	1.14E-03	6.99E-04
2561	566719.46	4216990.2	8.43E-03	7.46E-03	1.21E-03	7.44E-04
2562	566723.34	4216972.99	8.71E-03	7.70E-03	1.25E-03	7.69E-04
2563	566727.23	4216955.79	8.93E-03	7.90E-03	1.28E-03	7.88E-04
2564	566729.18	4216947.18	9.01E-03	7.97E-03	1.29E-03	7.96E-04
2565	566733.06	4216929.97	9.13E-03	8.08E-03	1.31E-03	8.06E-04
2566	566738.9	4216904.16	9.15E-03	8.10E-03	1.31E-03	8.08E-04
2567	566742.78	4216886.96	9.07E-03	8.03E-03	1.30E-03	8.01E-04
2568	566746.67	4216869.75	8.91E-03	7.88E-03	1.28E-03	7.87E-04
2569	566750.56	4216852.54	8.68E-03	7.68E-03	1.24E-03	7.66E-04
2570	566754.45	4216835.33	8.37E-03	7.41E-03	1.20E-03	7.39E-04
2571	566841.26	4217213.02	3.74E-03	3.31E-03	5.36E-04	3.30E-04
2572	566856.06	4217222.68	3.43E-03	3.04E-03	4.92E-04	3.03E-04
2573	566870.85	4217232.35	3.13E-03	2.77E-03	4.50E-04	2.77E-04
2574	566823.53	4217209.24	3.86E-03	3.42E-03	5.54E-04	3.41E-04
2575	566784.59	4217150.74	5.76E-03	5.10E-03	8.26E-04	5.09E-04
2576	566774.86	4217136.12	6.20E-03	5.48E-03	8.89E-04	5.47E-04
2577	566765.12	4217121.49	6.59E-03	5.83E-03	9.45E-04	5.82E-04
2578	566755.39	4217106.87	6.91E-03	6.11E-03	9.91E-04	6.10E-04
2579	566745.65	4217092.24	7.16E-03	6.34E-03	1.03E-03	6.32E-04
2580	566726.18	4217062.99	7.43E-03	6.58E-03	1.07E-03	6.56E-04
2581	566716.45	4217048.37	7.47E-03	6.61E-03	1.07E-03	6.59E-04
2582	566706.71	4217033.74	7.43E-03	6.58E-03	1.07E-03	6.56E-04
2583	566703.78	4217017.86	7.57E-03	6.70E-03	1.09E-03	6.69E-04
2584	566711.53	4216983.59	8.19E-03	7.25E-03	1.17E-03	7.23E-04
2585	566715.4	4216966.45	8.43E-03	7.46E-03	1.21E-03	7.44E-04
2586	566719.27	4216949.32	8.61E-03	7.62E-03	1.23E-03	7.60E-04
2587	566721.21	4216940.75	8.68E-03	7.68E-03	1.24E-03	7.66E-04
2588	566725.08	4216923.61	8.76E-03	7.75E-03	1.26E-03	7.74E-04
2589	566732.82	4216889.34	8.72E-03	7.71E-03	1.25E-03	7.70E-04
2590	566736.69	4216872.2	8.59E-03	7.60E-03	1.23E-03	7.58E-04
2591	566740.57	4216855.06	8.39E-03	7.42E-03	1.20E-03	7.41E-04
2592	566835.79	4217221.39	3.50E-03	3.09E-03	5.01E-04	3.09E-04
2593	566850.59	4217231.06	3.21E-03	2.84E-03	4.60E-04	2.83E-04
2594	566865.38	4217240.72	2.94E-03	2.60E-03	4.21E-04	2.59E-04
2595	566818.08	4217217.64	3.61E-03	3.20E-03	5.18E-04	3.19E-04

2596	566798.68	4217188.5	4.49E-03	3.98E-03	6.44E-04	3.97E-04
2597	566769.59	4217144.8	5.81E-03	5.14E-03	8.33E-04	5.13E-04
2598	566759.89	4217130.23	6.19E-03	5.48E-03	8.87E-04	5.46E-04
2599	566750.2	4217115.66	6.52E-03	5.77E-03	9.34E-04	5.75E-04
2600	566740.5	4217101.09	6.77E-03	5.99E-03	9.71E-04	5.98E-04
2601	566721.11	4217071.95	7.09E-03	6.27E-03	1.02E-03	6.26E-04
2602	566711.41	4217057.38	7.14E-03	6.32E-03	1.02E-03	6.31E-04
2603	566701.71	4217042.81	7.14E-03	6.32E-03	1.02E-03	6.31E-04
2604	566693.94	4217019.71	7.25E-03	6.42E-03	1.04E-03	6.40E-04
2605	566697.8	4217002.64	7.56E-03	6.69E-03	1.08E-03	6.68E-04
2606	566701.66	4216985.57	7.83E-03	6.93E-03	1.12E-03	6.91E-04
2607	566705.51	4216968.5	8.06E-03	7.13E-03	1.16E-03	7.12E-04
2608	566709.37	4216951.43	8.24E-03	7.29E-03	1.18E-03	7.27E-04
2609	566713.23	4216934.36	8.36E-03	7.40E-03	1.20E-03	7.38E-04
2610	566717.08	4216917.28	8.42E-03	7.45E-03	1.21E-03	7.43E-04
2611	566722.87	4216891.68	8.38E-03	7.42E-03	1.20E-03	7.40E-04
2612	566726.73	4216874.61	8.28E-03	7.32E-03	1.19E-03	7.31E-04
2613	566830.32	4217229.76	3.28E-03	2.90E-03	4.70E-04	2.89E-04
2614	566845.12	4217239.43	3.01E-03	2.66E-03	4.31E-04	2.66E-04
2615	566859.91	4217249.09	2.76E-03	2.44E-03	3.96E-04	2.44E-04
2616	566812.62	4217226.04	3.39E-03	3.00E-03	4.86E-04	2.99E-04
2617	566793.3	4217197.01	4.20E-03	3.72E-03	6.03E-04	3.71E-04
2618	566783.64	4217182.49	4.63E-03	4.10E-03	6.64E-04	4.09E-04
2619	566773.97	4217167.97	5.05E-03	4.47E-03	7.24E-04	4.46E-04
2620	566744.99	4217124.42	6.14E-03	5.43E-03	8.81E-04	5.42E-04
2621	566735.32	4217109.9	6.41E-03	5.67E-03	9.19E-04	5.66E-04
2622	566716	4217080.87	6.75E-03	5.97E-03	9.68E-04	5.96E-04
2623	566706.34	4217066.35	6.83E-03	6.05E-03	9.80E-04	6.03E-04
2624	566696.67	4217051.84	6.86E-03	6.07E-03	9.83E-04	6.05E-04
2625	566687.01	4217037.32	6.83E-03	6.04E-03	9.79E-04	6.03E-04
2626	566684.1	4217021.56	6.95E-03	6.15E-03	9.96E-04	6.13E-04
2627	566687.94	4217004.55	7.24E-03	6.40E-03	1.04E-03	6.39E-04
2628	566695.63	4216970.53	7.71E-03	6.83E-03	1.11E-03	6.81E-04
2629	566699.47	4216953.52	7.89E-03	6.98E-03	1.13E-03	6.96E-04
2630	566703.32	4216936.51	8.01E-03	7.09E-03	1.15E-03	7.07E-04
2631	566707.16	4216919.5	8.08E-03	7.15E-03	1.16E-03	7.13E-04
2632	566730.22	4216817.44	7.25E-03	6.42E-03	1.04E-03	6.40E-04
2633	566824.85	4217238.13	3.07E-03	2.72E-03	4.41E-04	2.72E-04
2634	566839.65	4217247.8	2.83E-03	2.50E-03	4.05E-04	2.50E-04
2635	566854.44	4217257.46	2.60E-03	2.30E-03	3.72E-04	2.29E-04
2636	567028.78	4217030.96	5.95E-02	5.27E-02	8.54E-03	5.26E-03
2637	567018.45	4217028.67	5.47E-02	4.84E-02	7.84E-03	4.83E-03
2638	567040.63	4217040.44	5.56E-02	4.92E-02	7.98E-03	4.91E-03
2639	567029.22	4217040.64	4.82E-02	4.26E-02	6.91E-03	4.25E-03
2640	567017.41	4217038.02	4.49E-02	3.98E-02	6.44E-03	3.97E-03
2641	567055.69	4217042.82	6.43E-02	5.69E-02	9.22E-03	5.68E-03
2642	567045.39	4217048.5	4.75E-02	4.21E-02	6.82E-03	4.20E-03
2643	567034.69	4217051.43	3.97E-02	3.52E-02	5.70E-03	3.51E-03
2644	567023.2	4217048.89	3.81E-02	3.37E-02	5.46E-03	3.36E-03
2645	567011.72	4217046.34	3.65E-02	3.23E-02	5.23E-03	3.22E-03
2646	567063.55	4217049.18	5.78E-02	5.11E-02	8.29E-03	5.10E-03
2647	567053.43	4217054.75	4.32E-02	3.82E-02	6.20E-03	3.82E-03

2648	567043.31	4217060.32	3.43E-02	3.03E-02	4.92E-03	3.03E-03
2649	567081.31	4217050.08	7.40E-02	6.54E-02	1.06E-02	6.53E-03
2650	567071.33	4217055.58	5.14E-02	4.54E-02	7.36E-03	4.53E-03
2651	567061.34	4217061.08	3.87E-02	3.43E-02	5.56E-03	3.42E-03
2652	567088.71	4217056.68	6.34E-02	5.61E-02	9.09E-03	5.60E-03
2653	567078.11	4217062.52	4.40E-02	3.90E-02	6.31E-03	3.89E-03
2654	567067.51	4217068.36	3.30E-02	2.92E-02	4.73E-03	2.91E-03
2655	567046.31	4217080.03	2.18E-02	1.93E-02	3.12E-03	1.92E-03
2656	567030.97	4217079.36	2.10E-02	1.86E-02	3.01E-03	1.85E-03
2657	567019.15	4217076.74	2.13E-02	1.88E-02	3.05E-03	1.88E-03
2658	566995.52	4217071.51	2.15E-02	1.90E-02	3.08E-03	1.90E-03
2659	567096.37	4217063.15	5.40E-02	4.78E-02	7.74E-03	4.77E-03
2660	567085.94	4217068.89	3.87E-02	3.42E-02	5.54E-03	3.41E-03
2661	567054.64	4217086.13	1.95E-02	1.72E-02	2.79E-03	1.72E-03
2662	567040.33	4217091.02	1.69E-02	1.50E-02	2.42E-03	1.49E-03
2663	567028.7	4217088.44	1.74E-02	1.54E-02	2.49E-03	1.54E-03
2664	567017.07	4217085.86	1.78E-02	1.58E-02	2.56E-03	1.57E-03
2665	567104.02	4217069.62	4.57E-02	4.04E-02	6.55E-03	4.03E-03
2666	567093.72	4217075.29	3.36E-02	2.98E-02	4.82E-03	2.97E-03
2667	567073.11	4217086.64	2.08E-02	1.84E-02	2.98E-03	1.83E-03
2668	567062.8	4217092.32	1.74E-02	1.54E-02	2.49E-03	1.53E-03
2669	567052.49	4217097.99	1.50E-02	1.33E-02	2.15E-03	1.32E-03
2670	567041.8	4217100.93	1.39E-02	1.23E-02	2.00E-03	1.23E-03
2671	567030.31	4217098.38	1.44E-02	1.28E-02	2.07E-03	1.27E-03
2672	567018.82	4217095.84	1.49E-02	1.32E-02	2.14E-03	1.32E-03
2673	567007.34	4217093.29	1.54E-02	1.36E-02	2.20E-03	1.36E-03
2674	566984.37	4217088.2	1.60E-02	1.41E-02	2.29E-03	1.41E-03
2675	567070.85	4217098.56	1.55E-02	1.37E-02	2.22E-03	1.37E-03
2676	567060.65	4217104.18	1.34E-02	1.18E-02	1.92E-03	1.18E-03
2677	567050.45	4217109.8	1.19E-02	1.05E-02	1.70E-03	1.05E-03
2678	567039.46	4217109.99	1.17E-02	1.04E-02	1.68E-03	1.04E-03
2679	567028.09	4217107.47	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2680	567016.72	4217104.95	1.27E-02	1.13E-02	1.82E-03	1.12E-03
2681	567005.35	4217102.43	1.32E-02	1.17E-02	1.89E-03	1.16E-03
2682	567119.13	4217082.66	3.35E-02	2.97E-02	4.81E-03	2.96E-03
2683	567097.93	4217094.33	1.98E-02	1.75E-02	2.84E-03	1.75E-03
2684	567055.53	4217117.68	1.03E-02	9.13E-03	1.48E-03	9.11E-04
2685	567044.53	4217120.7	9.76E-03	8.63E-03	1.40E-03	8.62E-04
2686	567032.71	4217118.08	1.02E-02	9.04E-03	1.46E-03	9.02E-04
2687	567020.9	4217115.46	1.07E-02	9.45E-03	1.53E-03	9.43E-04
2688	567009.09	4217112.84	1.12E-02	9.87E-03	1.60E-03	9.85E-04
2689	566997.27	4217110.23	1.16E-02	1.03E-02	1.66E-03	1.02E-03
2690	566973.64	4217104.99	1.23E-02	1.09E-02	1.76E-03	1.08E-03
2691	567095.32	4217106.45	1.45E-02	1.29E-02	2.08E-03	1.28E-03
2692	567084.84	4217112.23	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2693	567042.1	4217129.74	8.43E-03	7.46E-03	1.21E-03	7.44E-04
2694	567030.41	4217127.15	8.83E-03	7.81E-03	1.27E-03	7.80E-04
2695	567018.73	4217124.56	9.25E-03	8.19E-03	1.33E-03	8.17E-04
2696	567007.04	4217121.97	9.68E-03	8.57E-03	1.39E-03	8.55E-04
2697	566995.36	4217119.38	1.01E-02	8.93E-03	1.45E-03	8.91E-04
2698	566983.67	4217116.8	1.05E-02	9.25E-03	1.50E-03	9.23E-04
2699	567117.1	4217105.14	1.78E-02	1.57E-02	2.55E-03	1.57E-03

2700	567096.32	4217116.58	1.18E-02	1.05E-02	1.69E-03	1.04E-03
2701	567085.94	4217122.3	1.01E-02	8.93E-03	1.45E-03	8.91E-04
2702	567075.55	4217128.02	8.86E-03	7.84E-03	1.27E-03	7.82E-04
2703	567065.16	4217133.74	7.95E-03	7.03E-03	1.14E-03	7.02E-04
2704	567043.59	4217139.66	7.26E-03	6.42E-03	1.04E-03	6.41E-04
2705	567032.01	4217137.09	7.59E-03	6.72E-03	1.09E-03	6.70E-04
2706	567020.44	4217134.53	7.96E-03	7.04E-03	1.14E-03	7.03E-04
2707	567008.86	4217131.96	8.34E-03	7.38E-03	1.20E-03	7.36E-04
2708	566997.28	4217129.39	8.72E-03	7.71E-03	1.25E-03	7.70E-04
2709	566985.7	4217126.83	9.07E-03	8.02E-03	1.30E-03	8.01E-04
2710	566962.55	4217121.7	9.67E-03	8.56E-03	1.39E-03	8.54E-04
2711	567124.87	4217111.54	1.65E-02	1.46E-02	2.37E-03	1.46E-03
2712	567114.56	4217117.22	1.33E-02	1.17E-02	1.90E-03	1.17E-03
2713	567093.95	4217128.57	9.34E-03	8.26E-03	1.34E-03	8.24E-04
2714	567083.65	4217134.24	8.17E-03	7.23E-03	1.17E-03	7.21E-04
2715	567073.34	4217139.92	7.31E-03	6.47E-03	1.05E-03	6.46E-04
2716	567063.04	4217145.59	6.66E-03	5.90E-03	9.55E-04	5.88E-04
2717	567037.42	4217147.87	6.50E-03	5.75E-03	9.32E-04	5.74E-04
2718	567025.93	4217145.33	6.80E-03	6.02E-03	9.75E-04	6.00E-04
2719	567014.44	4217142.78	7.12E-03	6.30E-03	1.02E-03	6.29E-04
2720	567002.96	4217140.24	7.46E-03	6.60E-03	1.07E-03	6.58E-04
2721	566991.47	4217137.69	7.79E-03	6.89E-03	1.12E-03	6.88E-04
2722	566979.99	4217135.15	8.10E-03	7.16E-03	1.16E-03	7.15E-04
2723	566957.01	4217130.06	8.65E-03	7.65E-03	1.24E-03	7.64E-04
2724	567121.29	4217124.2	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2725	567100.09	4217135.87	8.51E-03	7.53E-03	1.22E-03	7.51E-04
2726	567089.49	4217141.71	7.41E-03	6.56E-03	1.06E-03	6.55E-04
2727	567078.89	4217147.55	6.62E-03	5.86E-03	9.49E-04	5.84E-04
2728	567068.29	4217153.38	6.03E-03	5.33E-03	8.64E-04	5.32E-04
2729	567057.69	4217159.22	5.57E-03	4.93E-03	7.99E-04	4.92E-04
2730	567034.46	4217156.8	5.80E-03	5.13E-03	8.32E-04	5.12E-04
2731	567022.65	4217154.18	6.07E-03	5.37E-03	8.70E-04	5.36E-04
2732	567010.83	4217151.57	6.36E-03	5.62E-03	9.11E-04	5.61E-04
2733	566999.02	4217148.95	6.66E-03	5.89E-03	9.55E-04	5.88E-04
2734	566987.21	4217146.33	6.96E-03	6.16E-03	9.98E-04	6.14E-04
2735	566975.39	4217143.71	7.24E-03	6.41E-03	1.04E-03	6.40E-04
2736	566951.76	4217138.48	7.77E-03	6.88E-03	1.11E-03	6.86E-04
2737	567118.64	4217136.33	9.51E-03	8.42E-03	1.36E-03	8.40E-04
2738	567097.62	4217147.91	6.98E-03	6.18E-03	1.00E-03	6.16E-04
2739	567087.11	4217153.7	6.21E-03	5.49E-03	8.90E-04	5.48E-04
2740	567076.6	4217159.49	5.64E-03	4.99E-03	8.08E-04	4.98E-04
2741	567066.09	4217165.28	5.20E-03	4.60E-03	7.45E-04	4.59E-04
2742	567051.67	4217170.2	4.90E-03	4.33E-03	7.02E-04	4.32E-04
2743	567028.24	4217165.01	5.28E-03	4.67E-03	7.57E-04	4.66E-04
2744	567016.52	4217162.41	5.51E-03	4.88E-03	7.90E-04	4.87E-04
2745	567004.81	4217159.81	5.76E-03	5.10E-03	8.26E-04	5.09E-04
2746	566993.09	4217157.22	6.02E-03	5.33E-03	8.64E-04	5.32E-04
2747	566981.37	4217154.62	6.29E-03	5.56E-03	9.01E-04	5.55E-04
2748	566969.66	4217152.02	6.54E-03	5.79E-03	9.38E-04	5.78E-04
2749	566946.23	4217146.83	7.02E-03	6.22E-03	1.01E-03	6.20E-04
2750	567102.21	4217156.06	6.34E-03	5.61E-03	9.09E-04	5.60E-04
2751	567091.78	4217161.81	5.66E-03	5.01E-03	8.12E-04	5.00E-04

2752	567081.34	4217167.56	5.15E-03	4.56E-03	7.39E-04	4.55E-04
2753	567070.91	4217173.3	4.76E-03	4.21E-03	6.82E-04	4.20E-04
2754	567060.47	4217179.05	4.45E-03	3.93E-03	6.37E-04	3.93E-04
2755	567049.24	4217179.24	4.44E-03	3.93E-03	6.36E-04	3.92E-04
2756	567025.98	4217174.09	4.77E-03	4.22E-03	6.84E-04	4.21E-04
2757	567014.35	4217171.51	4.96E-03	4.39E-03	7.12E-04	4.38E-04
2758	567002.72	4217168.94	5.17E-03	4.58E-03	7.42E-04	4.57E-04
2759	566991.09	4217166.36	5.40E-03	4.78E-03	7.74E-04	4.77E-04
2760	566979.47	4217163.78	5.63E-03	4.98E-03	8.08E-04	4.97E-04
2761	566967.84	4217161.2	5.86E-03	5.19E-03	8.41E-04	5.18E-04
2762	566944.58	4217156.05	6.31E-03	5.59E-03	9.05E-04	5.57E-04
2763	567099.88	4217168.03	5.37E-03	4.75E-03	7.70E-04	4.74E-04
2764	567089.52	4217173.74	4.87E-03	4.31E-03	6.99E-04	4.30E-04
2765	567079.15	4217179.44	4.49E-03	3.97E-03	6.44E-04	3.97E-04
2766	567068.78	4217185.15	4.19E-03	3.70E-03	6.00E-04	3.70E-04
2767	567054.57	4217190.01	3.97E-03	3.52E-03	5.70E-04	3.51E-04
2768	567043.01	4217187.45	4.09E-03	3.62E-03	5.86E-04	3.61E-04
2769	567019.91	4217182.33	4.38E-03	3.88E-03	6.29E-04	3.87E-04
2770	567008.35	4217179.77	4.55E-03	4.03E-03	6.53E-04	4.02E-04
2771	566996.8	4217177.21	4.74E-03	4.19E-03	6.79E-04	4.18E-04
2772	566985.24	4217174.65	4.93E-03	4.37E-03	7.08E-04	4.36E-04
2773	566973.69	4217172.08	5.14E-03	4.55E-03	7.37E-04	4.54E-04
2774	566939.03	4217164.4	5.76E-03	5.10E-03	8.26E-04	5.08E-04
2775	567098.71	4217179.36	4.68E-03	4.14E-03	6.71E-04	4.13E-04
2776	567088.11	4217185.19	4.28E-03	3.79E-03	6.14E-04	3.78E-04
2777	567077.51	4217191.03	3.97E-03	3.52E-03	5.70E-04	3.51E-04
2778	567066.91	4217196.87	3.73E-03	3.30E-03	5.34E-04	3.29E-04
2779	567055.9	4217199.89	3.62E-03	3.20E-03	5.18E-04	3.19E-04
2780	567044.09	4217197.27	3.71E-03	3.29E-03	5.33E-04	3.28E-04
2781	567020.46	4217192.03	3.97E-03	3.51E-03	5.69E-04	3.50E-04
2782	567008.64	4217189.41	4.11E-03	3.64E-03	5.90E-04	3.63E-04
2783	566996.83	4217186.8	4.27E-03	3.78E-03	6.13E-04	3.77E-04
2784	566985.02	4217184.18	4.45E-03	3.94E-03	6.38E-04	3.93E-04
2785	566973.2	4217181.56	4.63E-03	4.10E-03	6.65E-04	4.09E-04
2786	566937.76	4217173.71	5.21E-03	4.61E-03	7.47E-04	4.60E-04
2787	566925.94	4217171.09	5.38E-03	4.76E-03	7.72E-04	4.75E-04
2788	567096.35	4217191.33	4.08E-03	3.61E-03	5.85E-04	3.60E-04
2789	567085.83	4217197.13	3.78E-03	3.34E-03	5.42E-04	3.34E-04
2790	567075.3	4217202.93	3.54E-03	3.13E-03	5.07E-04	3.12E-04
2791	567064.77	4217208.73	3.34E-03	2.96E-03	4.79E-04	2.95E-04
2792	567053.44	4217208.92	3.33E-03	2.95E-03	4.78E-04	2.94E-04
2793	567041.7	4217206.32	3.42E-03	3.03E-03	4.91E-04	3.02E-04
2794	567018.23	4217201.12	3.64E-03	3.22E-03	5.22E-04	3.21E-04
2795	567006.5	4217198.52	3.77E-03	3.33E-03	5.40E-04	3.33E-04
2796	566994.77	4217195.92	3.90E-03	3.45E-03	5.60E-04	3.45E-04
2797	566983.03	4217193.32	4.06E-03	3.59E-03	5.82E-04	3.58E-04
2798	566971.3	4217190.72	4.22E-03	3.73E-03	6.05E-04	3.72E-04
2799	566947.83	4217185.52	4.55E-03	4.03E-03	6.53E-04	4.02E-04
2800	566936.09	4217182.92	4.72E-03	4.18E-03	6.78E-04	4.17E-04
2801	566924.36	4217180.32	4.89E-03	4.33E-03	7.01E-04	4.32E-04
2802	567101.05	4217199.43	3.80E-03	3.36E-03	5.45E-04	3.35E-04
2803	567090.59	4217205.19	3.52E-03	3.12E-03	5.05E-04	3.11E-04

2804	567080.12	4217210.95	3.30E-03	2.92E-03	4.73E-04	2.92E-04
2805	567069.66	4217216.71	3.12E-03	2.76E-03	4.48E-04	2.76E-04
2806	567058.79	4217219.69	3.04E-03	2.69E-03	4.36E-04	2.69E-04
2807	567047.13	4217217.11	3.11E-03	2.75E-03	4.46E-04	2.75E-04
2808	567023.81	4217211.94	3.29E-03	2.91E-03	4.71E-04	2.90E-04
2809	567012.14	4217209.36	3.39E-03	3.00E-03	4.86E-04	2.99E-04
2810	567000.48	4217206.77	3.50E-03	3.10E-03	5.02E-04	3.09E-04
2811	566988.82	4217204.19	3.62E-03	3.21E-03	5.20E-04	3.20E-04
2812	566977.16	4217201.6	3.76E-03	3.33E-03	5.39E-04	3.32E-04
2813	566965.49	4217199.02	3.90E-03	3.45E-03	5.60E-04	3.45E-04
2814	566942.17	4217193.85	4.20E-03	3.72E-03	6.02E-04	3.71E-04
2815	566930.5	4217191.26	4.35E-03	3.85E-03	6.24E-04	3.84E-04
2816	566918.84	4217188.68	4.50E-03	3.99E-03	6.46E-04	3.98E-04
2817	567098.79	4217211.35	3.37E-03	2.98E-03	4.84E-04	2.98E-04
2818	567088.38	4217217.08	3.15E-03	2.79E-03	4.52E-04	2.79E-04
2819	567077.98	4217222.81	2.98E-03	2.64E-03	4.27E-04	2.63E-04
2820	567067.57	4217228.54	2.83E-03	2.51E-03	4.06E-04	2.50E-04
2821	567056.37	4217228.74	2.83E-03	2.50E-03	4.06E-04	2.50E-04
2822	567044.77	4217226.17	2.89E-03	2.56E-03	4.15E-04	2.55E-04
2823	567021.58	4217221.03	3.04E-03	2.69E-03	4.36E-04	2.69E-04
2824	567009.98	4217218.46	3.13E-03	2.77E-03	4.49E-04	2.77E-04
2825	566998.38	4217215.89	3.23E-03	2.86E-03	4.63E-04	2.85E-04
2826	566986.78	4217213.32	3.34E-03	2.95E-03	4.79E-04	2.95E-04
2827	566975.18	4217210.75	3.46E-03	3.06E-03	4.95E-04	3.05E-04
2828	566940.39	4217203.04	3.84E-03	3.40E-03	5.51E-04	3.39E-04
2829	566928.79	4217200.47	3.98E-03	3.52E-03	5.70E-04	3.51E-04
2830	566917.19	4217197.9	4.12E-03	3.64E-03	5.90E-04	3.64E-04
2831	567097.32	4217222.84	3.04E-03	2.69E-03	4.35E-04	2.68E-04
2832	567086.72	4217228.68	2.86E-03	2.53E-03	4.10E-04	2.52E-04
2833	567076.12	4217234.52	2.71E-03	2.40E-03	3.89E-04	2.39E-04
2834	567061.59	4217239.48	2.60E-03	2.30E-03	3.73E-04	2.30E-04
2835	567049.77	4217236.86	2.66E-03	2.35E-03	3.81E-04	2.35E-04
2836	567026.14	4217231.63	2.79E-03	2.46E-03	3.99E-04	2.46E-04
2837	567014.33	4217229.01	2.86E-03	2.53E-03	4.10E-04	2.53E-04
2838	567002.52	4217226.39	2.95E-03	2.61E-03	4.22E-04	2.60E-04
2839	566990.7	4217223.77	3.04E-03	2.69E-03	4.35E-04	2.68E-04
2840	566978.89	4217221.15	3.14E-03	2.77E-03	4.50E-04	2.77E-04
2841	566967.07	4217218.54	3.24E-03	2.87E-03	4.65E-04	2.86E-04
2842	566943.44	4217213.3	3.48E-03	3.08E-03	4.98E-04	3.07E-04
2843	566931.63	4217210.68	3.60E-03	3.18E-03	5.16E-04	3.18E-04
2844	566919.82	4217208.06	3.73E-03	3.30E-03	5.35E-04	3.29E-04
2845	566908	4217205.44	3.86E-03	3.41E-03	5.53E-04	3.41E-04
2846	567091.54	4217236.71	2.69E-03	2.38E-03	3.86E-04	2.38E-04
2847	567081	4217242.51	2.56E-03	2.26E-03	3.67E-04	2.26E-04
2848	567070.46	4217248.32	2.44E-03	2.16E-03	3.50E-04	2.16E-04
2849	567059.11	4217248.52	2.44E-03	2.16E-03	3.49E-04	2.15E-04
2850	567047.37	4217245.91	2.49E-03	2.20E-03	3.57E-04	2.20E-04
2851	567023.87	4217240.71	2.60E-03	2.30E-03	3.73E-04	2.30E-04
2852	567012.13	4217238.1	2.67E-03	2.36E-03	3.83E-04	2.36E-04
2853	567000.38	4217235.5	2.74E-03	2.43E-03	3.93E-04	2.42E-04
2854	566988.63	4217232.9	2.82E-03	2.50E-03	4.05E-04	2.49E-04
2855	566976.89	4217230.29	2.91E-03	2.57E-03	4.17E-04	2.57E-04

2856	566965.14	4217227.69	3.00E-03	2.65E-03	4.30E-04	2.65E-04
2857	566941.64	4217222.48	3.20E-03	2.84E-03	4.59E-04	2.83E-04
2858	566929.9	4217219.88	3.31E-03	2.93E-03	4.75E-04	2.93E-04
2859	566918.15	4217217.28	3.43E-03	3.04E-03	4.92E-04	3.03E-04
2860	566906.4	4217214.67	3.55E-03	3.14E-03	5.09E-04	3.13E-04
2861	567089.34	4217248.6	2.45E-03	2.17E-03	3.52E-04	2.17E-04
2862	567078.85	4217254.38	2.34E-03	2.07E-03	3.36E-04	2.07E-04
2863	567064.47	4217259.29	2.26E-03	2.00E-03	3.24E-04	1.99E-04
2864	567052.79	4217256.7	2.30E-03	2.04E-03	3.30E-04	2.03E-04
2865	567041.1	4217254.11	2.35E-03	2.08E-03	3.37E-04	2.07E-04
2866	567017.73	4217248.93	2.46E-03	2.17E-03	3.52E-04	2.17E-04
2867	567006.04	4217246.34	2.52E-03	2.23E-03	3.61E-04	2.22E-04
2868	566994.36	4217243.75	2.58E-03	2.29E-03	3.70E-04	2.28E-04
2869	566982.67	4217241.16	2.65E-03	2.35E-03	3.80E-04	2.34E-04
2870	566970.99	4217238.57	2.73E-03	2.41E-03	3.91E-04	2.41E-04
2871	566947.61	4217233.39	2.90E-03	2.57E-03	4.16E-04	2.56E-04
2872	566935.93	4217230.8	3.00E-03	2.65E-03	4.30E-04	2.65E-04
2873	566924.24	4217228.21	3.10E-03	2.74E-03	4.44E-04	2.74E-04
2874	566912.56	4217225.62	3.20E-03	2.83E-03	4.59E-04	2.83E-04
2875	566900.87	4217223.03	3.31E-03	2.93E-03	4.75E-04	2.92E-04
2876	567087.18	4217260.47	2.25E-03	1.99E-03	3.23E-04	1.99E-04
2877	567076.74	4217266.22	2.16E-03	1.91E-03	3.09E-04	1.90E-04
2878	567065.91	4217269.19	2.11E-03	1.87E-03	3.03E-04	1.87E-04
2879	567054.28	4217266.61	2.15E-03	1.90E-03	3.08E-04	1.90E-04
2880	567042.65	4217264.03	2.19E-03	1.94E-03	3.14E-04	1.94E-04
2881	567019.39	4217258.88	2.29E-03	2.03E-03	3.28E-04	2.02E-04
2882	567007.76	4217256.3	2.34E-03	2.07E-03	3.36E-04	2.07E-04
2883	566996.13	4217253.73	2.40E-03	2.12E-03	3.44E-04	2.12E-04
2884	566984.51	4217251.15	2.46E-03	2.18E-03	3.52E-04	2.17E-04
2885	566972.88	4217248.57	2.52E-03	2.23E-03	3.62E-04	2.23E-04
2886	566937.99	4217240.84	2.75E-03	2.44E-03	3.95E-04	2.43E-04
2887	566926.36	4217238.26	2.84E-03	2.51E-03	4.07E-04	2.51E-04
2888	566914.73	4217235.69	2.93E-03	2.60E-03	4.21E-04	2.59E-04
2889	566903.1	4217233.11	3.03E-03	2.68E-03	4.35E-04	2.68E-04
2890	566891.47	4217230.53	3.13E-03	2.77E-03	4.49E-04	2.76E-04
2891	567016.08	4217267.73	2.16E-03	1.91E-03	3.10E-04	1.91E-04
2892	567004.26	4217265.11	2.21E-03	1.95E-03	3.17E-04	1.95E-04
2893	566992.45	4217262.49	2.26E-03	2.00E-03	3.24E-04	2.00E-04
2894	566980.63	4217259.87	2.31E-03	2.05E-03	3.32E-04	2.04E-04
2895	566968.82	4217257.26	2.37E-03	2.10E-03	3.40E-04	2.09E-04
2896	566945.19	4217252.02	2.51E-03	2.22E-03	3.59E-04	2.21E-04
2897	566933.38	4217249.4	2.58E-03	2.28E-03	3.70E-04	2.28E-04
2898	566921.56	4217246.78	2.66E-03	2.36E-03	3.82E-04	2.35E-04
2899	566909.75	4217244.17	2.75E-03	2.43E-03	3.94E-04	2.43E-04
2900	566897.94	4217241.55	2.84E-03	2.51E-03	4.07E-04	2.51E-04
2901	566974.66	4217268.13	2.19E-03	1.94E-03	3.14E-04	1.93E-04
2902	566962.91	4217265.53	2.24E-03	1.98E-03	3.22E-04	1.98E-04
2903	566939.39	4217260.32	2.37E-03	2.09E-03	3.39E-04	2.09E-04
2904	566927.64	4217257.71	2.43E-03	2.15E-03	3.49E-04	2.15E-04
2905	566915.88	4217255.11	2.51E-03	2.22E-03	3.60E-04	2.21E-04
2906	566904.13	4217252.5	2.59E-03	2.29E-03	3.71E-04	2.28E-04
2907	566892.37	4217249.9	2.67E-03	2.36E-03	3.83E-04	2.36E-04

2908	567088.05	4217292.03	1.83E-03	1.62E-03	2.62E-04	1.62E-04
2909	567077.55	4217297.82	1.77E-03	1.56E-03	2.53E-04	1.56E-04
2910	567066.25	4217298.01	1.77E-03	1.56E-03	2.53E-04	1.56E-04
2911	567054.55	4217295.42	1.80E-03	1.59E-03	2.58E-04	1.59E-04
2912	567042.85	4217292.83	1.83E-03	1.62E-03	2.63E-04	1.62E-04
2913	566925.82	4217266.89	2.28E-03	2.02E-03	3.27E-04	2.01E-04
2914	566914.12	4217264.3	2.34E-03	2.07E-03	3.36E-04	2.07E-04
2915	566902.41	4217261.71	2.41E-03	2.13E-03	3.46E-04	2.13E-04
2916	566890.71	4217259.11	2.49E-03	2.20E-03	3.57E-04	2.20E-04
2917	567092.9	4217300.05	1.74E-03	1.54E-03	2.50E-04	1.54E-04
2918	567082.44	4217305.8	1.68E-03	1.49E-03	2.42E-04	1.49E-04
2919	567071.59	4217308.78	1.66E-03	1.47E-03	2.38E-04	1.46E-04
2920	567059.94	4217306.2	1.69E-03	1.49E-03	2.42E-04	1.49E-04
2921	567048.28	4217303.62	1.72E-03	1.52E-03	2.46E-04	1.52E-04
2922	567024.98	4217298.45	1.78E-03	1.58E-03	2.55E-04	1.57E-04
2923	567013.32	4217295.87	1.81E-03	1.60E-03	2.60E-04	1.60E-04
2924	567001.67	4217293.29	1.85E-03	1.63E-03	2.65E-04	1.63E-04
2925	566896.79	4217270.05	2.28E-03	2.02E-03	3.27E-04	2.01E-04
2926	566873.49	4217264.88	2.42E-03	2.14E-03	3.47E-04	2.13E-04
2927	566984.36	4217075.23	1.95E-02	1.72E-02	2.79E-03	1.72E-03
2928	566921.49	4217140.18	7.55E-03	6.68E-03	1.08E-03	6.66E-04
2929	566915.24	4217147.99	6.91E-03	6.11E-03	9.91E-04	6.10E-04
2930	566908.99	4217155.79	6.34E-03	5.61E-03	9.10E-04	5.60E-04
2931	566871.81	4217215.7	3.61E-03	3.19E-03	5.18E-04	3.19E-04
2932	566865.55	4217223.5	3.39E-03	3.00E-03	4.86E-04	2.99E-04
2933	566941.1	4216986.91	3.86E-02	3.41E-02	5.53E-03	3.41E-03
2934	567105.11	4217057.3	7.77E-02	6.88E-02	1.11E-02	6.86E-03
2935	567123.77	4217062.54	7.43E-02	6.58E-02	1.07E-02	6.56E-03
2936	567133.1	4217065.16	7.18E-02	6.35E-02	1.03E-02	6.34E-03
2937	567121.07	4217072.17	4.89E-02	4.33E-02	7.01E-03	4.32E-03
2938	567130.4	4217074.79	4.85E-02	4.29E-02	6.96E-03	4.28E-03
2939	566971.93	4217095.26	1.41E-02	1.24E-02	2.02E-03	1.24E-03
2940	566934.25	4217088.37	1.40E-02	1.24E-02	2.01E-03	1.24E-03
2941	566937.86	4217114.93	1.03E-02	9.07E-03	1.47E-03	9.06E-04
2942	566923.51	4217103.3	1.15E-02	1.01E-02	1.64E-03	1.01E-03
2943	566892.71	4216996.09	2.34E-02	2.07E-02	3.36E-03	2.07E-03
2944	566874.6	4217000.12	2.01E-02	1.77E-02	2.88E-03	1.77E-03
2945	566828.79	4217003.34	1.46E-02	1.29E-02	2.09E-03	1.29E-03
2946	566887.02	4217191.93	4.44E-03	3.93E-03	6.36E-04	3.92E-04
2947	566872.25	4217179.96	4.97E-03	4.40E-03	7.13E-04	4.39E-04
2948	566801.76	4217011.12	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2949	567053.43	4217312.85	1.63E-03	1.44E-03	2.33E-04	1.44E-04
2950	567062.76	4217315.47	1.60E-03	1.41E-03	2.29E-04	1.41E-04
2951	567072.09	4217318.09	1.57E-03	1.39E-03	2.26E-04	1.39E-04
2952	566852.55	4217211.27	3.78E-03	3.35E-03	5.43E-04	3.34E-04
2953	566966.74	4217298.87	1.81E-03	1.60E-03	2.59E-04	1.60E-04
2954	566976.07	4217301.49	1.77E-03	1.57E-03	2.54E-04	1.57E-04
2955	566985.4	4217304.12	1.74E-03	1.54E-03	2.50E-04	1.54E-04
2956	566994.73	4217306.74	1.71E-03	1.51E-03	2.45E-04	1.51E-04
2957	567004.06	4217309.36	1.68E-03	1.49E-03	2.41E-04	1.49E-04
2958	567013.4	4217311.98	1.65E-03	1.46E-03	2.37E-04	1.46E-04
2959	567022.73	4217314.61	1.63E-03	1.44E-03	2.33E-04	1.44E-04

2960	567041.39	4217319.85	1.57E-03	1.39E-03	2.25E-04	1.39E-04
2961	567050.72	4217322.47	1.54E-03	1.37E-03	2.21E-04	1.36E-04
2962	567060.05	4217325.1	1.52E-03	1.34E-03	2.18E-04	1.34E-04
2963	567069.39	4217327.72	1.49E-03	1.32E-03	2.14E-04	1.32E-04
2964	566947.27	4217299.85	1.81E-03	1.60E-03	2.59E-04	1.60E-04
2965	566939.83	4217293.83	1.88E-03	1.67E-03	2.70E-04	1.66E-04
2966	566765.45	4217018.17	9.97E-03	8.82E-03	1.43E-03	8.81E-04
2967	566964.03	4217308.5	1.71E-03	1.51E-03	2.45E-04	1.51E-04
2968	566973.36	4217311.12	1.68E-03	1.49E-03	2.41E-04	1.48E-04
2969	566982.7	4217313.74	1.65E-03	1.46E-03	2.37E-04	1.46E-04
2970	566992.03	4217316.36	1.62E-03	1.44E-03	2.33E-04	1.43E-04
2971	567001.36	4217318.99	1.60E-03	1.41E-03	2.29E-04	1.41E-04
2972	567010.69	4217321.61	1.57E-03	1.39E-03	2.25E-04	1.39E-04
2973	567020.02	4217324.23	1.54E-03	1.37E-03	2.21E-04	1.36E-04
2974	567038.69	4217329.48	1.49E-03	1.32E-03	2.14E-04	1.32E-04
2975	567048.02	4217332.1	1.47E-03	1.30E-03	2.10E-04	1.30E-04
2976	567057.35	4217334.72	1.44E-03	1.28E-03	2.07E-04	1.28E-04
2977	567066.68	4217337.34	1.42E-03	1.26E-03	2.04E-04	1.26E-04
2978	566944.61	4217309.52	1.71E-03	1.51E-03	2.45E-04	1.51E-04
2979	566937.23	4217303.54	1.78E-03	1.57E-03	2.55E-04	1.57E-04
2980	566929.85	4217297.55	1.85E-03	1.64E-03	2.65E-04	1.63E-04
2981	566870.79	4217249.69	2.72E-03	2.41E-03	3.91E-04	2.40E-04
2982	566970.66	4217320.75	1.59E-03	1.41E-03	2.29E-04	1.41E-04
2983	566979.99	4217323.37	1.57E-03	1.39E-03	2.25E-04	1.38E-04
2984	566989.32	4217325.99	1.54E-03	1.37E-03	2.21E-04	1.36E-04
2985	566998.65	4217328.61	1.52E-03	1.34E-03	2.18E-04	1.34E-04
2986	567007.98	4217331.24	1.49E-03	1.32E-03	2.14E-04	1.32E-04
2987	567017.32	4217333.86	1.47E-03	1.30E-03	2.11E-04	1.30E-04
2988	567026.65	4217336.48	1.45E-03	1.28E-03	2.07E-04	1.28E-04
2989	567045.31	4217341.73	1.40E-03	1.24E-03	2.01E-04	1.24E-04
2990	567054.64	4217344.35	1.38E-03	1.22E-03	1.97E-04	1.22E-04
2991	567063.97	4217346.97	1.36E-03	1.20E-03	1.94E-04	1.20E-04
2992	566941.95	4217319.18	1.62E-03	1.43E-03	2.32E-04	1.43E-04
2993	566934.62	4217313.24	1.68E-03	1.48E-03	2.40E-04	1.48E-04
2994	566927.28	4217307.29	1.74E-03	1.54E-03	2.50E-04	1.54E-04
2995	566919.95	4217301.35	1.81E-03	1.60E-03	2.60E-04	1.60E-04
2996	566912.61	4217295.41	1.89E-03	1.67E-03	2.71E-04	1.67E-04
2997	566773.24	4217182.46	4.58E-03	4.05E-03	6.57E-04	4.05E-04
2998	566765.91	4217176.51	4.72E-03	4.18E-03	6.77E-04	4.17E-04
2999	566757.86	4217161.15	5.14E-03	4.55E-03	7.37E-04	4.54E-04
3000	566949.29	4217325.13	1.56E-03	1.38E-03	2.24E-04	1.38E-04
3001	566967.95	4217330.37	1.51E-03	1.34E-03	2.17E-04	1.34E-04
3002	566977.28	4217333	1.49E-03	1.32E-03	2.14E-04	1.32E-04
3003	566986.62	4217335.62	1.47E-03	1.30E-03	2.11E-04	1.30E-04
3004	566995.95	4217338.24	1.45E-03	1.28E-03	2.07E-04	1.28E-04
3005	567005.28	4217340.86	1.42E-03	1.26E-03	2.04E-04	1.26E-04
3006	567014.61	4217343.49	1.40E-03	1.24E-03	2.01E-04	1.24E-04
3007	567023.94	4217346.11	1.38E-03	1.22E-03	1.98E-04	1.22E-04
3008	567042.61	4217351.35	1.34E-03	1.18E-03	1.92E-04	1.18E-04
3009	567051.94	4217353.98	1.31E-03	1.16E-03	1.88E-04	1.16E-04
3010	567061.27	4217356.6	1.29E-03	1.14E-03	1.86E-04	1.14E-04
3011	567279.1	4217261.6	4.75E-03	4.20E-03	6.81E-04	4.19E-04

3012	567122.82	4217293.39	1.85E-03	1.64E-03	2.66E-04	1.64E-04
3013	567289.51	4217263.28	4.88E-03	4.32E-03	7.00E-04	4.31E-04
3014	567218.76	4217291.17	2.57E-03	2.27E-03	3.68E-04	2.27E-04
3015	567209.76	4217292.25	2.43E-03	2.15E-03	3.48E-04	2.15E-04
3016	567200.77	4217293.34	2.31E-03	2.04E-03	3.31E-04	2.04E-04
3017	567191.77	4217294.42	2.20E-03	1.95E-03	3.15E-04	1.94E-04
3018	567173.77	4217296.58	2.02E-03	1.79E-03	2.90E-04	1.78E-04
3019	567164.77	4217297.66	1.95E-03	1.73E-03	2.80E-04	1.72E-04
3020	567155.78	4217298.74	1.89E-03	1.67E-03	2.71E-04	1.67E-04
3021	567146.78	4217299.82	1.84E-03	1.63E-03	2.64E-04	1.63E-04
3022	567137.78	4217300.9	1.80E-03	1.59E-03	2.58E-04	1.59E-04
3023	567119.79	4217303.06	1.74E-03	1.54E-03	2.49E-04	1.53E-04
3024	567305.4	4217257.97	5.47E-03	4.84E-03	7.85E-04	4.83E-04
3025	567268.72	4217294.48	3.22E-03	2.85E-03	4.62E-04	2.85E-04
3026	567250.84	4217296.62	2.88E-03	2.55E-03	4.13E-04	2.54E-04
3027	567232.97	4217298.77	2.57E-03	2.27E-03	3.69E-04	2.27E-04
3028	567215.09	4217300.92	2.31E-03	2.04E-03	3.31E-04	2.04E-04
3029	567197.22	4217303.06	2.09E-03	1.85E-03	3.00E-04	1.85E-04
3030	567179.34	4217305.21	1.93E-03	1.71E-03	2.76E-04	1.70E-04
3031	567170.4	4217306.28	1.86E-03	1.65E-03	2.67E-04	1.64E-04
3032	567152.53	4217308.43	1.76E-03	1.55E-03	2.52E-04	1.55E-04
3033	567134.65	4217310.58	1.68E-03	1.49E-03	2.41E-04	1.49E-04
3034	567116.78	4217312.72	1.63E-03	1.45E-03	2.34E-04	1.44E-04
3035	567089.97	4217315.94	1.59E-03	1.41E-03	2.28E-04	1.40E-04
3036	567317.1	4217258.02	5.68E-03	5.03E-03	8.14E-04	5.02E-04
3037	567311.34	4217265.37	5.19E-03	4.59E-03	7.44E-04	4.58E-04
3038	567288.32	4217294.77	3.54E-03	3.13E-03	5.07E-04	3.12E-04
3039	567273.3	4217303.23	3.03E-03	2.68E-03	4.35E-04	2.68E-04
3040	567254.76	4217305.46	2.70E-03	2.39E-03	3.88E-04	2.39E-04
3041	567245.49	4217306.57	2.55E-03	2.26E-03	3.66E-04	2.25E-04
3042	567236.22	4217307.68	2.41E-03	2.13E-03	3.46E-04	2.13E-04
3043	567226.95	4217308.79	2.28E-03	2.02E-03	3.27E-04	2.01E-04
3044	567217.68	4217309.91	2.16E-03	1.91E-03	3.10E-04	1.91E-04
3045	567208.42	4217311.02	2.06E-03	1.82E-03	2.95E-04	1.82E-04
3046	567199.15	4217312.13	1.96E-03	1.74E-03	2.81E-04	1.73E-04
3047	567171.34	4217315.47	1.75E-03	1.55E-03	2.51E-04	1.54E-04
3048	567162.07	4217316.59	1.70E-03	1.50E-03	2.43E-04	1.50E-04
3049	567152.8	4217317.7	1.65E-03	1.46E-03	2.37E-04	1.46E-04
3050	567143.53	4217318.81	1.62E-03	1.43E-03	2.32E-04	1.43E-04
3051	567134.27	4217319.93	1.59E-03	1.41E-03	2.28E-04	1.40E-04
3052	567125	4217321.04	1.56E-03	1.38E-03	2.24E-04	1.38E-04
3053	567115.73	4217322.15	1.55E-03	1.37E-03	2.22E-04	1.36E-04
3054	567097.19	4217324.38	1.52E-03	1.34E-03	2.18E-04	1.34E-04
3055	567087.92	4217325.49	1.51E-03	1.34E-03	2.16E-04	1.33E-04
3056	567078.65	4217326.6	1.50E-03	1.33E-03	2.15E-04	1.33E-04
3057	567401.72	4217164.92	1.11E-02	9.78E-03	1.58E-03	9.76E-04
3058	567384.58	4217186.81	1.03E-02	9.15E-03	1.48E-03	9.13E-04
3059	567378.87	4217194.1	1.00E-02	8.85E-03	1.43E-03	8.83E-04
3060	567373.16	4217201.4	9.61E-03	8.51E-03	1.38E-03	8.49E-04
3061	567367.45	4217208.69	9.19E-03	8.13E-03	1.32E-03	8.12E-04
3062	567356.02	4217223.28	8.25E-03	7.30E-03	1.18E-03	7.29E-04
3063	567350.31	4217230.58	7.75E-03	6.86E-03	1.11E-03	6.85E-04

3064	567344.6	4217237.87	7.25E-03	6.41E-03	1.04E-03	6.40E-04
3065	567327.46	4217259.76	5.75E-03	5.09E-03	8.25E-04	5.08E-04
3066	567304.61	4217288.94	4.02E-03	3.56E-03	5.76E-04	3.55E-04
3067	567298.9	4217296.24	3.66E-03	3.24E-03	5.24E-04	3.23E-04
3068	567293.18	4217303.53	3.33E-03	2.94E-03	4.77E-04	2.94E-04
3069	567278.27	4217311.93	2.86E-03	2.53E-03	4.11E-04	2.53E-04
3070	567269.07	4217313.04	2.71E-03	2.40E-03	3.88E-04	2.39E-04
3071	567250.67	4217315.25	2.42E-03	2.14E-03	3.47E-04	2.14E-04
3072	567241.47	4217316.35	2.29E-03	2.03E-03	3.28E-04	2.02E-04
3073	567232.27	4217317.46	2.17E-03	1.92E-03	3.11E-04	1.92E-04
3074	567223.07	4217318.56	2.06E-03	1.82E-03	2.95E-04	1.82E-04
3075	567213.87	4217319.67	1.96E-03	1.74E-03	2.81E-04	1.73E-04
3076	567204.68	4217320.77	1.87E-03	1.66E-03	2.69E-04	1.66E-04
3077	567195.48	4217321.88	1.80E-03	1.59E-03	2.58E-04	1.59E-04
3078	567177.08	4217324.09	1.67E-03	1.48E-03	2.40E-04	1.48E-04
3079	567167.88	4217325.19	1.62E-03	1.44E-03	2.33E-04	1.43E-04
3080	567158.68	4217326.3	1.58E-03	1.40E-03	2.27E-04	1.40E-04
3081	567149.48	4217327.4	1.55E-03	1.37E-03	2.22E-04	1.37E-04
3082	567140.28	4217328.51	1.52E-03	1.34E-03	2.18E-04	1.34E-04
3083	567131.08	4217329.61	1.50E-03	1.32E-03	2.14E-04	1.32E-04
3084	567121.88	4217330.72	1.48E-03	1.31E-03	2.12E-04	1.30E-04
3085	567094.28	4217334.03	1.44E-03	1.28E-03	2.07E-04	1.27E-04
3086	567085.08	4217335.13	1.43E-03	1.27E-03	2.06E-04	1.27E-04
3087	567075.88	4217336.24	1.43E-03	1.26E-03	2.05E-04	1.26E-04
3088	567394.49	4217189.13	9.98E-03	8.84E-03	1.43E-03	8.82E-04
3089	567388.82	4217196.38	9.69E-03	8.57E-03	1.39E-03	8.56E-04
3090	567383.15	4217203.62	9.35E-03	8.28E-03	1.34E-03	8.26E-04
3091	567377.48	4217210.87	8.97E-03	7.94E-03	1.29E-03	7.93E-04
3092	567371.8	4217218.11	8.56E-03	7.58E-03	1.23E-03	7.56E-04
3093	567366.13	4217225.36	8.13E-03	7.19E-03	1.17E-03	7.18E-04
3094	567360.46	4217232.6	7.67E-03	6.79E-03	1.10E-03	6.77E-04
3095	567354.78	4217239.85	7.20E-03	6.37E-03	1.03E-03	6.36E-04
3096	567349.11	4217247.09	6.73E-03	5.96E-03	9.65E-04	5.94E-04
3097	567315.07	4217290.56	4.13E-03	3.65E-03	5.92E-04	3.64E-04
3098	567309.4	4217297.81	3.77E-03	3.33E-03	5.40E-04	3.33E-04
3099	567298.05	4217312.3	3.13E-03	2.77E-03	4.49E-04	2.77E-04
3100	567283.24	4217320.64	2.71E-03	2.40E-03	3.88E-04	2.39E-04
3101	567274.11	4217321.74	2.56E-03	2.27E-03	3.68E-04	2.26E-04
3102	567246.7	4217325.03	2.18E-03	1.93E-03	3.13E-04	1.92E-04
3103	567237.56	4217326.12	2.07E-03	1.83E-03	2.97E-04	1.83E-04
3104	567228.43	4217327.22	1.97E-03	1.74E-03	2.82E-04	1.74E-04
3105	567219.29	4217328.32	1.87E-03	1.66E-03	2.69E-04	1.66E-04
3106	567210.15	4217329.42	1.79E-03	1.59E-03	2.57E-04	1.58E-04
3107	567201.02	4217330.51	1.72E-03	1.52E-03	2.47E-04	1.52E-04
3108	567191.88	4217331.61	1.66E-03	1.47E-03	2.38E-04	1.46E-04
3109	567173.61	4217333.81	1.56E-03	1.38E-03	2.23E-04	1.37E-04
3110	567164.47	4217334.9	1.52E-03	1.34E-03	2.17E-04	1.34E-04
3111	567155.34	4217336	1.48E-03	1.31E-03	2.12E-04	1.31E-04
3112	567146.2	4217337.1	1.45E-03	1.29E-03	2.09E-04	1.28E-04
3113	567137.06	4217338.19	1.43E-03	1.27E-03	2.05E-04	1.26E-04
3114	567127.93	4217339.29	1.41E-03	1.25E-03	2.03E-04	1.25E-04
3115	567118.79	4217340.39	1.40E-03	1.24E-03	2.01E-04	1.24E-04

3116	567100.52	4217342.58	1.38E-03	1.22E-03	1.98E-04	1.22E-04
3117	567091.38	4217343.68	1.37E-03	1.21E-03	1.97E-04	1.21E-04
3118	567082.25	4217344.78	1.37E-03	1.21E-03	1.96E-04	1.21E-04
3119	567073.11	4217345.87	1.36E-03	1.20E-03	1.95E-04	1.20E-04
3120	567398.75	4217198.68	9.38E-03	8.30E-03	1.35E-03	8.29E-04
3121	567393.11	4217205.88	9.09E-03	8.04E-03	1.30E-03	8.02E-04
3122	567381.84	4217220.27	8.38E-03	7.42E-03	1.20E-03	7.40E-04
3123	567370.56	4217234.67	7.57E-03	6.70E-03	1.09E-03	6.69E-04
3124	567364.93	4217241.87	7.14E-03	6.32E-03	1.02E-03	6.31E-04
3125	567353.65	4217256.27	6.26E-03	5.54E-03	8.98E-04	5.53E-04
3126	567325.47	4217292.26	4.22E-03	3.73E-03	6.05E-04	3.73E-04
3127	567319.83	4217299.46	3.87E-03	3.42E-03	5.54E-04	3.41E-04
3128	567308.56	4217313.86	3.23E-03	2.86E-03	4.64E-04	2.86E-04
3129	567288.21	4217329.34	2.56E-03	2.27E-03	3.68E-04	2.26E-04
3130	567279.13	4217330.43	2.43E-03	2.15E-03	3.49E-04	2.15E-04
3131	567270.06	4217331.52	2.31E-03	2.04E-03	3.31E-04	2.04E-04
3132	567251.9	4217333.71	2.08E-03	1.84E-03	2.98E-04	1.83E-04
3133	567242.82	4217334.8	1.97E-03	1.75E-03	2.83E-04	1.74E-04
3134	567233.74	4217335.89	1.88E-03	1.66E-03	2.69E-04	1.66E-04
3135	567224.67	4217336.98	1.79E-03	1.59E-03	2.57E-04	1.58E-04
3136	567215.59	4217338.07	1.72E-03	1.52E-03	2.46E-04	1.51E-04
3137	567206.51	4217339.16	1.65E-03	1.46E-03	2.36E-04	1.45E-04
3138	567197.43	4217340.25	1.59E-03	1.40E-03	2.28E-04	1.40E-04
3139	567179.28	4217342.43	1.49E-03	1.32E-03	2.14E-04	1.32E-04
3140	567170.2	4217343.52	1.45E-03	1.29E-03	2.08E-04	1.28E-04
3141	567161.12	4217344.61	1.42E-03	1.26E-03	2.04E-04	1.25E-04
3142	567152.05	4217345.7	1.39E-03	1.23E-03	2.00E-04	1.23E-04
3143	567142.97	4217346.79	1.37E-03	1.21E-03	1.97E-04	1.21E-04
3144	567133.89	4217347.88	1.35E-03	1.20E-03	1.94E-04	1.20E-04
3145	567124.81	4217348.97	1.34E-03	1.19E-03	1.92E-04	1.18E-04
3146	567115.74	4217350.06	1.33E-03	1.18E-03	1.91E-04	1.17E-04
3147	567097.58	4217352.24	1.31E-03	1.16E-03	1.88E-04	1.16E-04
3148	567088.5	4217353.33	1.31E-03	1.16E-03	1.87E-04	1.15E-04
3149	567079.42	4217354.42	1.30E-03	1.15E-03	1.87E-04	1.15E-04
3150	567070.35	4217355.51	1.30E-03	1.15E-03	1.86E-04	1.15E-04

			T2			T3			T4I			T4f		
			18	567182.66										
					8.97E-07			7.86E-07			1.12E-07			8.05E-08
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	567145.96	4217064.54	1.96E-07	2.12E-07	4.08E-07	1.70E-07	1.87E-07	3.57E-07	2.06E-08	3.03E-08	5.09E-08	1.79E-08	1.87E-08	3.66E-08
2	567143.55	4217074.25	1.34E-07	1.44E-07	2.78E-07	1.16E-07	1.28E-07	2.44E-07	1.40E-08	2.07E-08	3.47E-08	1.22E-08	1.27E-08	2.49E-08
3	567141.15	4217083.96	9.57E-08	1.03E-07	1.99E-07	8.30E-08	9.14E-08	1.74E-07	1.00E-08	1.48E-08	2.48E-08	8.74E-09	9.12E-09	1.79E-08
4	567133.93	4217113.08	4.16E-08	4.49E-08	8.66E-08	3.61E-08	3.98E-08	7.59E-08	4.37E-09	6.44E-09	1.08E-08	3.80E-09	3.97E-09	7.77E-09
5	567131.52	4217122.78	3.29E-08	3.56E-08	6.85E-08	2.86E-08	3.15E-08	6.01E-08	3.46E-09	5.10E-09	8.55E-09	3.01E-09	3.14E-09	6.15E-09
6	567129.11	4217132.49	2.66E-08	2.87E-08	5.53E-08	2.31E-08	2.54E-08	4.85E-08	2.79E-09	4.12E-09	6.90E-09	2.43E-09	2.53E-09	4.96E-09
7	567126.71	4217142.19	2.19E-08	2.36E-08	4.55E-08	1.90E-08	2.09E-08	3.99E-08	2.29E-09	3.39E-09	5.68E-09	2.00E-09	2.08E-09	4.08E-09
8	567124.3	4217151.9	1.83E-08	1.98E-08	3.81E-08	1.59E-08	1.75E-08	3.34E-08	1.92E-09	2.83E-09	4.75E-09	1.67E-09	1.74E-09	3.42E-09
9	567121.89	4217161.61	1.56E-08	1.68E-08	3.24E-08	1.35E-08	1.49E-08	2.84E-08	1.63E-09	2.41E-09	4.04E-09	1.42E-09	1.48E-09	2.91E-09
10	567119.49	4217171.31	1.34E-08	1.45E-08	2.79E-08	1.17E-08	1.28E-08	2.45E-08	1.41E-09	2.08E-09	3.49E-09	1.23E-09	1.28E-09	2.51E-09
11	567117.08	4217181.02	1.17E-08	1.27E-08	2.44E-08	1.02E-08	1.12E-08	2.14E-08	1.23E-09	1.82E-09	3.05E-09	1.07E-09	1.12E-09	2.19E-09
12	567114.67	4217190.72	1.04E-08	1.12E-08	2.16E-08	9.01E-09	9.92E-09	1.89E-08	1.09E-09	1.61E-09	2.70E-09	9.49E-10	9.90E-10	1.94E-09
13	567102.64	4217239.25	6.39E-09	6.90E-09	1.33E-08	5.54E-09	6.10E-09	1.16E-08	6.70E-10	9.89E-10	1.66E-09	5.84E-10	6.09E-10	1.19E-09
14	567100.23	4217248.96	5.91E-09	6.38E-09	1.23E-08	5.13E-09	5.64E-09	1.08E-08	6.20E-10	9.15E-10	1.53E-09	5.40E-10	5.63E-10	1.10E-09
15	567097.83	4217258.67	5.49E-09	5.93E-09	1.14E-08	4.76E-09	5.24E-09	1.00E-08	5.76E-10	8.50E-10	1.43E-09	5.02E-10	5.23E-10	1.02E-09
16	567095.42	4217268.37	5.12E-09	5.53E-09	1.07E-08	4.44E-09	4.89E-09	9.34E-09	5.37E-10	7.93E-10	1.33E-09	4.68E-10	4.88E-10	9.56E-10
17	567178.64	4216983.73	4.27E-07	4.61E-07	8.87E-07	3.70E-07	4.08E-07	7.78E-07	4.47E-08	6.60E-08	1.11E-07	3.90E-08	4.07E-08	7.96E-08
18	567182.66	4216974.43	4.31E-07	4.66E-07	8.97E-07	3.74E-07	4.12E-07	7.86E-07	4.52E-08	6.68E-08	1.12E-07	3.94E-08	4.11E-08	8.05E-08
19	567187.53	4216987.36	3.41E-07	3.68E-07	7.08E-07	2.96E-07	3.25E-07	6.21E-07	3.57E-08	5.27E-08	8.85E-08	3.11E-08	3.25E-08	6.36E-08
20	567176.43	4216996.07	3.98E-07	4.30E-07	8.28E-07	3.46E-07	3.81E-07	7.26E-07	4.18E-08	6.17E-08	1.03E-07	3.64E-08	3.80E-08	7.44E-08
21	567192.3	4216977.06	3.42E-07	3.69E-07	7.10E-07	2.96E-07	3.26E-07	6.22E-07	3.58E-08	5.29E-08	8.87E-08	3.12E-08	3.26E-08	6.37E-08
22	567196.79	4216990.49	2.81E-07	3.03E-07	5.84E-07	2.44E-07	2.68E-07	5.12E-07	2.95E-08	4.35E-08	7.30E-08	2.57E-08	2.68E-08	5.24E-08
23	567189.91	4216999.48	2.94E-07	3.18E-07	6.12E-07	2.55E-07	2.81E-07	5.37E-07	3.09E-08	4.56E-08	7.65E-08	2.69E-08	2.81E-08	5.50E-08
24	567180.87	4217004.78	3.35E-07	3.61E-07	6.96E-07	2.90E-07	3.20E-07	6.10E-07	3.51E-08	5.18E-08	8.69E-08	3.06E-08	3.19E-08	6.24E-08
25	567169.67	4217006.41	4.27E-07	4.60E-07	8.87E-07	3.70E-07	4.07E-07	7.78E-07	4.47E-08	6.60E-08	1.11E-07	3.90E-08	4.07E-08	7.96E-08
26	567201.95	4216979.69	2.80E-07	3.03E-07	5.83E-07	2.43E-07	2.68E-07	5.11E-07	2.94E-08	4.34E-08	7.28E-08	2.56E-08	2.67E-08	5.23E-08
27	567206.21	4216993.42	2.37E-07	2.56E-07	4.93E-07	2.06E-07	2.27E-07	4.32E-07	2.49E-08	3.67E-08	6.16E-08	2.17E-08	2.26E-08	4.43E-08
28	567198.87	4217003.01	2.47E-07	2.67E-07	5.14E-07	2.15E-07	2.36E-07	4.51E-07	2.59E-08	3.83E-08	6.42E-08	2.26E-08	2.36E-08	4.62E-08
29	567185.56	4217013.46	2.84E-07	3.06E-07	5.90E-07	2.46E-07	2.71E-07	5.17E-07	2.98E-08	4.39E-08	7.37E-08	2.59E-08	2.70E-08	5.30E-08
30	567173.61	4217015.19	3.55E-07	3.83E-07	7.38E-07	3.08E-07	3.39E-07	6.47E-07	3.72E-08	5.50E-08	9.22E-08	3.24E-08	3.38E-08	6.63E-08
31	567211.6	4216982.32	2.36E-07	2.55E-07	4.91E-07	2.05E-07	2.25E-07	4.30E-07	2.47E-08	3.65E-08	6.13E-08	2.16E-08	2.25E-08	4.40E-08
32	567215.71	4216996.25	2.03E-07	2.20E-07	4.23E-07	1.77E-07	1.94E-07	3.71E-07	2.13E-08	3.15E-08	5.28E-08	1.86E-08	1.94E-08	3.80E-08
33	567208.06	4217006.24	2.12E-07	2.28E-07	4.40E-07	1.84E-07	2.02E-07	3.86E-07	2.22E-08	3.28E-08	5.50E-08	1.93E-08	2.02E-08	3.95E-08
34	567200.42	4217016.23	2.19E-07	2.37E-07	4.56E-07	1.90E-07	2.09E-07	3.99E-07	2.30E-08	3.39E-08	5.69E-08	2.00E-08	2.09E-08	4.09E-08
35	567190.37	4217022.12	2.43E-07	2.62E-07	5.05E-07	2.11E-07	2.32E-07	4.43E-07	2.55E-08	3.76E-08	6.30E-08	2.22E-08	2.31E-08	4.53E-08
36	567177.93	4217023.93	2.97E-07	3.20E-07	6.17E-07	2.57E-07	2.83E-07	5.41E-07	3.11E-08	4.59E-08	7.70E-08	2.71E-08	2.83E-08	5.54E-08
37	567165.48	4217025.73	3.83E-07	4.14E-07	7.97E-07	3.33E-07	3.66E-07	6.99E-07	4.02E-08	5.93E-08	9.95E-08	3.50E-08	3.65E-08	7.15E-08
38	567221.25	4216984.95	2.02E-07	2.18E-07	4.19E-07	1.75E-07	1.93E-07	3.68E-07	2.12E-08	3.12E-08	5.24E-08	1.84E-08	1.92E-08	3.76E-08
39	567225.24	4216999.03	1.77E-07	1.91E-07	3.68E-07	1.53E-07	1.69E-07	3.22E-07	1.86E-08	2.74E-08	4.59E-08	1.62E-08	1.69E-08	3.30E-08
40	567217.38	4217009.3	1.84E-07	1.99E-07	3.82E-07	1.60E-07	1.76E-07	3.35E-07	1.93E-08	2.85E-08	4.78E-08	1.68E-08	1.75E-08	3.43E-08
41	567209.52	4217019.57	1.89E-07	2.04E-07	3.94E-07	1.64E-07	1.81E-07	3.45E-07	1.99E-08	2.93E-08	4.92E-08	1.73E-08	1.81E-08	3.54E-08
42	567195.26	4217030.77	2.09E-07	2.26E-07	4.35E-07	1.81E-07	2.00E-07	3.81E-07	2.19E-08	3.24E-08	5.43E-08	1.91E-08	1.99E-08	3.90E-08
43	567182.45	4217032.63	2.49E-07	2.69E-07	5.19E-07	2.16E-07	2.38E-07	4.55E-07	2.62E-08	3.86E-08	6.48E-08	2.28E-08	2.38E-08	4.65E-08
44	567169.65	4217034.48	3.10E-07	3.34E-07	6.44E-07	2.69E-07	2.96E-07	5.65E-07	3.25E-08	4.80E-08	8.04E-08	2.83E-08	2.95E-08	5.78E-08
45	567230.89	4216987.59	1.74E-07	1.88E-07	3.63E-07	1.51E-07	1.67E-07	3.18E-07	1.83E-08	2.70E-08	4.53E-08	1.59E-08	1.66E-08	3.26E-08
46	567235.26	4217001.18	1.55E-07	1.67E-07	3.22E-07	1.34E-07	1.48E-07	2.82E-07	1.62E-08	2.40E-08	4.02E-08	1.42E-08	1.48E-08	2.89E-08
47	567228.12	4217010.51	1.61E-07	1.73E-07	3.34E-07	1.39E-07	1.54E-07	2.93E-07	1.69E-08	2.49E-08	4.17E-08	1.47E-08	1.53E-08	3.00E-08
48	567220.99	4217019.83	1.65E-07	1.78E-07	3.43E-07	1.43E-07	1.58E-07	3.01E-07	1.73E-08	2.55E-08	4.29E-08	1.51E-08	1.57E-08	3.08E-08
49	567213.85	4217029.15	1.68E-07	1.81E-07	3.49E-07	1.46E-07	1.60E-07	3.06E-07	1.76E-08	2.60E-08	4.36E-08	1.53E-08	1.60E-08	3.14E-08
50	567200.91	4217039.31	1.80E-07	1.94E-07	3.74E-07	1.56E-07	1.72E-07	3.28E-07	1.89E-08	2.78E-08	4.67E-08	1.64E-08	1.71E-08	3.36E-08
51	567189.29	4217041	2.05E-07	2.21E-07	4.26E-07	1.78E-07	1.96E-07	3.74E-07	2.15E-08	3.17E-08	5.33E-08	1.87E-08	1.95E-08	3.83E-08
52	567177.68	4217042.68	2.38E-07	2.57E-07	4.96E-07	2.07E-07	2.28E-07	4.34E-07	2.50E-08	3.69E-08	6.19E-08	2.18E-08	2.27E-08	4.45E-08
53	567166.06	4217044.36	2.86E-07	3.08E-07	5.94E-07	2.48E-07	2.73E-07	5.21E-07	3.00E-08	4.42E-08	7.42E-08	2.61E-08	2.72E-08	5.33E-08
54	567240.54	4216990.22	1.52E-07	1.64E-07	3.17E-07	1.32E-07	1.45E-07	2.78E-07	1.60E-08	2.36E-08	3.95E-08	1.39E-08	1.45E-08	2.84E-08
55	567244.8	4217003.95	1.37E-07	1.48E-07	2.85E-07	1.19E-07	1.31E-07	2.50E-07	1.44E-08	2.12E-08	3.56E-08	1.25E-08	1.31E-08	2.56E-08
56	567237.46	4217013.54	1.43E-07	1.54E-07	2.96E-07	1.24E-07	1.36E-07	2.60E-07	1.50E-08	2.21E-08	3.70E-08	1.30E-08	1.36E-08	2.66E-08
57	567230.13	4217023.13	1.46E-07	1.58E-07	3.05E-07	1.27E-07	1.40E-07	2.67E-07	1.54E-08	2.27E-08	3.80E-08	1.34E-08	1.40E-08	2.73E-08
58	567222.79	4217032.71	1.49E-07	1.61E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.86E-08	1.36E-08	1.42E-08	2.78E-08
59	567215.45	4217042.3	1.49E-07	1.61E-07	3.10E-07	1.29E-07	1.43E-07	2.72E-07	1.56E-08	2.31E-08	3.87E-08	1.36E-08	1.42E-08	2.78E-08
60	567205.81	4217047.96	1.57E-07	1.69E-07	3.26E-07	1.36E-07	1.50E-07	2.86E-07	1.64E-08	2.42E-08	4.07E-08	1.43E-08	1.49E-08	2.92E-08
61	567193.86	4217049.69	1.75E-07	1.89E-07	3.64E-07	1.52E-07	1.67E-07	3.19E-07	1.84E-08	2.71E-08	4.55E-08	1.60E-08	1.67E-08	3.27E-08
62	567181.91	4217051.42	1.98E-07	2.13E-07	4.11E-07	1.71E-07	1.89E-07	3.60E-07	2.07E-08	3.06E-08	5.13E-08	1.80E-08	1.88E-08	3.69E-08
63	567169.96	4217053.15	2.26E-07	2.43E-07	4.69E-07	1.96E-07	2.15E-07	4.11E-07	2.37E-08	3.49E-08	5.86E-08	2.06E-08	2.15E-08	4.21E-08
64	567158.01	4217054.88	2.60E-07	2.81E-07	5.41E-07	2.26E-07	2.49E-07	4.74E-07	2.73E-08	4.03E-08	6.76E-08	2.38E-08	2.48E-08	4.86E-08
65	567250.19	4216992.85	1.34E-07	1.45E-07	2.79E-07	1.16E-07	1.28E-07	2.44E-07	1.41E-08	2.07E-08	3.48E-08	1.22E-08	1.28E-08	2.50E-08
66	567254.36	4217006.69	1.22E-07	1.32E-07	2.54E-07	1.06E-07	1.17E-07	2.23E-07	1.28E-08	1.89E-08	3.17E-08	1.12E-08	1.17E-08	2.28E-08
67	567246.86	4217016.5	1.27E-07	1.37E-07	2.65E-07	1.10E-07	1.22E-07	2.32E-07	1.34E-08	1.97E-08	3.31E-08	1.16E-08	1.21E-08	2.38E-08

68	567239.36	4217026.3	1.31E-07	1.41E-07	2.72E-07	1.14E-07	1.25E-07	2.39E-07	1.37E-08	2.03E-08	3.40E-08	1.20E-08	1.25E-08	2.44E-08
69	567231.85	4217036.11	1.33E-07	1.43E-07	2.76E-07	1.15E-07	1.27E-07	2.42E-07	1.39E-08	2.06E-08	3.45E-08	1.21E-08	1.27E-08	2.48E-08
70	567224.35	4217045.91	1.33E-07	1.43E-07	2.76E-07	1.15E-07	1.27E-07	2.42E-07	1.39E-08	2.06E-08	3.45E-08	1.21E-08	1.27E-08	2.48E-08
71	567210.73	4217056.61	1.37E-07	1.48E-07	2.84E-07	1.19E-07	1.31E-07	2.49E-07	1.43E-08	2.12E-08	3.55E-08	1.25E-08	1.30E-08	2.55E-08
72	567198.51	4217058.38	1.50E-07	1.62E-07	3.12E-07	1.30E-07	1.43E-07	2.73E-07	1.57E-08	2.32E-08	3.89E-08	1.37E-08	1.43E-08	2.80E-08
73	567186.29	4217060.14	1.64E-07	1.77E-07	3.42E-07	1.43E-07	1.57E-07	3.00E-07	1.72E-08	2.54E-08	4.27E-08	1.50E-08	1.57E-08	3.07E-08
74	567174.07	4217061.91	1.79E-07	1.94E-07	3.73E-07	1.56E-07	1.71E-07	3.27E-07	1.88E-08	2.78E-08	4.66E-08	1.64E-08	1.71E-08	3.35E-08
75	567161.85	4217063.68	1.92E-07	2.08E-07	4.00E-07	1.67E-07	1.84E-07	3.51E-07	2.02E-08	2.98E-08	4.99E-08	1.76E-08	1.83E-08	3.59E-08
76	567259.84	4216995.48	1.19E-07	1.28E-07	2.47E-07	1.03E-07	1.13E-07	2.16E-07	1.25E-08	1.84E-08	3.08E-08	1.08E-08	1.13E-08	2.22E-08
77	567263.94	4217009.41	1.09E-07	1.18E-07	2.28E-07	9.49E-08	1.05E-07	1.99E-07	1.15E-08	1.69E-08	2.84E-08	1.00E-08	1.04E-08	2.04E-08
78	567256.3	4217019.4	1.14E-07	1.23E-07	2.38E-07	9.91E-08	1.09E-07	2.08E-07	1.20E-08	1.77E-08	2.97E-08	1.04E-08	1.09E-08	2.13E-08
79	567248.66	4217029.39	1.18E-07	1.27E-07	2.45E-07	1.02E-07	1.12E-07	2.14E-07	1.23E-08	1.82E-08	3.05E-08	1.07E-08	1.12E-08	2.19E-08
80	567241.01	4217039.38	1.19E-07	1.29E-07	2.48E-07	1.04E-07	1.14E-07	2.18E-07	1.25E-08	1.85E-08	3.10E-08	1.09E-08	1.14E-08	2.23E-08
81	567233.37	4217049.36	1.19E-07	1.29E-07	2.48E-07	1.04E-07	1.14E-07	2.18E-07	1.25E-08	1.85E-08	3.10E-08	1.09E-08	1.14E-08	2.23E-08
82	567225.73	4217059.35	1.17E-07	1.27E-07	2.44E-07	1.02E-07	1.12E-07	2.14E-07	1.23E-08	1.82E-08	3.05E-08	1.07E-08	1.12E-08	2.19E-08
83	567215.68	4217065.25	1.20E-07	1.29E-07	2.49E-07	1.04E-07	1.14E-07	2.18E-07	1.26E-08	1.85E-08	3.11E-08	1.09E-08	1.14E-08	2.23E-08
84	567203.23	4217067.05	1.29E-07	1.39E-07	2.68E-07	1.12E-07	1.23E-07	2.35E-07	1.35E-08	1.99E-08	3.34E-08	1.18E-08	1.23E-08	2.40E-08
85	567190.79	4217068.85	1.37E-07	1.48E-07	2.86E-07	1.19E-07	1.31E-07	2.51E-07	1.44E-08	2.13E-08	3.57E-08	1.26E-08	1.31E-08	2.57E-08
86	567178.34	4217070.65	1.45E-07	1.56E-07	3.01E-07	1.26E-07	1.38E-07	2.64E-07	1.52E-08	2.24E-08	3.76E-08	1.32E-08	1.38E-08	2.70E-08
87	567165.89	4217072.46	1.48E-07	1.60E-07	3.08E-07	1.29E-07	1.42E-07	2.70E-07	1.55E-08	2.29E-08	3.85E-08	1.35E-08	1.41E-08	2.77E-08
88	567153.45	4217074.26	1.42E-07	1.53E-07	2.95E-07	1.23E-07	1.35E-07	2.58E-07	1.49E-08	2.19E-08	3.68E-08	1.29E-08	1.35E-08	2.64E-08
89	567269.48	4216998.11	1.06E-07	1.14E-07	2.20E-07	9.18E-08	1.01E-07	1.93E-07	1.11E-08	1.64E-08	2.75E-08	9.66E-09	1.01E-08	1.97E-08
90	567273.53	4217012.12	9.84E-08	1.06E-07	2.05E-07	8.54E-08	9.40E-08	1.79E-07	1.03E-08	1.52E-08	2.56E-08	8.99E-09	9.38E-09	1.84E-08
91	567265.77	4217022.26	1.03E-07	1.11E-07	2.14E-07	8.94E-08	9.84E-08	1.88E-07	1.08E-08	1.59E-08	2.68E-08	9.41E-09	9.82E-09	1.92E-08
92	567258.01	4217032.4	1.06E-07	1.15E-07	2.21E-07	9.22E-08	1.02E-07	1.94E-07	1.11E-08	1.64E-08	2.76E-08	9.71E-09	1.01E-08	1.98E-08
93	567250.25	4217042.54	1.08E-07	1.17E-07	2.25E-07	9.37E-08	1.03E-07	1.97E-07	1.13E-08	1.67E-08	2.81E-08	9.87E-09	1.03E-08	2.02E-08
94	567242.49	4217052.69	1.08E-07	1.17E-07	2.25E-07	9.38E-08	1.03E-07	1.97E-07	1.13E-08	1.67E-08	2.81E-08	9.87E-09	1.03E-08	2.02E-08
95	567234.73	4217062.83	1.06E-07	1.15E-07	2.21E-07	9.21E-08	1.01E-07	1.94E-07	1.11E-08	1.64E-08	2.76E-08	9.70E-09	1.01E-08	1.98E-08
96	567220.65	4217073.88	1.05E-07	1.13E-07	2.18E-07	9.11E-08	1.00E-07	1.91E-07	1.10E-08	1.63E-08	2.73E-08	9.60E-09	1.00E-08	1.96E-08
97	567208.01	4217075.71	1.11E-07	1.20E-07	2.31E-07	9.63E-08	1.06E-07	2.02E-07	1.16E-08	1.72E-08	2.88E-08	1.01E-08	1.06E-08	2.07E-08
98	567195.37	4217077.55	1.16E-07	1.25E-07	2.41E-07	1.01E-07	1.11E-07	2.11E-07	1.22E-08	1.79E-08	3.01E-08	1.06E-08	1.10E-08	2.16E-08
99	567182.73	4217079.38	1.19E-07	1.28E-07	2.47E-07	1.03E-07	1.13E-07	2.17E-07	1.25E-08	1.84E-08	3.09E-08	1.09E-08	1.13E-08	2.22E-08
100	567170.09	4217081.21	1.18E-07	1.27E-07	2.45E-07	1.02E-07	1.13E-07	2.15E-07	1.24E-08	1.82E-08	3.06E-08	1.08E-08	1.12E-08	2.20E-08
101	567157.45	4217083.04	1.10E-07	1.19E-07	2.29E-07	9.57E-08	1.05E-07	2.01E-07	1.16E-08	1.71E-08	2.87E-08	1.01E-08	1.05E-08	2.06E-08
102	567279.13	4217000.75	9.47E-08	1.02E-07	1.97E-07	8.22E-08	9.05E-08	1.73E-07	9.94E-09	1.47E-08	2.46E-08	8.65E-09	9.03E-09	1.77E-08
103	567283.13	4217014.82	8.89E-08	9.60E-08	1.85E-07	7.72E-08	8.49E-08	1.62E-07	9.33E-09	1.38E-08	2.31E-08	8.12E-09	8.48E-09	1.66E-08
104	567275.27	4217025.09	9.34E-08	1.01E-07	1.94E-07	8.10E-08	8.92E-08	1.70E-07	9.79E-09	1.45E-08	2.42E-08	8.53E-09	8.90E-09	1.74E-08
105	567267.41	4217035.36	9.65E-08	1.04E-07	2.01E-07	8.37E-08	9.22E-08	1.76E-07	1.01E-08	1.49E-08	2.51E-08	8.82E-09	9.20E-09	1.80E-08
106	567259.54	4217045.64	9.83E-08	1.06E-07	2.04E-07	8.53E-08	9.39E-08	1.79E-07	1.03E-08	1.52E-08	2.55E-08	8.98E-09	9.37E-09	1.83E-08
107	567251.68	4217055.91	9.84E-08	1.06E-07	2.05E-07	8.54E-08	9.40E-08	1.79E-07	1.03E-08	1.52E-08	2.56E-08	8.99E-09	9.38E-09	1.84E-08
108	567243.82	4217066.18	9.68E-08	1.04E-07	2.01E-07	8.40E-08	9.25E-08	1.76E-07	1.02E-08	1.50E-08	2.51E-08	8.84E-09	9.23E-09	1.81E-08
109	567235.96	4217076.46	9.31E-08	1.00E-07	1.94E-07	8.08E-08	8.89E-08	1.70E-07	9.76E-09	1.44E-08	2.42E-08	8.50E-09	8.87E-09	1.74E-08
110	567225.63	4217082.52	9.25E-08	9.99E-08	1.92E-07	8.03E-08	8.84E-08	1.69E-07	9.70E-09	1.43E-08	2.40E-08	8.45E-09	8.82E-09	1.73E-08
111	567212.82	4217084.37	9.62E-08	1.04E-07	2.00E-07	8.35E-08	9.19E-08	1.75E-07	1.01E-08	1.49E-08	2.50E-08	8.79E-09	9.17E-09	1.80E-08
112	567200.02	4217086.23	9.86E-08	1.06E-07	2.05E-07	8.55E-08	9.41E-08	1.80E-07	1.03E-08	1.53E-08	2.56E-08	9.00E-09	9.39E-09	1.84E-08
113	567187.22	4217088.08	9.90E-08	1.07E-07	2.06E-07	8.59E-08	9.46E-08	1.80E-07	1.04E-08	1.53E-08	2.57E-08	9.04E-09	9.44E-09	1.85E-08
114	567174.42	4217089.94	9.62E-08	1.04E-07	2.00E-07	8.34E-08	9.18E-08	1.75E-07	1.01E-08	1.49E-08	2.50E-08	8.78E-09	9.16E-09	1.79E-08
115	567161.61	4217091.79	8.88E-08	9.59E-08	1.85E-07	7.71E-08	8.49E-08	1.62E-07	9.32E-09	1.38E-08	2.31E-08	8.12E-09	8.47E-09	1.66E-08
116	567148.81	4217093.65	7.77E-08	8.39E-08	1.62E-07	6.74E-08	7.42E-08	1.42E-07	8.15E-09	1.20E-08	2.02E-08	7.10E-09	7.41E-09	1.45E-08
117	567288.78	4217003.38	8.52E-08	9.20E-08	1.77E-07	7.39E-08	8.14E-08	1.55E-07	8.94E-09	1.32E-08	2.21E-08	7.79E-09	8.12E-09	1.59E-08
118	567292.98	4217017.18	8.05E-08	8.69E-08	1.67E-07	6.98E-08	7.69E-08	1.47E-07	8.44E-09	1.25E-08	2.09E-08	7.35E-09	7.67E-09	1.50E-08
119	567285.53	4217026.92	8.46E-08	9.13E-08	1.76E-07	7.34E-08	8.08E-08	1.54E-07	8.87E-09	1.31E-08	2.20E-08	7.72E-09	8.06E-09	1.58E-08
120	567278.08	4217036.66	8.76E-08	9.46E-08	1.82E-07	7.60E-08	8.37E-08	1.60E-07	9.19E-09	1.36E-08	2.28E-08	8.01E-09	8.35E-09	1.64E-08
121	567270.62	4217046.4	8.95E-08	9.67E-08	1.86E-07	7.77E-08	8.55E-08	1.63E-07	9.39E-09	1.39E-08	2.33E-08	8.18E-09	8.53E-09	1.67E-08
122	567263.17	4217056.13	9.02E-08	9.73E-08	1.88E-07	7.82E-08	8.61E-08	1.64E-07	9.46E-09	1.40E-08	2.34E-08	8.24E-09	8.60E-09	1.68E-08
123	567255.72	4217065.87	8.94E-08	9.65E-08	1.86E-07	7.76E-08	8.54E-08	1.63E-07	9.38E-09	1.38E-08	2.32E-08	8.17E-09	8.52E-09	1.67E-08
124	567248.27	4217075.61	8.71E-08	9.40E-08	1.81E-07	7.55E-08	8.32E-08	1.59E-07	9.13E-09	1.35E-08	2.26E-08	7.95E-09	8.30E-09	1.63E-08
125	567240.82	4217085.35	8.30E-08	8.96E-08	1.73E-07	7.21E-08	7.93E-08	1.51E-07	8.71E-09	1.29E-08	2.16E-08	7.59E-09	7.92E-09	1.55E-08
126	567231.02	4217091.1	8.17E-08	8.82E-08	1.70E-07	7.09E-08	7.80E-08	1.49E-07	8.57E-09	1.26E-08	2.12E-08	7.46E-09	7.79E-09	1.52E-08
127	567218.89	4217092.85	8.37E-08	9.04E-08	1.74E-07	7.27E-08	8.00E-08	1.53E-07	8.78E-09	1.30E-08	2.17E-08	7.65E-09	7.98E-09	1.56E-08
128	567206.75	4217094.61	8.46E-08	9.13E-08	1.76E-07	7.34E-08	8.08E-08	1.54E-07	8.87E-09	1.31E-08	2.20E-08	7.73E-09	8.06E-09	1.58E-08
129	567194.61	4217096.37	8.41E-08	9.07E-08	1.75E-07	7.29E-08	8.03E-08	1.53E-07	8.82E-09	1.30E-08	2.18E-08	7.68E-09	8.01E-09	1.57E-08
130	567182.48	4217098.13	8.13E-08	8.78E-08	1.69E-07	7.05E-08	7.77E-08	1.48E-07	8.53E-09	1.26E-08	2.11E-08	7.43E-09	7.75E-09	1.52E-08
131	567170.34	4217099.88	7.59E-08	8.19E-08	1.58E-07	6.58E-08	7.25E-08	1.38E-07	7.96E-09	1.17E-08	1.97E-08	6.93E-09	7.23E-09	1.42E-08
132	567298.43	4217006.01	7.70E-08	8.31E-08	1.60E-07	6.68E-08	7.35E-08	1.40E-07	8.08E-09	1.19E-08	2.00E-08	7.03E-09	7.34E-09	1.44E-08
133	567302.58	4217019.88	7.32E-08	7.90E-08	1.52E-07	6.35E-08	6.99E-08	1.33E-07	7.68E-09	1.13E-08	1.90E-08	6.69E-09	6.98E-09	1.37E-08
134	567295.02	4217029.75	7.72E-08	8.33E-08	1.61E-07	6.70E-08	7.37E-08	1.41E-07	8.10E-09	1.19E-08	2.00E-08	7.05E-09	7.36E-09	1.44E-08
135	567287.47	4217039.62	8.02E-08	8.66E-08	1.67E-07	6.96E-08	7.66E-08	1.46E-07	8.41E-09	1.24E-08	2.08E-08	7.33E-09	7.64E-09	1.50E-08
136	567279.92	4217049.49	8.21E-08	8.86E-08	1.71E-07	7.12E-08	7.84E-08	1.50E-07	8.61E-09	1.27E-08	2.13E-08	7.50E-09	7.83E-09	1.53E-08
137	567272.36	4217059.36	8.28E-08	8.94E-08	1.72E-07	7.19E-08	7.91E-08	1.51E-07	8.69E-09	1.28E-08	2.15E-08	7.56E-09	7.89E-09	1.55E-08
138	567264.81	4217069.23	8.22E-08	8.87E-08	1.71E-07	7.13E-08	7.85E-08	1.50E-07	8.62E-09	1.27E-08	2.13E-08	7.51E-09	7.84E-09	1.53E-08

139	567257.26	4217079.1	8.02E-08	8.66E-08	1.67E-07	6.96E-08	7.66E-08	1.46E-07	8.41E-09	1.24E-08	2.08E-08	7.33E-09	7.65E-09	1.50E-08
140	567249.7	4217088.97	7.67E-08	8.28E-08	1.60E-07	6.66E-08	7.33E-08	1.40E-07	8.05E-09	1.19E-08	1.99E-08	7.01E-09	7.31E-09	1.43E-08
141	567236	4217099.73	7.25E-08	7.83E-08	1.51E-07	6.29E-08	6.93E-08	1.32E-07	7.61E-09	1.12E-08	1.88E-08	6.62E-09	6.91E-09	1.35E-08
142	567223.7	4217101.51	7.35E-08	7.94E-08	1.53E-07	6.38E-08	7.02E-08	1.34E-07	7.71E-09	1.14E-08	1.91E-08	6.72E-09	7.01E-09	1.37E-08
143	567211.4	4217103.3	7.34E-08	7.93E-08	1.53E-07	6.37E-08	7.01E-08	1.34E-07	7.70E-09	1.14E-08	1.91E-08	6.71E-09	7.00E-09	1.37E-08
144	567199.1	4217105.08	7.20E-08	7.77E-08	1.50E-07	6.25E-08	6.88E-08	1.31E-07	7.55E-09	1.11E-08	1.87E-08	6.58E-09	6.86E-09	1.34E-08
145	567149.9	4217112.2	4.94E-08	5.34E-08	1.03E-07	4.29E-08	4.72E-08	9.01E-08	5.18E-09	7.65E-09	1.28E-08	4.52E-09	4.71E-09	9.23E-09
146	567308.07	4217008.64	6.98E-08	7.54E-08	1.45E-07	6.06E-08	6.67E-08	1.27E-07	7.32E-09	1.08E-08	1.81E-08	6.38E-09	6.65E-09	1.30E-08
147	567312.18	4217022.57	6.69E-08	7.22E-08	1.39E-07	5.80E-08	6.39E-08	1.22E-07	7.01E-09	1.03E-08	1.74E-08	6.11E-09	6.37E-09	1.25E-08
148	567304.54	4217032.56	7.06E-08	7.63E-08	1.47E-07	6.13E-08	6.75E-08	1.29E-07	7.41E-09	1.09E-08	1.83E-08	6.45E-09	6.73E-09	1.32E-08
149	567296.89	4217042.55	7.36E-08	7.94E-08	1.53E-07	6.38E-08	7.03E-08	1.34E-07	7.72E-09	1.14E-08	1.91E-08	6.72E-09	7.01E-09	1.37E-08
150	567289.25	4217052.53	7.55E-08	8.15E-08	1.57E-07	6.55E-08	7.21E-08	1.38E-07	7.92E-09	1.17E-08	1.96E-08	6.90E-09	7.20E-09	1.41E-08
151	567281.61	4217062.52	7.63E-08	8.24E-08	1.59E-07	6.62E-08	7.29E-08	1.39E-07	8.00E-09	1.18E-08	1.98E-08	6.97E-09	7.27E-09	1.42E-08
152	567273.96	4217072.51	7.59E-08	8.19E-08	1.58E-07	6.59E-08	7.25E-08	1.38E-07	7.96E-09	1.17E-08	1.97E-08	6.93E-09	7.23E-09	1.42E-08
153	567266.32	4217082.5	7.42E-08	8.01E-08	1.54E-07	6.44E-08	7.09E-08	1.35E-07	7.78E-09	1.15E-08	1.93E-08	6.78E-09	7.07E-09	1.39E-08
154	567258.68	4217092.49	7.12E-08	7.69E-08	1.48E-07	6.18E-08	6.80E-08	1.30E-07	7.47E-09	1.10E-08	1.85E-08	6.50E-09	6.79E-09	1.33E-08
155	567251.03	4217102.47	6.68E-08	7.21E-08	1.39E-07	5.80E-08	6.38E-08	1.22E-07	7.01E-09	1.03E-08	1.73E-08	6.10E-09	6.37E-09	1.25E-08
156	567240.99	4217108.37	6.46E-08	6.97E-08	1.34E-07	5.60E-08	6.17E-08	1.18E-07	6.78E-09	1.00E-08	1.68E-08	5.90E-09	6.16E-09	1.21E-08
157	567228.54	4217110.17	6.49E-08	7.01E-08	1.35E-07	5.63E-08	6.20E-08	1.18E-07	6.81E-09	1.00E-08	1.69E-08	5.93E-09	6.19E-09	1.21E-08
158	567216.09	4217111.97	6.42E-08	6.93E-08	1.33E-07	5.57E-08	6.13E-08	1.17E-07	6.73E-09	9.94E-09	1.67E-08	5.86E-09	6.12E-09	1.20E-08
159	567166.31	4217119.18	4.83E-08	5.21E-08	1.00E-07	4.19E-08	4.61E-08	8.80E-08	5.07E-09	7.48E-09	1.25E-08	4.41E-09	4.60E-09	9.02E-09
160	567153.86	4217120.99	4.21E-08	4.54E-08	8.75E-08	3.65E-08	4.02E-08	7.67E-08	4.41E-09	6.51E-09	1.09E-08	3.84E-09	4.01E-09	7.85E-09
161	567141.41	4217122.79	3.61E-08	3.90E-08	7.52E-08	3.14E-08	3.45E-08	6.59E-08	3.79E-09	5.59E-09	9.39E-09	3.30E-09	3.45E-09	6.75E-09
162	567317.72	4217011.27	6.36E-08	6.86E-08	1.32E-07	5.51E-08	6.07E-08	1.16E-07	6.67E-09	9.84E-09	1.65E-08	5.81E-09	6.06E-09	1.19E-08
163	567321.79	4217025.26	6.13E-08	6.61E-08	1.27E-07	5.31E-08	5.85E-08	1.12E-07	6.42E-09	9.48E-09	1.59E-08	5.60E-09	5.84E-09	1.14E-08
164	567314.06	4217035.35	6.48E-08	7.00E-08	1.35E-07	5.63E-08	6.19E-08	1.18E-07	6.80E-09	1.00E-08	1.68E-08	5.92E-09	6.18E-09	1.21E-08
165	567306.34	4217045.44	6.77E-08	7.30E-08	1.41E-07	5.87E-08	6.46E-08	1.23E-07	7.10E-09	1.05E-08	1.76E-08	6.18E-09	6.45E-09	1.26E-08
166	567298.62	4217055.53	6.96E-08	7.51E-08	1.45E-07	6.04E-08	6.65E-08	1.27E-07	7.30E-09	1.08E-08	1.81E-08	6.36E-09	6.63E-09	1.30E-08
167	567290.89	4217065.63	7.05E-08	7.61E-08	1.47E-07	6.12E-08	6.73E-08	1.29E-07	7.40E-09	1.09E-08	1.83E-08	6.44E-09	6.72E-09	1.32E-08
168	567283.17	4217075.72	7.03E-08	7.59E-08	1.46E-07	6.10E-08	6.71E-08	1.28E-07	7.37E-09	1.09E-08	1.83E-08	6.42E-09	6.70E-09	1.31E-08
169	567275.44	4217085.81	6.89E-08	7.44E-08	1.43E-07	5.98E-08	6.58E-08	1.26E-07	7.23E-09	1.07E-08	1.79E-08	6.30E-09	6.57E-09	1.29E-08
170	567267.72	4217095.91	6.63E-08	7.16E-08	1.38E-07	5.75E-08	6.33E-08	1.21E-07	6.96E-09	1.03E-08	1.72E-08	6.06E-09	6.32E-09	1.24E-08
171	567260	4217106	6.25E-08	6.75E-08	1.30E-07	5.42E-08	5.97E-08	1.14E-07	6.55E-09	9.67E-09	1.62E-08	5.71E-09	5.96E-09	1.17E-08
172	567245.98	4217117	5.78E-08	6.23E-08	1.20E-07	5.01E-08	5.52E-08	1.05E-07	6.06E-09	8.94E-09	1.50E-08	5.28E-09	5.51E-09	1.08E-08
173	567233.41	4217118.82	5.75E-08	6.21E-08	1.20E-07	4.99E-08	5.50E-08	1.05E-07	6.04E-09	8.91E-09	1.49E-08	5.26E-09	5.49E-09	1.07E-08
174	567195.67	4217124.29	5.09E-08	5.49E-08	1.06E-07	4.42E-08	4.86E-08	9.28E-08	5.34E-09	7.88E-09	1.32E-08	4.65E-09	4.85E-09	9.50E-09
175	567170.52	4217127.93	4.15E-08	4.48E-08	8.64E-08	3.60E-08	3.97E-08	7.57E-08	4.36E-09	6.43E-09	1.08E-08	3.79E-09	3.96E-09	7.75E-09
176	567157.94	4217129.75	3.63E-08	3.92E-08	7.54E-08	3.15E-08	3.47E-08	6.61E-08	3.81E-09	5.62E-09	9.42E-09	3.31E-09	3.46E-09	6.77E-09
177	567145.36	4217131.58	3.13E-08	3.38E-08	6.51E-08	2.72E-08	2.99E-08	5.71E-08	3.28E-09	4.84E-09	8.13E-09	2.86E-09	2.98E-09	5.84E-09
178	567327.37	4217013.9	5.81E-08	6.27E-08	1.21E-07	5.04E-08	5.55E-08	1.06E-07	6.09E-09	8.99E-09	1.51E-08	5.31E-09	5.54E-09	1.08E-08
179	567331.4	4217027.93	5.62E-08	6.07E-08	1.17E-07	4.88E-08	5.37E-08	1.02E-07	5.90E-09	8.70E-09	1.46E-08	5.14E-09	5.36E-09	1.05E-08
180	567323.6	4217038.12	5.97E-08	6.44E-08	1.24E-07	5.18E-08	5.70E-08	1.09E-07	6.26E-09	9.23E-09	1.55E-08	5.45E-09	5.69E-09	1.11E-08
181	567315.81	4217048.31	6.24E-08	6.73E-08	1.30E-07	5.41E-08	5.96E-08	1.14E-07	6.54E-09	9.65E-09	1.62E-08	5.70E-09	5.95E-09	1.16E-08
182	567308.01	4217058.5	6.43E-08	6.94E-08	1.34E-07	5.58E-08	6.14E-08	1.17E-07	6.75E-09	9.95E-09	1.67E-08	5.87E-09	6.13E-09	1.20E-08
183	567300.21	4217068.68	6.53E-08	7.05E-08	1.36E-07	5.67E-08	6.24E-08	1.19E-07	6.85E-09	1.01E-08	1.70E-08	5.97E-09	6.23E-09	1.22E-08
184	567292.42	4217078.87	6.53E-08	7.05E-08	1.36E-07	5.66E-08	6.24E-08	1.19E-07	6.85E-09	1.01E-08	1.70E-08	5.96E-09	6.22E-09	1.22E-08
185	567284.62	4217089.06	6.42E-08	6.93E-08	1.33E-07	5.57E-08	6.13E-08	1.17E-07	6.73E-09	9.94E-09	1.67E-08	5.86E-09	6.12E-09	1.20E-08
186	567276.83	4217099.25	6.20E-08	6.69E-08	1.29E-07	5.38E-08	5.92E-08	1.13E-07	6.50E-09	9.59E-09	1.61E-08	5.66E-09	5.91E-09	1.16E-08
187	567212.9	4217131.15	4.76E-08	5.13E-08	9.89E-08	4.13E-08	4.54E-08	8.67E-08	4.99E-09	7.36E-09	1.23E-08	4.34E-09	4.53E-09	8.88E-09
188	567200.2	4217132.99	4.44E-08	4.79E-08	9.23E-08	3.85E-08	4.24E-08	8.09E-08	4.66E-09	6.87E-09	1.15E-08	4.06E-09	4.23E-09	8.29E-09
189	567174.81	4217136.67	3.61E-08	3.90E-08	7.51E-08	3.13E-08	3.45E-08	6.58E-08	3.79E-09	5.59E-09	9.38E-09	3.30E-09	3.44E-09	6.74E-09
190	567162.12	4217138.51	3.16E-08	3.41E-08	6.58E-08	2.74E-08	3.02E-08	5.76E-08	3.32E-09	4.90E-09	8.21E-09	2.89E-09	3.01E-09	5.90E-09
191	567149.42	4217140.35	2.74E-08	2.96E-08	5.70E-08	2.38E-08	2.62E-08	4.99E-08	2.87E-09	4.24E-09	7.12E-09	2.50E-09	2.61E-09	5.11E-09
192	567136.72	4217142.18	2.37E-08	2.56E-08	4.94E-08	2.06E-08	2.27E-08	4.33E-08	2.49E-09	3.67E-09	6.16E-09	2.17E-09	2.26E-09	4.43E-09
193	567337.02	4217016.54	5.32E-08	5.75E-08	1.11E-07	4.62E-08	5.09E-08	9.71E-08	5.58E-09	8.24E-09	1.38E-08	4.86E-09	5.08E-09	9.94E-09
194	567341.01	4217030.61	5.17E-08	5.59E-08	1.08E-07	4.49E-08	4.94E-08	9.43E-08	5.43E-09	8.01E-09	1.34E-08	4.73E-09	4.93E-09	9.66E-09
195	567333.15	4217040.88	5.50E-08	5.94E-08	1.14E-07	4.77E-08	5.25E-08	1.00E-07	5.77E-09	8.51E-09	1.43E-08	5.02E-09	5.24E-09	1.03E-08
196	567325.29	4217051.16	5.76E-08	6.22E-08	1.20E-07	5.00E-08	5.50E-08	1.05E-07	6.04E-09	8.92E-09	1.50E-08	5.26E-09	5.49E-09	1.08E-08
197	567317.43	4217061.43	5.96E-08	6.43E-08	1.24E-07	5.17E-08	5.69E-08	1.09E-07	6.25E-09	9.22E-09	1.55E-08	5.44E-09	5.68E-09	1.11E-08
198	567309.57	4217071.7	6.06E-08	6.55E-08	1.26E-07	5.26E-08	5.79E-08	1.11E-07	6.36E-09	9.39E-09	1.57E-08	5.54E-09	5.78E-09	1.13E-08
199	567301.7	4217081.97	6.08E-08	6.56E-08	1.26E-07	5.27E-08	5.81E-08	1.11E-07	6.38E-09	9.41E-09	1.58E-08	5.55E-09	5.79E-09	1.13E-08
200	567293.84	4217092.25	5.99E-08	6.47E-08	1.25E-07	5.20E-08	5.73E-08	1.09E-07	6.29E-09	9.28E-09	1.56E-08	5.47E-09	5.71E-09	1.12E-08
201	567285.98	4217102.52	5.81E-08	6.27E-08	1.21E-07	5.04E-08	5.55E-08	1.06E-07	6.09E-09	8.99E-09	1.51E-08	5.30E-09	5.53E-09	1.08E-08
202	567278.12	4217112.79	5.52E-08	5.96E-08	1.15E-07	4.79E-08	5.27E-08	1.01E-07	5.79E-09	8.54E-09	1.43E-08	5.04E-09	5.26E-09	1.03E-08
203	567243.19	4217136.12	4.58E-08	4.95E-08	9.53E-08	3.98E-08	4.38E-08	8.35E-08	4.81E-09	7.09E-09	1.19E-08	4.19E-09	4.37E-09	8.55E-09
204	567230.39	4217137.98	4.43E-08	4.78E-08	9.21E-08	3.84E-08	4.23E-08	8.07E-08	4.64E-09	6.85E-09	1.15E-08	4.04E-09	4.22E-09	8.26E-09
205	567217.59	4217139.83	4.20E-08	4.53E-08	8.73E-08	3.64E-08	4.01E-08	7.66E-08	4.41E-09	6.50E-09	1.09E-08	3.84E-09	4.00E-09	7.84E-09
206	567204.78	4217141.68	3.91E-08	4.22E-08	8.12E-08	3.39E-08	3.73E-08	7.12E-08	4.10E-09	6.04E-09	1.01E-08	3.57E-09	3.72E-09	7.29E-09
207	567166.38	4217147.25	2.78E-08	3.00E-08	5.79E-08	2.41E-08	2.66E-08	5.07E-08	2.92E-09	4.31E-09	7.23E-09	2.54E-09	2.65E-09	5.19E-09
208	567153.57	4217149.1	2.42E-08	2.61E-08	5.04E-08	2.10E-08	2.31E-08	4.41E-08	2.54E-09	3.75E-09	6.29E-09	2.21E-09	2.31E-09	4.52E-09
209	567140.77	4217150.96	2.11E-08	2.27E-08	4.38E-08	1.83E-08	2.01E-08	3.84E-08	2.21E-09	3.26E-09	5.47E-09	1.92E-09	2.01E-09	3.93E-09

210	567346.66	4217019.17	4.90E-08	5.28E-08	1.02E-07	4.25E-08	4.68E-08	8.92E-08	5.13E-09	7.58E-09	1.27E-08	4.47E-09	4.67E-09	9.14E-09
211	567350.63	4217033.28	4.77E-08	5.15E-08	9.93E-08	4.14E-08	4.56E-08	8.70E-08	5.01E-09	7.39E-09	1.24E-08	4.36E-09	4.55E-09	8.91E-09
212	567342.71	4217043.63	5.08E-08	5.48E-08	1.06E-07	4.41E-08	4.85E-08	9.26E-08	5.33E-09	7.86E-09	1.32E-08	4.64E-09	4.84E-09	9.48E-09
213	567334.79	4217053.98	5.33E-08	5.76E-08	1.11E-07	4.63E-08	5.10E-08	9.72E-08	5.60E-09	8.26E-09	1.39E-08	4.87E-09	5.08E-09	9.96E-09
214	567326.87	4217064.33	5.53E-08	5.97E-08	1.15E-07	4.80E-08	5.28E-08	1.01E-07	5.80E-09	8.56E-09	1.44E-08	5.05E-09	5.27E-09	1.03E-08
215	567318.95	4217074.68	5.64E-08	6.09E-08	1.17E-07	4.90E-08	5.39E-08	1.03E-07	5.92E-09	8.73E-09	1.47E-08	5.15E-09	5.38E-09	1.05E-08
216	567311.02	4217085.03	5.67E-08	6.12E-08	1.18E-07	4.92E-08	5.42E-08	1.03E-07	5.95E-09	8.78E-09	1.47E-08	5.18E-09	5.41E-09	1.06E-08
217	567303.1	4217095.39	5.61E-08	6.05E-08	1.17E-07	4.87E-08	5.36E-08	1.02E-07	5.88E-09	8.68E-09	1.46E-08	5.12E-09	5.35E-09	1.05E-08
218	567295.18	4217105.74	5.45E-08	5.88E-08	1.13E-07	4.73E-08	5.21E-08	9.94E-08	5.72E-09	8.44E-09	1.42E-08	4.98E-09	5.20E-09	1.02E-08
219	567287.26	4217116.09	5.20E-08	5.61E-08	1.08E-07	4.51E-08	4.97E-08	9.48E-08	5.45E-09	8.05E-09	1.35E-08	4.75E-09	4.96E-09	9.71E-09
220	567279.34	4217126.44	4.87E-08	5.25E-08	1.01E-07	4.22E-08	4.65E-08	8.87E-08	5.10E-09	7.53E-09	1.26E-08	4.44E-09	4.64E-09	9.08E-09
221	567248.11	4217144.77	4.11E-08	4.44E-08	8.55E-08	3.57E-08	3.93E-08	7.50E-08	4.32E-09	6.37E-09	1.07E-08	3.76E-09	3.92E-09	7.68E-09
222	567235.21	4217146.64	3.95E-08	4.27E-08	8.22E-08	3.43E-08	3.78E-08	7.21E-08	4.15E-09	6.12E-09	1.03E-08	3.61E-09	3.77E-09	7.38E-09
223	567222.31	4217148.5	3.73E-08	4.03E-08	7.76E-08	3.24E-08	3.57E-08	6.80E-08	3.92E-09	5.78E-09	9.69E-09	3.41E-09	3.56E-09	6.97E-09
224	567209.41	4217150.37	3.46E-08	3.73E-08	7.19E-08	3.00E-08	3.30E-08	6.30E-08	3.63E-09	5.35E-09	8.98E-09	3.16E-09	3.30E-09	6.46E-09
225	567196.51	4217152.24	3.14E-08	3.39E-08	6.53E-08	2.73E-08	3.00E-08	5.73E-08	3.30E-09	4.86E-09	8.16E-09	2.87E-09	3.00E-09	5.87E-09
226	567170.71	4217155.98	2.47E-08	2.66E-08	5.13E-08	2.14E-08	2.36E-08	4.50E-08	2.59E-09	3.82E-09	6.41E-09	2.26E-09	2.35E-09	4.61E-09
227	567157.81	4217157.84	2.16E-08	2.33E-08	4.49E-08	1.87E-08	2.06E-08	3.93E-08	2.26E-09	3.34E-09	5.60E-09	1.97E-09	2.06E-09	4.03E-09
228	567144.91	4217159.71	1.89E-08	2.04E-08	3.92E-08	1.64E-08	1.80E-08	3.44E-08	1.98E-09	2.92E-09	4.90E-09	1.72E-09	1.80E-09	3.52E-09
229	567132.01	4217161.58	1.66E-08	1.80E-08	3.46E-08	1.44E-08	1.59E-08	3.03E-08	1.75E-09	2.58E-09	4.32E-09	1.52E-09	1.59E-09	3.11E-09
230	567356.31	4217021.8	4.51E-08	4.87E-08	9.38E-08	3.91E-08	4.31E-08	8.22E-08	4.73E-09	6.98E-09	1.17E-08	4.12E-09	4.30E-09	8.42E-09
231	567360.42	4217035.73	4.41E-08	4.76E-08	9.17E-08	3.82E-08	4.21E-08	8.04E-08	4.62E-09	6.82E-09	1.14E-08	4.03E-09	4.20E-09	8.23E-09
232	567352.77	4217045.72	4.69E-08	5.06E-08	9.75E-08	4.07E-08	4.48E-08	8.54E-08	4.92E-09	7.25E-09	1.22E-08	4.28E-09	4.47E-09	8.75E-09
233	567345.13	4217055.71	4.93E-08	5.32E-08	1.02E-07	4.27E-08	4.70E-08	8.98E-08	5.17E-09	7.62E-09	1.28E-08	4.50E-09	4.69E-09	9.19E-09
234	567337.49	4217065.69	5.12E-08	5.52E-08	1.06E-07	4.44E-08	4.89E-08	9.33E-08	5.37E-09	7.92E-09	1.33E-08	4.67E-09	4.88E-09	9.55E-09
235	567329.84	4217075.68	5.24E-08	5.66E-08	1.09E-07	4.55E-08	5.01E-08	9.56E-08	5.50E-09	8.12E-09	1.36E-08	4.79E-09	5.00E-09	9.79E-09
236	567322.2	4217085.67	5.30E-08	5.72E-08	1.10E-07	4.60E-08	5.06E-08	9.66E-08	5.56E-09	8.20E-09	1.38E-08	4.84E-09	5.05E-09	9.89E-09
237	567314.56	4217095.66	5.28E-08	5.70E-08	1.10E-07	4.58E-08	5.04E-08	9.62E-08	5.53E-09	8.17E-09	1.37E-08	4.82E-09	5.03E-09	9.85E-09
238	567306.91	4217105.64	5.18E-08	5.59E-08	1.08E-07	4.49E-08	4.95E-08	9.44E-08	5.43E-09	8.01E-09	1.34E-08	4.73E-09	4.93E-09	9.66E-09
239	567299.27	4217115.63	5.00E-08	5.39E-08	1.04E-07	4.34E-08	4.77E-08	9.11E-08	5.24E-09	7.73E-09	1.30E-08	4.56E-09	4.76E-09	9.33E-09
240	567291.63	4217125.62	4.74E-08	5.12E-08	9.86E-08	4.11E-08	4.53E-08	8.65E-08	4.97E-09	7.34E-09	1.23E-08	4.33E-09	4.52E-09	8.85E-09
241	567276.34	4217145.6	4.05E-08	4.38E-08	8.43E-08	3.52E-08	3.87E-08	7.39E-08	4.25E-09	6.27E-09	1.05E-08	3.70E-09	3.86E-09	7.57E-09
242	567266.3	4217151.49	3.82E-08	4.13E-08	7.95E-08	3.32E-08	3.65E-08	6.97E-08	4.01E-09	5.92E-09	9.92E-09	3.49E-09	3.64E-09	7.13E-09
243	567253.85	4217153.29	3.72E-08	4.01E-08	7.73E-08	3.23E-08	3.55E-08	6.78E-08	3.90E-09	5.75E-09	9.65E-09	3.40E-09	3.54E-09	6.94E-09
244	567241.4	4217155.1	3.57E-08	3.85E-08	7.41E-08	3.09E-08	3.41E-08	6.50E-08	3.74E-09	5.52E-09	9.26E-09	3.26E-09	3.40E-09	6.66E-09
245	567228.96	4217156.9	3.37E-08	3.64E-08	7.01E-08	2.92E-08	3.22E-08	6.14E-08	3.53E-09	5.22E-09	8.75E-09	3.08E-09	3.21E-09	6.29E-09
246	567216.51	4217158.7	3.13E-08	3.38E-08	6.51E-08	2.72E-08	2.99E-08	5.71E-08	3.29E-09	4.85E-09	8.13E-09	2.86E-09	2.99E-09	5.85E-09
247	567204.06	4217160.5	2.86E-08	3.09E-08	5.96E-08	2.49E-08	2.74E-08	5.22E-08	3.00E-09	4.43E-09	7.44E-09	2.62E-09	2.73E-09	5.35E-09
248	567166.72	4217165.91	2.03E-08	2.19E-08	4.22E-08	1.76E-08	1.94E-08	3.70E-08	2.13E-09	3.14E-09	5.27E-09	1.85E-09	1.93E-09	3.78E-09
249	567154.27	4217167.71	1.79E-08	1.93E-08	3.72E-08	1.55E-08	1.71E-08	3.26E-08	1.88E-09	2.77E-09	4.64E-09	1.63E-09	1.70E-09	3.34E-09
250	567141.83	4217169.52	1.59E-08	1.71E-08	3.30E-08	1.38E-08	1.51E-08	2.89E-08	1.66E-09	2.45E-09	4.12E-09	1.45E-09	1.51E-09	2.96E-09
251	567129.38	4217171.32	1.42E-08	1.54E-08	2.96E-08	1.23E-08	1.36E-08	2.59E-08	1.49E-09	2.20E-09	3.69E-09	1.30E-09	1.36E-09	2.65E-09
252	567365.96	4217024.43	4.17E-08	4.50E-08	8.67E-08	3.62E-08	3.98E-08	7.60E-08	4.37E-09	6.45E-09	1.08E-08	3.81E-09	3.97E-09	7.78E-09
253	567370.03	4217038.4	4.09E-08	4.41E-08	8.50E-08	3.55E-08	3.90E-08	7.45E-08	4.29E-09	6.33E-09	1.06E-08	3.73E-09	3.90E-09	7.63E-09
254	567362.33	4217048.47	4.35E-08	4.69E-08	9.04E-08	3.77E-08	4.15E-08	7.93E-08	4.56E-09	6.73E-09	1.13E-08	3.97E-09	4.15E-09	8.12E-09
255	567354.63	4217058.54	4.58E-08	4.94E-08	9.52E-08	3.97E-08	4.37E-08	8.35E-08	4.80E-09	7.09E-09	1.19E-08	4.18E-09	4.36E-09	8.55E-09
256	567346.92	4217068.61	4.77E-08	5.14E-08	9.91E-08	4.13E-08	4.55E-08	8.69E-08	5.00E-09	7.38E-09	1.24E-08	4.35E-09	4.54E-09	8.90E-09
257	567339.22	4217078.67	4.89E-08	5.28E-08	1.02E-07	4.25E-08	4.68E-08	8.92E-08	5.13E-09	7.58E-09	1.27E-08	4.47E-09	4.67E-09	9.14E-09
258	567331.51	4217088.74	4.96E-08	5.35E-08	1.03E-07	4.30E-08	4.74E-08	9.04E-08	5.20E-09	7.67E-09	1.29E-08	4.53E-09	4.73E-09	9.25E-09
259	567323.81	4217098.81	4.95E-08	5.34E-08	1.03E-07	4.29E-08	4.73E-08	9.02E-08	5.19E-09	7.66E-09	1.29E-08	4.52E-09	4.72E-09	9.24E-09
260	567316.1	4217108.88	4.87E-08	5.26E-08	1.01E-07	4.23E-08	4.65E-08	8.88E-08	5.11E-09	7.54E-09	1.26E-08	4.45E-09	4.64E-09	9.09E-09
261	567308.4	4217118.94	4.72E-08	5.09E-08	9.81E-08	4.09E-08	4.51E-08	8.60E-08	4.95E-09	7.30E-09	1.22E-08	4.31E-09	4.50E-09	8.81E-09
262	567300.69	4217129.01	4.49E-08	4.85E-08	9.35E-08	3.90E-08	4.29E-08	8.19E-08	4.71E-09	6.96E-09	1.17E-08	4.11E-09	4.28E-09	8.39E-09
263	567285.29	4217149.15	3.88E-08	4.18E-08	8.06E-08	3.36E-08	3.70E-08	7.07E-08	4.07E-09	6.00E-09	1.01E-08	3.54E-09	3.69E-09	7.24E-09
264	567271.31	4217160.12	3.47E-08	3.75E-08	7.22E-08	3.01E-08	3.32E-08	6.33E-08	3.64E-09	5.38E-09	9.02E-09	3.17E-09	3.31E-09	6.48E-09
265	567246.21	4217163.76	3.21E-08	3.47E-08	6.68E-08	2.79E-08	3.07E-08	5.86E-08	3.37E-09	4.97E-09	8.35E-09	2.94E-09	3.06E-09	6.00E-09
266	567233.67	4217165.57	3.03E-08	3.27E-08	6.29E-08	2.63E-08	2.89E-08	5.52E-08	3.17E-09	4.68E-09	7.86E-09	2.76E-09	2.88E-09	5.65E-09
267	567221.12	4217167.39	2.81E-08	3.03E-08	5.84E-08	2.44E-08	2.68E-08	5.12E-08	2.94E-09	4.34E-09	7.29E-09	2.56E-09	2.68E-09	5.24E-09
268	567208.58	4217169.21	2.56E-08	2.77E-08	5.33E-08	2.22E-08	2.45E-08	4.67E-08	2.69E-09	3.97E-09	6.66E-09	2.34E-09	2.44E-09	4.79E-09
269	567196.03	4217171.03	2.31E-08	2.49E-08	4.80E-08	2.00E-08	2.21E-08	4.21E-08	2.42E-09	3.58E-09	6.00E-09	2.11E-09	2.20E-09	4.31E-09
270	567170.94	4217174.66	1.82E-08	1.97E-08	3.79E-08	1.58E-08	1.74E-08	3.32E-08	1.91E-09	2.82E-09	4.74E-09	1.67E-09	1.74E-09	3.40E-09
271	567158.39	4217176.48	1.61E-08	1.74E-08	3.36E-08	1.40E-08	1.54E-08	2.94E-08	1.69E-09	2.50E-09	4.19E-09	1.48E-09	1.54E-09	3.01E-09
272	567145.84	4217178.29	1.44E-08	1.55E-08	2.99E-08	1.25E-08	1.37E-08	2.62E-08	1.51E-09	2.23E-09	3.73E-09	1.31E-09	1.37E-09	2.68E-09
273	567133.3	4217180.11	1.29E-08	1.40E-08	2.69E-08	1.12E-08	1.24E-08	2.36E-08	1.36E-09	2.00E-09	3.36E-09	1.18E-09	1.23E-09	2.42E-09
274	567375.61	4217027.06	3.86E-08	4.17E-08	8.03E-08	3.35E-08	3.69E-08	7.04E-08	4.05E-09	5.98E-09	1.00E-08	3.53E-09	3.68E-09	7.21E-09
275	567379.65	4217041.07	3.79E-08	4.09E-08	7.88E-08	3.29E-08	3.62E-08	6.91E-08	3.98E-09	5.87E-09	9.84E-09	3.46E-09	3.61E-09	7.07E-09
276	567371.89	4217051.21	4.04E-08	4.37E-08	8.41E-08	3.51E-08	3.86E-08	7.37E-08	4.24E-09	6.26E-09	1.05E-08	3.69E-09	3.86E-09	7.55E-09
277	567364.13	4217061.35	4.26E-08	4.60E-08	8.87E-08	3.70E-08	4.07E-08	7.77E-08	4.47E-09	6.60E-09	1.11E-08	3.90E-09	4.07E-09	7.96E-09
278	567356.37	4217071.5	4.45E-08	4.80E-08	9.25E-08	3.86E-08	4.25E-08	8.10E-08	4.66E-09	6.88E-09	1.15E-08	4.06E-09	4.24E-09	8.30E-09
279	567348.61	4217081.64	4.58E-08	4.94E-08	9.52E-08	3.97E-08	4.37E-08	8.34E-08	4.80E-09	7.08E-09	1.19E-08	4.18E-09	4.36E-09	8.54E-09
280	567340.85	4217091.78	4.65E-08	5.02E-08	9.66E-08	4.03E-08	4.44E-08	8.47E-08	4.87E-09	7.19E-09	1.21E-08	4.24E-09	4.43E-09	8.67E-09

281	567333.09	4217101.92	4.65E-08	5.02E-08	9.67E-08	4.04E-08	4.44E-08	8.48E-08	4.88E-09	7.20E-09	1.21E-08	4.25E-09	4.43E-09	8.68E-09
282	567325.33	4217112.06	4.59E-08	4.95E-08	9.54E-08	3.98E-08	4.38E-08	8.36E-08	4.81E-09	7.10E-09	1.19E-08	4.19E-09	4.37E-09	8.57E-09
283	567317.57	4217122.2	4.46E-08	4.81E-08	9.27E-08	3.87E-08	4.26E-08	8.13E-08	4.68E-09	6.90E-09	1.16E-08	4.07E-09	4.25E-09	8.32E-09
284	567309.81	4217132.34	4.26E-08	4.60E-08	8.87E-08	3.70E-08	4.07E-08	7.77E-08	4.47E-09	6.60E-09	1.11E-08	3.90E-09	4.07E-09	7.96E-09
285	567294.28	4217152.63	3.71E-08	4.01E-08	7.72E-08	3.22E-08	3.55E-08	6.77E-08	3.89E-09	5.75E-09	9.64E-09	3.39E-09	3.54E-09	6.93E-09
286	567286.52	4217162.77	3.38E-08	3.65E-08	7.04E-08	2.94E-08	3.23E-08	6.17E-08	3.55E-09	5.24E-09	8.79E-09	3.09E-09	3.23E-09	6.32E-09
287	567276.32	4217168.75	3.17E-08	3.42E-08	6.58E-08	2.75E-08	3.02E-08	5.77E-08	3.32E-09	4.90E-09	8.22E-09	2.89E-09	3.02E-09	5.91E-09
288	567251.05	4217172.41	2.91E-08	3.14E-08	6.05E-08	2.52E-08	2.78E-08	5.30E-08	3.05E-09	4.50E-09	7.55E-09	2.66E-09	2.77E-09	5.43E-09
289	567238.41	4217174.24	2.73E-08	2.95E-08	5.68E-08	2.37E-08	2.61E-08	4.98E-08	2.86E-09	4.23E-09	7.09E-09	2.49E-09	2.60E-09	5.10E-09
290	567225.77	4217176.08	2.53E-08	2.73E-08	5.26E-08	2.19E-08	2.41E-08	4.61E-08	2.65E-09	3.91E-09	6.56E-09	2.31E-09	2.41E-09	4.72E-09
291	567213.13	4217177.91	2.31E-08	2.49E-08	4.80E-08	2.00E-08	2.20E-08	4.21E-08	2.42E-09	3.57E-09	5.99E-09	2.11E-09	2.20E-09	4.31E-09
292	567200.49	4217179.74	2.08E-08	2.25E-08	4.33E-08	1.80E-08	1.99E-08	3.79E-08	2.18E-09	3.22E-09	5.40E-09	1.90E-09	1.98E-09	3.88E-09
293	567175.22	4217183.4	1.65E-08	1.78E-08	3.43E-08	1.43E-08	1.58E-08	3.01E-08	1.73E-09	2.56E-09	4.29E-09	1.51E-09	1.57E-09	3.08E-09
294	567162.58	4217185.23	1.47E-08	1.58E-08	3.05E-08	1.27E-08	1.40E-08	2.67E-08	1.54E-09	2.27E-09	3.81E-09	1.34E-09	1.40E-09	2.74E-09
295	567149.94	4217187.06	1.31E-08	1.41E-08	2.72E-08	1.14E-08	1.25E-08	2.39E-08	1.37E-09	2.03E-09	3.40E-09	1.20E-09	1.25E-09	2.45E-09
296	567137.3	4217188.89	1.18E-08	1.28E-08	2.46E-08	1.03E-08	1.13E-08	2.16E-08	1.24E-09	1.83E-09	3.07E-09	1.08E-09	1.13E-09	2.21E-09
297	567124.66	4217190.72	1.08E-08	1.17E-08	2.25E-08	9.40E-09	1.04E-08	1.98E-08	1.14E-09	1.68E-09	2.81E-09	9.90E-10	1.03E-09	2.02E-09
298	567385.25	4217029.7	3.58E-08	3.86E-08	7.44E-08	3.11E-08	3.42E-08	6.52E-08	3.75E-09	5.54E-09	9.29E-09	3.27E-09	3.41E-09	6.68E-09
299	567389.28	4217043.74	3.53E-08	3.81E-08	7.34E-08	3.06E-08	3.37E-08	6.43E-08	3.70E-09	5.46E-09	9.16E-09	3.22E-09	3.36E-09	6.59E-09
300	567381.46	4217053.95	3.76E-08	4.06E-08	7.82E-08	3.26E-08	3.59E-08	6.86E-08	3.94E-09	5.82E-09	9.77E-09	3.44E-09	3.58E-09	7.02E-09
301	567373.65	4217064.16	3.98E-08	4.30E-08	8.28E-08	3.45E-08	3.80E-08	7.25E-08	4.17E-09	6.16E-09	1.03E-08	3.64E-09	3.79E-09	7.43E-09
302	567365.84	4217074.37	4.16E-08	4.49E-08	8.64E-08	3.61E-08	3.97E-08	7.57E-08	4.36E-09	6.43E-09	1.08E-08	3.80E-09	3.96E-09	7.76E-09
303	567358.02	4217084.58	4.29E-08	4.63E-08	8.91E-08	3.72E-08	4.09E-08	7.81E-08	4.49E-09	6.63E-09	1.11E-08	3.91E-09	4.08E-09	8.00E-09
304	567350.21	4217094.79	4.36E-08	4.71E-08	9.07E-08	3.78E-08	4.17E-08	7.95E-08	4.57E-09	6.75E-09	1.13E-08	3.98E-09	4.16E-09	8.14E-09
305	567342.4	4217104.99	4.38E-08	4.72E-08	9.10E-08	3.80E-08	4.18E-08	7.98E-08	4.59E-09	6.77E-09	1.14E-08	4.00E-09	4.17E-09	8.17E-09
306	567334.58	4217115.2	4.33E-08	4.67E-08	9.00E-08	3.76E-08	4.14E-08	7.89E-08	4.54E-09	6.70E-09	1.12E-08	3.96E-09	4.13E-09	8.08E-09
307	567326.77	4217125.41	4.22E-08	4.56E-08	8.78E-08	3.66E-08	4.03E-08	7.70E-08	4.43E-09	6.53E-09	1.10E-08	3.86E-09	4.02E-09	7.88E-09
308	567318.96	4217135.62	4.05E-08	4.37E-08	8.43E-08	3.52E-08	3.87E-08	7.39E-08	4.25E-09	6.27E-09	1.05E-08	3.70E-09	3.86E-09	7.56E-09
309	567303.33	4217156.04	3.56E-08	3.84E-08	7.40E-08	3.09E-08	3.40E-08	6.49E-08	3.73E-09	5.51E-09	9.24E-09	3.25E-09	3.39E-09	6.65E-09
310	567295.52	4217166.25	3.26E-08	3.52E-08	6.78E-08	2.83E-08	3.11E-08	5.94E-08	3.42E-09	5.05E-09	8.47E-09	2.98E-09	3.11E-09	6.09E-09
311	567281.34	4217177.38	2.89E-08	3.12E-08	6.02E-08	2.51E-08	2.76E-08	5.28E-08	3.04E-09	4.48E-09	7.52E-09	2.64E-09	2.76E-09	5.40E-09
312	567268.62	4217179.23	2.78E-08	3.00E-08	5.79E-08	2.41E-08	2.66E-08	5.07E-08	2.92E-09	4.31E-09	7.23E-09	2.54E-09	2.65E-09	5.19E-09
313	567243.17	4217182.91	2.47E-08	2.67E-08	5.15E-08	2.15E-08	2.36E-08	4.51E-08	2.60E-09	3.83E-09	6.43E-09	2.26E-09	2.36E-09	4.62E-09
314	567230.45	4217184.76	2.29E-08	2.47E-08	4.76E-08	1.98E-08	2.18E-08	4.17E-08	2.40E-09	3.54E-09	5.94E-09	2.09E-09	2.18E-09	4.27E-09
315	567217.72	4217186.6	2.09E-08	2.25E-08	4.34E-08	1.81E-08	1.99E-08	3.80E-08	2.19E-09	3.23E-09	5.42E-09	1.91E-09	1.99E-09	3.90E-09
316	567205	4217188.44	1.88E-08	2.03E-08	3.92E-08	1.63E-08	1.80E-08	3.43E-08	1.98E-09	2.92E-09	4.89E-09	1.72E-09	1.80E-09	3.52E-09
317	567192.28	4217190.28	1.69E-08	1.82E-08	3.50E-08	1.46E-08	1.61E-08	3.07E-08	1.77E-09	2.61E-09	4.38E-09	1.54E-09	1.61E-09	3.15E-09
318	567166.83	4217193.97	1.34E-08	1.45E-08	2.78E-08	1.16E-08	1.28E-08	2.44E-08	1.40E-09	2.07E-09	3.48E-09	1.22E-09	1.28E-09	2.50E-09
319	567154.11	4217195.81	1.20E-08	1.30E-08	2.50E-08	1.04E-08	1.15E-08	2.19E-08	1.26E-09	1.86E-09	3.12E-09	1.10E-09	1.14E-09	2.24E-09
320	567141.38	4217197.65	1.09E-08	1.17E-08	2.26E-08	9.43E-09	1.04E-08	1.98E-08	1.14E-09	1.68E-09	2.82E-09	9.93E-10	1.04E-09	2.03E-09
321	567128.66	4217199.5	9.98E-09	1.08E-08	2.08E-08	8.66E-09	9.53E-09	1.82E-08	1.05E-09	1.55E-09	2.59E-09	9.12E-10	9.51E-10	1.86E-09
322	567394.9	4217032.33	3.33E-08	3.59E-08	6.93E-08	2.89E-08	3.18E-08	6.07E-08	3.49E-09	5.15E-09	8.65E-09	3.04E-09	3.17E-09	6.22E-09
323	567398.9	4217046.4	3.29E-08	3.55E-08	6.84E-08	2.86E-08	3.14E-08	6.00E-08	3.45E-09	5.09E-09	8.55E-09	3.01E-09	3.14E-09	6.14E-09
324	567391.04	4217056.67	3.51E-08	3.79E-08	7.30E-08	3.05E-08	3.35E-08	6.40E-08	3.68E-09	5.43E-09	9.12E-09	3.21E-09	3.35E-09	6.55E-09
325	567383.17	4217066.95	3.72E-08	4.02E-08	7.74E-08	3.23E-08	3.55E-08	6.78E-08	3.90E-09	5.76E-09	9.66E-09	3.40E-09	3.55E-09	6.94E-09
326	567375.31	4217077.22	3.89E-08	4.20E-08	8.09E-08	3.37E-08	3.72E-08	7.09E-08	4.08E-09	6.02E-09	1.01E-08	3.55E-09	3.71E-09	7.26E-09
327	567367.45	4217087.49	4.02E-08	4.34E-08	8.36E-08	3.49E-08	3.84E-08	7.32E-08	4.21E-09	6.22E-09	1.04E-08	3.67E-09	3.83E-09	7.50E-09
328	567359.59	4217097.77	4.10E-08	4.42E-08	8.52E-08	3.56E-08	3.91E-08	7.47E-08	4.30E-09	6.34E-09	1.06E-08	3.74E-09	3.91E-09	7.65E-09
329	567351.73	4217108.04	4.12E-08	4.45E-08	8.57E-08	3.58E-08	3.94E-08	7.52E-08	4.33E-09	6.38E-09	1.07E-08	3.77E-09	3.93E-09	7.70E-09
330	567343.87	4217118.31	4.09E-08	4.42E-08	8.51E-08	3.55E-08	3.91E-08	7.46E-08	4.29E-09	6.33E-09	1.06E-08	3.74E-09	3.90E-09	7.64E-09
331	567336	4217128.59	4.00E-08	4.32E-08	8.32E-08	3.47E-08	3.82E-08	7.29E-08	4.20E-09	6.19E-09	1.04E-08	3.65E-09	3.81E-09	7.47E-09
332	567328.14	4217138.86	3.85E-08	4.16E-08	8.01E-08	3.34E-08	3.68E-08	7.03E-08	4.04E-09	5.97E-09	1.00E-08	3.52E-09	3.67E-09	7.19E-09
333	567312.42	4217159.4	3.42E-08	3.69E-08	7.10E-08	2.96E-08	3.26E-08	6.23E-08	3.58E-09	5.29E-09	8.87E-09	3.12E-09	3.26E-09	6.38E-09
334	567304.56	4217169.68	3.14E-08	3.39E-08	6.54E-08	2.73E-08	3.00E-08	5.73E-08	3.30E-09	4.87E-09	8.17E-09	2.87E-09	3.00E-09	5.87E-09
335	567296.7	4217179.95	2.85E-08	3.08E-08	5.93E-08	2.47E-08	2.72E-08	5.19E-08	2.99E-09	4.41E-09	7.40E-09	2.60E-09	2.72E-09	5.32E-09
336	567286.36	4217186.01	2.65E-08	2.86E-08	5.52E-08	2.30E-08	2.53E-08	4.83E-08	2.78E-09	4.11E-09	6.89E-09	2.42E-09	2.53E-09	4.95E-09
337	567273.56	4217187.87	2.54E-08	2.74E-08	5.29E-08	2.21E-08	2.43E-08	4.63E-08	2.67E-09	3.94E-09	6.60E-09	2.32E-09	2.42E-09	4.75E-09
338	567247.96	4217191.58	2.25E-08	2.43E-08	4.68E-08	1.95E-08	2.15E-08	4.10E-08	2.36E-09	3.48E-09	5.85E-09	2.06E-09	2.15E-09	4.20E-09
339	567235.15	4217193.43	2.08E-08	2.24E-08	4.32E-08	1.80E-08	1.99E-08	3.79E-08	2.18E-09	3.22E-09	5.40E-09	1.90E-09	1.98E-09	3.88E-09
340	567222.35	4217195.29	1.90E-08	2.05E-08	3.94E-08	1.65E-08	1.81E-08	3.46E-08	1.99E-09	2.94E-09	4.93E-09	1.73E-09	1.81E-09	3.54E-09
341	567209.55	4217197.14	1.71E-08	1.85E-08	3.56E-08	1.49E-08	1.64E-08	3.12E-08	1.80E-09	2.65E-09	4.45E-09	1.57E-09	1.63E-09	3.20E-09
342	567196.75	4217198.99	1.54E-08	1.66E-08	3.19E-08	1.33E-08	1.47E-08	2.80E-08	1.61E-09	2.38E-09	3.99E-09	1.40E-09	1.46E-09	2.87E-09
343	567171.14	4217202.7	1.23E-08	1.33E-08	2.55E-08	1.07E-08	1.17E-08	2.24E-08	1.29E-09	1.90E-09	3.19E-09	1.12E-09	1.17E-09	2.29E-09
344	567158.34	4217204.56	1.10E-08	1.19E-08	2.30E-08	9.58E-09	1.05E-08	2.01E-08	1.16E-09	1.71E-09	2.87E-09	1.01E-09	1.05E-09	2.06E-09
345	567145.54	4217206.41	1.00E-08	1.08E-08	2.09E-08	8.70E-09	9.58E-09	1.83E-08	1.05E-09	1.55E-09	2.60E-09	9.16E-10	9.56E-10	1.87E-09
346	567132.73	4217208.26	9.23E-09	9.96E-09	1.92E-08	8.01E-09	8.82E-09	1.68E-08	9.68E-10	1.43E-09	2.40E-09	8.43E-10	8.80E-10	1.72E-09
347	567119.93	4217210.12	8.62E-09	9.31E-09	1.79E-08	7.48E-09	8.24E-09	1.57E-08	9.04E-10	1.33E-09	2.24E-09	7.88E-10	8.22E-10	1.61E-09
348	567404.55	4217034.96	3.11E-08	3.35E-08	6.46E-08	2.69E-08	2.97E-08	5.66E-08	3.26E-09	4.81E-09	8.06E-09	2.84E-09	2.96E-09	5.80E-09
349	567408.52	4217049.06	3.08E-08	3.32E-08	6.40E-08	2.67E-08	2.94E-08	5.61E-08	3.23E-09	4.76E-09	7.99E-09	2.81E-09	2.93E-09	5.74E-09
350	567400.62	4217059.39	3.28E-08	3.54E-08	6.83E-08	2.85E-08	3.14E-08	5.98E-08	3.44E-09	5.08E-09	8.52E-09	3.00E-09	3.13E-09	6.13E-09
351	567392.71	4217069.73	3.47E-08	3.75E-08	7.22E-08	3.01E-08	3.32E-08	6.33E-08	3.64E-09	5.38E-09	9.02E-09	3.17E-09	3.31E-09	6.48E-09

352	567384.8	4217080.06	3.65E-08	3.94E-08	7.58E-08	3.16E-08	3.48E-08	6.65E-08	3.82E-09	5.64E-09	9.47E-09	3.33E-09	3.48E-09	6.81E-09
353	567376.9	4217090.39	3.77E-08	4.07E-08	7.85E-08	3.27E-08	3.60E-08	6.88E-08	3.96E-09	5.84E-09	9.80E-09	3.45E-09	3.60E-09	7.04E-09
354	567368.99	4217100.72	3.86E-08	4.16E-08	8.02E-08	3.35E-08	3.68E-08	7.03E-08	4.05E-09	5.97E-09	1.00E-08	3.52E-09	3.68E-09	7.20E-09
355	567361.08	4217111.05	3.89E-08	4.20E-08	8.09E-08	3.38E-08	3.72E-08	7.09E-08	4.08E-09	6.02E-09	1.01E-08	3.55E-09	3.71E-09	7.26E-09
356	567353.17	4217121.39	3.87E-08	4.18E-08	8.05E-08	3.36E-08	3.70E-08	7.05E-08	4.06E-09	5.99E-09	1.00E-08	3.53E-09	3.69E-09	7.22E-09
357	567345.27	4217131.72	3.80E-08	4.10E-08	7.89E-08	3.29E-08	3.63E-08	6.92E-08	3.98E-09	5.88E-09	9.86E-09	3.47E-09	3.62E-09	7.08E-09
358	567337.36	4217142.05	3.67E-08	3.96E-08	7.63E-08	3.18E-08	3.50E-08	6.69E-08	3.85E-09	5.68E-09	9.53E-09	3.35E-09	3.50E-09	6.85E-09
359	567321.55	4217162.72	3.28E-08	3.54E-08	6.82E-08	2.85E-08	3.13E-08	5.98E-08	3.44E-09	5.08E-09	8.52E-09	3.00E-09	3.13E-09	6.12E-09
360	567313.64	4217173.05	3.03E-08	3.27E-08	6.31E-08	2.63E-08	2.90E-08	5.53E-08	3.18E-09	4.70E-09	7.88E-09	2.77E-09	2.89E-09	5.66E-09
361	567305.73	4217183.38	2.76E-08	2.98E-08	5.75E-08	2.40E-08	2.64E-08	5.04E-08	2.90E-09	4.28E-09	7.18E-09	2.52E-09	2.63E-09	5.16E-09
362	567291.39	4217194.64	2.44E-08	2.63E-08	5.07E-08	2.11E-08	2.33E-08	4.44E-08	2.56E-09	3.77E-09	6.33E-09	2.23E-09	2.32E-09	4.55E-09
363	567278.51	4217196.51	2.33E-08	2.51E-08	4.84E-08	2.02E-08	2.23E-08	4.25E-08	2.44E-09	3.61E-09	6.05E-09	2.13E-09	2.22E-09	4.35E-09
364	567252.76	4217200.24	2.06E-08	2.22E-08	4.27E-08	1.78E-08	1.96E-08	3.75E-08	2.16E-09	3.18E-09	5.34E-09	1.88E-09	1.96E-09	3.84E-09
365	567239.88	4217202.1	1.90E-08	2.05E-08	3.94E-08	1.65E-08	1.81E-08	3.46E-08	1.99E-09	2.94E-09	4.93E-09	1.73E-09	1.81E-09	3.54E-09
366	567227.01	4217203.97	1.73E-08	1.87E-08	3.60E-08	1.50E-08	1.65E-08	3.16E-08	1.82E-09	2.68E-09	4.50E-09	1.58E-09	1.65E-09	3.23E-09
367	567214.13	4217205.83	1.57E-08	1.69E-08	3.26E-08	1.36E-08	1.50E-08	2.85E-08	1.64E-09	2.42E-09	4.07E-09	1.43E-09	1.49E-09	2.92E-09
368	567201.26	4217207.7	1.41E-08	1.52E-08	2.92E-08	1.22E-08	1.34E-08	2.56E-08	1.48E-09	2.18E-09	3.65E-09	1.28E-09	1.34E-09	2.63E-09
369	567175.5	4217211.43	1.13E-08	1.22E-08	2.35E-08	9.81E-09	1.08E-08	2.06E-08	1.19E-09	1.75E-09	2.93E-09	1.03E-09	1.08E-09	2.11E-09
370	567162.63	4217213.29	1.02E-08	1.10E-08	2.12E-08	8.85E-09	9.74E-09	1.86E-08	1.07E-09	1.58E-09	2.65E-09	9.31E-10	9.72E-10	1.90E-09
371	567149.75	4217215.16	9.29E-09	1.00E-08	1.93E-08	8.06E-09	8.87E-09	1.69E-08	9.74E-10	1.44E-09	2.41E-09	8.48E-10	8.85E-10	1.73E-09
372	567136.88	4217217.02	8.57E-09	9.25E-09	1.78E-08	7.43E-09	8.18E-09	1.56E-08	8.99E-10	1.33E-09	2.22E-09	7.83E-10	8.17E-10	1.60E-09
373	567124	4217218.89	8.01E-09	8.65E-09	1.67E-08	6.95E-09	7.65E-09	1.46E-08	8.40E-10	1.24E-09	2.08E-09	7.32E-10	7.64E-10	1.50E-09
374	567410.59	4217061.61	3.06E-08	3.31E-08	6.37E-08	2.66E-08	2.93E-08	5.59E-08	3.21E-09	4.74E-09	7.96E-09	2.80E-09	2.92E-09	5.72E-09
375	567402.89	4217071.66	3.24E-08	3.50E-08	6.74E-08	2.81E-08	3.10E-08	5.91E-08	3.40E-09	5.02E-09	8.41E-09	2.96E-09	3.09E-09	6.05E-09
376	567395.2	4217081.71	3.40E-08	3.67E-08	7.06E-08	2.95E-08	3.24E-08	6.19E-08	3.56E-09	5.26E-09	8.82E-09	3.10E-09	3.24E-09	6.34E-09
377	567387.51	4217091.76	3.53E-08	3.81E-08	7.34E-08	3.06E-08	3.37E-08	6.44E-08	3.70E-09	5.47E-09	9.17E-09	3.23E-09	3.37E-09	6.59E-09
378	567379.81	4217101.81	3.62E-08	3.91E-08	7.53E-08	3.14E-08	3.46E-08	6.60E-08	3.80E-09	5.61E-09	9.40E-09	3.31E-09	3.45E-09	6.76E-09
379	567372.12	4217111.87	3.67E-08	3.96E-08	7.63E-08	3.18E-08	3.50E-08	6.69E-08	3.85E-09	5.68E-09	9.53E-09	3.35E-09	3.50E-09	6.85E-09
380	567364.43	4217121.92	3.67E-08	3.96E-08	7.63E-08	3.19E-08	3.51E-08	6.69E-08	3.85E-09	5.68E-09	9.53E-09	3.35E-09	3.50E-09	6.85E-09
381	567356.74	4217131.97	3.63E-08	3.91E-08	7.54E-08	3.15E-08	3.46E-08	6.61E-08	3.80E-09	5.61E-09	9.42E-09	3.31E-09	3.46E-09	6.77E-09
382	567349.04	4217142.02	3.53E-08	3.81E-08	7.35E-08	3.07E-08	3.38E-08	6.44E-08	3.71E-09	5.47E-09	9.18E-09	3.23E-09	3.37E-09	6.60E-09
383	567325.97	4217172.18	3.02E-08	3.26E-08	6.28E-08	2.62E-08	2.89E-08	5.51E-08	3.17E-09	4.68E-09	7.84E-09	2.76E-09	2.88E-09	5.64E-09
384	567318.27	4217182.23	2.79E-08	3.01E-08	5.80E-08	2.42E-08	2.67E-08	5.09E-08	2.93E-09	4.32E-09	7.25E-09	2.55E-09	2.66E-09	5.21E-09
385	567310.58	4217192.28	2.54E-08	2.75E-08	5.29E-08	2.21E-08	2.43E-08	4.64E-08	2.67E-09	3.94E-09	6.61E-09	2.32E-09	2.43E-09	4.75E-09
386	567296.62	4217203.24	2.25E-08	2.43E-08	4.67E-08	1.95E-08	2.15E-08	4.09E-08	2.36E-09	3.48E-09	5.83E-09	2.05E-09	2.14E-09	4.19E-09
387	567284.1	4217205.06	2.15E-08	2.32E-08	4.46E-08	1.86E-08	2.05E-08	3.91E-08	2.25E-09	3.32E-09	5.57E-09	1.96E-09	2.05E-09	4.01E-09
388	567271.57	4217206.87	2.03E-08	2.19E-08	4.22E-08	1.76E-08	1.94E-08	3.70E-08	2.13E-09	3.14E-09	5.27E-09	1.85E-09	1.93E-09	3.79E-09
389	567246.52	4217210.5	1.76E-08	1.90E-08	3.66E-08	1.53E-08	1.68E-08	3.21E-08	1.84E-09	2.72E-09	4.57E-09	1.61E-09	1.68E-09	3.28E-09
390	567233.99	4217212.31	1.61E-08	1.74E-08	3.35E-08	1.40E-08	1.54E-08	2.94E-08	1.69E-09	2.50E-09	4.19E-09	1.47E-09	1.54E-09	3.01E-09
391	567221.46	4217214.13	1.47E-08	1.58E-08	3.05E-08	1.27E-08	1.40E-08	2.67E-08	1.54E-09	2.27E-09	3.81E-09	1.34E-09	1.40E-09	2.74E-09
392	567208.93	4217215.94	1.33E-08	1.43E-08	2.76E-08	1.15E-08	1.27E-08	2.42E-08	1.39E-09	2.05E-09	3.44E-09	1.21E-09	1.26E-09	2.48E-09
393	567196.41	4217217.76	1.20E-08	1.29E-08	2.49E-08	1.04E-08	1.14E-08	2.18E-08	1.25E-09	1.85E-09	3.10E-09	1.09E-09	1.14E-09	2.23E-09
394	567171.35	4217221.39	9.77E-09	1.05E-08	2.03E-08	8.47E-09	9.33E-09	1.78E-08	1.02E-09	1.51E-09	2.54E-09	8.92E-10	9.31E-10	1.82E-09
395	567158.83	4217223.2	8.91E-09	9.62E-09	1.85E-08	7.73E-09	8.51E-09	1.62E-08	9.35E-10	1.38E-09	2.31E-09	8.14E-10	8.50E-10	1.66E-09
396	567146.3	4217225.02	8.22E-09	8.87E-09	1.71E-08	7.13E-09	7.85E-09	1.50E-08	8.62E-10	1.27E-09	2.13E-09	7.51E-10	7.84E-10	1.53E-09
397	567133.77	4217226.83	7.67E-09	8.28E-09	1.60E-08	6.66E-09	7.33E-09	1.40E-08	8.05E-10	1.19E-09	1.99E-09	7.01E-10	7.32E-10	1.43E-09
398	567121.24	4217228.64	7.25E-09	7.83E-09	1.51E-08	6.29E-09	6.93E-09	1.32E-08	7.61E-10	1.12E-09	1.88E-09	6.63E-10	6.91E-10	1.35E-09
399	567404.69	4217084.55	3.19E-08	3.44E-08	6.63E-08	2.77E-08	3.05E-08	5.81E-08	3.34E-09	4.93E-09	8.28E-09	2.91E-09	3.04E-09	5.95E-09
400	567396.95	4217094.67	3.32E-08	3.58E-08	6.91E-08	2.88E-08	3.17E-08	6.05E-08	3.48E-09	5.14E-09	8.62E-09	3.03E-09	3.17E-09	6.20E-09
401	567389.21	4217104.78	3.41E-08	3.68E-08	7.10E-08	2.96E-08	3.26E-08	6.22E-08	3.58E-09	5.28E-09	8.86E-09	3.12E-09	3.25E-09	6.37E-09
402	567381.47	4217114.89	3.47E-08	3.74E-08	7.21E-08	3.01E-08	3.31E-08	6.32E-08	3.64E-09	5.37E-09	9.00E-09	3.17E-09	3.30E-09	6.47E-09
403	567373.73	4217125	3.48E-08	3.75E-08	7.23E-08	3.02E-08	3.32E-08	6.34E-08	3.65E-09	5.38E-09	9.03E-09	3.18E-09	3.31E-09	6.49E-09
404	567365.99	4217135.12	3.44E-08	3.72E-08	7.16E-08	2.99E-08	3.29E-08	6.28E-08	3.61E-09	5.33E-09	8.94E-09	3.15E-09	3.28E-09	6.43E-09
405	567358.25	4217145.23	3.37E-08	3.63E-08	7.00E-08	2.92E-08	3.21E-08	6.14E-08	3.53E-09	5.21E-09	8.74E-09	3.07E-09	3.21E-09	6.28E-09
406	567327.3	4217185.68	2.70E-08	2.91E-08	5.61E-08	2.34E-08	2.58E-08	4.92E-08	2.83E-09	4.18E-09	7.01E-09	2.47E-09	2.57E-09	5.04E-09
407	567319.56	4217195.79	2.47E-08	2.67E-08	5.14E-08	2.14E-08	2.36E-08	4.51E-08	2.59E-09	3.83E-09	6.42E-09	2.26E-09	2.36E-09	4.61E-09
408	567311.82	4217205.9	2.24E-08	2.41E-08	4.65E-08	1.94E-08	2.14E-08	4.07E-08	2.34E-09	3.46E-09	5.81E-09	2.04E-09	2.13E-09	4.17E-09
409	567301.65	4217211.87	2.07E-08	2.24E-08	4.31E-08	1.80E-08	1.98E-08	3.78E-08	2.18E-09	3.21E-09	5.39E-09	1.89E-09	1.98E-09	3.87E-09
410	567289.05	4217213.7	1.98E-08	2.14E-08	4.11E-08	1.72E-08	1.89E-08	3.61E-08	2.07E-09	3.06E-09	5.14E-09	1.81E-09	1.89E-09	3.69E-09
411	567276.44	4217215.52	1.87E-08	2.02E-08	3.88E-08	1.62E-08	1.78E-08	3.40E-08	1.96E-09	2.89E-09	4.85E-09	1.71E-09	1.78E-09	3.49E-09
412	567251.24	4217219.17	1.62E-08	1.74E-08	3.36E-08	1.40E-08	1.54E-08	2.95E-08	1.69E-09	2.50E-09	4.20E-09	1.48E-09	1.54E-09	3.02E-09
413	567238.64	4217221	1.48E-08	1.60E-08	3.08E-08	1.29E-08	1.42E-08	2.70E-08	1.55E-09	2.29E-09	3.85E-09	1.35E-09	1.41E-09	2.77E-09
414	567226.03	4217222.82	1.35E-08	1.46E-08	2.81E-08	1.17E-08	1.29E-08	2.46E-08	1.42E-09	2.09E-09	3.50E-09	1.23E-09	1.29E-09	2.52E-09
415	567213.43	4217224.65	1.22E-08	1.32E-08	2.54E-08	1.06E-08	1.17E-08	2.23E-08	1.28E-09	1.89E-09	3.17E-09	1.12E-09	1.16E-09	2.28E-09
416	567200.83	4217226.47	1.10E-08	1.19E-08	2.30E-08	9.58E-09	1.05E-08	2.01E-08	1.16E-09	1.71E-09	2.87E-09	1.01E-09	1.05E-09	2.06E-09
417	567175.62	4217230.13	9.06E-09	9.78E-09	1.88E-08	7.86E-09	8.65E-09	1.65E-08	9.50E-10	1.40E-09	2.35E-09	8.28E-10	8.64E-10	1.69E-09
418	567163.02	4217231.95	8.29E-09	8.95E-09	1.72E-08	7.19E-09	7.92E-09	1.51E-08	8.70E-10	1.28E-09	2.15E-09	7.57E-10	7.90E-10	1.55E-09
419	567150.42	4217233.78	7.66E-09	8.27E-09	1.59E-08	6.65E-09	7.32E-09	1.40E-08	8.04E-10	1.19E-09	1.99E-09	7.00E-10	7.31E-10	1.43E-09
420	567137.82	4217235.6	7.17E-09	7.74E-09	1.49E-08	6.22E-09	6.85E-09	1.31E-08	7.52E-10	1.11E-09	1.86E-09	6.55E-10	6.83E-10	1.34E-09
421	567125.21	4217237.43	6.78E-09	7.32E-09	1.41E-08	5.88E-09	6.48E-09	1.24E-08	7.11E-10	1.05E-09	1.76E-09	6.19E-10	6.46E-10	1.27E-09
422	567437.53	4217056.88	2.56E-08	2.76E-08	5.32E-08	2.22E-08	2.44E-08	4.66E-08	2.68E-09	3.96E-09	6.64E-09	2.34E-09	2.44E-09	4.77E-09

423	567406.4	4217097.55	3.12E-08	3.37E-08	6.49E-08	2.71E-08	2.98E-08	5.69E-08	3.27E-09	4.83E-09	8.10E-09	2.85E-09	2.97E-09	5.82E-09
424	567398.62	4217107.72	3.22E-08	3.48E-08	6.70E-08	2.79E-08	3.08E-08	5.87E-08	3.38E-09	4.98E-09	8.36E-09	2.94E-09	3.07E-09	6.01E-09
425	567390.83	4217117.89	3.28E-08	3.54E-08	6.82E-08	2.84E-08	3.13E-08	5.98E-08	3.44E-09	5.07E-09	8.51E-09	2.99E-09	3.12E-09	6.12E-09
426	567383.05	4217128.06	3.30E-08	3.56E-08	6.85E-08	2.86E-08	3.15E-08	6.01E-08	3.46E-09	5.10E-09	8.56E-09	3.01E-09	3.14E-09	6.15E-09
427	567375.27	4217138.23	3.27E-08	3.53E-08	6.81E-08	2.84E-08	3.13E-08	5.97E-08	3.43E-09	5.07E-09	8.50E-09	2.99E-09	3.12E-09	6.11E-09
428	567367.49	4217148.4	3.21E-08	3.46E-08	6.67E-08	2.78E-08	3.06E-08	5.85E-08	3.37E-09	4.97E-09	8.33E-09	2.93E-09	3.06E-09	5.99E-09
429	567351.92	4217168.74	2.97E-08	3.20E-08	6.17E-08	2.57E-08	2.83E-08	5.41E-08	3.11E-09	4.59E-09	7.70E-09	2.71E-09	2.83E-09	5.54E-09
430	567328.58	4217199.25	2.40E-08	2.59E-08	4.99E-08	2.08E-08	2.29E-08	4.38E-08	2.52E-09	3.72E-09	6.24E-09	2.19E-09	2.29E-09	4.48E-09
431	567320.79	4217209.42	2.18E-08	2.36E-08	4.54E-08	1.89E-08	2.08E-08	3.98E-08	2.29E-09	3.38E-09	5.67E-09	1.99E-09	2.08E-09	4.07E-09
432	567306.67	4217220.5	1.92E-08	2.07E-08	3.99E-08	1.67E-08	1.83E-08	3.50E-08	2.01E-09	2.97E-09	4.98E-09	1.75E-09	1.83E-09	3.58E-09
433	567294	4217222.34	1.83E-08	1.97E-08	3.80E-08	1.59E-08	1.75E-08	3.33E-08	1.92E-09	2.83E-09	4.74E-09	1.67E-09	1.74E-09	3.41E-09
434	567281.33	4217224.17	1.72E-08	1.86E-08	3.58E-08	1.49E-08	1.65E-08	3.14E-08	1.81E-09	2.67E-09	4.47E-09	1.57E-09	1.64E-09	3.22E-09
435	567268.65	4217226.01	1.61E-08	1.74E-08	3.35E-08	1.40E-08	1.54E-08	2.93E-08	1.69E-09	2.49E-09	4.18E-09	1.47E-09	1.53E-09	3.00E-09
436	567243.31	4217229.68	1.37E-08	1.48E-08	2.84E-08	1.19E-08	1.31E-08	2.49E-08	1.43E-09	2.12E-09	3.55E-09	1.25E-09	1.30E-09	2.55E-09
437	567230.64	4217231.52	1.25E-08	1.34E-08	2.59E-08	1.08E-08	1.19E-08	2.27E-08	1.31E-09	1.93E-09	3.23E-09	1.14E-09	1.19E-09	2.32E-09
438	567217.96	4217233.35	1.13E-08	1.22E-08	2.35E-08	9.80E-09	1.08E-08	2.06E-08	1.19E-09	1.75E-09	2.93E-09	1.03E-09	1.08E-09	2.11E-09
439	567205.29	4217235.19	1.02E-08	1.10E-08	2.13E-08	8.87E-09	9.77E-09	1.86E-08	1.07E-09	1.58E-09	2.66E-09	9.34E-10	9.75E-10	1.91E-09
440	567192.62	4217237.02	9.27E-09	1.00E-08	1.93E-08	8.04E-09	8.85E-09	1.69E-08	9.72E-10	1.43E-09	2.41E-09	8.47E-10	8.83E-10	1.73E-09
441	567167.27	4217240.69	7.74E-09	8.35E-09	1.61E-08	6.71E-09	7.39E-09	1.41E-08	8.11E-10	1.20E-09	2.01E-09	7.07E-10	7.37E-10	1.44E-09
442	567154.6	4217242.53	7.17E-09	7.73E-09	1.49E-08	6.22E-09	6.84E-09	1.31E-08	7.52E-10	1.11E-09	1.86E-09	6.54E-10	6.83E-10	1.34E-09
443	567141.92	4217244.36	6.71E-09	7.25E-09	1.40E-08	5.82E-09	6.41E-09	1.22E-08	7.04E-10	1.04E-09	1.74E-09	6.13E-10	6.40E-10	1.25E-09
444	567129.25	4217246.2	6.36E-09	6.86E-09	1.32E-08	5.52E-09	6.07E-09	1.16E-08	6.67E-10	9.84E-10	1.65E-09	5.81E-10	6.06E-10	1.19E-09
445	567116.58	4217248.03	6.09E-09	6.57E-09	1.27E-08	5.28E-09	5.82E-09	1.11E-08	6.39E-10	9.43E-10	1.58E-09	5.56E-10	5.80E-10	1.14E-09
446	567443.14	4217045.49	2.42E-08	2.61E-08	5.02E-08	2.10E-08	2.31E-08	4.40E-08	2.53E-09	3.74E-09	6.27E-09	2.21E-09	2.30E-09	4.51E-09
447	567447.15	4217059.53	2.42E-08	2.61E-08	5.03E-08	2.10E-08	2.31E-08	4.41E-08	2.54E-09	3.74E-09	6.28E-09	2.21E-09	2.31E-09	4.52E-09
448	567439.33	4217069.76	2.56E-08	2.77E-08	5.33E-08	2.22E-08	2.45E-08	4.67E-08	2.69E-09	3.97E-09	6.66E-09	2.34E-09	2.44E-09	4.78E-09
449	567431.51	4217079.98	2.70E-08	2.92E-08	5.62E-08	2.35E-08	2.58E-08	4.93E-08	2.84E-09	4.19E-09	7.02E-09	2.47E-09	2.58E-09	5.05E-09
450	567408.04	4217110.65	3.03E-08	3.27E-08	6.31E-08	2.63E-08	2.90E-08	5.53E-08	3.18E-09	4.70E-09	7.88E-09	2.77E-09	2.89E-09	5.66E-09
451	567400.22	4217120.87	3.10E-08	3.35E-08	6.45E-08	2.69E-08	2.96E-08	5.66E-08	3.25E-09	4.80E-09	8.06E-09	2.83E-09	2.96E-09	5.79E-09
452	567392.39	4217131.09	3.13E-08	3.38E-08	6.50E-08	2.71E-08	2.99E-08	5.70E-08	3.28E-09	4.84E-09	8.12E-09	2.86E-09	2.98E-09	5.84E-09
453	567384.57	4217141.32	3.11E-08	3.36E-08	6.47E-08	2.70E-08	2.97E-08	5.67E-08	3.27E-09	4.82E-09	8.08E-09	2.84E-09	2.97E-09	5.81E-09
454	567376.75	4217151.54	3.06E-08	3.30E-08	6.36E-08	2.66E-08	2.92E-08	5.58E-08	3.21E-09	4.74E-09	7.95E-09	2.80E-09	2.92E-09	5.71E-09
455	567361.1	4217171.98	2.85E-08	3.07E-08	5.92E-08	2.47E-08	2.72E-08	5.19E-08	2.99E-09	4.41E-09	7.40E-09	2.60E-09	2.71E-09	5.32E-09
456	567353.28	4217182.21	2.70E-08	2.91E-08	5.61E-08	2.34E-08	2.58E-08	4.92E-08	2.83E-09	4.18E-09	7.01E-09	2.46E-09	2.57E-09	5.04E-09
457	567345.45	4217192.43	2.53E-08	2.73E-08	5.25E-08	2.19E-08	2.41E-08	4.60E-08	2.65E-09	3.91E-09	6.56E-09	2.31E-09	2.41E-09	4.71E-09
458	567329.81	4217212.88	2.13E-08	2.30E-08	4.43E-08	1.85E-08	2.04E-08	3.88E-08	2.23E-09	3.30E-09	5.53E-09	1.95E-09	2.03E-09	3.98E-09
459	567321.98	4217223.1	1.92E-08	2.08E-08	4.00E-08	1.67E-08	1.84E-08	3.50E-08	2.02E-09	2.98E-09	4.99E-09	1.76E-09	1.83E-09	3.59E-09
460	567311.7	4217229.13	1.78E-08	1.92E-08	3.70E-08	1.54E-08	1.70E-08	3.24E-08	1.87E-09	2.76E-09	4.62E-09	1.63E-09	1.70E-09	3.32E-09
461	567298.96	4217230.98	1.69E-08	1.83E-08	3.52E-08	1.47E-08	1.62E-08	3.08E-08	1.77E-09	2.62E-09	4.39E-09	1.55E-09	1.61E-09	3.16E-09
462	567286.22	4217232.82	1.59E-08	1.72E-08	3.31E-08	1.38E-08	1.52E-08	2.91E-08	1.67E-09	2.47E-09	4.14E-09	1.46E-09	1.52E-09	2.97E-09
463	567273.48	4217234.67	1.49E-08	1.61E-08	3.09E-08	1.29E-08	1.42E-08	2.71E-08	1.56E-09	2.30E-09	3.86E-09	1.36E-09	1.42E-09	2.78E-09
464	567248	4217238.36	1.26E-08	1.36E-08	2.63E-08	1.10E-08	1.21E-08	2.30E-08	1.33E-09	1.96E-09	3.28E-09	1.15E-09	1.20E-09	2.36E-09
465	567235.26	4217240.2	1.15E-08	1.24E-08	2.40E-08	1.00E-08	1.10E-08	2.10E-08	1.21E-09	1.78E-09	2.99E-09	1.05E-09	1.10E-09	2.15E-09
466	567222.52	4217242.05	1.05E-08	1.13E-08	2.18E-08	9.09E-09	1.00E-08	1.91E-08	1.10E-09	1.62E-09	2.72E-09	9.57E-10	9.99E-10	1.96E-09
467	567209.78	4217243.89	9.50E-09	1.03E-08	1.98E-08	8.25E-09	9.08E-09	1.73E-08	9.97E-10	1.47E-09	2.47E-09	8.68E-10	9.06E-10	1.77E-09
468	567197.04	4217245.74	8.63E-09	9.32E-09	1.79E-08	7.49E-09	8.24E-09	1.57E-08	9.05E-10	1.34E-09	2.24E-09	7.88E-10	8.23E-10	1.61E-09
469	567171.57	4217249.43	7.24E-09	7.81E-09	1.50E-08	6.28E-09	6.91E-09	1.32E-08	7.59E-10	1.12E-09	1.88E-09	6.61E-10	6.90E-10	1.35E-09
470	567158.83	4217251.27	6.72E-09	7.25E-09	1.40E-08	5.83E-09	6.41E-09	1.22E-08	7.04E-10	1.04E-09	1.74E-09	6.13E-10	6.40E-10	1.25E-09
471	567146.09	4217253.12	6.30E-09	6.80E-09	1.31E-08	5.46E-09	6.02E-09	1.15E-08	6.61E-10	9.75E-10	1.64E-09	5.75E-10	6.00E-10	1.18E-09
472	567133.35	4217254.96	5.97E-09	6.45E-09	1.24E-08	5.18E-09	5.71E-09	1.09E-08	6.27E-10	9.25E-10	1.55E-09	5.46E-10	5.69E-10	1.12E-09
473	567120.61	4217256.81	5.73E-09	6.18E-09	1.19E-08	4.97E-09	5.47E-09	1.04E-08	6.01E-10	8.87E-10	1.49E-09	5.23E-10	5.46E-10	1.07E-09
474	567452.79	4217048.12	2.29E-08	2.47E-08	4.77E-08	1.99E-08	2.19E-08	4.18E-08	2.40E-09	3.55E-09	5.95E-09	2.09E-09	2.18E-09	4.28E-09
475	567456.78	4217062.19	2.29E-08	2.47E-08	4.77E-08	1.99E-08	2.19E-08	4.18E-08	2.40E-09	3.55E-09	5.95E-09	2.09E-09	2.18E-09	4.28E-09
476	567448.92	4217072.46	2.43E-08	2.62E-08	5.05E-08	2.11E-08	2.32E-08	4.43E-08	2.55E-09	3.76E-09	6.31E-09	2.22E-09	2.32E-09	4.53E-09
477	567441.06	4217082.74	2.56E-08	2.76E-08	5.31E-08	2.22E-08	2.44E-08	4.66E-08	2.68E-09	3.96E-09	6.64E-09	2.33E-09	2.44E-09	4.77E-09
478	567433.2	4217093.01	2.68E-08	2.89E-08	5.57E-08	2.32E-08	2.56E-08	4.88E-08	2.81E-09	4.15E-09	6.96E-09	2.45E-09	2.55E-09	5.00E-09
479	567401.75	4217134.1	2.97E-08	3.21E-08	6.18E-08	2.58E-08	2.84E-08	5.41E-08	3.12E-09	4.60E-09	7.71E-09	2.71E-09	2.83E-09	5.54E-09
480	567393.89	4217144.38	2.96E-08	3.20E-08	6.16E-08	2.57E-08	2.83E-08	5.40E-08	3.11E-09	4.59E-09	7.70E-09	2.71E-09	2.82E-09	5.53E-09
481	567386.03	4217154.65	2.92E-08	3.15E-08	6.07E-08	2.53E-08	2.79E-08	5.32E-08	3.06E-09	4.52E-09	7.59E-09	2.67E-09	2.78E-09	5.45E-09
482	567362.44	4217185.47	2.60E-08	2.81E-08	5.41E-08	2.26E-08	2.48E-08	4.74E-08	2.73E-09	4.02E-09	6.75E-09	2.38E-09	2.48E-09	4.85E-09
483	567354.58	4217195.74	2.44E-08	2.64E-08	5.08E-08	2.12E-08	2.33E-08	4.45E-08	2.56E-09	3.78E-09	6.34E-09	2.23E-09	2.33E-09	4.56E-09
484	567346.72	4217206.01	2.27E-08	2.45E-08	4.72E-08	1.97E-08	2.17E-08	4.13E-08	2.38E-09	3.51E-09	5.89E-09	2.07E-09	2.16E-09	4.23E-09
485	567331	4217226.56	1.89E-08	2.04E-08	3.92E-08	1.64E-08	1.80E-08	3.44E-08	1.98E-09	2.92E-09	4.90E-09	1.72E-09	1.80E-09	3.52E-09
486	567316.73	4217237.76	1.65E-08	1.79E-08	3.44E-08	1.44E-08	1.58E-08	3.01E-08	1.73E-09	2.56E-09	4.29E-09	1.51E-09	1.58E-09	3.09E-09
487	567303.93	4217239.62	1.57E-08	1.69E-08	3.26E-08	1.36E-08	1.50E-08	2.86E-08	1.65E-09	2.43E-09	4.08E-09	1.43E-09	1.50E-09	2.93E-09
488	567291.13	4217241.47	1.48E-08	1.60E-08	3.07E-08	1.28E-08	1.41E-08	2.69E-08	1.55E-09	2.29E-09	3.84E-09	1.35E-09	1.41E-09	2.76E-09
489	567278.33	4217243.32	1.38E-08	1.49E-08	2.87E-08	1.20E-08	1.32E-08	2.51E-08	1.45E-09	2.13E-09	3.58E-09	1.26E-09	1.31E-09	2.57E-09
490	567252.72	4217247.03	1.17E-08	1.27E-08	2.44E-08	1.02E-08	1.12E-08	2.14E-08	1.23E-09	1.81E-09	3.04E-09	1.07E-09	1.12E-09	2.19E-09
491	567239.92	4217248.89	1.07E-08	1.16E-08	2.23E-08	9.29E-09	1.02E-08	1.95E-08	1.12E-09	1.66E-09	2.78E-09	9.78E-10	1.02E-09	2.00E-09
492	567227.11	4217250.74	9.74E-09	1.05E-08	2.03E-08	8.45E-09	9.31E-09	1.78E-08	1.02E-09	1.51E-09	2.53E-09	8.90E-10	9.29E-10	1.82E-09
493	567214.31	4217252.59	8.86E-09	9.56E-09	1.84E-08	7.68E-09	8.46E-09	1.61E-08	9.29E-10	1.37E-09	2.30E-09	8.09E-10	8.44E-10	1.65E-09

494	567201.51	4217254.45	8.06E-09	8.70E-09	1.68E-08	6.99E-09	7.70E-09	1.47E-08	8.46E-10	1.25E-09	2.09E-09	7.36E-10	7.68E-10	1.50E-09
495	567175.9	4217258.16	6.79E-09	7.33E-09	1.41E-08	5.89E-09	6.48E-09	1.24E-08	7.12E-10	1.05E-09	1.76E-09	6.20E-10	6.47E-10	1.27E-09
496	567163.1	4217260.01	6.31E-09	6.81E-09	1.31E-08	5.47E-09	6.03E-09	1.15E-08	6.62E-10	9.77E-10	1.64E-09	5.76E-10	6.01E-10	1.18E-09
497	567150.3	4217261.87	5.93E-09	6.40E-09	1.23E-08	5.14E-09	5.66E-09	1.08E-08	6.21E-10	9.17E-10	1.54E-09	5.41E-10	5.65E-10	1.11E-09
498	567137.5	4217263.72	5.63E-09	6.07E-09	1.17E-08	4.88E-09	5.37E-09	1.03E-08	5.90E-10	8.71E-10	1.46E-09	5.14E-10	5.36E-10	1.05E-09
499	567124.69	4217265.57	5.40E-09	5.83E-09	1.12E-08	4.68E-09	5.16E-09	9.84E-09	5.66E-10	8.36E-10	1.40E-09	4.93E-10	5.15E-10	1.01E-09
500	567462.43	4217050.75	2.17E-08	2.35E-08	4.52E-08	1.89E-08	2.08E-08	3.96E-08	2.28E-09	3.37E-09	5.65E-09	1.99E-09	2.07E-09	4.06E-09
501	567466.41	4217064.85	2.17E-08	2.35E-08	4.52E-08	1.89E-08	2.08E-08	3.96E-08	2.28E-09	3.37E-09	5.65E-09	1.99E-09	2.07E-09	4.06E-09
502	567458.51	4217075.17	2.30E-08	2.49E-08	4.79E-08	2.00E-08	2.20E-08	4.20E-08	2.42E-09	3.57E-09	5.98E-09	2.10E-09	2.20E-09	4.30E-09
503	567450.62	4217085.49	2.43E-08	2.62E-08	5.05E-08	2.11E-08	2.32E-08	4.42E-08	2.55E-09	3.76E-09	6.30E-09	2.22E-09	2.31E-09	4.53E-09
504	567442.72	4217095.81	2.54E-08	2.74E-08	5.29E-08	2.21E-08	2.43E-08	4.63E-08	2.67E-09	3.93E-09	6.60E-09	2.32E-09	2.42E-09	4.75E-09
505	567434.82	4217106.13	2.65E-08	2.86E-08	5.50E-08	2.30E-08	2.53E-08	4.82E-08	2.78E-09	4.10E-09	6.87E-09	2.42E-09	2.52E-09	4.94E-09
506	567403.23	4217147.41	2.82E-08	3.05E-08	5.87E-08	2.45E-08	2.70E-08	5.15E-08	2.96E-09	4.37E-09	7.33E-09	2.58E-09	2.69E-09	5.27E-09
507	567395.33	4217157.73	2.79E-08	3.01E-08	5.80E-08	2.42E-08	2.66E-08	5.09E-08	2.93E-09	4.32E-09	7.24E-09	2.55E-09	2.66E-09	5.21E-09
508	567371.64	4217188.69	2.51E-08	2.71E-08	5.21E-08	2.17E-08	2.39E-08	4.57E-08	2.63E-09	3.88E-09	6.51E-09	2.29E-09	2.39E-09	4.68E-09
509	567363.74	4217199.02	2.36E-08	2.55E-08	4.92E-08	2.05E-08	2.26E-08	4.31E-08	2.48E-09	3.66E-09	6.14E-09	2.16E-09	2.25E-09	4.41E-09
510	567355.84	4217209.34	2.20E-08	2.38E-08	4.58E-08	1.91E-08	2.10E-08	4.02E-08	2.31E-09	3.41E-09	5.72E-09	2.01E-09	2.10E-09	4.11E-09
511	567347.94	4217219.66	2.03E-08	2.19E-08	4.22E-08	1.76E-08	1.94E-08	3.70E-08	2.13E-09	3.14E-09	5.27E-09	1.85E-09	1.93E-09	3.79E-09
512	567321.76	4217246.39	1.54E-08	1.66E-08	3.20E-08	1.34E-08	1.47E-08	2.81E-08	1.62E-09	2.38E-09	4.00E-09	1.41E-09	1.47E-09	2.87E-09
513	567308.9	4217248.25	1.46E-08	1.58E-08	3.04E-08	1.27E-08	1.39E-08	2.66E-08	1.53E-09	2.26E-09	3.79E-09	1.33E-09	1.39E-09	2.73E-09
514	567296.04	4217250.12	1.37E-08	1.48E-08	2.86E-08	1.19E-08	1.31E-08	2.50E-08	1.44E-09	2.13E-09	3.57E-09	1.25E-09	1.31E-09	2.56E-09
515	567283.18	4217251.98	1.28E-08	1.38E-08	2.66E-08	1.11E-08	1.22E-08	2.34E-08	1.34E-09	1.98E-09	3.33E-09	1.17E-09	1.22E-09	2.39E-09
516	567270.32	4217253.84	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.13E-08	2.16E-08	1.24E-09	1.84E-09	3.08E-09	1.08E-09	1.13E-09	2.21E-09
517	567244.59	4217257.57	9.97E-09	1.08E-08	2.07E-08	8.65E-09	9.52E-09	1.82E-08	1.05E-09	1.54E-09	2.59E-09	9.11E-10	9.50E-10	1.86E-09
518	567231.73	4217259.43	9.09E-09	9.81E-09	1.89E-08	7.88E-09	8.68E-09	1.66E-08	9.53E-10	1.41E-09	2.36E-09	8.30E-10	8.66E-10	1.70E-09
519	567218.87	4217261.29	8.28E-09	8.93E-09	1.72E-08	7.18E-09	7.90E-09	1.51E-08	8.68E-10	1.28E-09	2.15E-09	7.56E-10	7.89E-10	1.54E-09
520	567206.01	4217263.15	7.55E-09	8.15E-09	1.57E-08	6.55E-09	7.21E-09	1.38E-08	7.92E-10	1.17E-09	1.96E-09	6.90E-10	7.19E-10	1.41E-09
521	567193.15	4217265.02	6.92E-09	7.47E-09	1.44E-08	6.00E-09	6.61E-09	1.26E-08	7.25E-10	1.07E-09	1.80E-09	6.32E-10	6.59E-10	1.29E-09
522	567472.08	4217053.38	2.07E-08	2.23E-08	4.30E-08	1.79E-08	1.97E-08	3.77E-08	2.17E-09	3.20E-09	5.36E-09	1.89E-09	1.97E-09	3.86E-09
523	567208.74	4216964.73	2.79E-07	3.01E-07	5.80E-07	2.42E-07	2.66E-07	5.08E-07	2.92E-08	4.31E-08	7.24E-08	2.55E-08	2.66E-08	5.20E-08
524	567217.66	4216969.25	2.32E-07	2.51E-07	4.83E-07	2.02E-07	2.22E-07	4.24E-07	2.44E-08	3.60E-08	6.04E-08	2.12E-08	2.22E-08	4.34E-08
525	567226.58	4216973.77	1.98E-07	2.13E-07	4.11E-07	1.71E-07	1.89E-07	3.60E-07	2.07E-08	3.06E-08	5.13E-08	1.80E-08	1.88E-08	3.69E-08
526	567233.83	4216959.46	1.83E-07	1.98E-07	3.82E-07	1.59E-07	1.75E-07	3.34E-07	1.92E-08	2.84E-08	4.76E-08	1.68E-08	1.75E-08	3.42E-08
527	567235.51	4216978.29	1.70E-07	1.84E-07	3.54E-07	1.48E-07	1.63E-07	3.10E-07	1.79E-08	2.63E-08	4.42E-08	1.55E-08	1.62E-08	3.18E-08
528	567242.75	4216963.97	1.58E-07	1.70E-07	3.28E-07	1.37E-07	1.50E-07	2.87E-07	1.65E-08	2.44E-08	4.09E-08	1.44E-08	1.50E-08	2.94E-08
529	567248.05	4216975.65	1.43E-07	1.55E-07	2.98E-07	1.24E-07	1.37E-07	2.62E-07	1.50E-08	2.22E-08	3.73E-08	1.31E-08	1.37E-08	2.68E-08
530	567255.3	4216961.34	1.29E-07	1.39E-07	2.68E-07	1.12E-07	1.23E-07	2.35E-07	1.35E-08	2.00E-08	3.35E-08	1.18E-08	1.23E-08	2.41E-08
531	567256.97	4216980.17	1.26E-07	1.36E-07	2.62E-07	1.10E-07	1.21E-07	2.30E-07	1.32E-08	1.95E-08	3.28E-08	1.15E-08	1.20E-08	2.36E-08
532	567264.22	4216965.85	1.14E-07	1.23E-07	2.36E-07	9.86E-08	1.09E-07	2.07E-07	1.19E-08	1.76E-08	2.95E-08	1.04E-08	1.08E-08	2.12E-08
533	567265.89	4216984.68	1.12E-07	1.21E-07	2.33E-07	9.73E-08	1.07E-07	2.04E-07	1.18E-08	1.74E-08	2.91E-08	1.02E-08	1.07E-08	2.09E-08
534	567273.14	4216970.37	1.01E-07	1.09E-07	2.11E-07	8.78E-08	9.67E-08	1.85E-07	1.06E-08	1.57E-08	2.63E-08	9.25E-09	9.65E-09	1.89E-08
535	567274.81	4216989.2	1.00E-07	1.08E-07	2.09E-07	8.71E-08	9.59E-08	1.83E-07	1.05E-08	1.55E-08	2.61E-08	9.17E-09	9.56E-09	1.87E-08
536	567282.06	4216974.89	9.09E-08	9.81E-08	1.89E-07	7.88E-08	8.68E-08	1.66E-07	9.53E-09	1.41E-08	2.36E-08	8.30E-09	8.66E-09	1.70E-08
537	567287.36	4216986.56	8.65E-08	9.34E-08	1.80E-07	7.51E-08	8.26E-08	1.58E-07	9.07E-09	1.34E-08	2.25E-08	7.90E-09	8.25E-09	1.61E-08
538	567296.28	4216991.08	7.84E-08	8.47E-08	1.63E-07	6.80E-08	7.49E-08	1.43E-07	8.23E-09	1.21E-08	2.04E-08	7.16E-09	7.47E-09	1.46E-08
539	567344.51	4217006.52	4.90E-08	5.29E-08	1.02E-07	4.25E-08	4.68E-08	8.94E-08	5.14E-09	7.59E-09	1.27E-08	4.48E-09	4.67E-09	9.15E-09
540	567353.43	4217011.03	4.56E-08	4.92E-08	9.47E-08	3.95E-08	4.35E-08	8.31E-08	4.78E-09	7.05E-09	1.18E-08	4.16E-09	4.34E-09	8.51E-09
541	567451.29	4217105.55	2.42E-08	2.62E-08	5.04E-08	2.10E-08	2.31E-08	4.42E-08	2.54E-09	3.75E-09	6.29E-09	2.21E-09	2.31E-09	4.52E-09
542	567458.54	4217091.23	2.33E-08	2.51E-08	4.84E-08	2.02E-08	2.22E-08	4.24E-08	2.44E-09	3.60E-09	6.04E-09	2.13E-09	2.22E-09	4.35E-09
543	567229.97	4216946.94	1.98E-07	2.14E-07	4.13E-07	1.72E-07	1.90E-07	3.62E-07	2.08E-08	3.07E-08	5.15E-08	1.81E-08	1.89E-08	3.70E-08
544	567243.15	4216946.08	1.53E-07	1.66E-07	3.19E-07	1.33E-07	1.47E-07	2.80E-07	1.61E-08	2.37E-08	3.98E-08	1.40E-08	1.46E-08	2.86E-08
545	567251.12	4216952.11	1.36E-07	1.46E-07	2.82E-07	1.18E-07	1.30E-07	2.47E-07	1.42E-08	2.10E-08	3.52E-08	1.24E-08	1.29E-08	2.53E-08
546	567224.05	4216899.29	1.49E-07	1.60E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.86E-08	1.36E-08	1.42E-08	2.77E-08
547	567211.98	4216887.14	1.51E-07	1.63E-07	3.14E-07	1.31E-07	1.44E-07	2.76E-07	1.59E-08	2.34E-08	3.93E-08	1.38E-08	1.44E-08	2.82E-08
548	567188.26	4216870.6	1.56E-07	1.69E-07	3.25E-07	1.35E-07	1.49E-07	2.85E-07	1.64E-08	2.42E-08	4.05E-08	1.43E-08	1.49E-08	2.91E-08
549	567180.35	4216865.08	1.54E-07	1.66E-07	3.19E-07	1.33E-07	1.47E-07	2.80E-07	1.61E-08	2.38E-08	3.99E-08	1.40E-08	1.46E-08	2.87E-08
550	567172.45	4216859.57	1.49E-07	1.61E-07	3.10E-07	1.30E-07	1.43E-07	2.72E-07	1.57E-08	2.31E-08	3.88E-08	1.36E-08	1.42E-08	2.79E-08
551	567164.54	4216854.06	1.43E-07	1.55E-07	2.98E-07	1.24E-07	1.37E-07	2.62E-07	1.51E-08	2.22E-08	3.73E-08	1.31E-08	1.37E-08	2.68E-08
552	567156.63	4216848.54	1.36E-07	1.47E-07	2.82E-07	1.18E-07	1.30E-07	2.47E-07	1.42E-08	2.10E-08	3.53E-08	1.24E-08	1.29E-08	2.53E-08
553	567148.73	4216843.03	1.26E-07	1.36E-07	2.62E-07	1.09E-07	1.20E-07	2.30E-07	1.32E-08	1.95E-08	3.28E-08	1.15E-08	1.20E-08	2.35E-08
554	567140.82	4216837.51	1.15E-07	1.24E-07	2.39E-07	9.96E-08	1.10E-07	2.09E-07	1.20E-08	1.78E-08	2.98E-08	1.05E-08	1.09E-08	2.14E-08
555	567132.91	4216832	1.02E-07	1.11E-07	2.13E-07	8.88E-08	9.78E-08	1.87E-07	1.07E-08	1.58E-08	2.66E-08	9.35E-09	9.76E-09	1.91E-08
556	567125	4216826.48	8.95E-08	9.66E-08	1.86E-07	7.76E-08	8.55E-08	1.63E-07	9.38E-09	1.38E-08	2.32E-08	8.17E-09	8.53E-09	1.67E-08
557	567229.77	4216891.09	1.16E-07	1.26E-07	2.42E-07	1.01E-07	1.11E-07	2.12E-07	1.22E-08	1.80E-08	3.02E-08	1.06E-08	1.11E-08	2.17E-08
558	567236.18	4216911.95	1.37E-07	1.48E-07	2.86E-07	1.19E-07	1.31E-07	2.50E-07	1.44E-08	2.13E-08	3.57E-08	1.25E-08	1.31E-08	2.56E-08
559	567201.89	4216867.91	1.20E-07	1.30E-07	2.50E-07	1.04E-07	1.15E-07	2.19E-07	1.26E-08	1.86E-08	3.12E-08	1.10E-08	1.15E-08	2.24E-08
560	567193.98	4216862.4	1.19E-07	1.29E-07	2.48E-07	1.03E-07	1.14E-07	2.17E-07	1.25E-08	1.85E-08	3.10E-08	1.09E-08	1.14E-08	2.23E-08
561	567186.07	4216856.88	1.17E-07	1.26E-07	2.43E-07	1.01E-07	1.12E-07	2.13E-07	1.23E-08	1.81E-08	3.04E-08	1.07E-08	1.11E-08	2.18E-08
562	567178.17	4216851.37	1.13E-07	1.22E-07	2.36E-07	9.84E-08	1.08E-07	2.07E-07	1.19E-08	1.76E-08	2.94E-08	1.04E-08	1.08E-08	2.12E-08
563	567170.26	4216845.85	1.09E-07	1.17E-07	2.26E-07	9.43E-08	1.04E-07	1.98E-07	1.14E-08	1.68E-08	2.82E-08	9.93E-09	1.04E-08	2.03E-08
564	567162.35	4216840.34	1.03E-07	1.11E-07	2.14E-07	8.91E-08	9.81E-08	1.87E-07	1.08E-08	1.59E-08	2.67E-08	9.38E-09	9.79E-09	1.92E-08

565	567154.45	4216834.82	9.56E-08	1.03E-07	1.99E-07	8.29E-08	9.13E-08	1.74E-07	1.00E-08	1.48E-08	2.48E-08	8.73E-09	9.11E-09	1.78E-08
566	567146.54	4216829.31	8.77E-08	9.47E-08	1.82E-07	7.61E-08	8.38E-08	1.60E-07	9.20E-09	1.36E-08	2.28E-08	8.01E-09	8.36E-09	1.64E-08
567	567138.63	4216823.8	7.93E-08	8.56E-08	1.65E-07	6.88E-08	7.57E-08	1.44E-07	8.31E-09	1.23E-08	2.06E-08	7.24E-09	7.55E-09	1.48E-08
568	567114.91	4216807.25	5.54E-08	5.98E-08	1.15E-07	4.80E-08	5.29E-08	1.01E-07	5.81E-09	8.57E-09	1.44E-08	5.06E-09	5.28E-09	1.03E-08
569	567235.49	4216882.89	9.40E-08	1.01E-07	1.95E-07	8.15E-08	8.97E-08	1.71E-07	9.85E-09	1.45E-08	2.44E-08	8.58E-09	8.96E-09	1.75E-08
570	567243.8	4216896.15	9.83E-08	1.06E-07	2.04E-07	8.53E-08	9.39E-08	1.79E-07	1.03E-08	1.52E-08	2.55E-08	8.98E-09	9.37E-09	1.83E-08
571	567246.06	4216910.38	1.11E-07	1.20E-07	2.32E-07	9.66E-08	1.06E-07	2.03E-07	1.17E-08	1.72E-08	2.89E-08	1.02E-08	1.06E-08	2.08E-08
572	567215.52	4216865.22	9.51E-08	1.03E-07	1.98E-07	8.25E-08	9.08E-08	1.73E-07	9.98E-09	1.47E-08	2.47E-08	8.69E-09	9.07E-09	1.78E-08
573	567207.61	4216859.71	9.55E-08	1.03E-07	1.99E-07	8.29E-08	9.12E-08	1.74E-07	1.00E-08	1.48E-08	2.48E-08	8.73E-09	9.10E-09	1.78E-08
574	567199.7	4216854.19	9.45E-08	1.02E-07	1.97E-07	8.20E-08	9.03E-08	1.72E-07	9.92E-09	1.46E-08	2.45E-08	8.64E-09	9.01E-09	1.76E-08
575	567191.8	4216848.68	9.26E-08	9.99E-08	1.92E-07	8.03E-08	8.84E-08	1.69E-07	9.71E-09	1.43E-08	2.40E-08	8.46E-09	8.82E-09	1.73E-08
576	567183.89	4216843.16	8.96E-08	9.67E-08	1.86E-07	7.78E-08	8.56E-08	1.63E-07	9.40E-09	1.39E-08	2.33E-08	8.19E-09	8.54E-09	1.67E-08
577	567175.98	4216837.65	8.58E-08	9.26E-08	1.78E-07	7.44E-08	8.20E-08	1.56E-07	9.00E-09	1.33E-08	2.23E-08	7.84E-09	8.18E-09	1.60E-08
578	567168.07	4216832.14	8.12E-08	8.76E-08	1.69E-07	7.04E-08	7.76E-08	1.48E-07	8.52E-09	1.26E-08	2.11E-08	7.42E-09	7.74E-09	1.52E-08
579	567160.17	4216826.62	7.59E-08	8.19E-08	1.58E-07	6.59E-08	7.25E-08	1.38E-07	7.96E-09	1.18E-08	1.97E-08	6.93E-09	7.24E-09	1.42E-08
580	567152.26	4216821.11	7.01E-08	7.57E-08	1.46E-07	6.09E-08	6.70E-08	1.28E-07	7.36E-09	1.09E-08	1.82E-08	6.41E-09	6.69E-09	1.31E-08
581	567128.54	4216804.56	5.24E-08	5.66E-08	1.09E-07	4.55E-08	5.00E-08	9.55E-08	5.50E-09	8.11E-09	1.36E-08	4.79E-09	4.99E-09	9.78E-09
582	567120.63	4216799.05	4.71E-08	5.08E-08	9.80E-08	4.09E-08	4.50E-08	8.59E-08	4.94E-09	7.29E-09	1.22E-08	4.30E-09	4.49E-09	8.79E-09
583	567241.21	4216874.68	7.79E-08	8.41E-08	1.62E-07	6.76E-08	7.44E-08	1.42E-07	8.17E-09	1.21E-08	2.02E-08	7.12E-09	7.42E-09	1.45E-08
584	567249.52	4216887.95	8.18E-08	8.83E-08	1.70E-07	7.10E-08	7.81E-08	1.49E-07	8.58E-09	1.27E-08	2.12E-08	7.47E-09	7.80E-09	1.53E-08
585	567255.93	4216908.82	9.26E-08	9.99E-08	1.92E-07	8.03E-08	8.84E-08	1.69E-07	9.71E-09	1.43E-08	2.40E-08	8.46E-09	8.82E-09	1.73E-08
586	567252.14	4216924.01	1.14E-07	1.23E-07	2.37E-07	9.87E-08	1.09E-07	2.07E-07	1.19E-08	1.76E-08	2.95E-08	1.04E-08	1.08E-08	2.12E-08
587	567229.14	4216862.53	7.66E-08	8.27E-08	1.59E-07	6.65E-08	7.32E-08	1.40E-07	8.04E-09	1.19E-08	1.99E-08	7.00E-09	7.30E-09	1.43E-08
588	567221.24	4216857.02	7.76E-08	8.38E-08	1.61E-07	6.73E-08	7.41E-08	1.41E-07	8.14E-09	1.20E-08	2.02E-08	7.09E-09	7.40E-09	1.45E-08
589	567213.33	4216851.51	7.79E-08	8.41E-08	1.62E-07	6.76E-08	7.45E-08	1.42E-07	8.18E-09	1.21E-08	2.02E-08	7.12E-09	7.43E-09	1.45E-08
590	567205.42	4216845.99	7.71E-08	8.32E-08	1.60E-07	6.69E-08	7.37E-08	1.41E-07	8.09E-09	1.19E-08	2.00E-08	7.04E-09	7.35E-09	1.44E-08
591	567197.52	4216840.48	7.54E-08	8.14E-08	1.57E-07	6.54E-08	7.20E-08	1.37E-07	7.91E-09	1.17E-08	1.96E-08	6.89E-09	7.19E-09	1.41E-08
592	567189.61	4216834.96	7.30E-08	7.88E-08	1.52E-07	6.33E-08	6.97E-08	1.33E-07	7.66E-09	1.13E-08	1.90E-08	6.67E-09	6.96E-09	1.36E-08
593	567181.7	4216829.45	6.99E-08	7.55E-08	1.45E-07	6.07E-08	6.68E-08	1.28E-07	7.34E-09	1.08E-08	1.82E-08	6.39E-09	6.67E-09	1.31E-08
594	567173.79	4216823.93	6.63E-08	7.16E-08	1.38E-07	5.76E-08	6.34E-08	1.21E-07	6.96E-09	1.03E-08	1.72E-08	6.06E-09	6.32E-09	1.24E-08
595	567165.89	4216818.42	6.23E-08	6.73E-08	1.30E-07	5.41E-08	5.95E-08	1.14E-07	6.54E-09	9.64E-09	1.62E-08	5.69E-09	5.94E-09	1.16E-08
596	567142.17	4216801.88	4.91E-08	5.30E-08	1.02E-07	4.26E-08	4.69E-08	8.95E-08	5.15E-09	7.60E-09	1.28E-08	4.49E-09	4.68E-09	9.17E-09
597	567134.26	4216796.36	4.48E-08	4.83E-08	9.31E-08	3.89E-08	4.28E-08	8.16E-08	4.70E-09	6.93E-09	1.16E-08	4.09E-09	4.27E-09	8.36E-09
598	567126.35	4216790.85	4.08E-08	4.40E-08	8.48E-08	3.54E-08	3.89E-08	7.43E-08	4.28E-09	6.31E-09	1.06E-08	3.72E-09	3.89E-09	7.61E-09
599	567252.75	4216875.77	6.85E-08	7.39E-08	1.42E-07	5.94E-08	6.54E-08	1.25E-07	7.19E-09	1.06E-08	1.78E-08	6.26E-09	6.53E-09	1.28E-08
600	567257.73	4216883.73	7.01E-08	7.56E-08	1.46E-07	6.08E-08	6.69E-08	1.28E-07	7.35E-09	1.08E-08	1.82E-08	6.40E-09	6.68E-09	1.31E-08
601	567262.72	4216891.69	7.10E-08	7.66E-08	1.48E-07	6.16E-08	6.78E-08	1.29E-07	7.44E-09	1.10E-08	1.84E-08	6.48E-09	6.76E-09	1.32E-08
602	567265.43	4216908.77	7.99E-08	8.63E-08	1.66E-07	6.94E-08	7.64E-08	1.46E-07	8.38E-09	1.24E-08	2.08E-08	7.30E-09	7.62E-09	1.49E-08
603	567263.15	4216917.88	8.98E-08	9.69E-08	1.87E-07	7.79E-08	8.58E-08	1.64E-07	9.42E-09	1.39E-08	2.33E-08	8.20E-09	8.56E-09	1.68E-08
604	567260.88	4216927	1.00E-07	1.08E-07	2.09E-07	8.71E-08	9.59E-08	1.83E-07	1.05E-08	1.55E-08	2.61E-08	9.17E-09	9.57E-09	1.87E-08
605	567242.77	4216859.85	6.35E-08	6.86E-08	1.32E-07	5.51E-08	6.07E-08	1.16E-07	6.66E-09	9.83E-09	1.65E-08	5.80E-09	6.06E-09	1.19E-08
606	567234.86	4216854.33	6.42E-08	6.94E-08	1.34E-07	5.57E-08	6.14E-08	1.17E-07	6.74E-09	9.94E-09	1.67E-08	5.87E-09	6.12E-09	1.20E-08
607	567226.96	4216848.82	6.48E-08	6.99E-08	1.35E-07	5.62E-08	6.19E-08	1.18E-07	6.79E-09	1.00E-08	1.68E-08	5.92E-09	6.17E-09	1.21E-08
608	567219.05	4216843.3	6.50E-08	7.01E-08	1.35E-07	5.64E-08	6.21E-08	1.18E-07	6.81E-09	1.01E-08	1.69E-08	5.93E-09	6.19E-09	1.21E-08
609	567211.14	4216837.79	6.43E-08	6.95E-08	1.34E-07	5.58E-08	6.15E-08	1.17E-07	6.75E-09	9.96E-09	1.67E-08	5.88E-09	6.13E-09	1.20E-08
610	567203.24	4216832.27	6.29E-08	6.79E-08	1.31E-07	5.46E-08	6.01E-08	1.15E-07	6.60E-09	9.73E-09	1.63E-08	5.74E-09	5.99E-09	1.17E-08
611	567195.33	4216826.76	6.09E-08	6.57E-08	1.27E-07	5.28E-08	5.82E-08	1.11E-07	6.39E-09	9.42E-09	1.58E-08	5.56E-09	5.80E-09	1.14E-08
612	567187.42	4216821.25	5.84E-08	6.31E-08	1.22E-07	5.07E-08	5.58E-08	1.07E-07	6.13E-09	9.04E-09	1.52E-08	5.34E-09	5.57E-09	1.09E-08
613	567179.51	4216815.73	5.56E-08	6.00E-08	1.16E-07	4.82E-08	5.31E-08	1.01E-07	5.83E-09	8.60E-09	1.44E-08	5.08E-09	5.30E-09	1.04E-08
614	567171.61	4216810.22	5.25E-08	5.66E-08	1.09E-07	4.55E-08	5.01E-08	9.56E-08	5.50E-09	8.12E-09	1.36E-08	4.79E-09	5.00E-09	9.79E-09
615	567147.89	4216793.67	4.23E-08	4.56E-08	8.79E-08	3.67E-08	4.04E-08	7.70E-08	4.43E-09	6.54E-09	1.10E-08	3.86E-09	4.03E-09	7.89E-09
616	567139.98	4216788.16	3.89E-08	4.20E-08	8.09E-08	3.38E-08	3.72E-08	7.09E-08	4.08E-09	6.02E-09	1.01E-08	3.55E-09	3.71E-09	7.26E-09
617	567132.07	4216782.65	3.57E-08	3.86E-08	7.43E-08	3.10E-08	3.41E-08	6.51E-08	3.75E-09	5.53E-09	9.28E-09	3.26E-09	3.41E-09	6.67E-09
618	567263.04	4216874.86	6.02E-08	6.50E-08	1.25E-07	5.23E-08	5.75E-08	1.10E-07	6.32E-09	9.33E-09	1.56E-08	5.50E-09	5.74E-09	1.12E-08
619	567272.74	4216890.35	6.17E-08	6.66E-08	1.28E-07	5.36E-08	5.90E-08	1.13E-07	6.48E-09	9.56E-09	1.60E-08	5.64E-09	5.88E-09	1.15E-08
620	567275.37	4216906.95	6.87E-08	7.42E-08	1.43E-07	5.96E-08	6.56E-08	1.25E-07	7.21E-09	1.06E-08	1.78E-08	6.28E-09	6.55E-09	1.28E-08
621	567273.16	4216915.81	7.61E-08	8.22E-08	1.58E-07	6.60E-08	7.27E-08	1.39E-07	7.98E-09	1.18E-08	1.98E-08	6.95E-09	7.26E-09	1.42E-08
622	567268.73	4216933.53	9.29E-08	1.00E-07	1.93E-07	8.06E-08	8.88E-08	1.69E-07	9.75E-09	1.44E-08	2.41E-08	8.49E-09	8.86E-09	1.73E-08
623	567248.49	4216851.64	5.45E-08	5.89E-08	1.13E-07	4.73E-08	5.21E-08	9.94E-08	5.72E-09	8.44E-09	1.42E-08	4.98E-09	5.20E-09	1.02E-08
624	567240.58	4216846.13	5.50E-08	5.93E-08	1.14E-07	4.77E-08	5.25E-08	1.00E-07	5.77E-09	8.51E-09	1.43E-08	5.02E-09	5.24E-09	1.03E-08
625	567232.68	4216840.61	5.52E-08	5.96E-08	1.15E-07	4.79E-08	5.28E-08	1.01E-07	5.79E-09	8.55E-09	1.43E-08	5.04E-09	5.26E-09	1.03E-08
626	567224.77	4216835.1	5.54E-08	5.98E-08	1.15E-07	4.80E-08	5.29E-08	1.01E-07	5.81E-09	8.57E-09	1.44E-08	5.06E-09	5.28E-09	1.03E-08
627	567216.86	4216829.59	5.47E-08	5.90E-08	1.14E-07	4.74E-08	5.22E-08	9.97E-08	5.73E-09	8.46E-09	1.42E-08	4.99E-09	5.21E-09	1.02E-08
628	567208.96	4216824.07	5.34E-08	5.77E-08	1.11E-07	4.63E-08	5.10E-08	9.74E-08	5.60E-09	8.27E-09	1.39E-08	4.88E-09	5.09E-09	9.97E-09
629	567201.05	4216818.56	5.18E-08	5.59E-08	1.08E-07	4.49E-08	4.94E-08	9.43E-08	5.43E-09	8.01E-09	1.34E-08	4.73E-09	4.93E-09	9.66E-09
630	567193.14	4216813.04	4.98E-08	5.37E-08	1.03E-07	4.32E-08	4.75E-08	9.07E-08	5.22E-09	7.70E-09	1.29E-08	4.54E-09	4.74E-09	9.29E-09
631	567185.23	4216807.53	4.75E-08	5.13E-08	9.87E-08	4.12E-08	4.54E-08	8.65E-08	4.98E-09	7.35E-09	1.23E-08	4.34E-09	4.53E-09	8.86E-09
632	567161.51	4216790.99	3.96E-08	4.28E-08	8.24E-08	3.44E-08	3.79E-08	7.23E-08	4.16E-09	6.14E-09	1.03E-08	3.62E-09	3.78E-09	7.40E-09
633	567153.61	4216785.47	3.69E-08	3.98E-08	7.67E-08	3.20E-08	3.52E-08	6.73E-08	3.87E-09	5.71E-09	9.58E-09	3.37E-09	3.52E-09	6.89E-09
634	567145.7	4216779.96	3.42E-08	3.69E-08	7.11E-08	2.97E-08	3.27E-08	6.23E-08	3.59E-09	5.29E-09	8.88E-09	3.12E-09	3.26E-09	6.38E-09
635	567137.79	4216774.44	3.16E-08	3.42E-08	6.58E-08	2.75E-08	3.02E-08	5.77E-08	3.32E-09	4.90E-09	8.22E-09	2.89E-09	3.02E-09	5.91E-09

636	567258.96	4216851.02	4.92E-08	5.31E-08	1.02E-07	4.27E-08	4.70E-08	8.97E-08	5.16E-09	7.62E-09	1.28E-08	4.50E-09	4.69E-09	9.19E-09
637	567273.21	4216873.77	5.31E-08	5.73E-08	1.10E-07	4.61E-08	5.07E-08	9.68E-08	5.57E-09	8.22E-09	1.38E-08	4.85E-09	5.06E-09	9.91E-09
638	567282.71	4216888.94	5.43E-08	5.86E-08	1.13E-07	4.71E-08	5.18E-08	9.89E-08	5.69E-09	8.40E-09	1.41E-08	4.96E-09	5.17E-09	1.01E-08
639	567285.29	4216905.2	5.98E-08	6.46E-08	1.24E-07	5.19E-08	5.72E-08	1.09E-07	6.28E-09	9.26E-09	1.55E-08	5.47E-09	5.70E-09	1.12E-08
640	567283.12	4216913.88	6.56E-08	7.08E-08	1.36E-07	5.69E-08	6.27E-08	1.20E-07	6.88E-09	1.02E-08	1.70E-08	5.99E-09	6.25E-09	1.22E-08
641	567278.79	4216931.24	7.87E-08	8.50E-08	1.64E-07	6.83E-08	7.52E-08	1.44E-07	8.26E-09	1.22E-08	2.04E-08	7.19E-09	7.51E-09	1.47E-08
642	567246.3	4216837.93	4.78E-08	5.16E-08	9.94E-08	4.15E-08	4.57E-08	8.71E-08	5.01E-09	7.40E-09	1.24E-08	4.37E-09	4.56E-09	8.92E-09
643	567238.4	4216832.41	4.79E-08	5.17E-08	9.96E-08	4.16E-08	4.58E-08	8.73E-08	5.03E-09	7.42E-09	1.24E-08	4.38E-09	4.57E-09	8.94E-09
644	567230.49	4216826.9	4.79E-08	5.17E-08	9.95E-08	4.15E-08	4.57E-08	8.72E-08	5.02E-09	7.41E-09	1.24E-08	4.37E-09	4.56E-09	8.93E-09
645	567222.58	4216821.38	4.71E-08	5.09E-08	9.80E-08	4.09E-08	4.50E-08	8.59E-08	4.94E-09	7.30E-09	1.22E-08	4.31E-09	4.49E-09	8.80E-09
646	567214.68	4216815.87	4.61E-08	4.97E-08	9.58E-08	4.00E-08	4.40E-08	8.39E-08	4.83E-09	7.13E-09	1.20E-08	4.21E-09	4.39E-09	8.60E-09
647	567206.77	4216810.36	4.47E-08	4.82E-08	9.29E-08	3.88E-08	4.27E-08	8.14E-08	4.69E-09	6.91E-09	1.16E-08	4.08E-09	4.26E-09	8.34E-09
648	567198.86	4216804.84	4.30E-08	4.64E-08	8.94E-08	3.73E-08	4.11E-08	7.84E-08	4.51E-09	6.66E-09	1.12E-08	3.93E-09	4.10E-09	8.03E-09
649	567175.14	4216788.3	3.70E-08	4.00E-08	7.70E-08	3.21E-08	3.54E-08	6.75E-08	3.88E-09	5.73E-09	9.62E-09	3.38E-09	3.53E-09	6.91E-09
650	567167.23	4216782.78	3.48E-08	3.76E-08	7.24E-08	3.02E-08	3.32E-08	6.34E-08	3.65E-09	5.39E-09	9.04E-09	3.18E-09	3.32E-09	6.50E-09
651	567159.33	4216777.27	3.26E-08	3.51E-08	6.77E-08	2.83E-08	3.11E-08	5.94E-08	3.42E-09	5.04E-09	8.46E-09	2.97E-09	3.10E-09	6.08E-09
652	567151.42	4216771.76	3.04E-08	3.28E-08	6.31E-08	2.63E-08	2.90E-08	5.54E-08	3.19E-09	4.70E-09	7.89E-09	2.77E-09	2.89E-09	5.67E-09
653	567143.51	4216766.24	2.83E-08	3.05E-08	5.88E-08	2.45E-08	2.70E-08	5.15E-08	2.97E-09	4.38E-09	7.34E-09	2.58E-09	2.69E-09	5.28E-09
654	567264.61	4216842.7	4.32E-08	4.66E-08	8.98E-08	3.75E-08	4.12E-08	7.87E-08	4.53E-09	6.68E-09	1.12E-08	3.94E-09	4.12E-09	8.06E-09
655	567283.31	4216872.56	4.72E-08	5.09E-08	9.81E-08	4.09E-08	4.51E-08	8.60E-08	4.95E-09	7.30E-09	1.23E-08	4.31E-09	4.50E-09	8.81E-09
656	567292.66	4216887.49	4.81E-08	5.19E-08	1.00E-07	4.17E-08	4.59E-08	8.76E-08	5.04E-09	7.44E-09	1.25E-08	4.39E-09	4.58E-09	8.98E-09
657	567295.2	4216903.5	5.26E-08	5.68E-08	1.09E-07	4.57E-08	5.03E-08	9.60E-08	5.52E-09	8.15E-09	1.37E-08	4.81E-09	5.02E-09	9.83E-09
658	567290.93	4216920.59	6.23E-08	6.72E-08	1.29E-07	5.40E-08	5.95E-08	1.14E-07	6.53E-09	9.64E-09	1.62E-08	5.69E-09	5.94E-09	1.16E-08
659	567252.02	4216829.72	4.19E-08	4.53E-08	8.72E-08	3.64E-08	4.01E-08	7.64E-08	4.40E-09	6.49E-09	1.09E-08	3.83E-09	4.00E-09	7.83E-09
660	567244.12	4216824.21	4.20E-08	4.53E-08	8.73E-08	3.64E-08	4.01E-08	7.65E-08	4.40E-09	6.50E-09	1.09E-08	3.84E-09	4.00E-09	7.84E-09
661	567236.21	4216818.7	4.18E-08	4.51E-08	8.69E-08	3.63E-08	3.99E-08	7.62E-08	4.38E-09	6.47E-09	1.09E-08	3.82E-09	3.98E-09	7.80E-09
662	567228.3	4216813.18	4.11E-08	4.44E-08	8.56E-08	3.57E-08	3.93E-08	7.50E-08	4.32E-09	6.37E-09	1.07E-08	3.76E-09	3.92E-09	7.68E-09
663	567220.4	4216807.67	4.02E-08	4.34E-08	8.36E-08	3.49E-08	3.84E-08	7.33E-08	4.22E-09	6.23E-09	1.04E-08	3.67E-09	3.83E-09	7.51E-09
664	567212.49	4216802.15	3.90E-08	4.21E-08	8.12E-08	3.39E-08	3.73E-08	7.12E-08	4.10E-09	6.04E-09	1.01E-08	3.57E-09	3.72E-09	7.29E-09
665	567188.77	4216785.61	3.44E-08	3.72E-08	7.16E-08	2.99E-08	3.29E-08	6.28E-08	3.61E-09	5.33E-09	8.94E-09	3.15E-09	3.28E-09	6.43E-09
666	567180.86	4216780.1	3.27E-08	3.53E-08	6.80E-08	2.84E-08	3.12E-08	5.96E-08	3.43E-09	5.06E-09	8.49E-09	2.99E-09	3.12E-09	6.10E-09
667	567172.95	4216774.58	3.09E-08	3.33E-08	6.42E-08	2.68E-08	2.95E-08	5.63E-08	3.24E-09	4.78E-09	8.02E-09	2.82E-09	2.94E-09	5.76E-09
668	567165.05	4216769.07	2.90E-08	3.13E-08	6.04E-08	2.52E-08	2.77E-08	5.29E-08	3.04E-09	4.49E-09	7.54E-09	2.65E-09	2.77E-09	5.42E-09
669	567157.14	4216763.55	2.72E-08	2.94E-08	5.66E-08	2.36E-08	2.60E-08	4.96E-08	2.85E-09	4.21E-09	7.07E-09	2.49E-09	2.59E-09	5.08E-09
670	567149.23	4216758.04	2.55E-08	2.75E-08	5.30E-08	2.21E-08	2.43E-08	4.64E-08	2.67E-09	3.94E-09	6.62E-09	2.33E-09	2.43E-09	4.76E-09
671	567270.27	4216834.41	3.81E-08	4.12E-08	7.93E-08	3.31E-08	3.64E-08	6.95E-08	4.00E-09	5.90E-09	9.90E-09	3.48E-09	3.64E-09	7.12E-09
672	567279.51	4216849.15	4.02E-08	4.34E-08	8.36E-08	3.49E-08	3.84E-08	7.33E-08	4.22E-09	6.22E-09	1.04E-08	3.67E-09	3.83E-09	7.50E-09
673	567288.74	4216863.9	4.17E-08	4.50E-08	8.67E-08	3.62E-08	3.98E-08	7.60E-08	4.37E-09	6.46E-09	1.08E-08	3.81E-09	3.98E-09	7.79E-09
674	567297.98	4216878.64	4.26E-08	4.60E-08	8.86E-08	3.70E-08	4.07E-08	7.77E-08	4.47E-09	6.60E-09	1.11E-08	3.89E-09	4.06E-09	7.96E-09
675	567305.11	4216901.82	4.65E-08	5.02E-08	9.68E-08	4.04E-08	4.45E-08	8.48E-08	4.88E-09	7.20E-09	1.21E-08	4.25E-09	4.44E-09	8.69E-09
676	567300.89	4216918.7	5.45E-08	5.88E-08	1.13E-07	4.73E-08	5.21E-08	9.93E-08	5.72E-09	8.44E-09	1.42E-08	4.98E-09	5.19E-09	1.02E-08
677	567257.74	4216821.52	3.71E-08	4.00E-08	7.71E-08	3.22E-08	3.54E-08	6.76E-08	3.89E-09	5.74E-09	9.63E-09	3.39E-09	3.53E-09	6.92E-09
678	567249.84	4216816.01	3.71E-08	4.00E-08	7.71E-08	3.22E-08	3.54E-08	6.76E-08	3.89E-09	5.74E-09	9.63E-09	3.39E-09	3.53E-09	6.92E-09
679	567241.93	4216810.49	3.69E-08	3.98E-08	7.67E-08	3.20E-08	3.52E-08	6.72E-08	3.87E-09	5.71E-09	9.57E-09	3.37E-09	3.51E-09	6.88E-09
680	567234.02	4216804.98	3.63E-08	3.92E-08	7.55E-08	3.15E-08	3.47E-08	6.62E-08	3.81E-09	5.62E-09	9.42E-09	3.32E-09	3.46E-09	6.77E-09
681	567226.12	4216799.46	3.55E-08	3.83E-08	7.38E-08	3.08E-08	3.39E-08	6.47E-08	3.72E-09	5.49E-09	9.22E-09	3.24E-09	3.38E-09	6.63E-09
682	567202.39	4216782.92	3.20E-08	3.45E-08	6.65E-08	2.78E-08	3.06E-08	5.83E-08	3.35E-09	4.95E-09	8.31E-09	2.92E-09	3.05E-09	5.97E-09
683	567194.49	4216777.41	3.06E-08	3.30E-08	6.36E-08	2.66E-08	2.92E-08	5.58E-08	3.21E-09	4.74E-09	7.95E-09	2.80E-09	2.92E-09	5.71E-09
684	567186.58	4216771.89	2.91E-08	3.15E-08	6.06E-08	2.53E-08	2.78E-08	5.31E-08	3.06E-09	4.51E-09	7.57E-09	2.66E-09	2.78E-09	5.44E-09
685	567178.67	4216766.38	2.76E-08	2.98E-08	5.74E-08	2.40E-08	2.64E-08	5.04E-08	2.90E-09	4.28E-09	7.17E-09	2.52E-09	2.63E-09	5.16E-09
686	567170.77	4216760.86	2.61E-08	2.82E-08	5.43E-08	2.26E-08	2.49E-08	4.76E-08	2.74E-09	4.04E-09	6.77E-09	2.38E-09	2.49E-09	4.87E-09
687	567162.86	4216755.35	2.46E-08	2.65E-08	5.11E-08	2.13E-08	2.35E-08	4.48E-08	2.58E-09	3.80E-09	6.38E-09	2.25E-09	2.34E-09	4.59E-09
688	567154.95	4216749.84	2.31E-08	2.50E-08	4.81E-08	2.01E-08	2.21E-08	4.22E-08	2.43E-09	3.58E-09	6.01E-09	2.11E-09	2.21E-09	4.32E-09
689	567276.45	4216826.94	3.41E-08	3.68E-08	7.09E-08	2.96E-08	3.26E-08	6.22E-08	3.58E-09	5.28E-09	8.85E-09	3.11E-09	3.25E-09	6.36E-09
690	567281.53	4216835.05	3.51E-08	3.79E-08	7.31E-08	3.05E-08	3.36E-08	6.41E-08	3.69E-09	5.44E-09	9.13E-09	3.21E-09	3.35E-09	6.56E-09
691	567286.61	4216843.16	3.61E-08	3.89E-08	7.50E-08	3.13E-08	3.44E-08	6.57E-08	3.78E-09	5.58E-09	9.36E-09	3.29E-09	3.44E-09	6.73E-09
692	567296.77	4216859.38	3.75E-08	4.04E-08	7.79E-08	3.25E-08	3.58E-08	6.83E-08	3.93E-09	5.80E-09	9.73E-09	3.42E-09	3.57E-09	6.99E-09
693	567301.85	4216867.49	3.79E-08	4.09E-08	7.89E-08	3.29E-08	3.62E-08	6.91E-08	3.98E-09	5.87E-09	9.85E-09	3.47E-09	3.62E-09	7.08E-09
694	567306.93	4216875.6	3.83E-08	4.13E-08	7.96E-08	3.32E-08	3.66E-08	6.98E-08	4.01E-09	5.92E-09	9.94E-09	3.50E-09	3.65E-09	7.14E-09
695	567312.01	4216883.71	3.85E-08	4.15E-08	8.00E-08	3.34E-08	3.68E-08	7.01E-08	4.04E-09	5.96E-09	9.99E-09	3.52E-09	3.67E-09	7.18E-09
696	567314.77	4216901.1	4.18E-08	4.52E-08	8.70E-08	3.63E-08	4.00E-08	7.63E-08	4.39E-09	6.48E-09	1.09E-08	3.82E-09	3.99E-09	7.81E-09
697	567312.45	4216910.38	4.54E-08	4.90E-08	9.45E-08	3.94E-08	4.34E-08	8.28E-08	4.77E-09	7.03E-09	1.18E-08	4.15E-09	4.33E-09	8.48E-09
698	567310.13	4216919.66	4.93E-08	5.33E-08	1.03E-07	4.28E-08	4.71E-08	8.99E-08	5.18E-09	7.64E-09	1.28E-08	4.51E-09	4.70E-09	9.21E-09
699	567303.18	4216947.52	6.28E-08	6.78E-08	1.31E-07	5.45E-08	6.00E-08	1.14E-07	6.59E-09	9.72E-09	1.63E-08	5.74E-09	5.99E-09	1.17E-08
700	567271.37	4216818.83	3.29E-08	3.56E-08	6.85E-08	2.86E-08	3.15E-08	6.00E-08	3.45E-09	5.10E-09	8.55E-09	3.01E-09	3.14E-09	6.15E-09
701	567263.46	4216813.32	3.30E-08	3.56E-08	6.87E-08	2.87E-08	3.15E-08	6.02E-08	3.46E-09	5.11E-09	8.58E-09	3.02E-09	3.15E-09	6.16E-09
702	567255.56	4216807.81	3.30E-08	3.56E-08	6.85E-08	2.86E-08	3.15E-08	6.01E-08	3.46E-09	5.10E-09	8.56E-09	3.01E-09	3.14E-09	6.15E-09
703	567247.65	4216802.29	3.27E-08	3.53E-08	6.80E-08	2.84E-08	3.12E-08	5.96E-08	3.43E-09	5.06E-09	8.50E-09	2.99E-09	3.12E-09	6.11E-09
704	567239.74	4216796.78	3.23E-08	3.49E-08	6.72E-08	2.80E-08	3.08E-08	5.89E-08	3.39E-09	5.00E-09	8.39E-09	2.95E-09	3.08E-09	6.03E-09
705	567216.02	4216780.23	2.97E-08	3.21E-08	6.18E-08	2.58E-08	2.84E-08	5.42E-08	3.12E-09	4.60E-09	7.72E-09	2.72E-09	2.83E-09	5.55E-09
706	567208.11	4216774.72	2.86E-08	3.09E-08	5.95E-08	2.48E-08	2.73E-08	5.22E-08	3.00E-09	4.43E-09	7.43E-09	2.61E-09	2.73E-09	5.34E-09

707	567200.21	4216769.21	2.74E-08	2.96E-08	5.71E-08	2.38E-08	2.62E-08	5.00E-08	2.88E-09	4.25E-09	7.13E-09	2.51E-09	2.62E-09	5.12E-09
708	567192.3	4216763.69	2.62E-08	2.83E-08	5.45E-08	2.27E-08	2.50E-08	4.78E-08	2.75E-09	4.06E-09	6.80E-09	2.39E-09	2.50E-09	4.89E-09
709	567184.39	4216758.18	2.49E-08	2.69E-08	5.18E-08	2.16E-08	2.38E-08	4.54E-08	2.61E-09	3.86E-09	6.47E-09	2.28E-09	2.38E-09	4.65E-09
710	567176.49	4216752.66	2.36E-08	2.55E-08	4.91E-08	2.05E-08	2.26E-08	4.31E-08	2.48E-09	3.66E-09	6.13E-09	2.16E-09	2.25E-09	4.41E-09
711	567168.58	4216747.15	2.23E-08	2.41E-08	4.65E-08	1.94E-08	2.13E-08	4.07E-08	2.34E-09	3.46E-09	5.80E-09	2.04E-09	2.13E-09	4.17E-09
712	567160.67	4216741.63	2.11E-08	2.28E-08	4.39E-08	1.83E-08	2.02E-08	3.85E-08	2.22E-09	3.27E-09	5.48E-09	1.93E-09	2.01E-09	3.94E-09
713	567282.08	4216818.59	3.06E-08	3.30E-08	6.36E-08	2.65E-08	2.92E-08	5.58E-08	3.21E-09	4.74E-09	7.95E-09	2.79E-09	2.92E-09	5.71E-09
714	567287.07	4216826.55	3.15E-08	3.40E-08	6.55E-08	2.73E-08	3.01E-08	5.74E-08	3.31E-09	4.88E-09	8.18E-09	2.88E-09	3.00E-09	5.88E-09
715	567292.05	4216834.52	3.23E-08	3.49E-08	6.72E-08	2.80E-08	3.09E-08	5.89E-08	3.39E-09	5.00E-09	8.39E-09	2.95E-09	3.08E-09	6.03E-09
716	567297.04	4216842.48	3.30E-08	3.56E-08	6.87E-08	2.87E-08	3.15E-08	6.02E-08	3.46E-09	5.11E-09	8.58E-09	3.02E-09	3.15E-09	6.16E-09
717	567307.02	4216858.4	3.41E-08	3.68E-08	7.08E-08	2.95E-08	3.25E-08	6.21E-08	3.57E-09	5.27E-09	8.84E-09	3.11E-09	3.25E-09	6.36E-09
718	567312	4216866.36	3.44E-08	3.71E-08	7.15E-08	2.98E-08	3.29E-08	6.27E-08	3.61E-09	5.32E-09	8.93E-09	3.14E-09	3.28E-09	6.42E-09
719	567316.99	4216874.32	3.46E-08	3.74E-08	7.20E-08	3.00E-08	3.31E-08	6.31E-08	3.63E-09	5.36E-09	8.99E-09	3.16E-09	3.30E-09	6.46E-09
720	567321.98	4216882.29	3.48E-08	3.75E-08	7.23E-08	3.02E-08	3.32E-08	6.34E-08	3.65E-09	5.38E-09	9.03E-09	3.18E-09	3.31E-09	6.49E-09
721	567324.69	4216899.36	3.75E-08	4.05E-08	7.80E-08	3.25E-08	3.58E-08	6.84E-08	3.93E-09	5.81E-09	9.74E-09	3.43E-09	3.58E-09	7.00E-09
722	567322.41	4216908.48	4.05E-08	4.37E-08	8.42E-08	3.51E-08	3.87E-08	7.38E-08	4.25E-09	6.27E-09	1.05E-08	3.70E-09	3.86E-09	7.56E-09
723	567320.14	4216917.59	4.38E-08	4.72E-08	9.10E-08	3.80E-08	4.18E-08	7.97E-08	4.59E-09	6.77E-09	1.14E-08	4.00E-09	4.17E-09	8.17E-09
724	567313.31	4216944.93	5.50E-08	5.94E-08	1.14E-07	4.77E-08	5.25E-08	1.00E-07	5.77E-09	8.51E-09	1.43E-08	5.02E-09	5.24E-09	1.03E-08
725	567311.03	4216954.05	5.90E-08	6.37E-08	1.23E-07	5.12E-08	5.64E-08	1.08E-07	6.19E-09	9.14E-09	1.53E-08	5.39E-09	5.63E-09	1.10E-08
726	567277.09	4216810.63	2.96E-08	3.19E-08	6.15E-08	2.57E-08	2.83E-08	5.39E-08	3.10E-09	4.58E-09	7.68E-09	2.70E-09	2.82E-09	5.52E-09
727	567269.19	4216805.12	2.96E-08	3.20E-08	6.16E-08	2.57E-08	2.83E-08	5.40E-08	3.11E-09	4.58E-09	7.69E-09	2.71E-09	2.82E-09	5.53E-09
728	567261.28	4216799.6	2.95E-08	3.19E-08	6.14E-08	2.56E-08	2.82E-08	5.38E-08	3.10E-09	4.57E-09	7.66E-09	2.70E-09	2.81E-09	5.51E-09
729	567253.37	4216794.09	2.93E-08	3.16E-08	6.09E-08	2.54E-08	2.80E-08	5.34E-08	3.07E-09	4.53E-09	7.60E-09	2.67E-09	2.79E-09	5.46E-09
730	567245.46	4216788.57	2.89E-08	3.12E-08	6.01E-08	2.51E-08	2.76E-08	5.27E-08	3.03E-09	4.47E-09	7.51E-09	2.64E-09	2.75E-09	5.40E-09
731	567221.74	4216772.03	2.68E-08	2.89E-08	5.56E-08	2.32E-08	2.56E-08	4.88E-08	2.81E-09	4.14E-09	6.95E-09	2.44E-09	2.55E-09	4.99E-09
732	567213.84	4216766.52	2.58E-08	2.79E-08	5.37E-08	2.24E-08	2.46E-08	4.70E-08	2.71E-09	3.99E-09	6.70E-09	2.36E-09	2.46E-09	4.82E-09
733	567205.93	4216761	2.48E-08	2.68E-08	5.15E-08	2.15E-08	2.37E-08	4.52E-08	2.60E-09	3.84E-09	6.44E-09	2.26E-09	2.36E-09	4.63E-09
734	567198.02	4216755.49	2.37E-08	2.56E-08	4.93E-08	2.06E-08	2.27E-08	4.32E-08	2.49E-09	3.67E-09	6.16E-09	2.17E-09	2.26E-09	4.43E-09
735	567190.11	4216749.97	2.26E-08	2.44E-08	4.70E-08	1.96E-08	2.16E-08	4.12E-08	2.37E-09	3.50E-09	5.87E-09	2.07E-09	2.16E-09	4.22E-09
736	567182.21	4216744.46	2.15E-08	2.32E-08	4.47E-08	1.87E-08	2.06E-08	3.92E-08	2.26E-09	3.33E-09	5.59E-09	1.97E-09	2.05E-09	4.02E-09
737	567174.3	4216738.95	2.04E-08	2.20E-08	4.25E-08	1.77E-08	1.95E-08	3.72E-08	2.14E-09	3.16E-09	5.30E-09	1.87E-09	1.95E-09	3.81E-09
738	567166.39	4216733.43	1.94E-08	2.09E-08	4.03E-08	1.68E-08	1.85E-08	3.53E-08	2.03E-09	3.00E-09	5.03E-09	1.77E-09	1.85E-09	3.62E-09
739	567287.72	4216810.27	2.76E-08	2.98E-08	5.75E-08	2.40E-08	2.64E-08	5.04E-08	2.90E-09	4.28E-09	7.18E-09	2.52E-09	2.63E-09	5.16E-09
740	567297.55	4216825.95	2.92E-08	3.15E-08	6.06E-08	2.53E-08	2.79E-08	5.32E-08	3.06E-09	4.51E-09	7.57E-09	2.66E-09	2.78E-09	5.44E-09
741	567302.46	4216833.79	2.98E-08	3.22E-08	6.20E-08	2.59E-08	2.85E-08	5.43E-08	3.13E-09	4.61E-09	7.74E-09	2.72E-09	2.84E-09	5.56E-09
742	567317.2	4216857.32	3.11E-08	3.36E-08	6.47E-08	2.70E-08	2.97E-08	5.67E-08	3.26E-09	4.81E-09	8.08E-09	2.84E-09	2.96E-09	5.80E-09
743	567327.02	4216873	3.15E-08	3.40E-08	6.55E-08	2.73E-08	3.01E-08	5.74E-08	3.30E-09	4.88E-09	8.18E-09	2.88E-09	3.00E-09	5.88E-09
744	567331.93	4216880.84	3.16E-08	3.41E-08	6.57E-08	2.74E-08	3.02E-08	5.76E-08	3.31E-09	4.89E-09	8.20E-09	2.89E-09	3.01E-09	5.90E-09
745	567334.6	4216897.66	3.39E-08	3.66E-08	7.04E-08	2.94E-08	3.23E-08	6.17E-08	3.55E-09	5.24E-09	8.79E-09	3.09E-09	3.23E-09	6.32E-09
746	567332.36	4216906.63	3.63E-08	3.92E-08	7.56E-08	3.15E-08	3.47E-08	6.62E-08	3.81E-09	5.62E-09	9.44E-09	3.32E-09	3.46E-09	6.78E-09
747	567330.12	4216915.61	3.91E-08	4.22E-08	8.12E-08	3.39E-08	3.73E-08	7.12E-08	4.10E-09	6.05E-09	1.01E-08	3.57E-09	3.72E-09	7.29E-09
748	567323.39	4216942.54	4.86E-08	5.24E-08	1.01E-07	4.21E-08	4.64E-08	8.85E-08	5.10E-09	7.52E-09	1.26E-08	4.44E-09	4.63E-09	9.07E-09
749	567321.15	4216951.51	5.20E-08	5.61E-08	1.08E-07	4.51E-08	4.96E-08	9.47E-08	5.45E-09	8.05E-09	1.35E-08	4.75E-09	4.95E-09	9.70E-09
750	567282.81	4216802.43	2.68E-08	2.89E-08	5.56E-08	2.32E-08	2.56E-08	4.88E-08	2.81E-09	4.14E-09	6.95E-09	2.44E-09	2.55E-09	4.99E-09
751	567274.91	4216796.91	2.67E-08	2.89E-08	5.56E-08	2.32E-08	2.55E-08	4.87E-08	2.80E-09	4.14E-09	6.94E-09	2.44E-09	2.55E-09	4.99E-09
752	567267	4216791.4	2.66E-08	2.87E-08	5.53E-08	2.31E-08	2.54E-08	4.85E-08	2.79E-09	4.12E-09	6.91E-09	2.43E-09	2.54E-09	4.97E-09
753	567259.09	4216785.89	2.64E-08	2.85E-08	5.49E-08	2.29E-08	2.52E-08	4.81E-08	2.77E-09	4.08E-09	6.85E-09	2.41E-09	2.51E-09	4.92E-09
754	567235.37	4216769.34	2.50E-08	2.69E-08	5.19E-08	2.17E-08	2.38E-08	4.55E-08	2.62E-09	3.86E-09	6.48E-09	2.28E-09	2.38E-09	4.66E-09
755	567227.46	4216763.83	2.42E-08	2.61E-08	5.04E-08	2.10E-08	2.31E-08	4.41E-08	2.54E-09	3.75E-09	6.29E-09	2.21E-09	2.31E-09	4.52E-09
756	567219.56	4216758.31	2.34E-08	2.53E-08	4.87E-08	2.03E-08	2.23E-08	4.26E-08	2.45E-09	3.62E-09	6.08E-09	2.14E-09	2.23E-09	4.37E-09
757	567211.65	4216752.8	2.25E-08	2.43E-08	4.68E-08	1.95E-08	2.15E-08	4.11E-08	2.36E-09	3.49E-09	5.85E-09	2.06E-09	2.15E-09	4.20E-09
758	567203.74	4216747.29	2.16E-08	2.33E-08	4.49E-08	1.87E-08	2.06E-08	3.94E-08	2.27E-09	3.34E-09	5.61E-09	1.97E-09	2.06E-09	4.03E-09
759	567195.83	4216741.77	2.07E-08	2.23E-08	4.30E-08	1.79E-08	1.97E-08	3.77E-08	2.17E-09	3.20E-09	5.36E-09	1.89E-09	1.97E-09	3.86E-09
760	567187.93	4216736.26	1.97E-08	2.13E-08	4.10E-08	1.71E-08	1.88E-08	3.59E-08	2.07E-09	3.05E-09	5.12E-09	1.80E-09	1.88E-09	3.68E-09
761	567180.02	4216730.74	1.88E-08	2.03E-08	3.90E-08	1.63E-08	1.79E-08	3.42E-08	1.97E-09	2.90E-09	4.87E-09	1.71E-09	1.79E-09	3.50E-09
762	567172.11	4216725.23	1.79E-08	1.93E-08	3.71E-08	1.55E-08	1.71E-08	3.25E-08	1.87E-09	2.76E-09	4.64E-09	1.63E-09	1.70E-09	3.33E-09
763	567293.38	4216801.97	2.51E-08	2.71E-08	5.22E-08	2.18E-08	2.40E-08	4.58E-08	2.63E-09	3.89E-09	6.52E-09	2.29E-09	2.39E-09	4.69E-09
764	567303.08	4216817.45	2.65E-08	2.86E-08	5.50E-08	2.30E-08	2.53E-08	4.82E-08	2.78E-09	4.10E-09	6.87E-09	2.42E-09	2.52E-09	4.94E-09
765	567312.78	4216832.93	2.75E-08	2.97E-08	5.72E-08	2.39E-08	2.63E-08	5.02E-08	2.89E-09	4.26E-09	7.15E-09	2.51E-09	2.62E-09	5.14E-09
766	567332.17	4216863.89	2.87E-08	3.10E-08	5.96E-08	2.49E-08	2.74E-08	5.23E-08	3.01E-09	4.44E-09	7.45E-09	2.62E-09	2.73E-09	5.35E-09
767	567341.87	4216879.37	2.88E-08	3.11E-08	6.00E-08	2.50E-08	2.75E-08	5.26E-08	3.02E-09	4.46E-09	7.49E-09	2.63E-09	2.75E-09	5.38E-09
768	567344.51	4216895.97	3.07E-08	3.32E-08	6.39E-08	2.67E-08	2.94E-08	5.60E-08	3.22E-09	4.76E-09	7.98E-09	2.81E-09	2.93E-09	5.74E-09
769	567342.29	4216904.83	3.28E-08	3.54E-08	6.82E-08	2.85E-08	3.13E-08	5.98E-08	3.44E-09	5.08E-09	8.52E-09	3.00E-09	3.13E-09	6.13E-09
770	567333.44	4216940.28	4.32E-08	4.66E-08	8.97E-08	3.74E-08	4.12E-08	7.87E-08	4.53E-09	6.68E-09	1.12E-08	3.94E-09	4.11E-09	8.05E-09
771	567329.01	4216958	4.91E-08	5.30E-08	1.02E-07	4.26E-08	4.69E-08	8.96E-08	5.15E-09	7.60E-09	1.28E-08	4.49E-09	4.68E-09	9.17E-09
772	567288.53	4216794.23	2.43E-08	2.63E-08	5.06E-08	2.11E-08	2.32E-08	4.43E-08	2.55E-09	3.77E-09	6.32E-09	2.22E-09	2.32E-09	4.54E-09
773	567280.63	4216788.71	2.43E-08	2.62E-08	5.05E-08	2.11E-08	2.32E-08	4.43E-08	2.55E-09	3.76E-09	6.31E-09	2.22E-09	2.31E-09	4.53E-09
774	567272.72	4216783.2	2.42E-08	2.61E-08	5.02E-08	2.10E-08	2.31E-08	4.40E-08	2.53E-09	3.74E-09	6.27E-09	2.21E-09	2.30E-09	4.51E-09
775	567249	4216766.65	2.33E-08	2.51E-08	4.84E-08	2.02E-08	2.22E-08	4.24E-08	2.44E-09	3.60E-09	6.04E-09	2.12E-09	2.22E-09	4.34E-09
776	567241.09	4216761.14	2.27E-08	2.45E-08	4.72E-08	1.97E-08	2.17E-08	4.14E-08	2.38E-09	3.51E-09	5.89E-09	2.07E-09	2.16E-09	4.24E-09
777	567233.18	4216755.63	2.20E-08	2.38E-08	4.58E-08	1.91E-08	2.11E-08	4.02E-08	2.31E-09	3.41E-09	5.72E-09	2.01E-09	2.10E-09	4.11E-09

778	567225.28	4216750.11	2.13E-08	2.30E-08	4.44E-08	1.85E-08	2.04E-08	3.89E-08	2.24E-09	3.30E-09	5.54E-09	1.95E-09	2.03E-09	3.98E-09
779	567217.37	4216744.6	2.06E-08	2.22E-08	4.28E-08	1.78E-08	1.96E-08	3.75E-08	2.16E-09	3.18E-09	5.34E-09	1.88E-09	1.96E-09	3.84E-09
780	567209.46	4216739.08	1.98E-08	2.13E-08	4.11E-08	1.72E-08	1.89E-08	3.60E-08	2.07E-09	3.06E-09	5.13E-09	1.81E-09	1.88E-09	3.69E-09
781	567201.55	4216733.57	1.90E-08	2.05E-08	3.94E-08	1.64E-08	1.81E-08	3.46E-08	1.99E-09	2.93E-09	4.92E-09	1.73E-09	1.81E-09	3.54E-09
782	567193.65	4216728.05	1.81E-08	1.96E-08	3.77E-08	1.57E-08	1.73E-08	3.30E-08	1.90E-09	2.81E-09	4.71E-09	1.66E-09	1.73E-09	3.38E-09
783	567185.74	4216722.54	1.73E-08	1.87E-08	3.60E-08	1.50E-08	1.65E-08	3.16E-08	1.82E-09	2.68E-09	4.50E-09	1.58E-09	1.65E-09	3.23E-09
784	567177.83	4216717.03	1.65E-08	1.79E-08	3.44E-08	1.43E-08	1.58E-08	3.01E-08	1.73E-09	2.56E-09	4.29E-09	1.51E-09	1.58E-09	3.09E-09
785	567299.05	4216793.68	2.29E-08	2.47E-08	4.76E-08	1.99E-08	2.19E-08	4.17E-08	2.40E-09	3.54E-09	5.95E-09	2.09E-09	2.18E-09	4.27E-09
786	567303.84	4216801.33	2.35E-08	2.54E-08	4.89E-08	2.04E-08	2.25E-08	4.29E-08	2.47E-09	3.64E-09	6.11E-09	2.15E-09	2.24E-09	4.39E-09
787	567313.44	4216816.65	2.47E-08	2.66E-08	5.13E-08	2.14E-08	2.36E-08	4.50E-08	2.59E-09	3.82E-09	6.40E-09	2.25E-09	2.35E-09	4.60E-09
788	567318.23	4216824.3	2.51E-08	2.71E-08	5.22E-08	2.18E-08	2.40E-08	4.58E-08	2.63E-09	3.89E-09	6.52E-09	2.29E-09	2.39E-09	4.69E-09
789	567342.21	4216862.58	2.64E-08	2.85E-08	5.48E-08	2.29E-08	2.52E-08	4.80E-08	2.76E-09	4.08E-09	6.84E-09	2.41E-09	2.51E-09	4.92E-09
790	567351.8	4216877.89	2.64E-08	2.85E-08	5.50E-08	2.29E-08	2.53E-08	4.82E-08	2.77E-09	4.09E-09	6.87E-09	2.42E-09	2.52E-09	4.94E-09
791	567354.41	4216894.31	2.80E-08	3.03E-08	5.83E-08	2.43E-08	2.68E-08	5.11E-08	2.94E-09	4.34E-09	7.28E-09	2.56E-09	2.67E-09	5.23E-09
792	567350.03	4216911.84	3.17E-08	3.43E-08	6.60E-08	2.75E-08	3.03E-08	5.79E-08	3.33E-09	4.91E-09	8.24E-09	2.90E-09	3.03E-09	5.93E-09
793	567341.27	4216946.89	4.11E-08	4.44E-08	8.56E-08	3.57E-08	3.93E-08	7.50E-08	4.32E-09	6.37E-09	1.07E-08	3.76E-09	3.92E-09	7.68E-09
794	567336.89	4216964.42	4.65E-08	5.02E-08	9.67E-08	4.03E-08	4.44E-08	8.48E-08	4.88E-09	7.20E-09	1.21E-08	4.25E-09	4.43E-09	8.68E-09
795	567286.35	4216780.51	2.22E-08	2.39E-08	4.61E-08	1.92E-08	2.12E-08	4.04E-08	2.33E-09	3.43E-09	5.76E-09	2.03E-09	2.11E-09	4.14E-09
796	567262.62	4216763.97	2.15E-08	2.32E-08	4.47E-08	1.87E-08	2.06E-08	3.92E-08	2.26E-09	3.33E-09	5.59E-09	1.97E-09	2.05E-09	4.02E-09
797	567254.72	4216758.45	2.12E-08	2.29E-08	4.41E-08	1.84E-08	2.03E-08	3.86E-08	2.22E-09	3.28E-09	5.51E-09	1.94E-09	2.02E-09	3.96E-09
798	567246.81	4216752.94	2.07E-08	2.24E-08	4.31E-08	1.80E-08	1.98E-08	3.78E-08	2.18E-09	3.21E-09	5.39E-09	1.90E-09	1.98E-09	3.87E-09
799	567238.9	4216747.42	2.02E-08	2.18E-08	4.19E-08	1.75E-08	1.93E-08	3.68E-08	2.12E-09	3.12E-09	5.24E-09	1.84E-09	1.92E-09	3.77E-09
800	567231	4216741.91	1.95E-08	2.11E-08	4.06E-08	1.70E-08	1.87E-08	3.56E-08	2.05E-09	3.02E-09	5.07E-09	1.79E-09	1.86E-09	3.65E-09
801	567223.09	4216736.4	1.89E-08	2.04E-08	3.93E-08	1.64E-08	1.80E-08	3.44E-08	1.98E-09	2.92E-09	4.90E-09	1.72E-09	1.80E-09	3.52E-09
802	567215.18	4216730.88	1.82E-08	1.96E-08	3.78E-08	1.58E-08	1.74E-08	3.31E-08	1.91E-09	2.81E-09	4.72E-09	1.66E-09	1.73E-09	3.39E-09
803	567207.27	4216725.37	1.75E-08	1.89E-08	3.63E-08	1.52E-08	1.67E-08	3.19E-08	1.83E-09	2.70E-09	4.54E-09	1.60E-09	1.67E-09	3.26E-09
804	567199.37	4216719.85	1.68E-08	1.81E-08	3.49E-08	1.45E-08	1.60E-08	3.06E-08	1.76E-09	2.60E-09	4.35E-09	1.53E-09	1.60E-09	3.13E-09
805	567191.46	4216714.34	1.61E-08	1.73E-08	3.34E-08	1.39E-08	1.53E-08	2.93E-08	1.68E-09	2.49E-09	4.17E-09	1.47E-09	1.53E-09	3.00E-09
806	567305.09	4216785.99	2.10E-08	2.27E-08	4.37E-08	1.82E-08	2.01E-08	3.83E-08	2.20E-09	3.25E-09	5.46E-09	1.92E-09	2.00E-09	3.92E-09
807	567310.2	4216794.15	2.16E-08	2.33E-08	4.49E-08	1.88E-08	2.06E-08	3.94E-08	2.27E-09	3.35E-09	5.61E-09	1.97E-09	2.06E-09	4.03E-09
808	567315.32	4216802.32	2.22E-08	2.39E-08	4.61E-08	1.92E-08	2.12E-08	4.04E-08	2.33E-09	3.43E-09	5.76E-09	2.03E-09	2.11E-09	4.14E-09
809	567320.43	4216810.48	2.27E-08	2.45E-08	4.72E-08	1.97E-08	2.17E-08	4.14E-08	2.38E-09	3.51E-09	5.90E-09	2.07E-09	2.16E-09	4.24E-09
810	567325.55	4216818.65	2.32E-08	2.50E-08	4.82E-08	2.01E-08	2.21E-08	4.22E-08	2.43E-09	3.59E-09	6.01E-09	2.12E-09	2.21E-09	4.32E-09
811	567330.66	4216826.82	2.35E-08	2.54E-08	4.89E-08	2.04E-08	2.25E-08	4.29E-08	2.47E-09	3.64E-09	6.11E-09	2.15E-09	2.24E-09	4.39E-09
812	567335.78	4216834.98	2.38E-08	2.57E-08	4.95E-08	2.07E-08	2.27E-08	4.34E-08	2.50E-09	3.69E-09	6.18E-09	2.18E-09	2.27E-09	4.44E-09
813	567346.01	4216851.31	2.42E-08	2.61E-08	5.03E-08	2.10E-08	2.31E-08	4.41E-08	2.54E-09	3.74E-09	6.28E-09	2.21E-09	2.31E-09	4.52E-09
814	567351.13	4216859.48	2.43E-08	2.62E-08	5.05E-08	2.11E-08	2.32E-08	4.43E-08	2.55E-09	3.76E-09	6.31E-09	2.22E-09	2.32E-09	4.53E-09
815	567361.8	4216902.67	2.75E-08	2.96E-08	5.71E-08	2.38E-08	2.62E-08	5.01E-08	2.88E-09	4.25E-09	7.13E-09	2.51E-09	2.62E-09	5.13E-09
816	567354.8	4216930.72	3.34E-08	3.60E-08	6.94E-08	2.90E-08	3.19E-08	6.09E-08	3.50E-09	5.17E-09	8.67E-09	3.05E-09	3.18E-09	6.23E-09
817	567352.46	4216940.07	3.57E-08	3.85E-08	7.43E-08	3.10E-08	3.41E-08	6.51E-08	3.75E-09	5.53E-09	9.27E-09	3.26E-09	3.40E-09	6.67E-09
818	567350.13	4216949.41	3.82E-08	4.12E-08	7.94E-08	3.31E-08	3.65E-08	6.96E-08	4.00E-09	5.91E-09	9.91E-09	3.49E-09	3.64E-09	7.12E-09
819	567347.79	4216958.76	4.07E-08	4.40E-08	8.47E-08	3.53E-08	3.89E-08	7.42E-08	4.27E-09	6.30E-09	1.06E-08	3.72E-09	3.88E-09	7.60E-09
820	567345.46	4216968.11	4.33E-08	4.68E-08	9.01E-08	3.76E-08	4.14E-08	7.90E-08	4.54E-09	6.71E-09	1.13E-08	3.96E-09	4.13E-09	8.09E-09
821	567299.97	4216777.82	2.04E-08	2.20E-08	4.24E-08	1.77E-08	1.95E-08	3.72E-08	2.14E-09	3.16E-09	5.29E-09	1.86E-09	1.94E-09	3.81E-09
822	567276.25	4216761.28	2.00E-08	2.16E-08	4.16E-08	1.73E-08	1.91E-08	3.64E-08	2.10E-09	3.09E-09	5.19E-09	1.83E-09	1.90E-09	3.73E-09
823	567268.34	4216755.76	1.97E-08	2.13E-08	4.10E-08	1.71E-08	1.88E-08	3.59E-08	2.07E-09	3.05E-09	5.12E-09	1.80E-09	1.88E-09	3.68E-09
824	567260.44	4216750.25	1.94E-08	2.10E-08	4.04E-08	1.69E-08	1.86E-08	3.54E-08	2.04E-09	3.01E-09	5.04E-09	1.77E-09	1.85E-09	3.63E-09
825	567252.53	4216744.74	1.91E-08	2.06E-08	3.96E-08	1.65E-08	1.82E-08	3.47E-08	2.00E-09	2.95E-09	4.95E-09	1.74E-09	1.82E-09	3.56E-09
826	567244.62	4216739.22	1.85E-08	2.00E-08	3.86E-08	1.61E-08	1.77E-08	3.38E-08	1.95E-09	2.87E-09	4.82E-09	1.69E-09	1.77E-09	3.46E-09
827	567236.72	4216733.71	1.80E-08	1.94E-08	3.74E-08	1.56E-08	1.72E-08	3.28E-08	1.89E-09	2.78E-09	4.67E-09	1.64E-09	1.71E-09	3.36E-09
828	567228.81	4216728.19	1.74E-08	1.88E-08	3.62E-08	1.51E-08	1.66E-08	3.17E-08	1.83E-09	2.69E-09	4.52E-09	1.59E-09	1.66E-09	3.25E-09
829	567220.9	4216722.68	1.68E-08	1.81E-08	3.49E-08	1.46E-08	1.60E-08	3.06E-08	1.76E-09	2.60E-09	4.36E-09	1.53E-09	1.60E-09	3.13E-09
830	567212.99	4216717.16	1.62E-08	1.75E-08	3.36E-08	1.40E-08	1.55E-08	2.95E-08	1.70E-09	2.50E-09	4.20E-09	1.48E-09	1.54E-09	3.02E-09
831	567205.09	4216711.65	1.56E-08	1.68E-08	3.24E-08	1.35E-08	1.49E-08	2.84E-08	1.63E-09	2.41E-09	4.04E-09	1.42E-09	1.48E-09	2.90E-09
832	567310.74	4216777.68	1.93E-08	2.09E-08	4.02E-08	1.68E-08	1.85E-08	3.53E-08	2.03E-09	2.99E-09	5.02E-09	1.77E-09	1.84E-09	3.61E-09
833	567315.79	4216785.73	1.99E-08	2.14E-08	4.13E-08	1.72E-08	1.90E-08	3.62E-08	2.08E-09	3.07E-09	5.16E-09	1.81E-09	1.89E-09	3.71E-09
834	567320.83	4216793.79	2.04E-08	2.20E-08	4.23E-08	1.77E-08	1.95E-08	3.71E-08	2.14E-09	3.15E-09	5.29E-09	1.86E-09	1.94E-09	3.80E-09
835	567325.88	4216801.84	2.08E-08	2.25E-08	4.33E-08	1.81E-08	1.99E-08	3.80E-08	2.19E-09	3.23E-09	5.41E-09	1.90E-09	1.99E-09	3.89E-09
836	567330.93	4216809.9	2.13E-08	2.30E-08	4.43E-08	1.85E-08	2.03E-08	3.88E-08	2.23E-09	3.29E-09	5.53E-09	1.94E-09	2.03E-09	3.97E-09
837	567335.97	4216817.96	2.16E-08	2.34E-08	4.50E-08	1.88E-08	2.07E-08	3.95E-08	2.27E-09	3.35E-09	5.62E-09	1.98E-09	2.06E-09	4.04E-09
838	567371.3	4216874.35	2.25E-08	2.43E-08	4.67E-08	1.95E-08	2.15E-08	4.10E-08	2.36E-09	3.48E-09	5.84E-09	2.05E-09	2.14E-09	4.20E-09
839	567364.83	4216928.52	3.03E-08	3.27E-08	6.29E-08	2.63E-08	2.89E-08	5.52E-08	3.18E-09	4.69E-09	7.86E-09	2.77E-09	2.89E-09	5.65E-09
840	567362.52	4216937.75	3.23E-08	3.48E-08	6.71E-08	2.80E-08	3.08E-08	5.88E-08	3.38E-09	4.99E-09	8.38E-09	2.95E-09	3.07E-09	6.02E-09
841	567360.22	4216946.97	3.43E-08	3.71E-08	7.14E-08	2.98E-08	3.28E-08	6.26E-08	3.60E-09	5.32E-09	8.92E-09	3.14E-09	3.27E-09	6.41E-09
842	567357.92	4216956.19	3.66E-08	3.95E-08	7.60E-08	3.17E-08	3.49E-08	6.66E-08	3.83E-09	5.66E-09	9.49E-09	3.34E-09	3.48E-09	6.82E-09
843	567355.61	4216965.42	3.89E-08	4.20E-08	8.08E-08	3.37E-08	3.71E-08	7.08E-08	4.08E-09	6.02E-09	1.01E-08	3.55E-09	3.70E-09	7.25E-09
844	567289.88	4216758.59	1.86E-08	2.01E-08	3.87E-08	1.61E-08	1.78E-08	3.39E-08	1.95E-09	2.88E-09	4.83E-09	1.70E-09	1.77E-09	3.47E-09
845	567281.97	4216753.08	1.84E-08	1.99E-08	3.83E-08	1.60E-08	1.76E-08	3.35E-08	1.93E-09	2.85E-09	4.78E-09	1.68E-09	1.75E-09	3.43E-09
846	567274.06	4216747.56	1.82E-08	1.96E-08	3.78E-08	1.58E-08	1.73E-08	3.31E-08	1.90E-09	2.81E-09	4.72E-09	1.66E-09	1.73E-09	3.39E-09
847	567266.16	4216742.05	1.79E-08	1.93E-08	3.72E-08	1.55E-08	1.71E-08	3.26E-08	1.88E-09	2.77E-09	4.65E-09	1.63E-09	1.71E-09	3.34E-09
848	567258.25	4216736.53	1.76E-08	1.90E-08	3.65E-08	1.52E-08	1.68E-08	3.20E-08	1.84E-09	2.72E-09	4.56E-09	1.60E-09	1.67E-09	3.28E-09

849	567250.34	4216731.02	1.71E-08	1.85E-08	3.56E-08	1.49E-08	1.64E-08	3.12E-08	1.80E-09	2.65E-09	4.45E-09	1.56E-09	1.63E-09	3.20E-09
850	567242.44	4216725.5	1.66E-08	1.79E-08	3.46E-08	1.44E-08	1.59E-08	3.03E-08	1.74E-09	2.57E-09	4.32E-09	1.52E-09	1.58E-09	3.10E-09
851	567234.53	4216719.99	1.61E-08	1.74E-08	3.35E-08	1.40E-08	1.54E-08	2.94E-08	1.69E-09	2.49E-09	4.18E-09	1.47E-09	1.53E-09	3.01E-09
852	567226.62	4216714.48	1.56E-08	1.68E-08	3.24E-08	1.35E-08	1.49E-08	2.84E-08	1.63E-09	2.41E-09	4.04E-09	1.42E-09	1.48E-09	2.91E-09
853	567218.71	4216708.96	1.50E-08	1.62E-08	3.12E-08	1.30E-08	1.44E-08	2.74E-08	1.58E-09	2.33E-09	3.90E-09	1.37E-09	1.43E-09	2.80E-09
854	567316.4	4216769.38	1.79E-08	1.93E-08	3.72E-08	1.55E-08	1.71E-08	3.26E-08	1.88E-09	2.77E-09	4.65E-09	1.63E-09	1.71E-09	3.34E-09
855	567321.39	4216777.34	1.84E-08	1.98E-08	3.82E-08	1.59E-08	1.75E-08	3.35E-08	1.92E-09	2.84E-09	4.77E-09	1.68E-09	1.75E-09	3.43E-09
856	567326.38	4216785.3	1.88E-08	2.03E-08	3.91E-08	1.63E-08	1.79E-08	3.42E-08	1.97E-09	2.91E-09	4.88E-09	1.72E-09	1.79E-09	3.51E-09
857	567366.27	4216848.99	2.08E-08	2.24E-08	4.32E-08	1.80E-08	1.99E-08	3.79E-08	2.18E-09	3.22E-09	5.40E-09	1.90E-09	1.98E-09	3.88E-09
858	567371.26	4216856.96	2.08E-08	2.25E-08	4.33E-08	1.81E-08	1.99E-08	3.79E-08	2.18E-09	3.22E-09	5.40E-09	1.90E-09	1.98E-09	3.88E-09
859	567376.25	4216864.92	2.08E-08	2.25E-08	4.33E-08	1.81E-08	1.99E-08	3.79E-08	2.18E-09	3.22E-09	5.40E-09	1.90E-09	1.98E-09	3.88E-09
860	567381.24	4216872.88	2.08E-08	2.25E-08	4.33E-08	1.80E-08	1.99E-08	3.79E-08	2.18E-09	3.22E-09	5.40E-09	1.90E-09	1.98E-09	3.88E-09
861	567383.95	4216889.95	2.19E-08	2.36E-08	4.55E-08	1.90E-08	2.09E-08	3.99E-08	2.29E-09	3.39E-09	5.68E-09	2.00E-09	2.08E-09	4.08E-09
862	567381.67	4216899.07	2.31E-08	2.49E-08	4.80E-08	2.00E-08	2.21E-08	4.21E-08	2.42E-09	3.57E-09	6.00E-09	2.11E-09	2.20E-09	4.31E-09
863	567374.84	4216926.41	2.76E-08	2.98E-08	5.73E-08	2.39E-08	2.63E-08	5.03E-08	2.89E-09	4.27E-09	7.16E-09	2.52E-09	2.63E-09	5.15E-09
864	567372.56	4216935.53	2.93E-08	3.16E-08	6.10E-08	2.54E-08	2.80E-08	5.34E-08	3.08E-09	4.54E-09	7.61E-09	2.68E-09	2.79E-09	5.47E-09
865	567370.29	4216944.64	3.11E-08	3.36E-08	6.46E-08	2.70E-08	2.97E-08	5.67E-08	3.26E-09	4.81E-09	8.07E-09	2.84E-09	2.96E-09	5.80E-09
866	567368.01	4216953.76	3.30E-08	3.56E-08	6.86E-08	2.86E-08	3.15E-08	6.01E-08	3.46E-09	5.10E-09	8.56E-09	3.01E-09	3.14E-09	6.16E-09
867	567365.73	4216962.87	3.50E-08	3.77E-08	7.27E-08	3.03E-08	3.34E-08	6.37E-08	3.67E-09	5.41E-09	9.08E-09	3.19E-09	3.33E-09	6.53E-09
868	567363.46	4216971.99	3.70E-08	4.00E-08	7.70E-08	3.21E-08	3.54E-08	6.75E-08	3.89E-09	5.73E-09	9.62E-09	3.38E-09	3.53E-09	6.91E-09
869	567358.9	4216990.22	4.12E-08	4.45E-08	8.57E-08	3.58E-08	3.94E-08	7.51E-08	4.32E-09	6.38E-09	1.07E-08	3.76E-09	3.93E-09	7.69E-09
870	567356.63	4216999.33	4.32E-08	4.66E-08	8.98E-08	3.74E-08	4.12E-08	7.87E-08	4.53E-09	6.68E-09	1.12E-08	3.94E-09	4.11E-09	8.06E-09
871	567295.6	4216750.39	1.72E-08	1.85E-08	3.57E-08	1.49E-08	1.64E-08	3.13E-08	1.80E-09	2.66E-09	4.46E-09	1.57E-09	1.64E-09	3.21E-09
872	567287.69	4216744.87	1.70E-08	1.83E-08	3.53E-08	1.47E-08	1.62E-08	3.10E-08	1.78E-09	2.63E-09	4.41E-09	1.55E-09	1.62E-09	3.17E-09
873	567279.78	4216739.36	1.68E-08	1.81E-08	3.49E-08	1.46E-08	1.60E-08	3.06E-08	1.76E-09	2.60E-09	4.36E-09	1.53E-09	1.60E-09	3.13E-09
874	567271.88	4216733.85	1.65E-08	1.79E-08	3.44E-08	1.44E-08	1.58E-08	3.02E-08	1.74E-09	2.56E-09	4.30E-09	1.51E-09	1.58E-09	3.09E-09
875	567263.97	4216728.33	1.63E-08	1.76E-08	3.38E-08	1.41E-08	1.55E-08	2.96E-08	1.71E-09	2.52E-09	4.22E-09	1.49E-09	1.55E-09	3.04E-09
876	567256.06	4216722.82	1.59E-08	1.71E-08	3.30E-08	1.38E-08	1.52E-08	2.89E-08	1.66E-09	2.46E-09	4.12E-09	1.45E-09	1.51E-09	2.96E-09
877	567248.16	4216717.3	1.54E-08	1.67E-08	3.21E-08	1.34E-08	1.47E-08	2.81E-08	1.62E-09	2.39E-09	4.01E-09	1.41E-09	1.47E-09	2.88E-09
878	567240.25	4216711.79	1.50E-08	1.61E-08	3.11E-08	1.30E-08	1.43E-08	2.73E-08	1.57E-09	2.32E-09	3.88E-09	1.37E-09	1.43E-09	2.79E-09
879	567232.34	4216706.27	1.45E-08	1.56E-08	3.01E-08	1.26E-08	1.38E-08	2.64E-08	1.52E-09	2.24E-09	3.76E-09	1.32E-09	1.38E-09	2.70E-09
880	567351.68	4216808.36	1.88E-08	2.03E-08	3.90E-08	1.63E-08	1.79E-08	3.42E-08	1.97E-09	2.91E-09	4.88E-09	1.71E-09	1.79E-09	3.50E-09
881	567361.55	4216824.12	1.91E-08	2.06E-08	3.98E-08	1.66E-08	1.83E-08	3.49E-08	2.01E-09	2.96E-09	4.97E-09	1.75E-09	1.82E-09	3.57E-09
882	567376.36	4216847.76	1.93E-08	2.08E-08	4.01E-08	1.67E-08	1.84E-08	3.52E-08	2.02E-09	2.99E-09	5.01E-09	1.76E-09	1.84E-09	3.60E-09
883	567386.23	4216863.52	1.93E-08	2.08E-08	4.02E-08	1.68E-08	1.84E-08	3.52E-08	2.03E-09	2.99E-09	5.02E-09	1.76E-09	1.84E-09	3.61E-09
884	567391.17	4216871.39	1.93E-08	2.08E-08	4.02E-08	1.68E-08	1.84E-08	3.52E-08	2.03E-09	2.99E-09	5.01E-09	1.76E-09	1.84E-09	3.60E-09
885	567393.85	4216888.29	2.03E-08	2.19E-08	4.22E-08	1.76E-08	1.94E-08	3.70E-08	2.13E-09	3.14E-09	5.26E-09	1.85E-09	1.93E-09	3.78E-09
886	567391.59	4216897.31	2.13E-08	2.30E-08	4.44E-08	1.85E-08	2.04E-08	3.89E-08	2.24E-09	3.30E-09	5.54E-09	1.95E-09	2.03E-09	3.98E-09
887	567384.84	4216924.37	2.52E-08	2.72E-08	5.25E-08	2.19E-08	2.41E-08	4.60E-08	2.65E-09	3.91E-09	6.55E-09	2.30E-09	2.40E-09	4.71E-09
888	567382.58	4216933.39	2.68E-08	2.89E-08	5.56E-08	2.32E-08	2.56E-08	4.88E-08	2.81E-09	4.14E-09	6.95E-09	2.44E-09	2.55E-09	4.99E-09
889	567380.33	4216942.41	2.83E-08	3.05E-08	5.89E-08	2.46E-08	2.70E-08	5.16E-08	2.97E-09	4.38E-09	7.35E-09	2.59E-09	2.70E-09	5.28E-09
890	567378.08	4216951.43	2.99E-08	3.23E-08	6.22E-08	2.60E-08	2.86E-08	5.45E-08	3.14E-09	4.63E-09	7.77E-09	2.73E-09	2.85E-09	5.58E-09
891	567375.82	4216960.45	3.16E-08	3.41E-08	6.58E-08	2.74E-08	3.02E-08	5.76E-08	3.32E-09	4.90E-09	8.21E-09	2.89E-09	3.01E-09	5.90E-09
892	567373.57	4216969.47	3.34E-08	3.61E-08	6.95E-08	2.90E-08	3.19E-08	6.09E-08	3.51E-09	5.18E-09	8.68E-09	3.05E-09	3.19E-09	6.24E-09
893	567371.32	4216978.49	3.53E-08	3.81E-08	7.34E-08	3.06E-08	3.37E-08	6.44E-08	3.70E-09	5.47E-09	9.17E-09	3.23E-09	3.37E-09	6.59E-09
894	567366.81	4216996.53	3.90E-08	4.21E-08	8.12E-08	3.39E-08	3.73E-08	7.11E-08	4.09E-09	6.04E-09	1.01E-08	3.57E-09	3.72E-09	7.29E-09
895	567364.56	4217005.55	4.08E-08	4.40E-08	8.48E-08	3.54E-08	3.89E-08	7.43E-08	4.28E-09	6.31E-09	1.06E-08	3.72E-09	3.89E-09	7.61E-09
896	567362.31	4217014.57	4.24E-08	4.57E-08	8.81E-08	3.68E-08	4.05E-08	7.72E-08	4.44E-09	6.56E-09	1.10E-08	3.87E-09	4.04E-09	7.91E-09
897	567309.23	4216747.7	1.61E-08	1.74E-08	3.34E-08	1.40E-08	1.54E-08	2.93E-08	1.69E-09	2.49E-09	4.18E-09	1.47E-09	1.53E-09	3.00E-09
898	567301.32	4216742.19	1.59E-08	1.72E-08	3.32E-08	1.38E-08	1.52E-08	2.91E-08	1.67E-09	2.47E-09	4.14E-09	1.46E-09	1.52E-09	2.98E-09
899	567293.41	4216736.67	1.58E-08	1.70E-08	3.28E-08	1.37E-08	1.50E-08	2.87E-08	1.65E-09	2.44E-09	4.09E-09	1.44E-09	1.50E-09	2.94E-09
900	567285.51	4216731.16	1.56E-08	1.68E-08	3.24E-08	1.35E-08	1.49E-08	2.84E-08	1.63E-09	2.41E-09	4.04E-09	1.42E-09	1.48E-09	2.90E-09
901	567277.6	4216725.64	1.53E-08	1.66E-08	3.19E-08	1.33E-08	1.47E-08	2.80E-08	1.61E-09	2.37E-09	3.98E-09	1.40E-09	1.46E-09	2.86E-09
902	567269.69	4216720.13	1.51E-08	1.63E-08	3.14E-08	1.31E-08	1.44E-08	2.75E-08	1.58E-09	2.34E-09	3.92E-09	1.38E-09	1.44E-09	2.82E-09
903	567261.78	4216714.61	1.47E-08	1.59E-08	3.07E-08	1.28E-08	1.41E-08	2.69E-08	1.55E-09	2.28E-09	3.83E-09	1.35E-09	1.41E-09	2.75E-09
904	567253.88	4216709.1	1.44E-08	1.55E-08	2.99E-08	1.25E-08	1.37E-08	2.62E-08	1.51E-09	2.22E-09	3.73E-09	1.31E-09	1.37E-09	2.68E-09
905	567245.97	4216703.59	1.39E-08	1.51E-08	2.90E-08	1.21E-08	1.33E-08	2.54E-08	1.46E-09	2.16E-09	3.62E-09	1.27E-09	1.33E-09	2.60E-09
906	567238.06	4216698.07	1.35E-08	1.46E-08	2.81E-08	1.17E-08	1.29E-08	2.46E-08	1.42E-09	2.09E-09	3.51E-09	1.23E-09	1.29E-09	2.52E-09
907	567347.3	4216784.04	1.69E-08	1.83E-08	3.52E-08	1.47E-08	1.62E-08	3.08E-08	1.77E-09	2.62E-09	4.39E-09	1.54E-09	1.61E-09	3.16E-09
908	567352.19	4216791.84	1.72E-08	1.86E-08	3.58E-08	1.49E-08	1.64E-08	3.14E-08	1.80E-09	2.66E-09	4.47E-09	1.57E-09	1.64E-09	3.21E-09
909	567361.97	4216807.46	1.76E-08	1.90E-08	3.67E-08	1.53E-08	1.69E-08	3.22E-08	1.85E-09	2.73E-09	4.58E-09	1.61E-09	1.68E-09	3.29E-09
910	567366.86	4216815.26	1.78E-08	1.92E-08	3.71E-08	1.55E-08	1.70E-08	3.25E-08	1.87E-09	2.76E-09	4.63E-09	1.63E-09	1.70E-09	3.33E-09
911	567386.42	4216846.48	1.80E-08	1.94E-08	3.74E-08	1.56E-08	1.72E-08	3.27E-08	1.88E-09	2.78E-09	4.66E-09	1.64E-09	1.71E-09	3.35E-09
912	567391.31	4216854.29	1.80E-08	1.94E-08	3.74E-08	1.56E-08	1.72E-08	3.28E-08	1.89E-09	2.78E-09	4.67E-09	1.64E-09	1.71E-09	3.36E-09
913	567401.09	4216869.9	1.80E-08	1.94E-08	3.74E-08	1.56E-08	1.72E-08	3.28E-08	1.89E-09	2.78E-09	4.67E-09	1.64E-09	1.71E-09	3.36E-09
914	567403.74	4216886.64	1.88E-08	2.03E-08	3.92E-08	1.63E-08	1.80E-08	3.43E-08	1.98E-09	2.92E-09	4.89E-09	1.72E-09	1.80E-09	3.52E-09
915	567401.51	4216895.58	1.98E-08	2.14E-08	4.12E-08	1.72E-08	1.89E-08	3.61E-08	2.08E-09	3.06E-09	5.14E-09	1.81E-09	1.89E-09	3.69E-09
916	567394.82	4216922.38	2.32E-08	2.50E-08	4.82E-08	2.01E-08	2.22E-08	4.23E-08	2.43E-09	3.59E-09	6.02E-09	2.12E-09	2.21E-09	4.33E-09
917	567392.58	4216931.32	2.45E-08	2.65E-08	5.10E-08	2.13E-08	2.34E-08	4.47E-08	2.57E-09	3.80E-09	6.37E-09	2.24E-09	2.34E-09	4.58E-09
918	567390.35	4216940.26	2.59E-08	2.80E-08	5.39E-08	2.25E-08	2.47E-08	4.72E-08	2.72E-09	4.01E-09	6.73E-09	2.37E-09	2.47E-09	4.83E-09
919	567385.89	4216958.13	2.88E-08	3.10E-08	5.98E-08	2.50E-08	2.75E-08	5.24E-08	3.02E-09	4.45E-09	7.47E-09	2.63E-09	2.74E-09	5.37E-09

920	567383.66	4216967.06	3.03E-08	3.27E-08	6.29E-08	2.62E-08	2.89E-08	5.51E-08	3.17E-09	4.68E-09	7.86E-09	2.76E-09	2.88E-09	5.65E-09
921	567381.42	4216976	3.19E-08	3.45E-08	6.64E-08	2.77E-08	3.05E-08	5.82E-08	3.35E-09	4.94E-09	8.29E-09	2.92E-09	3.04E-09	5.96E-09
922	567374.73	4217002.81	3.70E-08	4.00E-08	7.70E-08	3.21E-08	3.54E-08	6.75E-08	3.88E-09	5.73E-09	9.61E-09	3.38E-09	3.53E-09	6.91E-09
923	567314.95	4216739.5	1.50E-08	1.62E-08	3.12E-08	1.30E-08	1.43E-08	2.73E-08	1.57E-09	2.32E-09	3.89E-09	1.37E-09	1.43E-09	2.80E-09
924	567307.04	4216733.98	1.49E-08	1.60E-08	3.09E-08	1.29E-08	1.42E-08	2.71E-08	1.56E-09	2.30E-09	3.86E-09	1.36E-09	1.42E-09	2.77E-09
925	567299.13	4216728.47	1.47E-08	1.58E-08	3.05E-08	1.27E-08	1.40E-08	2.67E-08	1.54E-09	2.27E-09	3.81E-09	1.34E-09	1.40E-09	2.74E-09
926	567291.23	4216722.95	1.45E-08	1.56E-08	3.01E-08	1.26E-08	1.38E-08	2.64E-08	1.52E-09	2.24E-09	3.76E-09	1.32E-09	1.38E-09	2.70E-09
927	567283.32	4216717.44	1.43E-08	1.54E-08	2.97E-08	1.24E-08	1.37E-08	2.61E-08	1.50E-09	2.21E-09	3.71E-09	1.31E-09	1.36E-09	2.67E-09
928	567275.41	4216711.93	1.41E-08	1.52E-08	2.93E-08	1.22E-08	1.34E-08	2.57E-08	1.48E-09	2.18E-09	3.66E-09	1.29E-09	1.34E-09	2.63E-09
929	567267.5	4216706.41	1.38E-08	1.48E-08	2.86E-08	1.19E-08	1.31E-08	2.51E-08	1.44E-09	2.13E-09	3.57E-09	1.26E-09	1.31E-09	2.57E-09
930	567259.6	4216700.9	1.34E-08	1.45E-08	2.79E-08	1.16E-08	1.28E-08	2.44E-08	1.41E-09	2.07E-09	3.48E-09	1.22E-09	1.28E-09	2.50E-09
931	567251.69	4216695.38	1.30E-08	1.41E-08	2.71E-08	1.13E-08	1.24E-08	2.38E-08	1.37E-09	2.02E-09	3.38E-09	1.19E-09	1.24E-09	2.43E-09
932	567220.06	4216673.33	1.15E-08	1.24E-08	2.39E-08	9.96E-09	1.10E-08	2.09E-08	1.20E-09	1.78E-09	2.98E-09	1.05E-09	1.09E-09	2.14E-09
933	567212.15	4216667.81	1.11E-08	1.20E-08	2.31E-08	9.63E-09	1.06E-08	2.02E-08	1.16E-09	1.72E-09	2.88E-09	1.01E-09	1.06E-09	2.07E-09
934	567347.97	4216767.77	1.55E-08	1.67E-08	3.22E-08	1.34E-08	1.48E-08	2.82E-08	1.62E-09	2.40E-09	4.02E-09	1.41E-09	1.48E-09	2.89E-09
935	567357.67	4216783.25	1.60E-08	1.73E-08	3.34E-08	1.39E-08	1.53E-08	2.92E-08	1.68E-09	2.48E-09	4.17E-09	1.47E-09	1.53E-09	2.99E-09
936	567367.36	4216798.73	1.65E-08	1.78E-08	3.42E-08	1.43E-08	1.57E-08	3.00E-08	1.73E-09	2.55E-09	4.27E-09	1.50E-09	1.57E-09	3.07E-09
937	567372.21	4216806.47	1.66E-08	1.80E-08	3.46E-08	1.44E-08	1.59E-08	3.03E-08	1.75E-09	2.58E-09	4.32E-09	1.52E-09	1.59E-09	3.11E-09
938	567381.91	4216821.95	1.68E-08	1.81E-08	3.49E-08	1.45E-08	1.60E-08	3.05E-08	1.76E-09	2.59E-09	4.35E-09	1.53E-09	1.60E-09	3.13E-09
939	567391.61	4216837.43	1.68E-08	1.81E-08	3.49E-08	1.46E-08	1.61E-08	3.06E-08	1.76E-09	2.60E-09	4.36E-09	1.54E-09	1.60E-09	3.14E-09
940	567401.31	4216852.92	1.68E-08	1.81E-08	3.49E-08	1.46E-08	1.60E-08	3.06E-08	1.76E-09	2.60E-09	4.36E-09	1.53E-09	1.60E-09	3.14E-09
941	567411	4216868.4	1.68E-08	1.81E-08	3.49E-08	1.46E-08	1.60E-08	3.06E-08	1.76E-09	2.60E-09	4.36E-09	1.53E-09	1.60E-09	3.13E-09
942	567413.64	4216885	1.75E-08	1.89E-08	3.65E-08	1.52E-08	1.68E-08	3.20E-08	1.84E-09	2.72E-09	4.56E-09	1.60E-09	1.67E-09	3.28E-09
943	567411.43	4216893.86	1.84E-08	1.99E-08	3.83E-08	1.60E-08	1.76E-08	3.36E-08	1.93E-09	2.85E-09	4.78E-09	1.68E-09	1.75E-09	3.44E-09
944	567404.79	4216920.44	2.14E-08	2.31E-08	4.45E-08	1.86E-08	2.05E-08	3.90E-08	2.25E-09	3.32E-09	5.56E-09	1.96E-09	2.04E-09	4.00E-09
945	567402.57	4216929.31	2.26E-08	2.44E-08	4.70E-08	1.96E-08	2.16E-08	4.12E-08	2.37E-09	3.49E-09	5.86E-09	2.06E-09	2.15E-09	4.21E-09
946	567398.15	4216947.03	2.50E-08	2.70E-08	5.20E-08	2.17E-08	2.39E-08	4.56E-08	2.62E-09	3.87E-09	6.50E-09	2.29E-09	2.38E-09	4.67E-09
947	567395.93	4216955.89	2.63E-08	2.84E-08	5.47E-08	2.28E-08	2.51E-08	4.80E-08	2.76E-09	4.07E-09	6.83E-09	2.40E-09	2.51E-09	4.91E-09
948	567393.72	4216964.75	2.76E-08	2.98E-08	5.74E-08	2.40E-08	2.64E-08	5.03E-08	2.90E-09	4.28E-09	7.17E-09	2.52E-09	2.63E-09	5.16E-09
949	567389.29	4216982.47	3.06E-08	3.30E-08	6.36E-08	2.65E-08	2.92E-08	5.58E-08	3.21E-09	4.74E-09	7.94E-09	2.79E-09	2.92E-09	5.71E-09
950	567382.65	4217009.06	3.51E-08	3.79E-08	7.29E-08	3.04E-08	3.35E-08	6.39E-08	3.68E-09	5.43E-09	9.11E-09	3.20E-09	3.34E-09	6.55E-09
951	567380.44	4217017.92	3.65E-08	3.93E-08	7.58E-08	3.16E-08	3.48E-08	6.64E-08	3.82E-09	5.64E-09	9.47E-09	3.33E-09	3.47E-09	6.80E-09
952	567304.85	4216720.27	1.37E-08	1.48E-08	2.86E-08	1.19E-08	1.31E-08	2.50E-08	1.44E-09	2.13E-09	3.57E-09	1.25E-09	1.31E-09	2.56E-09
953	567296.95	4216714.75	1.36E-08	1.46E-08	2.82E-08	1.18E-08	1.29E-08	2.47E-08	1.42E-09	2.10E-09	3.52E-09	1.24E-09	1.29E-09	2.53E-09
954	567289.04	4216709.24	1.34E-08	1.44E-08	2.78E-08	1.16E-08	1.28E-08	2.44E-08	1.40E-09	2.07E-09	3.47E-09	1.22E-09	1.28E-09	2.50E-09
955	567281.13	4216703.72	1.32E-08	1.42E-08	2.74E-08	1.14E-08	1.26E-08	2.40E-08	1.38E-09	2.04E-09	3.42E-09	1.20E-09	1.25E-09	2.46E-09
956	567273.22	4216698.21	1.29E-08	1.39E-08	2.67E-08	1.12E-08	1.23E-08	2.34E-08	1.35E-09	1.99E-09	3.34E-09	1.17E-09	1.23E-09	2.40E-09
957	567265.32	4216692.7	1.25E-08	1.35E-08	2.61E-08	1.09E-08	1.20E-08	2.29E-08	1.32E-09	1.94E-09	3.26E-09	1.15E-09	1.20E-09	2.34E-09
958	567233.69	4216670.64	1.12E-08	1.20E-08	2.32E-08	9.67E-09	1.07E-08	2.03E-08	1.17E-09	1.73E-09	2.90E-09	1.02E-09	1.06E-09	2.08E-09
959	567225.78	4216665.12	1.08E-08	1.17E-08	2.25E-08	9.38E-09	1.03E-08	1.97E-08	1.13E-09	1.67E-09	2.81E-09	9.87E-10	1.03E-09	2.02E-09
960	567217.87	4216659.61	1.05E-08	1.13E-08	2.18E-08	9.08E-09	1.00E-08	1.91E-08	1.10E-09	1.62E-09	2.72E-09	9.56E-10	9.97E-10	1.95E-09
961	567339.37	4216736.72	1.35E-08	1.46E-08	2.82E-08	1.18E-08	1.29E-08	2.47E-08	1.42E-09	2.10E-09	3.52E-09	1.24E-09	1.29E-09	2.53E-09
962	567344.45	4216744.83	1.39E-08	1.50E-08	2.89E-08	1.21E-08	1.33E-08	2.53E-08	1.46E-09	2.15E-09	3.61E-09	1.27E-09	1.32E-09	2.59E-09
963	567354.61	4216761.04	1.45E-08	1.57E-08	3.02E-08	1.26E-08	1.39E-08	2.65E-08	1.52E-09	2.25E-09	3.77E-09	1.33E-09	1.39E-09	2.71E-09
964	567359.69	4216769.15	1.48E-08	1.60E-08	3.08E-08	1.29E-08	1.42E-08	2.70E-08	1.55E-09	2.29E-09	3.85E-09	1.35E-09	1.41E-09	2.77E-09
965	567364.77	4216777.26	1.51E-08	1.63E-08	3.13E-08	1.31E-08	1.44E-08	2.75E-08	1.58E-09	2.33E-09	3.91E-09	1.38E-09	1.44E-09	2.81E-09
966	567369.85	4216785.37	1.53E-08	1.65E-08	3.18E-08	1.33E-08	1.46E-08	2.79E-08	1.60E-09	2.37E-09	3.97E-09	1.40E-09	1.46E-09	2.85E-09
967	567374.93	4216793.48	1.55E-08	1.68E-08	3.23E-08	1.35E-08	1.48E-08	2.83E-08	1.63E-09	2.40E-09	4.03E-09	1.42E-09	1.48E-09	2.90E-09
968	567380.01	4216801.59	1.56E-08	1.69E-08	3.25E-08	1.36E-08	1.49E-08	2.85E-08	1.64E-09	2.42E-09	4.06E-09	1.43E-09	1.49E-09	2.92E-09
969	567385.09	4216809.7	1.57E-08	1.69E-08	3.26E-08	1.36E-08	1.50E-08	2.86E-08	1.65E-09	2.43E-09	4.07E-09	1.43E-09	1.50E-09	2.93E-09
970	567390.17	4216817.81	1.57E-08	1.70E-08	3.27E-08	1.36E-08	1.50E-08	2.87E-08	1.65E-09	2.43E-09	4.08E-09	1.44E-09	1.50E-09	2.94E-09
971	567400.33	4216834.02	1.58E-08	1.70E-08	3.28E-08	1.37E-08	1.51E-08	2.87E-08	1.65E-09	2.44E-09	4.09E-09	1.44E-09	1.50E-09	2.94E-09
972	567405.41	4216842.13	1.57E-08	1.70E-08	3.27E-08	1.37E-08	1.50E-08	2.87E-08	1.65E-09	2.44E-09	4.09E-09	1.44E-09	1.50E-09	2.94E-09
973	567410.49	4216850.24	1.57E-08	1.70E-08	3.27E-08	1.36E-08	1.50E-08	2.87E-08	1.65E-09	2.43E-09	4.08E-09	1.44E-09	1.50E-09	2.94E-09
974	567415.57	4216858.35	1.57E-08	1.70E-08	3.27E-08	1.36E-08	1.50E-08	2.87E-08	1.65E-09	2.43E-09	4.08E-09	1.44E-09	1.50E-09	2.94E-09
975	567420.65	4216866.46	1.57E-08	1.70E-08	3.27E-08	1.36E-08	1.50E-08	2.87E-08	1.65E-09	2.43E-09	4.08E-09	1.44E-09	1.50E-09	2.94E-09
976	567423.41	4216883.85	1.65E-08	1.78E-08	3.42E-08	1.43E-08	1.57E-08	3.00E-08	1.73E-09	2.55E-09	4.27E-09	1.50E-09	1.57E-09	3.07E-09
977	567421.09	4216893.14	1.73E-08	1.86E-08	3.59E-08	1.50E-08	1.65E-08	3.15E-08	1.81E-09	2.67E-09	4.48E-09	1.58E-09	1.65E-09	3.22E-09
978	567414.14	4216920.99	2.01E-08	2.17E-08	4.18E-08	1.75E-08	1.92E-08	3.67E-08	2.11E-09	3.11E-09	5.22E-09	1.84E-09	1.92E-09	3.76E-09
979	567411.82	4216930.27	2.12E-08	2.29E-08	4.41E-08	1.84E-08	2.03E-08	3.87E-08	2.23E-09	3.28E-09	5.51E-09	1.94E-09	2.02E-09	3.96E-09
980	567409.5	4216939.55	2.24E-08	2.41E-08	4.65E-08	1.94E-08	2.14E-08	4.08E-08	2.35E-09	3.46E-09	5.81E-09	2.04E-09	2.13E-09	4.17E-09
981	567407.18	4216948.84	2.35E-08	2.54E-08	4.89E-08	2.04E-08	2.25E-08	4.29E-08	2.47E-09	3.64E-09	6.11E-09	2.15E-09	2.24E-09	4.39E-09
982	567404.86	4216958.12	2.48E-08	2.67E-08	5.15E-08	2.15E-08	2.36E-08	4.51E-08	2.60E-09	3.83E-09	6.43E-09	2.26E-09	2.36E-09	4.62E-09
983	567402.54	4216967.4	2.60E-08	2.81E-08	5.41E-08	2.26E-08	2.49E-08	4.74E-08	2.73E-09	4.03E-09	6.76E-09	2.38E-09	2.48E-09	4.86E-09
984	567400.22	4216976.69	2.74E-08	2.96E-08	5.70E-08	2.38E-08	2.62E-08	5.00E-08	2.88E-09	4.25E-09	7.12E-09	2.51E-09	2.61E-09	5.12E-09
985	567393.27	4217004.54	3.18E-08	3.43E-08	6.60E-08	2.76E-08	3.03E-08	5.79E-08	3.33E-09	4.92E-09	8.25E-09	2.90E-09	3.03E-09	5.93E-09
986	567390.95	4217013.82	3.31E-08	3.58E-08	6.89E-08	2.88E-08	3.17E-08	6.04E-08	3.48E-09	5.13E-09	8.60E-09	3.03E-09	3.16E-09	6.19E-09
987	567334.29	4216728.61	1.32E-08	1.42E-08	2.74E-08	1.14E-08	1.26E-08	2.40E-08	1.38E-09	2.04E-09	3.43E-09	1.20E-09	1.26E-09	2.46E-09
988	567302.67	4216706.55	1.27E-08	1.37E-08	2.65E-08	1.10E-08	1.22E-08	2.32E-08	1.34E-09	1.97E-09	3.31E-09	1.16E-09	1.21E-09	2.38E-09
989	567294.76	4216701.04	1.26E-08	1.36E-08	2.61E-08	1.09E-08	1.20E-08	2.29E-08	1.32E-09	1.94E-09	3.26E-09	1.15E-09	1.20E-09	2.35E-09
990	567286.85	4216695.52	1.23E-08	1.33E-08	2.56E-08	1.07E-08	1.18E-08	2.25E-08	1.29E-09	1.91E-09	3.20E-09	1.13E-09	1.18E-09	2.30E-09

991	567278.94	4216690.01	1.21E-08	1.30E-08	2.51E-08	1.05E-08	1.15E-08	2.20E-08	1.26E-09	1.87E-09	3.13E-09	1.10E-09	1.15E-09	2.25E-09
992	567247.32	4216667.95	1.08E-08	1.17E-08	2.25E-08	9.40E-09	1.03E-08	1.97E-08	1.14E-09	1.68E-09	2.81E-09	9.90E-10	1.03E-09	2.02E-09
993	567239.41	4216662.44	1.05E-08	1.14E-08	2.19E-08	9.12E-09	1.00E-08	1.92E-08	1.10E-09	1.63E-09	2.73E-09	9.61E-10	1.00E-09	1.96E-09
994	567231.5	4216656.92	1.02E-08	1.10E-08	2.12E-08	8.85E-09	9.75E-09	1.86E-08	1.07E-09	1.58E-09	2.65E-09	9.32E-10	9.72E-10	1.90E-09
995	567223.59	4216651.41	9.89E-09	1.07E-08	2.06E-08	8.58E-09	9.45E-09	1.80E-08	1.04E-09	1.53E-09	2.57E-09	9.04E-10	9.43E-10	1.85E-09
996	567345.05	4216728.44	1.27E-08	1.37E-08	2.64E-08	1.10E-08	1.21E-08	2.32E-08	1.33E-09	1.97E-09	3.30E-09	1.16E-09	1.21E-09	2.37E-09
997	567350.08	4216736.47	1.30E-08	1.41E-08	2.71E-08	1.13E-08	1.24E-08	2.37E-08	1.37E-09	2.02E-09	3.38E-09	1.19E-09	1.24E-09	2.43E-09
998	567365.17	4216760.56	1.39E-08	1.50E-08	2.89E-08	1.20E-08	1.33E-08	2.53E-08	1.46E-09	2.15E-09	3.60E-09	1.27E-09	1.32E-09	2.59E-09
999	567370.2	4216768.59	1.41E-08	1.52E-08	2.93E-08	1.22E-08	1.35E-08	2.57E-08	1.48E-09	2.18E-09	3.66E-09	1.29E-09	1.34E-09	2.63E-09
1000	567375.23	4216776.62	1.43E-08	1.55E-08	2.98E-08	1.24E-08	1.37E-08	2.61E-08	1.50E-09	2.22E-09	3.72E-09	1.31E-09	1.36E-09	2.67E-09
1001	567380.26	4216784.66	1.46E-08	1.57E-08	3.03E-08	1.26E-08	1.39E-08	2.66E-08	1.53E-09	2.25E-09	3.78E-09	1.33E-09	1.39E-09	2.72E-09
1002	567385.29	4216792.69	1.47E-08	1.59E-08	3.05E-08	1.27E-08	1.40E-08	2.68E-08	1.54E-09	2.27E-09	3.81E-09	1.34E-09	1.40E-09	2.74E-09
1003	567390.33	4216800.72	1.48E-08	1.59E-08	3.07E-08	1.28E-08	1.41E-08	2.69E-08	1.55E-09	2.28E-09	3.83E-09	1.35E-09	1.41E-09	2.75E-09
1004	567395.36	4216808.75	1.48E-08	1.60E-08	3.08E-08	1.28E-08	1.41E-08	2.70E-08	1.55E-09	2.29E-09	3.84E-09	1.35E-09	1.41E-09	2.76E-09
1005	567400.39	4216816.78	1.48E-08	1.60E-08	3.08E-08	1.28E-08	1.41E-08	2.70E-08	1.55E-09	2.29E-09	3.84E-09	1.35E-09	1.41E-09	2.76E-09
1006	567410.45	4216832.84	1.48E-08	1.60E-08	3.08E-08	1.29E-08	1.41E-08	2.70E-08	1.55E-09	2.29E-09	3.85E-09	1.35E-09	1.41E-09	2.77E-09
1007	567415.48	4216840.88	1.48E-08	1.60E-08	3.08E-08	1.28E-08	1.41E-08	2.70E-08	1.55E-09	2.29E-09	3.84E-09	1.35E-09	1.41E-09	2.76E-09
1008	567420.51	4216848.91	1.48E-08	1.60E-08	3.08E-08	1.28E-08	1.41E-08	2.70E-08	1.55E-09	2.29E-09	3.84E-09	1.35E-09	1.41E-09	2.76E-09
1009	567425.54	4216856.94	1.48E-08	1.60E-08	3.08E-08	1.28E-08	1.41E-08	2.70E-08	1.55E-09	2.29E-09	3.84E-09	1.35E-09	1.41E-09	2.76E-09
1010	567430.57	4216864.97	1.48E-08	1.60E-08	3.08E-08	1.28E-08	1.41E-08	2.70E-08	1.55E-09	2.29E-09	3.84E-09	1.35E-09	1.41E-09	2.76E-09
1011	567433.31	4216882.2	1.54E-08	1.67E-08	3.21E-08	1.34E-08	1.47E-08	2.81E-08	1.62E-09	2.39E-09	4.01E-09	1.41E-09	1.47E-09	2.88E-09
1012	567431.01	4216891.39	1.62E-08	1.74E-08	3.36E-08	1.40E-08	1.54E-08	2.94E-08	1.69E-09	2.50E-09	4.19E-09	1.48E-09	1.54E-09	3.02E-09
1013	567428.72	4216900.59	1.69E-08	1.83E-08	3.52E-08	1.47E-08	1.62E-08	3.08E-08	1.78E-09	2.62E-09	4.39E-09	1.55E-09	1.61E-09	3.16E-09
1014	567424.12	4216918.97	1.87E-08	2.02E-08	3.88E-08	1.62E-08	1.78E-08	3.40E-08	1.96E-09	2.89E-09	4.85E-09	1.71E-09	1.78E-09	3.49E-09
1015	567421.83	4216928.17	1.96E-08	2.12E-08	4.08E-08	1.70E-08	1.88E-08	3.58E-08	2.06E-09	3.04E-09	5.10E-09	1.79E-09	1.87E-09	3.67E-09
1016	567419.53	4216937.36	2.07E-08	2.23E-08	4.30E-08	1.79E-08	1.97E-08	3.77E-08	2.17E-09	3.20E-09	5.37E-09	1.89E-09	1.97E-09	3.86E-09
1017	567417.23	4216946.56	2.17E-08	2.34E-08	4.51E-08	1.88E-08	2.07E-08	3.95E-08	2.27E-09	3.36E-09	5.63E-09	1.98E-09	2.07E-09	4.05E-09
1018	567414.94	4216955.75	2.28E-08	2.46E-08	4.73E-08	1.98E-08	2.17E-08	4.15E-08	2.39E-09	3.52E-09	5.91E-09	2.08E-09	2.17E-09	4.25E-09
1019	567412.64	4216964.95	2.39E-08	2.58E-08	4.97E-08	2.07E-08	2.28E-08	4.35E-08	2.50E-09	3.70E-09	6.20E-09	2.18E-09	2.28E-09	4.46E-09
1020	567410.34	4216974.14	2.51E-08	2.71E-08	5.22E-08	2.18E-08	2.40E-08	4.58E-08	2.64E-09	3.89E-09	6.52E-09	2.30E-09	2.39E-09	4.69E-09
1021	567408.05	4216983.34	2.64E-08	2.85E-08	5.49E-08	2.29E-08	2.52E-08	4.82E-08	2.77E-09	4.09E-09	6.86E-09	2.41E-09	2.52E-09	4.93E-09
1022	567401.16	4217010.92	3.03E-08	3.27E-08	6.30E-08	2.63E-08	2.90E-08	5.53E-08	3.18E-09	4.69E-09	7.87E-09	2.77E-09	2.89E-09	5.66E-09
1023	567398.86	4217020.12	3.15E-08	3.41E-08	6.56E-08	2.74E-08	3.01E-08	5.75E-08	3.31E-09	4.88E-09	8.19E-09	2.88E-09	3.01E-09	5.89E-09
1024	567340.01	4216720.4	1.24E-08	1.34E-08	2.58E-08	1.07E-08	1.18E-08	2.26E-08	1.30E-09	1.92E-09	3.22E-09	1.13E-09	1.18E-09	2.31E-09
1025	567332.11	4216714.89	1.23E-08	1.33E-08	2.56E-08	1.07E-08	1.18E-08	2.25E-08	1.29E-09	1.91E-09	3.20E-09	1.13E-09	1.18E-09	2.30E-09
1026	567324.2	4216709.38	1.22E-08	1.32E-08	2.55E-08	1.06E-08	1.17E-08	2.23E-08	1.28E-09	1.90E-09	3.18E-09	1.12E-09	1.17E-09	2.29E-09
1027	567300.48	4216692.83	1.18E-08	1.27E-08	2.45E-08	1.02E-08	1.13E-08	2.15E-08	1.24E-09	1.83E-09	3.07E-09	1.08E-09	1.13E-09	2.20E-09
1028	567292.57	4216687.32	1.16E-08	1.25E-08	2.41E-08	1.00E-08	1.11E-08	2.11E-08	1.21E-09	1.79E-09	3.01E-09	1.06E-09	1.10E-09	2.16E-09
1029	567260.94	4216665.26	1.05E-08	1.13E-08	2.19E-08	9.12E-09	1.00E-08	1.92E-08	1.10E-09	1.63E-09	2.73E-09	9.60E-10	1.00E-09	1.96E-09
1030	567253.04	4216659.75	1.02E-08	1.10E-08	2.13E-08	8.87E-09	9.77E-09	1.86E-08	1.07E-09	1.58E-09	2.65E-09	9.34E-10	9.74E-10	1.91E-09
1031	567245.13	4216654.23	9.94E-09	1.07E-08	2.07E-08	8.62E-09	9.49E-09	1.81E-08	1.04E-09	1.54E-09	2.58E-09	9.08E-10	9.47E-10	1.85E-09
1032	567237.22	4216648.72	9.65E-09	1.04E-08	2.01E-08	8.38E-09	9.22E-09	1.76E-08	1.01E-09	1.49E-09	2.51E-09	8.82E-10	9.20E-10	1.80E-09
1033	567229.31	4216643.2	9.37E-09	1.01E-08	1.95E-08	8.13E-09	8.95E-09	1.71E-08	9.83E-10	1.45E-09	2.43E-09	8.56E-10	8.93E-10	1.75E-09
1034	567350.72	4216720.16	1.20E-08	1.29E-08	2.49E-08	1.04E-08	1.14E-08	2.18E-08	1.25E-09	1.85E-09	3.10E-09	1.09E-09	1.14E-09	2.23E-09
1035	567355.71	4216728.13	1.22E-08	1.32E-08	2.54E-08	1.06E-08	1.17E-08	2.23E-08	1.28E-09	1.89E-09	3.17E-09	1.12E-09	1.17E-09	2.28E-09
1036	567360.7	4216736.09	1.25E-08	1.35E-08	2.60E-08	1.09E-08	1.20E-08	2.28E-08	1.31E-09	1.94E-09	3.25E-09	1.14E-09	1.19E-09	2.34E-09
1037	567370.67	4216752.01	1.30E-08	1.41E-08	2.71E-08	1.13E-08	1.24E-08	2.37E-08	1.37E-09	2.02E-09	3.38E-09	1.19E-09	1.24E-09	2.43E-09
1038	567375.66	4216759.97	1.32E-08	1.43E-08	2.75E-08	1.15E-08	1.27E-08	2.41E-08	1.39E-09	2.05E-09	3.44E-09	1.21E-09	1.26E-09	2.47E-09
1039	567380.65	4216767.93	1.35E-08	1.46E-08	2.81E-08	1.17E-08	1.29E-08	2.47E-08	1.42E-09	2.09E-09	3.51E-09	1.24E-09	1.29E-09	2.52E-09
1040	567385.63	4216775.89	1.37E-08	1.48E-08	2.85E-08	1.19E-08	1.31E-08	2.49E-08	1.44E-09	2.12E-09	3.55E-09	1.25E-09	1.30E-09	2.55E-09
1041	567390.62	4216783.86	1.38E-08	1.49E-08	2.87E-08	1.20E-08	1.32E-08	2.52E-08	1.45E-09	2.14E-09	3.59E-09	1.26E-09	1.32E-09	2.58E-09
1042	567395.61	4216791.82	1.39E-08	1.50E-08	2.89E-08	1.21E-08	1.33E-08	2.53E-08	1.46E-09	2.15E-09	3.61E-09	1.27E-09	1.33E-09	2.60E-09
1043	567400.6	4216799.78	1.40E-08	1.51E-08	2.90E-08	1.21E-08	1.33E-08	2.54E-08	1.46E-09	2.16E-09	3.62E-09	1.27E-09	1.33E-09	2.60E-09
1044	567410.57	4216815.7	1.40E-08	1.51E-08	2.90E-08	1.21E-08	1.33E-08	2.54E-08	1.46E-09	2.16E-09	3.63E-09	1.28E-09	1.33E-09	2.61E-09
1045	567420.55	4216831.63	1.40E-08	1.51E-08	2.91E-08	1.21E-08	1.33E-08	2.55E-08	1.47E-09	2.16E-09	3.63E-09	1.28E-09	1.33E-09	2.61E-09
1046	567425.53	4216839.59	1.40E-08	1.51E-08	2.90E-08	1.21E-08	1.33E-08	2.55E-08	1.46E-09	2.16E-09	3.63E-09	1.28E-09	1.33E-09	2.61E-09
1047	567430.52	4216847.55	1.39E-08	1.51E-08	2.90E-08	1.21E-08	1.33E-08	2.54E-08	1.46E-09	2.16E-09	3.62E-09	1.27E-09	1.33E-09	2.60E-09
1048	567435.51	4216855.51	1.39E-08	1.51E-08	2.90E-08	1.21E-08	1.33E-08	2.54E-08	1.46E-09	2.16E-09	3.62E-09	1.27E-09	1.33E-09	2.60E-09
1049	567440.49	4216863.47	1.39E-08	1.50E-08	2.90E-08	1.21E-08	1.33E-08	2.54E-08	1.46E-09	2.16E-09	3.62E-09	1.27E-09	1.33E-09	2.60E-09
1050	567443.21	4216880.55	1.45E-08	1.57E-08	3.02E-08	1.26E-08	1.39E-08	2.64E-08	1.52E-09	2.25E-09	3.77E-09	1.33E-09	1.38E-09	2.71E-09
1051	567440.93	4216889.66	1.51E-08	1.64E-08	3.15E-08	1.31E-08	1.45E-08	2.76E-08	1.59E-09	2.34E-09	3.93E-09	1.38E-09	1.44E-09	2.83E-09
1052	567438.65	4216898.78	1.58E-08	1.71E-08	3.29E-08	1.37E-08	1.51E-08	2.89E-08	1.66E-09	2.45E-09	4.11E-09	1.45E-09	1.51E-09	2.96E-09
1053	567434.1	4216917.01	1.74E-08	1.88E-08	3.61E-08	1.51E-08	1.66E-08	3.17E-08	1.82E-09	2.69E-09	4.51E-09	1.59E-09	1.66E-09	3.24E-09
1054	567431.82	4216926.12	1.82E-08	1.97E-08	3.79E-08	1.58E-08	1.74E-08	3.32E-08	1.91E-09	2.82E-09	4.74E-09	1.67E-09	1.74E-09	3.40E-09
1055	567429.55	4216935.24	1.92E-08	2.07E-08	3.98E-08	1.66E-08	1.83E-08	3.49E-08	2.01E-09	2.96E-09	4.97E-09	1.75E-09	1.83E-09	3.58E-09
1056	567427.27	4216944.35	2.01E-08	2.17E-08	4.17E-08	1.74E-08	1.92E-08	3.66E-08	2.10E-09	3.10E-09	5.21E-09	1.83E-09	1.91E-09	3.74E-09
1057	567424.99	4216953.47	2.10E-08	2.27E-08	4.37E-08	1.82E-08	2.01E-08	3.83E-08	2.20E-09	3.25E-09	5.46E-09	1.92E-09	2.00E-09	3.92E-09
1058	567422.72	4216962.58	2.20E-08	2.37E-08	4.57E-08	1.91E-08	2.10E-08	4.01E-08	2.31E-09	3.41E-09	5.71E-09	2.01E-09	2.10E-09	4.11E-09
1059	567420.44	4216971.69	2.31E-08	2.49E-08	4.80E-08	2.00E-08	2.21E-08	4.21E-08	2.42E-09	3.57E-09	6.00E-09	2.11E-09	2.20E-09	4.31E-09
1060	567418.16	4216980.81	2.43E-08	2.62E-08	5.04E-08	2.10E-08	2.32E-08	4.42E-08	2.54E-09	3.76E-09	6.30E-09	2.22E-09	2.31E-09	4.53E-09
1061	567415.89	4216989.92	2.55E-08	2.75E-08	5.29E-08	2.21E-08	2.43E-08	4.64E-08	2.67E-09	3.94E-09	6.61E-09	2.33E-09	2.43E-09	4.75E-09

1062	567411.33	4217008.15	2.78E-08	3.00E-08	5.78E-08	2.41E-08	2.66E-08	5.07E-08	2.92E-09	4.30E-09	7.22E-09	2.54E-09	2.65E-09	5.19E-09
1063	567409.05	4217017.27	2.89E-08	3.12E-08	6.02E-08	2.51E-08	2.76E-08	5.28E-08	3.04E-09	4.48E-09	7.52E-09	2.64E-09	2.76E-09	5.40E-09
1064	567345.73	4216712.2	1.17E-08	1.26E-08	2.43E-08	1.01E-08	1.11E-08	2.13E-08	1.22E-09	1.81E-09	3.03E-09	1.07E-09	1.11E-09	2.18E-09
1065	567337.83	4216706.69	1.16E-08	1.25E-08	2.41E-08	1.01E-08	1.11E-08	2.12E-08	1.22E-09	1.80E-09	3.02E-09	1.06E-09	1.11E-09	2.17E-09
1066	567329.92	4216701.17	1.15E-08	1.24E-08	2.40E-08	1.00E-08	1.10E-08	2.10E-08	1.21E-09	1.78E-09	2.99E-09	1.05E-09	1.10E-09	2.15E-09
1067	567322.01	4216695.66	1.14E-08	1.23E-08	2.37E-08	9.90E-09	1.09E-08	2.08E-08	1.20E-09	1.77E-09	2.96E-09	1.04E-09	1.09E-09	2.13E-09
1068	567266.66	4216657.06	9.93E-09	1.07E-08	2.06E-08	8.61E-09	9.48E-09	1.81E-08	1.04E-09	1.54E-09	2.58E-09	9.07E-10	9.46E-10	1.85E-09
1069	567258.76	4216651.55	9.67E-09	1.04E-08	2.01E-08	8.39E-09	9.23E-09	1.76E-08	1.01E-09	1.50E-09	2.51E-09	8.83E-10	9.21E-10	1.80E-09
1070	567250.85	4216646.03	9.41E-09	1.02E-08	1.96E-08	8.16E-09	8.99E-09	1.71E-08	9.87E-10	1.46E-09	2.44E-09	8.59E-10	8.97E-10	1.76E-09
1071	567242.94	4216640.52	9.15E-09	9.88E-09	1.90E-08	7.94E-09	8.74E-09	1.67E-08	9.60E-10	1.42E-09	2.38E-09	8.36E-10	8.72E-10	1.71E-09
1072	567235.03	4216635	8.90E-09	9.60E-09	1.85E-08	7.72E-09	8.50E-09	1.62E-08	9.33E-10	1.38E-09	2.31E-09	8.13E-10	8.48E-10	1.66E-09
1073	567356.4	4216711.9	1.13E-08	1.22E-08	2.35E-08	9.79E-09	1.08E-08	2.06E-08	1.18E-09	1.75E-09	2.93E-09	1.03E-09	1.08E-09	2.11E-09
1074	567361.35	4216719.8	1.15E-08	1.24E-08	2.40E-08	1.00E-08	1.10E-08	2.10E-08	1.21E-09	1.78E-09	2.99E-09	1.05E-09	1.10E-09	2.15E-09
1075	567371.25	4216735.59	1.20E-08	1.30E-08	2.50E-08	1.04E-08	1.15E-08	2.19E-08	1.26E-09	1.86E-09	3.12E-09	1.10E-09	1.15E-09	2.24E-09
1076	567381.14	4216751.39	1.25E-08	1.35E-08	2.61E-08	1.09E-08	1.20E-08	2.29E-08	1.32E-09	1.94E-09	3.26E-09	1.15E-09	1.20E-09	2.34E-09
1077	567386.09	4216759.29	1.27E-08	1.37E-08	2.65E-08	1.10E-08	1.22E-08	2.32E-08	1.34E-09	1.97E-09	3.31E-09	1.16E-09	1.21E-09	2.38E-09
1078	567391.04	4216767.19	1.29E-08	1.39E-08	2.68E-08	1.12E-08	1.23E-08	2.35E-08	1.35E-09	1.99E-09	3.35E-09	1.18E-09	1.23E-09	2.40E-09
1079	567395.98	4216775.09	1.30E-08	1.40E-08	2.71E-08	1.13E-08	1.24E-08	2.37E-08	1.36E-09	2.01E-09	3.38E-09	1.19E-09	1.24E-09	2.43E-09
1080	567400.93	4216782.98	1.31E-08	1.42E-08	2.73E-08	1.14E-08	1.25E-08	2.39E-08	1.38E-09	2.03E-09	3.41E-09	1.20E-09	1.25E-09	2.45E-09
1081	567405.88	4216790.88	1.32E-08	1.42E-08	2.74E-08	1.14E-08	1.26E-08	2.40E-08	1.38E-09	2.04E-09	3.42E-09	1.20E-09	1.26E-09	2.46E-09
1082	567410.83	4216798.78	1.32E-08	1.43E-08	2.75E-08	1.15E-08	1.26E-08	2.41E-08	1.39E-09	2.04E-09	3.43E-09	1.21E-09	1.26E-09	2.47E-09
1083	567430.62	4216830.37	1.32E-08	1.43E-08	2.75E-08	1.15E-08	1.26E-08	2.41E-08	1.39E-09	2.05E-09	3.43E-09	1.21E-09	1.26E-09	2.47E-09
1084	567435.57	4216838.27	1.32E-08	1.42E-08	2.74E-08	1.15E-08	1.26E-08	2.41E-08	1.38E-09	2.04E-09	3.43E-09	1.21E-09	1.26E-09	2.46E-09
1085	567445.46	4216854.07	1.32E-08	1.42E-08	2.74E-08	1.14E-08	1.26E-08	2.40E-08	1.38E-09	2.04E-09	3.42E-09	1.20E-09	1.26E-09	2.46E-09
1086	567450.41	4216861.97	1.32E-08	1.42E-08	2.74E-08	1.14E-08	1.26E-08	2.40E-08	1.38E-09	2.04E-09	3.42E-09	1.20E-09	1.26E-09	2.46E-09
1087	567453.1	4216878.91	1.37E-08	1.48E-08	2.85E-08	1.19E-08	1.31E-08	2.50E-08	1.44E-09	2.12E-09	3.56E-09	1.25E-09	1.31E-09	2.56E-09
1088	567450.84	4216887.95	1.43E-08	1.54E-08	2.96E-08	1.24E-08	1.36E-08	2.60E-08	1.50E-09	2.21E-09	3.70E-09	1.30E-09	1.36E-09	2.66E-09
1089	567448.58	4216896.99	1.49E-08	1.60E-08	3.09E-08	1.29E-08	1.42E-08	2.71E-08	1.56E-09	2.30E-09	3.86E-09	1.36E-09	1.42E-09	2.77E-09
1090	567441.81	4216924.12	1.70E-08	1.83E-08	3.53E-08	1.47E-08	1.62E-08	3.10E-08	1.78E-09	2.63E-09	4.41E-09	1.55E-09	1.62E-09	3.17E-09
1091	567439.55	4216933.16	1.78E-08	1.92E-08	3.70E-08	1.54E-08	1.70E-08	3.24E-08	1.87E-09	2.75E-09	4.62E-09	1.63E-09	1.70E-09	3.32E-09
1092	567437.29	4216942.2	1.86E-08	2.01E-08	3.87E-08	1.62E-08	1.78E-08	3.39E-08	1.95E-09	2.88E-09	4.83E-09	1.70E-09	1.77E-09	3.48E-09
1093	567435.03	4216951.25	1.95E-08	2.10E-08	4.05E-08	1.69E-08	1.86E-08	3.55E-08	2.04E-09	3.01E-09	5.05E-09	1.78E-09	1.86E-09	3.63E-09
1094	567432.77	4216960.29	2.03E-08	2.20E-08	4.23E-08	1.76E-08	1.94E-08	3.71E-08	2.13E-09	3.15E-09	5.28E-09	1.86E-09	1.94E-09	3.80E-09
1095	567430.51	4216969.33	2.13E-08	2.30E-08	4.43E-08	1.85E-08	2.03E-08	3.88E-08	2.23E-09	3.30E-09	5.53E-09	1.95E-09	2.03E-09	3.98E-09
1096	567428.25	4216978.37	2.23E-08	2.41E-08	4.65E-08	1.94E-08	2.13E-08	4.07E-08	2.34E-09	3.46E-09	5.80E-09	2.04E-09	2.13E-09	4.17E-09
1097	567426	4216987.42	2.34E-08	2.53E-08	4.87E-08	2.03E-08	2.24E-08	4.27E-08	2.46E-09	3.63E-09	6.08E-09	2.14E-09	2.23E-09	4.37E-09
1098	567351.45	4216704	1.10E-08	1.19E-08	2.29E-08	9.56E-09	1.05E-08	2.01E-08	1.16E-09	1.71E-09	2.86E-09	1.01E-09	1.05E-09	2.06E-09
1099	567343.55	4216698.49	1.10E-08	1.18E-08	2.28E-08	9.51E-09	1.05E-08	2.00E-08	1.15E-09	1.70E-09	2.85E-09	1.00E-09	1.04E-09	2.05E-09
1100	567335.64	4216692.97	1.09E-08	1.17E-08	2.26E-08	9.43E-09	1.04E-08	1.98E-08	1.14E-09	1.68E-09	2.82E-09	9.93E-10	1.04E-09	2.03E-09
1101	567327.73	4216687.46	1.08E-08	1.16E-08	2.24E-08	9.34E-09	1.03E-08	1.96E-08	1.13E-09	1.67E-09	2.80E-09	9.83E-10	1.03E-09	2.01E-09
1102	567319.83	4216681.94	1.06E-08	1.15E-08	2.21E-08	9.23E-09	1.02E-08	1.94E-08	1.12E-09	1.65E-09	2.76E-09	9.72E-10	1.01E-09	1.99E-09
1103	567280.29	4216654.37	9.64E-09	1.04E-08	2.00E-08	8.36E-09	9.20E-09	1.76E-08	1.01E-09	1.49E-09	2.50E-09	8.80E-10	9.18E-10	1.80E-09
1104	567272.38	4216648.86	9.40E-09	1.01E-08	1.95E-08	8.15E-09	8.98E-09	1.71E-08	9.86E-10	1.45E-09	2.44E-09	8.58E-10	8.96E-10	1.75E-09
1105	567264.48	4216643.34	9.15E-09	9.88E-09	1.90E-08	7.94E-09	8.74E-09	1.67E-08	9.60E-10	1.42E-09	2.38E-09	8.36E-10	8.73E-10	1.71E-09
1106	567256.57	4216637.83	8.92E-09	9.63E-09	1.85E-08	7.74E-09	8.52E-09	1.63E-08	9.35E-10	1.38E-09	2.32E-09	8.15E-10	8.50E-10	1.66E-09
1107	567248.66	4216632.31	8.68E-09	9.37E-09	1.81E-08	7.53E-09	8.30E-09	1.58E-08	9.11E-10	1.34E-09	2.26E-09	7.93E-10	8.28E-10	1.62E-09
1108	567240.75	4216626.8	8.45E-09	9.12E-09	1.76E-08	7.33E-09	8.07E-09	1.54E-08	8.86E-10	1.31E-09	2.19E-09	7.72E-10	8.05E-10	1.58E-09
1109	567362.09	4216703.64	1.07E-08	1.15E-08	2.22E-08	9.25E-09	1.02E-08	1.94E-08	1.12E-09	1.65E-09	2.77E-09	9.74E-10	1.02E-09	1.99E-09
1110	567367	4216711.48	1.09E-08	1.18E-08	2.27E-08	9.45E-09	1.04E-08	1.99E-08	1.14E-09	1.69E-09	2.83E-09	9.95E-10	1.04E-09	2.03E-09
1111	567371.91	4216719.32	1.11E-08	1.20E-08	2.31E-08	9.65E-09	1.06E-08	2.03E-08	1.17E-09	1.72E-09	2.89E-09	1.02E-09	1.06E-09	2.08E-09
1112	567381.73	4216735	1.16E-08	1.26E-08	2.42E-08	1.01E-08	1.11E-08	2.12E-08	1.22E-09	1.80E-09	3.02E-09	1.06E-09	1.11E-09	2.17E-09
1113	567396.47	4216758.53	1.22E-08	1.31E-08	2.53E-08	1.05E-08	1.16E-08	2.22E-08	1.27E-09	1.88E-09	3.16E-09	1.11E-09	1.16E-09	2.27E-09
1114	567401.38	4216766.37	1.23E-08	1.33E-08	2.55E-08	1.07E-08	1.17E-08	2.24E-08	1.29E-09	1.90E-09	3.19E-09	1.12E-09	1.17E-09	2.29E-09
1115	567411.2	4216782.05	1.25E-08	1.34E-08	2.59E-08	1.08E-08	1.19E-08	2.27E-08	1.31E-09	1.93E-09	3.23E-09	1.14E-09	1.19E-09	2.33E-09
1116	567416.12	4216789.89	1.25E-08	1.35E-08	2.60E-08	1.09E-08	1.19E-08	2.28E-08	1.31E-09	1.94E-09	3.25E-09	1.14E-09	1.19E-09	2.33E-09
1117	567425.94	4216805.57	1.25E-08	1.35E-08	2.61E-08	1.09E-08	1.20E-08	2.29E-08	1.32E-09	1.94E-09	3.26E-09	1.15E-09	1.20E-09	2.34E-09
1118	567445.59	4216836.93	1.25E-08	1.35E-08	2.60E-08	1.08E-08	1.19E-08	2.28E-08	1.31E-09	1.94E-09	3.25E-09	1.14E-09	1.19E-09	2.33E-09
1119	567450.5	4216844.78	1.25E-08	1.35E-08	2.60E-08	1.08E-08	1.19E-08	2.28E-08	1.31E-09	1.93E-09	3.24E-09	1.14E-09	1.19E-09	2.33E-09
1120	567460.32	4216860.46	1.25E-08	1.35E-08	2.60E-08	1.08E-08	1.19E-08	2.28E-08	1.31E-09	1.93E-09	3.24E-09	1.14E-09	1.19E-09	2.33E-09
1121	567462.99	4216877.27	1.30E-08	1.40E-08	2.69E-08	1.12E-08	1.24E-08	2.36E-08	1.36E-09	2.01E-09	3.37E-09	1.18E-09	1.24E-09	2.42E-09
1122	567460.75	4216886.25	1.35E-08	1.45E-08	2.80E-08	1.17E-08	1.28E-08	2.45E-08	1.41E-09	2.08E-09	3.49E-09	1.23E-09	1.28E-09	2.51E-09
1123	567451.78	4216922.16	1.59E-08	1.71E-08	3.30E-08	1.38E-08	1.52E-08	2.89E-08	1.66E-09	2.46E-09	4.12E-09	1.45E-09	1.51E-09	2.96E-09
1124	567449.54	4216931.13	1.66E-08	1.79E-08	3.45E-08	1.44E-08	1.58E-08	3.02E-08	1.74E-09	2.57E-09	4.31E-09	1.52E-09	1.58E-09	3.10E-09
1125	567447.3	4216940.11	1.73E-08	1.87E-08	3.60E-08	1.50E-08	1.66E-08	3.16E-08	1.82E-09	2.68E-09	4.50E-09	1.58E-09	1.65E-09	3.24E-09
1126	567445.05	4216949.09	1.81E-08	1.95E-08	3.76E-08	1.57E-08	1.73E-08	3.30E-08	1.90E-09	2.80E-09	4.70E-09	1.65E-09	1.72E-09	3.38E-09
1127	567442.81	4216958.06	1.89E-08	2.04E-08	3.93E-08	1.64E-08	1.80E-08	3.44E-08	1.98E-09	2.92E-09	4.90E-09	1.73E-09	1.80E-09	3.53E-09
1128	567440.57	4216967.04	1.97E-08	2.13E-08	4.10E-08	1.71E-08	1.88E-08	3.59E-08	2.07E-09	3.05E-09	5.12E-09	1.80E-09	1.88E-09	3.68E-09
1129	567438.33	4216976.02	2.06E-08	2.23E-08	4.29E-08	1.79E-08	1.97E-08	3.76E-08	2.17E-09	3.20E-09	5.36E-09	1.89E-09	1.97E-09	3.85E-09
1130	567436.09	4216984.99	2.16E-08	2.33E-08	4.49E-08	1.88E-08	2.06E-08	3.94E-08	2.27E-09	3.35E-09	5.61E-09	1.97E-09	2.06E-09	4.03E-09
1131	567433.84	4216993.97	2.26E-08	2.44E-08	4.70E-08	1.96E-08	2.16E-08	4.12E-08	2.37E-09	3.50E-09	5.87E-09	2.07E-09	2.16E-09	4.22E-09
1132	567349.27	4216690.28	1.04E-08	1.12E-08	2.15E-08	8.99E-09	9.89E-09	1.89E-08	1.09E-09	1.60E-09	2.69E-09	9.46E-10	9.87E-10	1.93E-09

1133	567341.36	4216684.77	1.03E-08	1.11E-08	2.14E-08	8.91E-09	9.81E-09	1.87E-08	1.08E-09	1.59E-09	2.67E-09	9.38E-10	9.79E-10	1.92E-09
1134	567333.45	4216679.25	1.02E-08	1.10E-08	2.11E-08	8.82E-09	9.71E-09	1.85E-08	1.07E-09	1.57E-09	2.64E-09	9.29E-10	9.69E-10	1.90E-09
1135	567325.55	4216673.74	1.01E-08	1.09E-08	2.09E-08	8.73E-09	9.61E-09	1.83E-08	1.06E-09	1.56E-09	2.61E-09	9.19E-10	9.59E-10	1.88E-09
1136	567293.92	4216651.68	9.34E-09	1.01E-08	1.94E-08	8.10E-09	8.92E-09	1.70E-08	9.80E-10	1.45E-09	2.43E-09	8.53E-10	8.90E-10	1.74E-09
1137	567286.01	4216646.17	9.13E-09	9.86E-09	1.90E-08	7.92E-09	8.72E-09	1.66E-08	9.58E-10	1.41E-09	2.37E-09	8.34E-10	8.70E-10	1.70E-09
1138	567278.1	4216640.65	8.91E-09	9.62E-09	1.85E-08	7.73E-09	8.51E-09	1.62E-08	9.35E-10	1.38E-09	2.31E-09	8.14E-10	8.50E-10	1.66E-09
1139	567270.2	4216635.14	8.69E-09	9.38E-09	1.81E-08	7.54E-09	8.30E-09	1.58E-08	9.12E-10	1.35E-09	2.26E-09	7.94E-10	8.28E-10	1.62E-09
1140	567262.29	4216629.63	8.47E-09	9.14E-09	1.76E-08	7.35E-09	8.09E-09	1.54E-08	8.89E-10	1.31E-09	2.20E-09	7.74E-10	8.07E-10	1.58E-09
1141	567254.38	4216624.11	8.26E-09	8.91E-09	1.72E-08	7.16E-09	7.89E-09	1.51E-08	8.66E-10	1.28E-09	2.14E-09	7.54E-10	7.87E-10	1.54E-09
1142	567246.48	4216618.6	8.04E-09	8.68E-09	1.67E-08	6.98E-09	7.68E-09	1.47E-08	8.44E-10	1.24E-09	2.09E-09	7.35E-10	7.67E-10	1.50E-09
1143	567368	4216695.74	1.01E-08	1.09E-08	2.10E-08	8.77E-09	9.65E-09	1.84E-08	1.06E-09	1.56E-09	2.62E-09	9.23E-10	9.63E-10	1.89E-09
1144	567373.1	4216703.88	1.03E-08	1.12E-08	2.15E-08	8.96E-09	9.87E-09	1.88E-08	1.08E-09	1.60E-09	2.68E-09	9.44E-10	9.85E-10	1.93E-09
1145	567378.2	4216712.02	1.05E-08	1.14E-08	2.19E-08	9.15E-09	1.01E-08	1.92E-08	1.11E-09	1.63E-09	2.74E-09	9.63E-10	1.01E-09	1.97E-09
1146	567383.3	4216720.17	1.08E-08	1.17E-08	2.25E-08	9.41E-09	1.04E-08	1.98E-08	1.14E-09	1.68E-09	2.82E-09	9.91E-10	1.03E-09	2.02E-09
1147	567388.4	4216728.31	1.10E-08	1.19E-08	2.30E-08	9.59E-09	1.06E-08	2.01E-08	1.16E-09	1.71E-09	2.87E-09	1.01E-09	1.05E-09	2.06E-09
1148	567398.6	4216744.59	1.14E-08	1.23E-08	2.37E-08	9.89E-09	1.09E-08	2.08E-08	1.20E-09	1.76E-09	2.96E-09	1.04E-09	1.09E-09	2.13E-09
1149	567403.7	4216752.74	1.15E-08	1.25E-08	2.40E-08	1.00E-08	1.10E-08	2.10E-08	1.21E-09	1.79E-09	3.00E-09	1.05E-09	1.10E-09	2.15E-09
1150	567408.8	4216760.88	1.16E-08	1.26E-08	2.42E-08	1.01E-08	1.11E-08	2.12E-08	1.22E-09	1.80E-09	3.02E-09	1.06E-09	1.11E-09	2.17E-09
1151	567413.9	4216769.02	1.17E-08	1.27E-08	2.44E-08	1.02E-08	1.12E-08	2.14E-08	1.23E-09	1.82E-09	3.05E-09	1.07E-09	1.12E-09	2.19E-09
1152	567419	4216777.16	1.18E-08	1.28E-08	2.46E-08	1.03E-08	1.13E-08	2.16E-08	1.24E-09	1.83E-09	3.07E-09	1.08E-09	1.13E-09	2.21E-09
1153	567424.1	4216785.31	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.14E-08	2.17E-08	1.25E-09	1.84E-09	3.09E-09	1.09E-09	1.13E-09	2.22E-09
1154	567429.2	4216793.45	1.19E-08	1.29E-08	2.48E-08	1.03E-08	1.14E-08	2.17E-08	1.25E-09	1.84E-09	3.10E-09	1.09E-09	1.14E-09	2.22E-09
1155	567434.31	4216801.59	1.19E-08	1.29E-08	2.48E-08	1.03E-08	1.14E-08	2.17E-08	1.25E-09	1.85E-09	3.10E-09	1.09E-09	1.14E-09	2.23E-09
1156	567449.61	4216826.02	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.14E-08	2.17E-08	1.25E-09	1.84E-09	3.09E-09	1.09E-09	1.13E-09	2.22E-09
1157	567454.71	4216834.16	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.14E-08	2.17E-08	1.25E-09	1.84E-09	3.09E-09	1.09E-09	1.13E-09	2.22E-09
1158	567459.81	4216842.3	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.13E-08	2.17E-08	1.25E-09	1.84E-09	3.08E-09	1.08E-09	1.13E-09	2.22E-09
1159	567464.91	4216850.45	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.13E-08	2.16E-08	1.24E-09	1.84E-09	3.08E-09	1.08E-09	1.13E-09	2.22E-09
1160	567470.01	4216858.59	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.13E-08	2.16E-08	1.24E-09	1.84E-09	3.08E-09	1.08E-09	1.13E-09	2.21E-09
1161	567472.78	4216876.05	1.23E-08	1.33E-08	2.56E-08	1.07E-08	1.18E-08	2.24E-08	1.29E-09	1.90E-09	3.20E-09	1.12E-09	1.17E-09	2.30E-09
1162	567470.45	4216885.37	1.28E-08	1.38E-08	2.65E-08	1.11E-08	1.22E-08	2.33E-08	1.34E-09	1.98E-09	3.31E-09	1.17E-09	1.22E-09	2.38E-09
1163	567468.13	4216894.7	1.33E-08	1.43E-08	2.76E-08	1.15E-08	1.27E-08	2.42E-08	1.39E-09	2.05E-09	3.44E-09	1.21E-09	1.26E-09	2.47E-09
1164	567465.8	4216904.02	1.38E-08	1.49E-08	2.87E-08	1.20E-08	1.32E-08	2.51E-08	1.45E-09	2.13E-09	3.58E-09	1.26E-09	1.31E-09	2.57E-09
1165	567458.81	4216931.98	1.57E-08	1.70E-08	3.27E-08	1.36E-08	1.50E-08	2.87E-08	1.65E-09	2.43E-09	4.08E-09	1.44E-09	1.50E-09	2.93E-09
1166	567456.48	4216941.3	1.64E-08	1.77E-08	3.42E-08	1.43E-08	1.57E-08	2.99E-08	1.72E-09	2.54E-09	4.27E-09	1.50E-09	1.57E-09	3.07E-09
1167	567454.16	4216950.63	1.72E-08	1.85E-08	3.57E-08	1.49E-08	1.64E-08	3.13E-08	1.80E-09	2.66E-09	4.46E-09	1.57E-09	1.64E-09	3.20E-09
1168	567451.83	4216959.95	1.79E-08	1.94E-08	3.73E-08	1.56E-08	1.71E-08	3.27E-08	1.88E-09	2.78E-09	4.66E-09	1.64E-09	1.71E-09	3.35E-09
1169	567449.5	4216969.27	1.87E-08	2.02E-08	3.90E-08	1.63E-08	1.79E-08	3.41E-08	1.96E-09	2.90E-09	4.86E-09	1.71E-09	1.79E-09	3.50E-09
1170	567447.17	4216978.59	1.96E-08	2.12E-08	4.08E-08	1.70E-08	1.87E-08	3.58E-08	2.06E-09	3.04E-09	5.09E-09	1.79E-09	1.87E-09	3.66E-09
1171	567444.84	4216987.91	2.05E-08	2.22E-08	4.27E-08	1.78E-08	1.96E-08	3.74E-08	2.15E-09	3.18E-09	5.33E-09	1.88E-09	1.96E-09	3.83E-09
1172	567362.9	4216687.6	9.86E-09	1.06E-08	2.05E-08	8.55E-09	9.42E-09	1.80E-08	1.03E-09	1.53E-09	2.56E-09	9.00E-10	9.40E-10	1.84E-09
1173	567354.99	4216682.08	9.79E-09	1.06E-08	2.04E-08	8.50E-09	9.35E-09	1.78E-08	1.03E-09	1.52E-09	2.54E-09	8.94E-10	9.33E-10	1.83E-09
1174	567347.08	4216676.57	9.71E-09	1.05E-08	2.02E-08	8.42E-09	9.27E-09	1.77E-08	1.02E-09	1.50E-09	2.52E-09	8.87E-10	9.25E-10	1.81E-09
1175	567339.17	4216671.05	9.62E-09	1.04E-08	2.00E-08	8.34E-09	9.19E-09	1.75E-08	1.01E-09	1.49E-09	2.50E-09	8.78E-10	9.17E-10	1.79E-09
1176	567307.55	4216649	9.04E-09	9.76E-09	1.88E-08	7.85E-09	8.64E-09	1.65E-08	9.49E-10	1.40E-09	2.35E-09	8.26E-10	8.62E-10	1.69E-09
1177	567299.64	4216643.48	8.86E-09	9.56E-09	1.84E-08	7.69E-09	8.46E-09	1.61E-08	9.29E-10	1.37E-09	2.30E-09	8.09E-10	8.44E-10	1.65E-09
1178	567291.73	4216637.97	8.67E-09	9.36E-09	1.80E-08	7.52E-09	8.28E-09	1.58E-08	9.09E-10	1.34E-09	2.25E-09	7.92E-10	8.26E-10	1.62E-09
1179	567283.82	4216632.45	8.47E-09	9.14E-09	1.76E-08	7.35E-09	8.09E-09	1.54E-08	8.88E-10	1.31E-09	2.20E-09	7.74E-10	8.07E-10	1.58E-09
1180	567275.92	4216626.94	8.27E-09	8.92E-09	1.72E-08	7.17E-09	7.90E-09	1.51E-08	8.67E-10	1.28E-09	2.15E-09	7.55E-10	7.88E-10	1.54E-09
1181	567268.01	4216621.42	8.06E-09	8.70E-09	1.68E-08	7.00E-09	7.70E-09	1.47E-08	8.46E-10	1.25E-09	2.09E-09	7.37E-10	7.69E-10	1.51E-09
1182	567260.1	4216615.91	7.86E-09	8.49E-09	1.64E-08	6.82E-09	7.51E-09	1.43E-08	8.25E-10	1.22E-09	2.04E-09	7.18E-10	7.50E-10	1.47E-09
1183	567252.2	4216610.4	7.67E-09	8.28E-09	1.59E-08	6.65E-09	7.32E-09	1.40E-08	8.04E-10	1.19E-09	1.99E-09	7.00E-10	7.31E-10	1.43E-09
1184	567373.68	4216687.47	9.57E-09	1.03E-08	1.99E-08	8.30E-09	9.14E-09	1.74E-08	1.00E-09	1.48E-09	2.49E-09	8.74E-10	9.12E-10	1.79E-09
1185	567378.73	4216695.55	9.79E-09	1.06E-08	2.04E-08	8.49E-09	9.35E-09	1.78E-08	1.03E-09	1.51E-09	2.54E-09	8.94E-10	9.33E-10	1.83E-09
1186	567383.79	4216703.62	9.99E-09	1.08E-08	2.08E-08	8.67E-09	9.54E-09	1.82E-08	1.05E-09	1.55E-09	2.59E-09	9.12E-10	9.52E-10	1.86E-09
1187	567388.85	4216711.7	1.02E-08	1.10E-08	2.12E-08	8.84E-09	9.74E-09	1.86E-08	1.07E-09	1.58E-09	2.65E-09	9.31E-10	9.71E-10	1.90E-09
1188	567393.91	4216719.78	1.05E-08	1.13E-08	2.18E-08	9.08E-09	1.00E-08	1.91E-08	1.10E-09	1.62E-09	2.72E-09	9.56E-10	9.98E-10	1.95E-09
1189	567398.97	4216727.85	1.06E-08	1.15E-08	2.21E-08	9.23E-09	1.02E-08	1.94E-08	1.12E-09	1.65E-09	2.76E-09	9.72E-10	1.01E-09	1.99E-09
1190	567409.09	4216744.01	1.09E-08	1.18E-08	2.27E-08	9.48E-09	1.04E-08	1.99E-08	1.15E-09	1.69E-09	2.84E-09	9.99E-10	1.04E-09	2.04E-09
1191	567414.15	4216752.09	1.10E-08	1.19E-08	2.29E-08	9.58E-09	1.05E-08	2.01E-08	1.16E-09	1.71E-09	2.87E-09	1.01E-09	1.05E-09	2.06E-09
1192	567419.21	4216760.16	1.11E-08	1.20E-08	2.31E-08	9.66E-09	1.06E-08	2.03E-08	1.17E-09	1.72E-09	2.89E-09	1.02E-09	1.06E-09	2.08E-09
1193	567424.27	4216768.24	1.12E-08	1.21E-08	2.33E-08	9.73E-09	1.07E-08	2.04E-08	1.18E-09	1.74E-09	2.91E-09	1.02E-09	1.07E-09	2.09E-09
1194	567429.33	4216776.32	1.13E-08	1.22E-08	2.35E-08	9.79E-09	1.08E-08	2.06E-08	1.18E-09	1.75E-09	2.93E-09	1.03E-09	1.08E-09	2.11E-09
1195	567434.39	4216784.39	1.13E-08	1.22E-08	2.36E-08	9.83E-09	1.08E-08	2.07E-08	1.19E-09	1.75E-09	2.94E-09	1.04E-09	1.08E-09	2.12E-09
1196	567439.45	4216792.47	1.14E-08	1.23E-08	2.36E-08	9.85E-09	1.08E-08	2.07E-08	1.19E-09	1.76E-09	2.95E-09	1.04E-09	1.08E-09	2.12E-09
1197	567444.51	4216800.55	1.13E-08	1.23E-08	2.36E-08	9.85E-09	1.08E-08	2.07E-08	1.19E-09	1.76E-09	2.95E-09	1.04E-09	1.08E-09	2.12E-09
1198	567459.69	4216824.78	1.13E-08	1.22E-08	2.36E-08	9.83E-09	1.08E-08	2.07E-08	1.19E-09	1.75E-09	2.94E-09	1.04E-09	1.08E-09	2.12E-09
1199	567464.75	4216832.85	1.13E-08	1.22E-08	2.35E-08	9.82E-09	1.08E-08	2.06E-08	1.19E-09	1.75E-09	2.94E-09	1.03E-09	1.08E-09	2.11E-09
1200	567469.81	4216840.93	1.13E-08	1.22E-08	2.35E-08	9.81E-09	1.08E-08	2.06E-08	1.19E-09	1.75E-09	2.94E-09	1.03E-09	1.08E-09	2.11E-09
1201	567474.87	4216849.01	1.13E-08	1.22E-08	2.35E-08	9.79E-09	1.08E-08	2.06E-08	1.18E-09	1.75E-09	2.93E-09	1.03E-09	1.08E-09	2.11E-09
1202	567479.93	4216857.09	1.13E-08	1.22E-08	2.34E-08	9.78E-09	1.08E-08	2.05E-08	1.18E-09	1.74E-09	2.93E-09	1.03E-09	1.07E-09	2.10E-09
1203	567482.68	4216874.41	1.17E-08	1.26E-08	2.42E-08	1.01E-08	1.11E-08	2.12E-08	1.22E-09	1.80E-09	3.03E-09	1.06E-09	1.11E-09	2.17E-09

1204	567480.37	4216883.66	1.21E-08	1.30E-08	2.51E-08	1.05E-08	1.15E-08	2.20E-08	1.27E-09	1.87E-09	3.14E-09	1.10E-09	1.15E-09	2.25E-09
1205	567478.06	4216892.9	1.25E-08	1.35E-08	2.60E-08	1.09E-08	1.20E-08	2.28E-08	1.31E-09	1.94E-09	3.25E-09	1.14E-09	1.19E-09	2.34E-09
1206	567475.75	4216902.15	1.30E-08	1.40E-08	2.70E-08	1.13E-08	1.24E-08	2.37E-08	1.36E-09	2.01E-09	3.37E-09	1.19E-09	1.24E-09	2.42E-09
1207	567468.82	4216929.89	1.47E-08	1.59E-08	3.06E-08	1.28E-08	1.40E-08	2.68E-08	1.54E-09	2.28E-09	3.82E-09	1.34E-09	1.40E-09	2.75E-09
1208	567466.51	4216939.14	1.54E-08	1.66E-08	3.19E-08	1.33E-08	1.47E-08	2.80E-08	1.61E-09	2.38E-09	3.99E-09	1.40E-09	1.46E-09	2.87E-09
1209	567464.2	4216948.38	1.60E-08	1.73E-08	3.33E-08	1.39E-08	1.53E-08	2.92E-08	1.68E-09	2.48E-09	4.16E-09	1.46E-09	1.53E-09	2.99E-09
1210	567461.89	4216957.63	1.67E-08	1.81E-08	3.48E-08	1.45E-08	1.60E-08	3.05E-08	1.75E-09	2.59E-09	4.34E-09	1.53E-09	1.59E-09	3.12E-09
1211	567459.58	4216966.88	1.75E-08	1.89E-08	3.63E-08	1.52E-08	1.67E-08	3.18E-08	1.83E-09	2.70E-09	4.53E-09	1.60E-09	1.66E-09	3.26E-09
1212	567457.27	4216976.12	1.83E-08	1.97E-08	3.80E-08	1.58E-08	1.74E-08	3.33E-08	1.92E-09	2.83E-09	4.74E-09	1.67E-09	1.74E-09	3.41E-09
1213	567454.96	4216985.37	1.91E-08	2.06E-08	3.97E-08	1.66E-08	1.82E-08	3.48E-08	2.00E-09	2.96E-09	4.96E-09	1.74E-09	1.82E-09	3.56E-09
1214	567452.65	4216994.62	2.00E-08	2.15E-08	4.15E-08	1.73E-08	1.91E-08	3.64E-08	2.09E-09	3.09E-09	5.18E-09	1.82E-09	1.90E-09	3.73E-09
1215	567368.62	4216679.39	9.34E-09	1.01E-08	1.94E-08	8.10E-09	8.92E-09	1.70E-08	9.80E-10	1.45E-09	2.43E-09	8.53E-10	8.90E-10	1.74E-09
1216	567360.71	4216673.88	9.28E-09	1.00E-08	1.93E-08	8.05E-09	8.86E-09	1.69E-08	9.73E-10	1.44E-09	2.41E-09	8.47E-10	8.84E-10	1.73E-09
1217	567352.8	4216668.36	9.19E-09	9.92E-09	1.91E-08	7.98E-09	8.78E-09	1.68E-08	9.64E-10	1.42E-09	2.39E-09	8.40E-10	8.76E-10	1.72E-09
1218	567321.17	4216646.31	8.75E-09	9.44E-09	1.82E-08	7.59E-09	8.36E-09	1.59E-08	9.18E-10	1.35E-09	2.27E-09	7.99E-10	8.34E-10	1.63E-09
1219	567313.27	4216640.79	8.59E-09	9.27E-09	1.79E-08	7.45E-09	8.20E-09	1.57E-08	9.01E-10	1.33E-09	2.23E-09	7.85E-10	8.19E-10	1.60E-09
1220	567305.36	4216635.28	8.42E-09	9.09E-09	1.75E-08	7.30E-09	8.04E-09	1.53E-08	8.83E-10	1.30E-09	2.19E-09	7.69E-10	8.02E-10	1.57E-09
1221	567297.45	4216629.76	8.24E-09	8.90E-09	1.71E-08	7.15E-09	7.87E-09	1.50E-08	8.64E-10	1.28E-09	2.14E-09	7.53E-10	7.85E-10	1.54E-09
1222	567289.54	4216624.25	8.06E-09	8.70E-09	1.68E-08	6.99E-09	7.70E-09	1.47E-08	8.45E-10	1.25E-09	2.09E-09	7.36E-10	7.68E-10	1.50E-09
1223	567281.64	4216618.74	7.87E-09	8.50E-09	1.64E-08	6.83E-09	7.52E-09	1.44E-08	8.26E-10	1.22E-09	2.04E-09	7.19E-10	7.50E-10	1.47E-09
1224	567273.73	4216613.22	7.69E-09	8.30E-09	1.60E-08	6.67E-09	7.34E-09	1.40E-08	8.06E-10	1.19E-09	2.00E-09	7.02E-10	7.33E-10	1.43E-09
1225	567265.82	4216607.71	7.50E-09	8.10E-09	1.56E-08	6.51E-09	7.17E-09	1.37E-08	7.87E-10	1.16E-09	1.95E-09	6.85E-10	7.15E-10	1.40E-09
1226	567257.92	4216602.19	7.32E-09	7.90E-09	1.52E-08	6.35E-09	6.99E-09	1.33E-08	7.68E-10	1.13E-09	1.90E-09	6.68E-10	6.97E-10	1.37E-09
1227	567379.36	4216679.21	9.08E-09	9.81E-09	1.89E-08	7.88E-09	8.68E-09	1.66E-08	9.53E-10	1.41E-09	2.36E-09	8.30E-10	8.66E-10	1.70E-09
1228	567384.38	4216687.22	9.29E-09	1.00E-08	1.93E-08	8.06E-09	8.87E-09	1.69E-08	9.74E-10	1.44E-09	2.41E-09	8.48E-10	8.85E-10	1.73E-09
1229	567389.4	4216695.24	9.49E-09	1.02E-08	1.97E-08	8.23E-09	9.06E-09	1.73E-08	9.95E-10	1.47E-09	2.46E-09	8.67E-10	9.04E-10	1.77E-09
1230	567394.42	4216703.26	9.68E-09	1.04E-08	2.01E-08	8.40E-09	9.24E-09	1.76E-08	1.02E-09	1.50E-09	2.51E-09	8.84E-10	9.22E-10	1.81E-09
1231	567399.45	4216711.27	9.86E-09	1.06E-08	2.05E-08	8.55E-09	9.41E-09	1.80E-08	1.03E-09	1.53E-09	2.56E-09	9.00E-10	9.39E-10	1.84E-09
1232	567404.47	4216719.29	1.01E-08	1.09E-08	2.10E-08	8.77E-09	9.65E-09	1.84E-08	1.06E-09	1.56E-09	2.62E-09	9.23E-10	9.63E-10	1.89E-09
1233	567409.49	4216727.31	1.03E-08	1.11E-08	2.13E-08	8.90E-09	9.79E-09	1.87E-08	1.08E-09	1.59E-09	2.66E-09	9.37E-10	9.77E-10	1.91E-09
1234	567419.53	4216743.34	1.05E-08	1.13E-08	2.18E-08	9.10E-09	1.00E-08	1.91E-08	1.10E-09	1.62E-09	2.72E-09	9.58E-10	9.99E-10	1.96E-09
1235	567424.56	4216751.36	1.06E-08	1.14E-08	2.20E-08	9.17E-09	1.01E-08	1.93E-08	1.11E-09	1.64E-09	2.75E-09	9.66E-10	1.01E-09	1.97E-09
1236	567429.58	4216759.38	1.07E-08	1.15E-08	2.22E-08	9.24E-09	1.02E-08	1.94E-08	1.12E-09	1.65E-09	2.77E-09	9.73E-10	1.02E-09	1.99E-09
1237	567434.6	4216767.39	1.07E-08	1.16E-08	2.23E-08	9.30E-09	1.02E-08	1.95E-08	1.12E-09	1.66E-09	2.78E-09	9.79E-10	1.02E-09	2.00E-09
1238	567439.62	4216775.41	1.08E-08	1.16E-08	2.24E-08	9.35E-09	1.03E-08	1.96E-08	1.13E-09	1.67E-09	2.80E-09	9.84E-10	1.03E-09	2.01E-09
1239	567444.64	4216783.43	1.08E-08	1.17E-08	2.25E-08	9.38E-09	1.03E-08	1.97E-08	1.13E-09	1.67E-09	2.81E-09	9.87E-10	1.03E-09	2.02E-09
1240	567449.67	4216791.44	1.08E-08	1.17E-08	2.25E-08	9.39E-09	1.03E-08	1.97E-08	1.14E-09	1.68E-09	2.81E-09	9.89E-10	1.03E-09	2.02E-09
1241	567454.69	4216799.46	1.08E-08	1.17E-08	2.25E-08	9.39E-09	1.03E-08	1.97E-08	1.14E-09	1.68E-09	2.81E-09	9.89E-10	1.03E-09	2.02E-09
1242	567464.73	4216815.49	1.08E-08	1.17E-08	2.25E-08	9.38E-09	1.03E-08	1.97E-08	1.13E-09	1.67E-09	2.81E-09	9.88E-10	1.03E-09	2.02E-09
1243	567469.75	4216823.51	1.08E-08	1.17E-08	2.25E-08	9.38E-09	1.03E-08	1.97E-08	1.13E-09	1.67E-09	2.81E-09	9.87E-10	1.03E-09	2.02E-09
1244	567474.78	4216831.53	1.08E-08	1.17E-08	2.24E-08	9.37E-09	1.03E-08	1.97E-08	1.13E-09	1.67E-09	2.80E-09	9.86E-10	1.03E-09	2.02E-09
1245	567479.8	4216839.54	1.08E-08	1.16E-08	2.24E-08	9.35E-09	1.03E-08	1.96E-08	1.13E-09	1.67E-09	2.80E-09	9.84E-10	1.03E-09	2.01E-09
1246	567484.82	4216847.56	1.08E-08	1.16E-08	2.24E-08	9.33E-09	1.03E-08	1.96E-08	1.13E-09	1.66E-09	2.79E-09	9.82E-10	1.02E-09	2.01E-09
1247	567489.84	4216855.58	1.07E-08	1.16E-08	2.23E-08	9.31E-09	1.02E-08	1.96E-08	1.13E-09	1.66E-09	2.79E-09	9.80E-10	1.02E-09	2.00E-09
1248	567492.57	4216872.77	1.11E-08	1.19E-08	2.30E-08	9.59E-09	1.06E-08	2.01E-08	1.16E-09	1.71E-09	2.87E-09	1.01E-09	1.05E-09	2.06E-09
1249	567490.28	4216881.95	1.14E-08	1.24E-08	2.38E-08	9.93E-09	1.09E-08	2.09E-08	1.20E-09	1.77E-09	2.97E-09	1.05E-09	1.09E-09	2.14E-09
1250	567487.99	4216891.13	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.13E-08	2.16E-08	1.24E-09	1.84E-09	3.08E-09	1.08E-09	1.13E-09	2.21E-09
1251	567485.69	4216900.31	1.23E-08	1.33E-08	2.56E-08	1.07E-08	1.17E-08	2.24E-08	1.29E-09	1.90E-09	3.19E-09	1.12E-09	1.17E-09	2.30E-09
1252	567483.4	4216909.48	1.28E-08	1.38E-08	2.65E-08	1.11E-08	1.22E-08	2.33E-08	1.34E-09	1.98E-09	3.31E-09	1.17E-09	1.22E-09	2.38E-09
1253	567476.52	4216937.02	1.44E-08	1.55E-08	2.99E-08	1.25E-08	1.38E-08	2.62E-08	1.51E-09	2.23E-09	3.74E-09	1.32E-09	1.37E-09	2.69E-09
1254	567474.23	4216946.2	1.50E-08	1.62E-08	3.12E-08	1.30E-08	1.43E-08	2.73E-08	1.57E-09	2.32E-09	3.89E-09	1.37E-09	1.43E-09	2.80E-09
1255	567471.94	4216955.37	1.56E-08	1.69E-08	3.25E-08	1.36E-08	1.49E-08	2.85E-08	1.64E-09	2.42E-09	4.06E-09	1.43E-09	1.49E-09	2.92E-09
1256	567469.65	4216964.55	1.63E-08	1.76E-08	3.39E-08	1.41E-08	1.56E-08	2.97E-08	1.71E-09	2.52E-09	4.23E-09	1.49E-09	1.55E-09	3.04E-09
1257	567467.35	4216973.73	1.70E-08	1.84E-08	3.54E-08	1.48E-08	1.63E-08	3.10E-08	1.79E-09	2.63E-09	4.42E-09	1.55E-09	1.62E-09	3.18E-09
1258	567465.06	4216982.91	1.78E-08	1.92E-08	3.70E-08	1.54E-08	1.70E-08	3.24E-08	1.86E-09	2.75E-09	4.62E-09	1.62E-09	1.69E-09	3.32E-09
1259	567462.77	4216992.09	1.86E-08	2.00E-08	3.86E-08	1.61E-08	1.77E-08	3.38E-08	1.95E-09	2.87E-09	4.82E-09	1.70E-09	1.77E-09	3.46E-09
1260	567460.48	4217001.26	1.94E-08	2.09E-08	4.03E-08	1.68E-08	1.85E-08	3.53E-08	2.03E-09	3.00E-09	5.03E-09	1.77E-09	1.85E-09	3.61E-09
1261	567374.34	4216671.19	8.87E-09	9.58E-09	1.84E-08	7.70E-09	8.47E-09	1.62E-08	9.31E-10	1.37E-09	2.30E-09	8.10E-10	8.46E-10	1.66E-09
1262	567366.43	4216665.68	8.81E-09	9.51E-09	1.83E-08	7.64E-09	8.41E-09	1.61E-08	9.24E-10	1.36E-09	2.29E-09	8.05E-10	8.39E-10	1.64E-09
1263	567334.8	4216643.62	8.43E-09	9.10E-09	1.75E-08	7.32E-09	8.05E-09	1.54E-08	8.84E-10	1.31E-09	2.19E-09	7.70E-10	8.04E-10	1.57E-09
1264	567326.89	4216638.1	8.32E-09	8.98E-09	1.73E-08	7.22E-09	7.94E-09	1.52E-08	8.72E-10	1.29E-09	2.16E-09	7.60E-10	7.93E-10	1.55E-09
1265	567318.99	4216632.59	8.17E-09	8.82E-09	1.70E-08	7.09E-09	7.80E-09	1.49E-08	8.57E-10	1.26E-09	2.12E-09	7.46E-10	7.79E-10	1.52E-09
1266	567311.08	4216627.08	8.01E-09	8.65E-09	1.67E-08	6.95E-09	7.65E-09	1.46E-08	8.40E-10	1.24E-09	2.08E-09	7.32E-10	7.64E-10	1.50E-09
1267	567303.17	4216621.56	7.85E-09	8.47E-09	1.63E-08	6.81E-09	7.50E-09	1.43E-08	8.23E-10	1.21E-09	2.04E-09	7.17E-10	7.48E-10	1.46E-09
1268	567295.26	4216616.05	7.68E-09	8.29E-09	1.60E-08	6.66E-09	7.33E-09	1.40E-08	8.05E-10	1.19E-09	1.99E-09	7.01E-10	7.32E-10	1.43E-09
1269	567287.36	4216610.53	7.51E-09	8.10E-09	1.56E-08	6.51E-09	7.17E-09	1.37E-08	7.87E-10	1.16E-09	1.95E-09	6.86E-10	7.16E-10	1.40E-09
1270	567279.45	4216605.02	7.34E-09	7.92E-09	1.53E-08	6.36E-09	7.01E-09	1.34E-08	7.69E-10	1.14E-09	1.90E-09	6.70E-10	6.99E-10	1.37E-09
1271	567271.54	4216599.5	7.16E-09	7.73E-09	1.49E-08	6.22E-09	6.84E-09	1.31E-08	7.51E-10	1.11E-09	1.86E-09	6.54E-10	6.83E-10	1.34E-09
1272	567263.64	4216593.99	6.99E-09	7.55E-09	1.45E-08	6.07E-09	6.68E-09	1.27E-08	7.33E-10	1.08E-09	1.82E-09	6.39E-10	6.66E-10	1.31E-09
1273	567385.04	4216670.95	8.64E-09	9.33E-09	1.80E-08	7.50E-09	8.25E-09	1.57E-08	9.06E-10	1.34E-09	2.24E-09	7.89E-10	8.23E-10	1.61E-09
1274	567390.03	4216678.91	8.83E-09	9.53E-09	1.84E-08	7.66E-09	8.44E-09	1.61E-08	9.26E-10	1.37E-09	2.29E-09	8.07E-10	8.42E-10	1.65E-09

1275	567395.02	4216686.87	9.02E-09	9.74E-09	1.88E-08	7.83E-09	8.62E-09	1.64E-08	9.46E-10	1.40E-09	2.34E-09	8.24E-10	8.60E-10	1.68E-09
1276	567400.01	4216694.83	9.20E-09	9.93E-09	1.91E-08	7.98E-09	8.79E-09	1.68E-08	9.65E-10	1.42E-09	2.39E-09	8.40E-10	8.77E-10	1.72E-09
1277	567404.99	4216702.8	9.37E-09	1.01E-08	1.95E-08	8.13E-09	8.95E-09	1.71E-08	9.83E-10	1.45E-09	2.43E-09	8.56E-10	8.93E-10	1.75E-09
1278	567409.98	4216710.76	9.53E-09	1.03E-08	1.98E-08	8.27E-09	9.10E-09	1.74E-08	9.99E-10	1.47E-09	2.47E-09	8.70E-10	9.08E-10	1.78E-09
1279	567429.93	4216742.6	1.01E-08	1.09E-08	2.09E-08	8.73E-09	9.61E-09	1.83E-08	1.06E-09	1.56E-09	2.61E-09	9.19E-10	9.59E-10	1.88E-09
1280	567434.92	4216750.57	1.01E-08	1.09E-08	2.11E-08	8.79E-09	9.68E-09	1.85E-08	1.06E-09	1.57E-09	2.63E-09	9.26E-10	9.66E-10	1.89E-09
1281	567439.9	4216758.53	1.02E-08	1.10E-08	2.12E-08	8.85E-09	9.74E-09	1.86E-08	1.07E-09	1.58E-09	2.65E-09	9.32E-10	9.72E-10	1.90E-09
1282	567444.89	4216766.49	1.03E-08	1.11E-08	2.13E-08	8.90E-09	9.80E-09	1.87E-08	1.08E-09	1.59E-09	2.66E-09	9.37E-10	9.78E-10	1.91E-09
1283	567449.88	4216774.45	1.03E-08	1.11E-08	2.14E-08	8.93E-09	9.84E-09	1.88E-08	1.08E-09	1.59E-09	2.67E-09	9.41E-10	9.82E-10	1.92E-09
1284	567454.87	4216782.41	1.03E-08	1.11E-08	2.15E-08	8.96E-09	9.86E-09	1.88E-08	1.08E-09	1.60E-09	2.68E-09	9.43E-10	9.84E-10	1.93E-09
1285	567459.85	4216790.37	1.03E-08	1.12E-08	2.15E-08	8.96E-09	9.87E-09	1.88E-08	1.08E-09	1.60E-09	2.68E-09	9.44E-10	9.85E-10	1.93E-09
1286	567464.84	4216798.33	1.03E-08	1.12E-08	2.15E-08	8.97E-09	9.87E-09	1.88E-08	1.08E-09	1.60E-09	2.68E-09	9.44E-10	9.85E-10	1.93E-09
1287	567474.82	4216814.26	1.03E-08	1.11E-08	2.15E-08	8.96E-09	9.86E-09	1.88E-08	1.08E-09	1.60E-09	2.68E-09	9.43E-10	9.84E-10	1.93E-09
1288	567479.8	4216822.22	1.03E-08	1.11E-08	2.15E-08	8.95E-09	9.86E-09	1.88E-08	1.08E-09	1.60E-09	2.68E-09	9.42E-10	9.84E-10	1.93E-09
1289	567484.79	4216830.18	1.03E-08	1.11E-08	2.14E-08	8.94E-09	9.84E-09	1.88E-08	1.08E-09	1.59E-09	2.68E-09	9.41E-10	9.82E-10	1.92E-09
1290	567489.78	4216838.14	1.03E-08	1.11E-08	2.14E-08	8.92E-09	9.82E-09	1.87E-08	1.08E-09	1.59E-09	2.67E-09	9.39E-10	9.80E-10	1.92E-09
1291	567494.77	4216846.1	1.03E-08	1.11E-08	2.13E-08	8.89E-09	9.79E-09	1.87E-08	1.08E-09	1.59E-09	2.66E-09	9.36E-10	9.77E-10	1.91E-09
1292	567493.36	4216907.6	1.21E-08	1.30E-08	2.51E-08	1.05E-08	1.15E-08	2.20E-08	1.27E-09	1.87E-09	3.13E-09	1.10E-09	1.15E-09	2.25E-09
1293	567484.25	4216944.06	1.41E-08	1.52E-08	2.93E-08	1.22E-08	1.35E-08	2.57E-08	1.48E-09	2.18E-09	3.66E-09	1.29E-09	1.34E-09	2.63E-09
1294	567481.97	4216953.17	1.47E-08	1.58E-08	3.05E-08	1.27E-08	1.40E-08	2.67E-08	1.54E-09	2.27E-09	3.81E-09	1.34E-09	1.40E-09	2.74E-09
1295	567479.7	4216962.29	1.53E-08	1.65E-08	3.18E-08	1.33E-08	1.46E-08	2.79E-08	1.60E-09	2.37E-09	3.97E-09	1.40E-09	1.46E-09	2.85E-09
1296	567477.42	4216971.4	1.59E-08	1.72E-08	3.31E-08	1.38E-08	1.52E-08	2.90E-08	1.67E-09	2.46E-09	4.13E-09	1.45E-09	1.52E-09	2.97E-09
1297	567475.14	4216980.52	1.66E-08	1.79E-08	3.45E-08	1.44E-08	1.59E-08	3.02E-08	1.74E-09	2.57E-09	4.31E-09	1.52E-09	1.58E-09	3.10E-09
1298	567472.87	4216989.63	1.73E-08	1.87E-08	3.60E-08	1.50E-08	1.65E-08	3.15E-08	1.81E-09	2.68E-09	4.49E-09	1.58E-09	1.65E-09	3.23E-09
1299	567470.59	4216998.75	1.80E-08	1.95E-08	3.75E-08	1.57E-08	1.72E-08	3.29E-08	1.89E-09	2.79E-09	4.68E-09	1.65E-09	1.72E-09	3.37E-09
1300	567380.06	4216662.99	8.44E-09	9.11E-09	1.75E-08	7.32E-09	8.06E-09	1.54E-08	8.85E-10	1.31E-09	2.19E-09	7.71E-10	8.04E-10	1.58E-09
1301	567340.52	4216635.42	8.01E-09	8.65E-09	1.67E-08	6.95E-09	7.65E-09	1.46E-08	8.40E-10	1.24E-09	2.08E-09	7.32E-10	7.64E-10	1.50E-09
1302	567332.61	4216629.9	7.92E-09	8.54E-09	1.65E-08	6.87E-09	7.56E-09	1.44E-08	8.30E-10	1.23E-09	2.06E-09	7.23E-10	7.55E-10	1.48E-09
1303	567324.71	4216624.39	7.78E-09	8.40E-09	1.62E-08	6.75E-09	7.43E-09	1.42E-08	8.16E-10	1.20E-09	2.02E-09	7.11E-10	7.42E-10	1.45E-09
1304	567316.8	4216618.87	7.64E-09	8.24E-09	1.59E-08	6.63E-09	7.29E-09	1.39E-08	8.01E-10	1.18E-09	1.98E-09	6.98E-10	7.28E-10	1.43E-09
1305	567308.89	4216613.36	7.48E-09	8.08E-09	1.56E-08	6.49E-09	7.15E-09	1.36E-08	7.85E-10	1.16E-09	1.94E-09	6.84E-10	7.13E-10	1.40E-09
1306	567300.98	4216607.85	7.33E-09	7.91E-09	1.52E-08	6.36E-09	7.00E-09	1.34E-08	7.69E-10	1.13E-09	1.90E-09	6.69E-10	6.98E-10	1.37E-09
1307	567293.08	4216602.33	7.17E-09	7.74E-09	1.49E-08	6.22E-09	6.85E-09	1.31E-08	7.52E-10	1.11E-09	1.86E-09	6.55E-10	6.83E-10	1.34E-09
1308	567285.17	4216596.82	7.01E-09	7.56E-09	1.46E-08	6.08E-09	6.69E-09	1.28E-08	7.35E-10	1.08E-09	1.82E-09	6.40E-10	6.68E-10	1.31E-09
1309	567277.26	4216591.3	6.85E-09	7.39E-09	1.42E-08	5.94E-09	6.54E-09	1.25E-08	7.18E-10	1.06E-09	1.78E-09	6.26E-10	6.53E-10	1.28E-09
1310	567269.36	4216585.79	6.69E-09	7.22E-09	1.39E-08	5.80E-09	6.39E-09	1.22E-08	7.02E-10	1.04E-09	1.74E-09	6.11E-10	6.38E-10	1.25E-09
1311	567390.73	4216662.7	8.23E-09	8.88E-09	1.71E-08	7.14E-09	7.86E-09	1.50E-08	8.63E-10	1.27E-09	2.14E-09	7.52E-10	7.84E-10	1.54E-09
1312	567395.69	4216670.61	8.41E-09	9.08E-09	1.75E-08	7.30E-09	8.03E-09	1.53E-08	8.82E-10	1.30E-09	2.18E-09	7.68E-10	8.02E-10	1.57E-09
1313	567400.64	4216678.52	8.59E-09	9.27E-09	1.79E-08	7.45E-09	8.20E-09	1.56E-08	9.01E-10	1.33E-09	2.23E-09	7.84E-10	8.18E-10	1.60E-09
1314	567405.6	4216686.43	8.76E-09	9.45E-09	1.82E-08	7.60E-09	8.36E-09	1.60E-08	9.18E-10	1.36E-09	2.27E-09	8.00E-10	8.35E-10	1.63E-09
1315	567410.55	4216694.34	8.92E-09	9.63E-09	1.85E-08	7.74E-09	8.52E-09	1.63E-08	9.36E-10	1.38E-09	2.32E-09	8.15E-10	8.50E-10	1.66E-09
1316	567420.46	4216710.16	9.20E-09	9.93E-09	1.91E-08	7.98E-09	8.78E-09	1.68E-08	9.65E-10	1.42E-09	2.39E-09	8.40E-10	8.77E-10	1.72E-09
1317	567425.42	4216718.07	9.39E-09	1.01E-08	1.95E-08	8.15E-09	8.97E-09	1.71E-08	9.85E-10	1.45E-09	2.44E-09	8.58E-10	8.95E-10	1.75E-09
1318	567435.33	4216733.89	9.58E-09	1.03E-08	1.99E-08	8.31E-09	9.15E-09	1.75E-08	1.00E-09	1.48E-09	2.49E-09	8.75E-10	9.13E-10	1.79E-09
1319	567440.29	4216741.8	9.65E-09	1.04E-08	2.01E-08	8.37E-09	9.22E-09	1.76E-08	1.01E-09	1.49E-09	2.51E-09	8.82E-10	9.20E-10	1.80E-09
1320	567450.2	4216757.62	9.78E-09	1.06E-08	2.03E-08	8.49E-09	9.34E-09	1.78E-08	1.03E-09	1.51E-09	2.54E-09	8.94E-10	9.32E-10	1.83E-09
1321	567455.15	4216765.53	9.83E-09	1.06E-08	2.04E-08	8.53E-09	9.39E-09	1.79E-08	1.03E-09	1.52E-09	2.55E-09	8.98E-10	9.37E-10	1.83E-09
1322	567460.11	4216773.44	9.86E-09	1.06E-08	2.05E-08	8.55E-09	9.42E-09	1.80E-08	1.03E-09	1.53E-09	2.56E-09	9.00E-10	9.40E-10	1.84E-09
1323	567465.06	4216781.35	9.87E-09	1.07E-08	2.05E-08	8.56E-09	9.43E-09	1.80E-08	1.04E-09	1.53E-09	2.56E-09	9.02E-10	9.41E-10	1.84E-09
1324	567470.02	4216789.26	9.87E-09	1.07E-08	2.05E-08	8.56E-09	9.43E-09	1.80E-08	1.04E-09	1.53E-09	2.56E-09	9.02E-10	9.41E-10	1.84E-09
1325	567474.97	4216797.18	9.87E-09	1.07E-08	2.05E-08	8.57E-09	9.43E-09	1.80E-08	1.04E-09	1.53E-09	2.56E-09	9.02E-10	9.41E-10	1.84E-09
1326	567484.88	4216813	9.87E-09	1.07E-08	2.05E-08	8.57E-09	9.43E-09	1.80E-08	1.04E-09	1.53E-09	2.56E-09	9.02E-10	9.41E-10	1.84E-09
1327	567489.84	4216820.91	9.86E-09	1.06E-08	2.05E-08	8.56E-09	9.42E-09	1.80E-08	1.03E-09	1.53E-09	2.56E-09	9.01E-10	9.40E-10	1.84E-09
1328	567494.79	4216828.82	9.84E-09	1.06E-08	2.05E-08	8.54E-09	9.40E-09	1.79E-08	1.03E-09	1.52E-09	2.56E-09	8.99E-10	9.38E-10	1.84E-09
1329	567492	4216951.02	1.38E-08	1.49E-08	2.87E-08	1.20E-08	1.32E-08	2.52E-08	1.45E-09	2.14E-09	3.59E-09	1.26E-09	1.32E-09	2.58E-09
1330	567489.73	4216960.08	1.44E-08	1.55E-08	2.99E-08	1.25E-08	1.37E-08	2.62E-08	1.51E-09	2.22E-09	3.73E-09	1.31E-09	1.37E-09	2.68E-09
1331	567487.47	4216969.13	1.50E-08	1.61E-08	3.11E-08	1.30E-08	1.43E-08	2.73E-08	1.57E-09	2.31E-09	3.88E-09	1.37E-09	1.43E-09	2.79E-09
1332	567485.21	4216978.19	1.56E-08	1.68E-08	3.24E-08	1.35E-08	1.49E-08	2.84E-08	1.63E-09	2.41E-09	4.04E-09	1.42E-09	1.48E-09	2.90E-09
1333	567482.95	4216987.25	1.62E-08	1.75E-08	3.37E-08	1.41E-08	1.55E-08	2.95E-08	1.70E-09	2.51E-09	4.21E-09	1.48E-09	1.54E-09	3.02E-09
1334	567480.68	4216996.3	1.69E-08	1.82E-08	3.51E-08	1.46E-08	1.61E-08	3.07E-08	1.77E-09	2.61E-09	4.38E-09	1.54E-09	1.61E-09	3.15E-09
1335	567478.42	4217005.36	1.76E-08	1.90E-08	3.65E-08	1.52E-08	1.68E-08	3.20E-08	1.84E-09	2.72E-09	4.56E-09	1.60E-09	1.67E-09	3.28E-09
1336	567354.15	4216632.73	7.73E-09	8.34E-09	1.61E-08	6.70E-09	7.38E-09	1.41E-08	8.10E-10	1.20E-09	2.01E-09	7.06E-10	7.36E-10	1.44E-09
1337	567346.24	4216627.21	7.64E-09	8.25E-09	1.59E-08	6.63E-09	7.30E-09	1.39E-08	8.02E-10	1.18E-09	1.98E-09	6.98E-10	7.28E-10	1.43E-09
1338	567338.33	4216621.7	7.55E-09	8.15E-09	1.57E-08	6.55E-09	7.21E-09	1.38E-08	7.92E-10	1.17E-09	1.96E-09	6.90E-10	7.20E-10	1.41E-09
1339	567330.43	4216616.19	7.42E-09	8.01E-09	1.54E-08	6.44E-09	7.09E-09	1.35E-08	7.79E-10	1.15E-09	1.93E-09	6.78E-10	7.08E-10	1.39E-09
1340	567322.52	4216610.67	7.29E-09	7.87E-09	1.52E-08	6.32E-09	6.96E-09	1.33E-08	7.64E-10	1.13E-09	1.89E-09	6.66E-10	6.95E-10	1.36E-09
1341	567314.61	4216605.16	7.15E-09	7.71E-09	1.49E-08	6.20E-09	6.83E-09	1.30E-08	7.50E-10	1.11E-09	1.86E-09	6.53E-10	6.81E-10	1.33E-09
1342	567306.7	4216599.64	7.00E-09	7.56E-09	1.46E-08	6.07E-09	6.69E-09	1.28E-08	7.34E-10	1.08E-09	1.82E-09	6.39E-10	6.67E-10	1.31E-09
1343	567298.8	4216594.13	6.85E-09	7.40E-09	1.42E-08	5.95E-09	6.55E-09	1.25E-08	7.19E-10	1.06E-09	1.78E-09	6.26E-10	6.53E-10	1.28E-09
1344	567290.89	4216588.61	6.70E-09	7.24E-09	1.39E-08	5.82E-09	6.40E-09	1.22E-08	7.03E-10	1.04E-09	1.74E-09	6.12E-10	6.39E-10	1.25E-09
1345	567282.98	4216583.1	6.56E-09	7.08E-09	1.36E-08	5.69E-09	6.26E-09	1.19E-08	6.88E-10	1.01E-09	1.70E-09	5.99E-10	6.25E-10	1.22E-09

1346	567275.08	4216577.59	6.41E-09	6.92E-09	1.33E-08	5.56E-09	6.12E-09	1.17E-08	6.72E-10	9.92E-10	1.66E-09	5.85E-10	6.11E-10	1.20E-09
1347	567103.47	4216803.66	5.12E-08	5.52E-08	1.06E-07	4.44E-08	4.89E-08	9.32E-08	5.37E-09	7.92E-09	1.33E-08	4.67E-09	4.88E-09	9.55E-09
1348	567103.47	4216793.66	4.24E-08	4.58E-08	8.82E-08	3.68E-08	4.05E-08	7.73E-08	4.45E-09	6.56E-09	1.10E-08	3.87E-09	4.04E-09	7.92E-09
1349	567104.9	4216784.11	3.62E-08	3.91E-08	7.54E-08	3.14E-08	3.46E-08	6.61E-08	3.80E-09	5.61E-09	9.41E-09	3.31E-09	3.45E-09	6.76E-09
1350	567104.61	4216774.02	3.12E-08	3.37E-08	6.49E-08	2.71E-08	2.98E-08	5.69E-08	3.27E-09	4.83E-09	8.10E-09	2.85E-09	2.97E-09	5.82E-09
1351	567118.34	4216778.33	3.34E-08	3.60E-08	6.94E-08	2.89E-08	3.19E-08	6.08E-08	3.50E-09	5.16E-09	8.66E-09	3.05E-09	3.18E-09	6.23E-09
1352	567104.42	4216763.96	2.73E-08	2.94E-08	5.67E-08	2.36E-08	2.60E-08	4.97E-08	2.86E-09	4.22E-09	7.08E-09	2.49E-09	2.60E-09	5.09E-09
1353	567117.77	4216768.15	2.89E-08	3.12E-08	6.01E-08	2.51E-08	2.76E-08	5.27E-08	3.03E-09	4.47E-09	7.51E-09	2.64E-09	2.76E-09	5.40E-09
1354	567089.85	4216761.86	2.65E-08	2.86E-08	5.50E-08	2.30E-08	2.53E-08	4.82E-08	2.78E-09	4.10E-09	6.87E-09	2.42E-09	2.52E-09	4.94E-09
1355	567104.29	4216753.91	2.41E-08	2.60E-08	5.01E-08	2.09E-08	2.30E-08	4.39E-08	2.53E-09	3.73E-09	6.26E-09	2.20E-09	2.30E-09	4.50E-09
1356	567117.36	4216758.02	2.54E-08	2.74E-08	5.28E-08	2.20E-08	2.43E-08	4.63E-08	2.66E-09	3.93E-09	6.59E-09	2.32E-09	2.42E-09	4.74E-09
1357	567130.44	4216762.13	2.68E-08	2.89E-08	5.58E-08	2.33E-08	2.56E-08	4.89E-08	2.81E-09	4.15E-09	6.96E-09	2.45E-09	2.56E-09	5.00E-09
1358	567089.85	4216751.86	2.34E-08	2.53E-08	4.88E-08	2.03E-08	2.24E-08	4.27E-08	2.46E-09	3.63E-09	6.09E-09	2.14E-09	2.23E-09	4.38E-09
1359	567105.1	4216744.17	2.16E-08	2.33E-08	4.48E-08	1.87E-08	2.06E-08	3.93E-08	2.26E-09	3.34E-09	5.60E-09	1.97E-09	2.06E-09	4.02E-09
1360	567119.81	4216748.79	2.28E-08	2.46E-08	4.74E-08	1.98E-08	2.18E-08	4.16E-08	2.39E-09	3.53E-09	5.92E-09	2.08E-09	2.17E-09	4.26E-09
1361	567134.52	4216753.42	2.41E-08	2.60E-08	5.01E-08	2.09E-08	2.30E-08	4.40E-08	2.53E-09	3.73E-09	6.26E-09	2.20E-09	2.30E-09	4.50E-09
1362	567089.85	4216741.86	2.09E-08	2.26E-08	4.35E-08	1.82E-08	2.00E-08	3.82E-08	2.20E-09	3.24E-09	5.44E-09	1.91E-09	2.00E-09	3.91E-09
1363	567104.9	4216734.11	1.94E-08	2.09E-08	4.03E-08	1.68E-08	1.85E-08	3.53E-08	2.03E-09	3.00E-09	5.03E-09	1.77E-09	1.85E-09	3.62E-09
1364	567119.2	4216738.6	2.04E-08	2.20E-08	4.24E-08	1.77E-08	1.95E-08	3.72E-08	2.14E-09	3.16E-09	5.30E-09	1.86E-09	1.94E-09	3.81E-09
1365	567133.5	4216743.09	2.15E-08	2.32E-08	4.46E-08	1.86E-08	2.05E-08	3.91E-08	2.25E-09	3.32E-09	5.57E-09	1.96E-09	2.05E-09	4.01E-09
1366	567132.71	4216732.85	1.93E-08	2.08E-08	4.01E-08	1.67E-08	1.84E-08	3.51E-08	2.02E-09	2.98E-09	5.01E-09	1.76E-09	1.84E-09	3.60E-09
1367	567146.69	4216737.24	2.02E-08	2.18E-08	4.20E-08	1.75E-08	1.93E-08	3.68E-08	2.12E-09	3.13E-09	5.24E-09	1.84E-09	1.93E-09	3.77E-09
1368	567145.8	4216726.96	1.82E-08	1.97E-08	3.79E-08	1.58E-08	1.74E-08	3.32E-08	1.91E-09	2.82E-09	4.73E-09	1.66E-09	1.74E-09	3.40E-09
1369	567089.85	4216711.86	1.56E-08	1.68E-08	3.24E-08	1.35E-08	1.49E-08	2.84E-08	1.64E-09	2.41E-09	4.05E-09	1.43E-09	1.49E-09	2.91E-09
1370	567105.19	4216704.2	1.46E-08	1.58E-08	3.04E-08	1.27E-08	1.40E-08	2.67E-08	1.54E-09	2.27E-09	3.80E-09	1.34E-09	1.40E-09	2.73E-09
1371	567089.85	4216701.86	1.43E-08	1.54E-08	2.98E-08	1.24E-08	1.37E-08	2.61E-08	1.50E-09	2.22E-09	3.72E-09	1.31E-09	1.36E-09	2.67E-09
1372	567105.03	4216694.15	1.35E-08	1.45E-08	2.80E-08	1.17E-08	1.29E-08	2.45E-08	1.41E-09	2.08E-09	3.50E-09	1.23E-09	1.28E-09	2.51E-09
1373	567119.59	4216698.72	1.40E-08	1.52E-08	2.92E-08	1.22E-08	1.34E-08	2.56E-08	1.47E-09	2.17E-09	3.65E-09	1.28E-09	1.34E-09	2.62E-09
1374	567134.15	4216703.3	1.47E-08	1.58E-08	3.05E-08	1.27E-08	1.40E-08	2.67E-08	1.54E-09	2.27E-09	3.81E-09	1.34E-09	1.40E-09	2.74E-09
1375	567089.85	4216691.86	1.32E-08	1.42E-08	2.74E-08	1.14E-08	1.26E-08	2.40E-08	1.38E-09	2.04E-09	3.42E-09	1.20E-09	1.26E-09	2.46E-09
1376	567104.9	4216684.11	1.24E-08	1.34E-08	2.59E-08	1.08E-08	1.19E-08	2.27E-08	1.31E-09	1.93E-09	3.23E-09	1.14E-09	1.19E-09	2.32E-09
1377	567119.2	4216688.6	1.29E-08	1.40E-08	2.69E-08	1.12E-08	1.24E-08	2.36E-08	1.36E-09	2.00E-09	3.36E-09	1.18E-09	1.23E-09	2.41E-09
1378	567133.5	4216693.09	1.35E-08	1.45E-08	2.80E-08	1.17E-08	1.29E-08	2.46E-08	1.41E-09	2.09E-09	3.50E-09	1.23E-09	1.28E-09	2.52E-09
1379	567147.8	4216697.59	1.40E-08	1.52E-08	2.92E-08	1.22E-08	1.34E-08	2.56E-08	1.47E-09	2.17E-09	3.65E-09	1.28E-09	1.34E-09	2.62E-09
1380	567089.85	4216681.86	1.22E-08	1.32E-08	2.53E-08	1.06E-08	1.16E-08	2.22E-08	1.28E-09	1.89E-09	3.16E-09	1.11E-09	1.16E-09	2.27E-09
1381	567104.79	4216674.07	1.15E-08	1.25E-08	2.40E-08	1.00E-08	1.10E-08	2.10E-08	1.21E-09	1.79E-09	3.00E-09	1.05E-09	1.10E-09	2.15E-09
1382	567118.87	4216678.5	1.20E-08	1.29E-08	2.49E-08	1.04E-08	1.14E-08	2.18E-08	1.26E-09	1.85E-09	3.11E-09	1.09E-09	1.14E-09	2.24E-09
1383	567132.95	4216682.92	1.24E-08	1.34E-08	2.59E-08	1.08E-08	1.19E-08	2.27E-08	1.30E-09	1.93E-09	3.23E-09	1.14E-09	1.19E-09	2.32E-09
1384	567147.03	4216687.35	1.29E-08	1.39E-08	2.69E-08	1.12E-08	1.23E-08	2.36E-08	1.36E-09	2.00E-09	3.36E-09	1.18E-09	1.23E-09	2.41E-09
1385	567161.11	4216691.77	1.34E-08	1.45E-08	2.79E-08	1.16E-08	1.28E-08	2.44E-08	1.41E-09	2.07E-09	3.48E-09	1.22E-09	1.28E-09	2.50E-09
1386	567089.85	4216671.86	1.13E-08	1.22E-08	2.35E-08	9.81E-09	1.08E-08	2.06E-08	1.19E-09	1.75E-09	2.94E-09	1.03E-09	1.08E-09	2.11E-09
1387	567105.23	4216664.21	1.08E-08	1.16E-08	2.24E-08	9.33E-09	1.03E-08	1.96E-08	1.13E-09	1.67E-09	2.79E-09	9.83E-10	1.03E-09	2.01E-09
1388	567120.19	4216668.91	1.12E-08	1.21E-08	2.32E-08	9.69E-09	1.07E-08	2.04E-08	1.17E-09	1.73E-09	2.90E-09	1.02E-09	1.06E-09	2.09E-09
1389	567135.15	4216673.61	1.16E-08	1.25E-08	2.41E-08	1.01E-08	1.11E-08	2.12E-08	1.22E-09	1.80E-09	3.01E-09	1.06E-09	1.11E-09	2.17E-09
1390	567150.11	4216678.31	1.21E-08	1.30E-08	2.51E-08	1.05E-08	1.15E-08	2.20E-08	1.26E-09	1.87E-09	3.13E-09	1.10E-09	1.15E-09	2.25E-09
1391	567165.07	4216683.02	1.25E-08	1.35E-08	2.60E-08	1.09E-08	1.19E-08	2.28E-08	1.31E-09	1.94E-09	3.25E-09	1.14E-09	1.19E-09	2.34E-09
1392	567180.03	4216687.72	1.30E-08	1.40E-08	2.70E-08	1.12E-08	1.24E-08	2.36E-08	1.36E-09	2.01E-09	3.37E-09	1.18E-09	1.24E-09	2.42E-09
1393	567089.85	4216661.86	1.05E-08	1.14E-08	2.19E-08	9.14E-09	1.01E-08	1.92E-08	1.10E-09	1.63E-09	2.74E-09	9.62E-10	1.00E-09	1.97E-09
1394	567105.1	4216654.17	1.00E-08	1.08E-08	2.09E-08	8.71E-09	9.59E-09	1.83E-08	1.05E-09	1.55E-09	2.61E-09	9.17E-10	9.57E-10	1.87E-09
1395	567119.81	4216658.79	1.04E-08	1.12E-08	2.16E-08	9.03E-09	9.94E-09	1.90E-08	1.09E-09	1.61E-09	2.70E-09	9.50E-10	9.92E-10	1.94E-09
1396	567134.52	4216663.42	1.08E-08	1.16E-08	2.24E-08	9.36E-09	1.03E-08	1.97E-08	1.13E-09	1.67E-09	2.80E-09	9.85E-10	1.03E-09	2.01E-09
1397	567149.23	4216668.04	1.12E-08	1.21E-08	2.32E-08	9.70E-09	1.07E-08	2.04E-08	1.17E-09	1.73E-09	2.90E-09	1.02E-09	1.07E-09	2.09E-09
1398	567163.94	4216672.66	1.16E-08	1.25E-08	2.41E-08	1.00E-08	1.11E-08	2.11E-08	1.21E-09	1.79E-09	3.01E-09	1.06E-09	1.10E-09	2.16E-09
1399	567178.65	4216677.28	1.20E-08	1.29E-08	2.49E-08	1.04E-08	1.14E-08	2.18E-08	1.26E-09	1.85E-09	3.11E-09	1.09E-09	1.14E-09	2.24E-09
1400	567089.85	4216651.86	9.85E-09	1.06E-08	2.05E-08	8.54E-09	9.41E-09	1.80E-08	1.03E-09	1.52E-09	2.56E-09	9.00E-10	9.39E-10	1.84E-09
1401	567105	4216644.14	9.40E-09	1.01E-08	1.95E-08	8.15E-09	8.98E-09	1.71E-08	9.86E-10	1.45E-09	2.44E-09	8.58E-10	8.96E-10	1.75E-09
1402	567119.49	4216648.69	9.72E-09	1.05E-08	2.02E-08	8.43E-09	9.28E-09	1.77E-08	1.02E-09	1.50E-09	2.52E-09	8.88E-10	9.26E-10	1.81E-09
1403	567133.98	4216653.24	1.01E-08	1.09E-08	2.09E-08	8.72E-09	9.60E-09	1.83E-08	1.05E-09	1.56E-09	2.61E-09	9.18E-10	9.58E-10	1.88E-09
1404	567148.47	4216657.8	1.04E-08	1.12E-08	2.16E-08	9.02E-09	9.94E-09	1.90E-08	1.09E-09	1.61E-09	2.70E-09	9.50E-10	9.91E-10	1.94E-09
1405	567162.96	4216662.35	1.08E-08	1.16E-08	2.24E-08	9.33E-09	1.03E-08	1.96E-08	1.13E-09	1.66E-09	2.79E-09	9.82E-10	1.03E-09	2.01E-09
1406	567177.45	4216666.91	1.11E-08	1.20E-08	2.31E-08	9.64E-09	1.06E-08	2.02E-08	1.16E-09	1.72E-09	2.88E-09	1.01E-09	1.06E-09	2.07E-09
1407	567191.94	4216671.46	1.15E-08	1.24E-08	2.38E-08	9.95E-09	1.09E-08	2.09E-08	1.20E-09	1.77E-09	2.98E-09	1.05E-09	1.09E-09	2.14E-09
1408	567089.85	4216641.86	9.23E-09	9.96E-09	1.92E-08	8.01E-09	8.82E-09	1.68E-08	9.68E-10	1.43E-09	2.40E-09	8.43E-10	8.80E-10	1.72E-09
1409	567104.9	4216634.11	8.82E-09	9.52E-09	1.83E-08	7.65E-09	8.43E-09	1.61E-08	9.25E-10	1.37E-09	2.29E-09	8.06E-10	8.41E-10	1.65E-09
1410	567119.2	4216638.6	9.10E-09	9.83E-09	1.89E-08	7.90E-09	8.69E-09	1.66E-08	9.55E-10	1.41E-09	2.36E-09	8.31E-10	8.68E-10	1.70E-09
1411	567133.5	4216643.09	9.40E-09	1.01E-08	1.95E-08	8.16E-09	8.98E-09	1.71E-08	9.86E-10	1.46E-09	2.44E-09	8.59E-10	8.96E-10	1.75E-09
1412	567147.8	4216647.59	9.71E-09	1.05E-08	2.02E-08	8.43E-09	9.28E-09	1.77E-08	1.02E-09	1.50E-09	2.52E-09	8.87E-10	9.26E-10	1.81E-09
1413	567162.1	4216652.08	1.00E-08	1.08E-08	2.09E-08	8.71E-09	9.58E-09	1.83E-08	1.05E-09	1.55E-09	2.61E-09	9.17E-10	9.56E-10	1.87E-09
1414	567176.4	4216656.58	1.03E-08	1.12E-08	2.15E-08	8.98E-09	9.89E-09	1.89E-08	1.09E-09	1.60E-09	2.69E-09	9.45E-10	9.86E-10	1.93E-09
1415	567190.7	4216661.07	1.07E-08	1.15E-08	2.22E-08	9.25E-09	1.02E-08	1.94E-08	1.12E-09	1.65E-09	2.77E-09	9.74E-10	1.02E-09	1.99E-09
1416	567089.85	4216631.86	8.67E-09	9.36E-09	1.80E-08	7.52E-09	8.28E-09	1.58E-08	9.10E-10	1.34E-09	2.25E-09	7.92E-10	8.27E-10	1.62E-09

1417	567105.26	4216624.22	8.31E-09	8.97E-09	1.73E-08	7.21E-09	7.94E-09	1.52E-08	8.72E-10	1.29E-09	2.16E-09	7.59E-10	7.92E-10	1.55E-09
1418	567120.27	4216628.94	8.58E-09	9.26E-09	1.78E-08	7.45E-09	8.20E-09	1.56E-08	9.00E-10	1.33E-09	2.23E-09	7.84E-10	8.18E-10	1.60E-09
1419	567135.29	4216633.66	8.86E-09	9.57E-09	1.84E-08	7.69E-09	8.47E-09	1.62E-08	9.30E-10	1.37E-09	2.30E-09	8.10E-10	8.45E-10	1.65E-09
1420	567150.3	4216638.38	9.16E-09	9.89E-09	1.90E-08	7.95E-09	8.75E-09	1.67E-08	9.61E-10	1.42E-09	2.38E-09	8.37E-10	8.73E-10	1.71E-09
1421	567165.32	4216643.09	9.47E-09	1.02E-08	1.97E-08	8.22E-09	9.05E-09	1.73E-08	9.93E-10	1.47E-09	2.46E-09	8.65E-10	9.03E-10	1.77E-09
1422	567180.34	4216647.81	9.77E-09	1.05E-08	2.03E-08	8.48E-09	9.33E-09	1.78E-08	1.02E-09	1.51E-09	2.54E-09	8.93E-10	9.31E-10	1.82E-09
1423	567089.85	4216621.86	8.16E-09	8.81E-09	1.70E-08	7.08E-09	7.80E-09	1.49E-08	8.56E-10	1.26E-09	2.12E-09	7.46E-10	7.78E-10	1.52E-09
1424	567105.15	4216614.19	7.84E-09	8.46E-09	1.63E-08	6.80E-09	7.49E-09	1.43E-08	8.22E-10	1.21E-09	2.04E-09	7.16E-10	7.47E-10	1.46E-09
1425	567119.96	4216618.84	8.09E-09	8.73E-09	1.68E-08	7.02E-09	7.73E-09	1.47E-08	8.48E-10	1.25E-09	2.10E-09	7.39E-10	7.71E-10	1.51E-09
1426	567134.76	4216623.49	8.34E-09	9.00E-09	1.73E-08	7.24E-09	7.97E-09	1.52E-08	8.75E-10	1.29E-09	2.17E-09	7.62E-10	7.95E-10	1.56E-09
1427	567149.57	4216628.14	8.60E-09	9.29E-09	1.79E-08	7.46E-09	8.22E-09	1.57E-08	9.02E-10	1.33E-09	2.23E-09	7.86E-10	8.20E-10	1.61E-09
1428	567164.37	4216632.8	8.88E-09	9.58E-09	1.85E-08	7.70E-09	8.48E-09	1.62E-08	9.31E-10	1.37E-09	2.31E-09	8.11E-10	8.46E-10	1.66E-09
1429	567179.18	4216637.45	9.15E-09	9.88E-09	1.90E-08	7.94E-09	8.74E-09	1.67E-08	9.60E-10	1.42E-09	2.38E-09	8.36E-10	8.72E-10	1.71E-09
1430	567208.79	4216646.75	9.66E-09	1.04E-08	2.01E-08	8.38E-09	9.23E-09	1.76E-08	1.01E-09	1.50E-09	2.51E-09	8.82E-10	9.21E-10	1.80E-09
1431	567119.68	4216608.75	7.64E-09	8.25E-09	1.59E-08	6.63E-09	7.30E-09	1.39E-08	8.01E-10	1.18E-09	1.98E-09	6.98E-10	7.28E-10	1.43E-09
1432	567134.3	4216613.34	7.87E-09	8.49E-09	1.64E-08	6.82E-09	7.51E-09	1.43E-08	8.25E-10	1.22E-09	2.04E-09	7.19E-10	7.50E-10	1.47E-09
1433	567148.91	4216617.94	8.10E-09	8.74E-09	1.68E-08	7.03E-09	7.74E-09	1.48E-08	8.50E-10	1.25E-09	2.10E-09	7.40E-10	7.72E-10	1.51E-09
1434	567163.53	4216622.53	8.35E-09	9.01E-09	1.74E-08	7.24E-09	7.97E-09	1.52E-08	8.75E-10	1.29E-09	2.17E-09	7.62E-10	7.95E-10	1.56E-09
1435	567178.15	4216627.13	8.59E-09	9.27E-09	1.79E-08	7.45E-09	8.21E-09	1.57E-08	9.01E-10	1.33E-09	2.23E-09	7.85E-10	8.19E-10	1.60E-09
1436	567207.39	4216636.31	9.05E-09	9.77E-09	1.88E-08	7.85E-09	8.65E-09	1.65E-08	9.49E-10	1.40E-09	2.35E-09	8.27E-10	8.63E-10	1.69E-09
1437	567104.98	4216594.13	7.02E-09	7.58E-09	1.46E-08	6.09E-09	6.70E-09	1.28E-08	7.36E-10	1.09E-09	1.82E-09	6.41E-10	6.69E-10	1.31E-09
1438	567148.33	4216607.75	7.65E-09	8.25E-09	1.59E-08	6.63E-09	7.30E-09	1.39E-08	8.02E-10	1.18E-09	1.99E-09	6.99E-10	7.29E-10	1.43E-09
1439	567162.78	4216612.3	7.86E-09	8.49E-09	1.64E-08	6.82E-09	7.51E-09	1.43E-08	8.25E-10	1.22E-09	2.04E-09	7.18E-10	7.50E-10	1.47E-09
1440	567177.23	4216616.84	8.08E-09	8.72E-09	1.68E-08	7.01E-09	7.72E-09	1.47E-08	8.48E-10	1.25E-09	2.10E-09	7.38E-10	7.70E-10	1.51E-09
1441	567206.13	4216625.92	8.50E-09	9.18E-09	1.77E-08	7.38E-09	8.12E-09	1.55E-08	8.92E-10	1.32E-09	2.21E-09	7.77E-10	8.10E-10	1.59E-09
1442	567220.58	4216630.46	8.71E-09	9.40E-09	1.81E-08	7.55E-09	8.32E-09	1.59E-08	9.13E-10	1.35E-09	2.26E-09	7.95E-10	8.30E-10	1.63E-09
1443	567089.85	4216591.86	6.90E-09	7.45E-09	1.44E-08	5.99E-09	6.60E-09	1.26E-08	7.24E-10	1.07E-09	1.79E-09	6.31E-10	6.58E-10	1.29E-09
1444	567105.28	4216584.23	6.66E-09	7.19E-09	1.39E-08	5.78E-09	6.36E-09	1.21E-08	6.99E-10	1.03E-09	1.73E-09	6.09E-10	6.35E-10	1.24E-09
1445	567120.33	4216588.96	6.86E-09	7.41E-09	1.43E-08	5.95E-09	6.55E-09	1.25E-08	7.20E-10	1.06E-09	1.78E-09	6.27E-10	6.54E-10	1.28E-09
1446	567165.49	4216603.15	7.48E-09	8.07E-09	1.55E-08	6.49E-09	7.14E-09	1.36E-08	7.84E-10	1.16E-09	1.94E-09	6.83E-10	7.13E-10	1.40E-09
1447	567195.6	4216612.61	7.88E-09	8.51E-09	1.64E-08	6.84E-09	7.53E-09	1.44E-08	8.27E-10	1.22E-09	2.05E-09	7.20E-10	7.51E-10	1.47E-09
1448	567210.65	4216617.34	8.08E-09	8.72E-09	1.68E-08	7.01E-09	7.72E-09	1.47E-08	8.47E-10	1.25E-09	2.10E-09	7.38E-10	7.70E-10	1.51E-09
1449	567225.7	4216622.07	8.27E-09	8.93E-09	1.72E-08	7.18E-09	7.90E-09	1.51E-08	8.68E-10	1.28E-09	2.15E-09	7.56E-10	7.89E-10	1.54E-09
1450	567089.85	4216581.86	6.56E-09	7.08E-09	1.36E-08	5.69E-09	6.26E-09	1.20E-08	6.88E-10	1.01E-09	1.70E-09	5.99E-10	6.25E-10	1.22E-09
1451	567105.19	4216574.2	6.33E-09	6.83E-09	1.32E-08	5.49E-09	6.05E-09	1.15E-08	6.64E-10	9.80E-10	1.64E-09	5.78E-10	6.03E-10	1.18E-09
1452	567120.06	4216578.87	6.51E-09	7.03E-09	1.35E-08	5.65E-09	6.22E-09	1.19E-08	6.83E-10	1.01E-09	1.69E-09	5.95E-10	6.21E-10	1.22E-09
1453	567134.93	4216583.54	6.70E-09	7.23E-09	1.39E-08	5.81E-09	6.40E-09	1.22E-08	7.03E-10	1.04E-09	1.74E-09	6.12E-10	6.39E-10	1.25E-09
1454	567194.42	4216602.24	7.44E-09	8.03E-09	1.55E-08	6.46E-09	7.11E-09	1.36E-08	7.80E-10	1.15E-09	1.93E-09	6.80E-10	7.09E-10	1.39E-09
1455	567209.29	4216606.91	7.62E-09	8.22E-09	1.58E-08	6.61E-09	7.28E-09	1.39E-08	7.99E-10	1.18E-09	1.98E-09	6.96E-10	7.26E-10	1.42E-09
1456	567224.17	4216611.59	7.80E-09	8.42E-09	1.62E-08	6.77E-09	7.45E-09	1.42E-08	8.18E-10	1.21E-09	2.03E-09	7.12E-10	7.43E-10	1.46E-09
1457	567089.85	4216571.86	6.23E-09	6.73E-09	1.30E-08	5.41E-09	5.95E-09	1.14E-08	6.54E-10	9.65E-10	1.62E-09	5.69E-10	5.94E-10	1.16E-09
1458	567105.1	4216564.17	6.03E-09	6.51E-09	1.25E-08	5.23E-09	5.76E-09	1.10E-08	6.32E-10	9.33E-10	1.57E-09	5.51E-10	5.75E-10	1.13E-09
1459	567119.81	4216568.79	6.19E-09	6.68E-09	1.29E-08	5.37E-09	5.91E-09	1.13E-08	6.49E-10	9.58E-10	1.61E-09	5.66E-10	5.90E-10	1.16E-09
1460	567134.52	4216573.42	6.37E-09	6.87E-09	1.32E-08	5.52E-09	6.08E-09	1.16E-08	6.68E-10	9.86E-10	1.65E-09	5.82E-10	6.07E-10	1.19E-09
1461	567149.23	4216578.04	6.54E-09	7.06E-09	1.36E-08	5.68E-09	6.25E-09	1.19E-08	6.86E-10	1.01E-09	1.70E-09	5.98E-10	6.24E-10	1.22E-09
1462	567193.36	4216591.91	7.05E-09	7.61E-09	1.47E-08	6.11E-09	6.73E-09	1.28E-08	7.39E-10	1.09E-09	1.83E-09	6.44E-10	6.72E-10	1.32E-09
1463	567208.07	4216596.53	7.21E-09	7.78E-09	1.50E-08	6.25E-09	6.88E-09	1.31E-08	7.56E-10	1.12E-09	1.87E-09	6.58E-10	6.87E-10	1.35E-09
1464	567222.78	4216601.15	7.37E-09	7.95E-09	1.53E-08	6.39E-09	7.04E-09	1.34E-08	7.73E-10	1.14E-09	1.91E-09	6.73E-10	7.02E-10	1.38E-09
1465	567237.49	4216605.77	7.52E-09	8.12E-09	1.56E-08	6.53E-09	7.19E-09	1.37E-08	7.89E-10	1.16E-09	1.95E-09	6.87E-10	7.17E-10	1.40E-09
1466	567089.85	4216561.86	5.94E-09	6.41E-09	1.23E-08	5.15E-09	5.67E-09	1.08E-08	6.23E-10	9.19E-10	1.54E-09	5.42E-10	5.66E-10	1.11E-09
1467	567105.03	4216554.15	5.75E-09	6.20E-09	1.20E-08	4.99E-09	5.49E-09	1.05E-08	6.03E-10	8.90E-10	1.49E-09	5.25E-10	5.48E-10	1.07E-09
1468	567119.59	4216558.72	5.90E-09	6.37E-09	1.23E-08	5.12E-09	5.64E-09	1.08E-08	6.19E-10	9.13E-10	1.53E-09	5.39E-10	5.62E-10	1.10E-09
1469	567134.15	4216563.3	6.06E-09	6.54E-09	1.26E-08	5.26E-09	5.79E-09	1.10E-08	6.35E-10	9.38E-10	1.57E-09	5.53E-10	5.77E-10	1.13E-09
1470	567148.71	4216567.87	6.22E-09	6.71E-09	1.29E-08	5.39E-09	5.94E-09	1.13E-08	6.52E-10	9.62E-10	1.61E-09	5.68E-10	5.93E-10	1.16E-09
1471	567163.27	4216572.45	6.38E-09	6.88E-09	1.33E-08	5.53E-09	6.09E-09	1.16E-08	6.69E-10	9.87E-10	1.66E-09	5.82E-10	6.08E-10	1.19E-09
1472	567206.95	4216586.18	6.83E-09	7.37E-09	1.42E-08	5.93E-09	6.52E-09	1.25E-08	7.16E-10	1.06E-09	1.77E-09	6.24E-10	6.51E-10	1.28E-09
1473	567221.51	4216590.75	6.98E-09	7.53E-09	1.45E-08	6.05E-09	6.66E-09	1.27E-08	7.32E-10	1.08E-09	1.81E-09	6.37E-10	6.65E-10	1.30E-09
1474	567236.07	4216595.33	7.12E-09	7.68E-09	1.48E-08	6.18E-09	6.80E-09	1.30E-08	7.47E-10	1.10E-09	1.85E-09	6.50E-10	6.78E-10	1.33E-09
1475	567089.85	4216551.86	5.66E-09	6.11E-09	1.18E-08	4.91E-09	5.41E-09	1.03E-08	5.94E-10	8.76E-10	1.47E-09	5.17E-10	5.39E-10	1.06E-09
1476	567104.96	4216544.13	5.49E-09	5.92E-09	1.14E-08	4.76E-09	5.24E-09	1.00E-08	5.76E-10	8.50E-10	1.43E-09	5.01E-10	5.23E-10	1.02E-09
1477	567119.39	4216548.66	5.63E-09	6.08E-09	1.17E-08	4.88E-09	5.38E-09	1.03E-08	5.91E-10	8.71E-10	1.46E-09	5.14E-10	5.37E-10	1.05E-09
1478	567133.81	4216553.19	5.77E-09	6.23E-09	1.20E-08	5.01E-09	5.51E-09	1.05E-08	6.05E-10	8.93E-10	1.50E-09	5.27E-10	5.50E-10	1.08E-09
1479	567148.24	4216557.73	5.92E-09	6.39E-09	1.23E-08	5.13E-09	5.65E-09	1.08E-08	6.21E-10	9.16E-10	1.54E-09	5.41E-10	5.64E-10	1.10E-09
1480	567162.66	4216562.26	6.06E-09	6.55E-09	1.26E-08	5.26E-09	5.79E-09	1.11E-08	6.36E-10	9.39E-10	1.57E-09	5.54E-10	5.78E-10	1.13E-09
1481	567177.09	4216566.79	6.21E-09	6.70E-09	1.29E-08	5.39E-09	5.93E-09	1.13E-08	6.51E-10	9.61E-10	1.61E-09	5.67E-10	5.92E-10	1.16E-09
1482	567205.94	4216575.86	6.49E-09	7.00E-09	1.35E-08	5.63E-09	6.20E-09	1.18E-08	6.80E-10	1.00E-09	1.68E-09	5.93E-10	6.18E-10	1.21E-09
1483	567220.36	4216580.39	6.62E-09	7.14E-09	1.38E-08	5.74E-09	6.32E-09	1.21E-08	6.94E-10	1.02E-09	1.72E-09	6.04E-10	6.31E-10	1.24E-09
1484	567234.79	4216584.92	6.75E-09	7.28E-09	1.40E-08	5.85E-09	6.44E-09	1.23E-08	7.08E-10	1.04E-09	1.75E-09	6.16E-10	6.43E-10	1.26E-09
1485	567249.21	4216589.46	6.87E-09	7.42E-09	1.43E-08	5.96E-09	6.57E-09	1.25E-08	7.21E-10	1.06E-09	1.78E-09	6.28E-10	6.55E-10	1.28E-09
1486	567089.85	4216541.86	5.40E-09	5.83E-09	1.12E-08	4.69E-09	5.16E-09	9.85E-09	5.67E-10	8.37E-10	1.40E-09	4.94E-10	5.15E-10	1.01E-09
1487	567105.21	4216534.2	5.25E-09	5.67E-09	1.09E-08	4.55E-09	5.01E-09	9.57E-09	5.50E-10	8.12E-10	1.36E-09	4.79E-10	5.00E-10	9.80E-10

1488	567120.13	4216538.89	5.39E-09	5.81E-09	1.12E-08	4.67E-09	5.14E-09	9.82E-09	5.65E-10	8.34E-10	1.40E-09	4.92E-10	5.13E-10	1.01E-09
1489	567135.06	4216543.58	5.52E-09	5.96E-09	1.15E-08	4.79E-09	5.28E-09	1.01E-08	5.79E-10	8.55E-10	1.43E-09	5.05E-10	5.26E-10	1.03E-09
1490	567149.98	4216548.27	5.66E-09	6.11E-09	1.18E-08	4.91E-09	5.41E-09	1.03E-08	5.94E-10	8.76E-10	1.47E-09	5.17E-10	5.40E-10	1.06E-09
1491	567164.9	4216552.96	5.80E-09	6.26E-09	1.21E-08	5.03E-09	5.54E-09	1.06E-08	6.09E-10	8.98E-10	1.51E-09	5.30E-10	5.53E-10	1.08E-09
1492	567179.82	4216557.65	5.94E-09	6.41E-09	1.24E-08	5.16E-09	5.68E-09	1.08E-08	6.23E-10	9.20E-10	1.54E-09	5.43E-10	5.66E-10	1.11E-09
1493	567194.74	4216562.34	6.08E-09	6.56E-09	1.26E-08	5.28E-09	5.81E-09	1.11E-08	6.38E-10	9.41E-10	1.58E-09	5.55E-10	5.80E-10	1.14E-09
1494	567209.67	4216567.03	6.21E-09	6.70E-09	1.29E-08	5.39E-09	5.93E-09	1.13E-08	6.52E-10	9.61E-10	1.61E-09	5.67E-10	5.92E-10	1.16E-09
1495	567224.59	4216571.72	6.33E-09	6.84E-09	1.32E-08	5.50E-09	6.05E-09	1.15E-08	6.64E-10	9.80E-10	1.64E-09	5.79E-10	6.04E-10	1.18E-09
1496	567239.51	4216576.41	6.46E-09	6.97E-09	1.34E-08	5.60E-09	6.17E-09	1.18E-08	6.77E-10	9.99E-10	1.68E-09	5.90E-10	6.15E-10	1.20E-09
1497	567254.43	4216581.1	6.58E-09	7.10E-09	1.37E-08	5.71E-09	6.28E-09	1.20E-08	6.90E-10	1.02E-09	1.71E-09	6.01E-10	6.27E-10	1.23E-09
1498	567089.85	4216531.86	5.17E-09	5.58E-09	1.08E-08	4.49E-09	4.94E-09	9.42E-09	5.42E-10	8.00E-10	1.34E-09	4.72E-10	4.93E-10	9.65E-10
1499	567105.14	4216524.18	5.02E-09	5.42E-09	1.04E-08	4.36E-09	4.80E-09	9.15E-09	5.27E-10	7.77E-10	1.30E-09	4.59E-10	4.79E-10	9.37E-10
1500	567119.92	4216528.83	5.15E-09	5.56E-09	1.07E-08	4.47E-09	4.92E-09	9.39E-09	5.40E-10	7.97E-10	1.34E-09	4.70E-10	4.91E-10	9.61E-10
1501	567134.69	4216533.47	5.28E-09	5.70E-09	1.10E-08	4.58E-09	5.04E-09	9.62E-09	5.54E-10	8.17E-10	1.37E-09	4.82E-10	5.03E-10	9.85E-10
1502	567149.47	4216538.11	5.41E-09	5.84E-09	1.12E-08	4.69E-09	5.17E-09	9.86E-09	5.67E-10	8.37E-10	1.40E-09	4.94E-10	5.15E-10	1.01E-09
1503	567164.25	4216542.76	5.53E-09	5.97E-09	1.15E-08	4.80E-09	5.29E-09	1.01E-08	5.81E-10	8.57E-10	1.44E-09	5.06E-10	5.28E-10	1.03E-09
1504	567179.02	4216547.4	5.66E-09	6.11E-09	1.18E-08	4.91E-09	5.41E-09	1.03E-08	5.94E-10	8.77E-10	1.47E-09	5.17E-10	5.40E-10	1.06E-09
1505	567193.8	4216552.04	5.79E-09	6.25E-09	1.20E-08	5.03E-09	5.53E-09	1.06E-08	6.08E-10	8.97E-10	1.50E-09	5.29E-10	5.52E-10	1.08E-09
1506	567208.58	4216556.69	5.92E-09	6.39E-09	1.23E-08	5.13E-09	5.65E-09	1.08E-08	6.21E-10	9.16E-10	1.54E-09	5.40E-10	5.64E-10	1.10E-09
1507	567223.36	4216561.33	6.03E-09	6.51E-09	1.25E-08	5.23E-09	5.76E-09	1.10E-08	6.33E-10	9.33E-10	1.57E-09	5.51E-10	5.75E-10	1.13E-09
1508	567238.13	4216565.98	6.14E-09	6.63E-09	1.28E-08	5.33E-09	5.87E-09	1.12E-08	6.44E-10	9.51E-10	1.59E-09	5.61E-10	5.85E-10	1.15E-09
1509	567252.91	4216570.62	6.25E-09	6.75E-09	1.30E-08	5.43E-09	5.97E-09	1.14E-08	6.56E-10	9.68E-10	1.62E-09	5.71E-10	5.96E-10	1.17E-09
1510	567089.85	4216521.86	4.95E-09	5.34E-09	1.03E-08	4.30E-09	4.73E-09	9.03E-09	5.19E-10	7.66E-10	1.29E-09	4.52E-10	4.72E-10	9.24E-10
1511	567073.65	4216820.13	7.18E-08	7.76E-08	1.49E-07	6.23E-08	6.86E-08	1.31E-07	7.54E-09	1.11E-08	1.87E-08	6.56E-09	6.85E-09	1.34E-08
1512	567067.94	4216828.01	8.59E-08	9.28E-08	1.79E-07	7.46E-08	8.21E-08	1.57E-07	9.01E-09	1.33E-08	2.23E-08	7.85E-09	8.19E-09	1.60E-08
1513	567062.23	4216835.9	1.02E-07	1.10E-07	2.11E-07	8.82E-08	9.71E-08	1.85E-07	1.07E-08	1.57E-08	2.64E-08	9.28E-09	9.69E-09	1.90E-08
1514	567056.52	4216843.78	1.17E-07	1.27E-07	2.44E-07	1.02E-07	1.12E-07	2.14E-07	1.23E-08	1.82E-08	3.05E-08	1.07E-08	1.12E-08	2.19E-08
1515	567050.8	4216851.67	1.31E-07	1.42E-07	2.73E-07	1.14E-07	1.25E-07	2.39E-07	1.38E-08	2.03E-08	3.41E-08	1.20E-08	1.25E-08	2.45E-08
1516	567045.09	4216859.55	1.43E-07	1.55E-07	2.98E-07	1.24E-07	1.37E-07	2.61E-07	1.50E-08	2.22E-08	3.72E-08	1.31E-08	1.37E-08	2.67E-08
1517	567039.38	4216867.44	1.53E-07	1.66E-07	3.19E-07	1.33E-07	1.47E-07	2.80E-07	1.61E-08	2.37E-08	3.98E-08	1.40E-08	1.46E-08	2.86E-08
1518	567033.67	4216875.32	1.62E-07	1.75E-07	3.37E-07	1.40E-07	1.55E-07	2.95E-07	1.70E-08	2.51E-08	4.20E-08	1.48E-08	1.54E-08	3.02E-08
1519	567027.96	4216883.21	1.70E-07	1.83E-07	3.52E-07	1.47E-07	1.62E-07	3.09E-07	1.78E-08	2.62E-08	4.40E-08	1.55E-08	1.62E-08	3.16E-08
1520	567022.24	4216891.09	1.76E-07	1.90E-07	3.66E-07	1.53E-07	1.68E-07	3.21E-07	1.85E-08	2.73E-08	4.57E-08	1.61E-08	1.68E-08	3.29E-08
1521	567016.53	4216898.98	1.81E-07	1.96E-07	3.77E-07	1.57E-07	1.73E-07	3.30E-07	1.90E-08	2.80E-08	4.71E-08	1.66E-08	1.73E-08	3.38E-08
1522	567010.82	4216906.86	1.85E-07	1.99E-07	3.84E-07	1.60E-07	1.76E-07	3.36E-07	1.94E-08	2.86E-08	4.79E-08	1.69E-08	1.76E-08	3.44E-08
1523	567005.11	4216914.75	1.86E-07	2.01E-07	3.86E-07	1.61E-07	1.77E-07	3.39E-07	1.95E-08	2.88E-08	4.82E-08	1.70E-08	1.77E-08	3.47E-08
1524	566999.39	4216922.63	1.85E-07	2.00E-07	3.86E-07	1.61E-07	1.77E-07	3.38E-07	1.95E-08	2.87E-08	4.82E-08	1.69E-08	1.77E-08	3.46E-08
1525	566993.68	4216930.52	1.83E-07	1.98E-07	3.81E-07	1.59E-07	1.75E-07	3.34E-07	1.92E-08	2.84E-08	4.76E-08	1.67E-08	1.75E-08	3.42E-08
1526	566987.97	4216938.4	1.80E-07	1.94E-07	3.74E-07	1.56E-07	1.72E-07	3.28E-07	1.88E-08	2.78E-08	4.67E-08	1.64E-08	1.71E-08	3.35E-08
1527	566982.26	4216946.29	1.73E-07	1.87E-07	3.60E-07	1.50E-07	1.66E-07	3.16E-07	1.82E-08	2.68E-08	4.50E-08	1.58E-08	1.65E-08	3.23E-08
1528	566976.55	4216954.17	1.64E-07	1.77E-07	3.40E-07	1.42E-07	1.56E-07	2.98E-07	1.72E-08	2.53E-08	4.25E-08	1.49E-08	1.56E-08	3.05E-08
1529	566970.83	4216962.06	1.51E-07	1.63E-07	3.14E-07	1.31E-07	1.44E-07	2.75E-07	1.58E-08	2.33E-08	3.92E-08	1.38E-08	1.44E-08	2.81E-08
1530	567070.88	4216809.7	5.65E-08	6.10E-08	1.17E-07	4.90E-08	5.40E-08	1.03E-07	5.92E-09	8.74E-09	1.47E-08	5.16E-09	5.38E-09	1.05E-08
1531	567059.84	4216822.14	7.17E-08	7.74E-08	1.49E-07	6.22E-08	6.85E-08	1.31E-07	7.52E-09	1.11E-08	1.86E-08	6.55E-09	6.84E-09	1.34E-08
1532	567054.13	4216830.03	8.31E-08	8.97E-08	1.73E-07	7.21E-08	7.94E-08	1.52E-07	8.72E-09	1.29E-08	2.16E-08	7.59E-09	7.92E-09	1.55E-08
1533	567048.42	4216837.91	9.47E-08	1.02E-07	1.97E-07	8.22E-08	9.05E-08	1.73E-07	9.94E-09	1.47E-08	2.46E-08	8.65E-09	9.03E-09	1.77E-08
1534	567042.71	4216845.8	1.06E-07	1.14E-07	2.20E-07	9.18E-08	1.01E-07	1.93E-07	1.11E-08	1.64E-08	2.75E-08	9.67E-09	1.01E-08	1.98E-08
1535	567036.99	4216853.68	1.16E-07	1.25E-07	2.40E-07	1.00E-07	1.10E-07	2.11E-07	1.21E-08	1.79E-08	3.00E-08	1.06E-08	1.10E-08	2.16E-08
1536	567031.28	4216861.57	1.24E-07	1.34E-07	2.58E-07	1.08E-07	1.19E-07	2.27E-07	1.30E-08	1.92E-08	3.23E-08	1.14E-08	1.18E-08	2.32E-08
1537	567025.57	4216869.45	1.32E-07	1.42E-07	2.74E-07	1.14E-07	1.26E-07	2.40E-07	1.38E-08	2.04E-08	3.42E-08	1.20E-08	1.26E-08	2.46E-08
1538	567019.86	4216877.34	1.38E-07	1.49E-07	2.88E-07	1.20E-07	1.32E-07	2.52E-07	1.45E-08	2.14E-08	3.59E-08	1.26E-08	1.32E-08	2.58E-08
1539	567014.15	4216885.22	1.44E-07	1.56E-07	3.00E-07	1.25E-07	1.38E-07	2.63E-07	1.51E-08	2.24E-08	3.75E-08	1.32E-08	1.38E-08	2.70E-08
1540	567008.43	4216893.11	1.49E-07	1.61E-07	3.10E-07	1.29E-07	1.42E-07	2.72E-07	1.56E-08	2.31E-08	3.87E-08	1.36E-08	1.42E-08	2.78E-08
1541	567002.72	4216900.99	1.52E-07	1.64E-07	3.17E-07	1.32E-07	1.45E-07	2.78E-07	1.60E-08	2.36E-08	3.95E-08	1.39E-08	1.45E-08	2.84E-08
1542	566997.01	4216908.88	1.54E-07	1.66E-07	3.20E-07	1.34E-07	1.47E-07	2.81E-07	1.62E-08	2.38E-08	4.00E-08	1.41E-08	1.47E-08	2.87E-08
1543	566991.3	4216916.76	1.54E-07	1.67E-07	3.21E-07	1.34E-07	1.48E-07	2.82E-07	1.62E-08	2.39E-08	4.01E-08	1.41E-08	1.47E-08	2.88E-08
1544	566985.58	4216924.65	1.54E-07	1.66E-07	3.20E-07	1.33E-07	1.47E-07	2.80E-07	1.61E-08	2.38E-08	3.99E-08	1.40E-08	1.47E-08	2.87E-08
1545	566979.87	4216932.53	1.51E-07	1.63E-07	3.15E-07	1.31E-07	1.45E-07	2.76E-07	1.59E-08	2.34E-08	3.93E-08	1.38E-08	1.44E-08	2.82E-08
1546	566974.16	4216940.42	1.47E-07	1.58E-07	3.05E-07	1.27E-07	1.40E-07	2.68E-07	1.54E-08	2.27E-08	3.81E-08	1.34E-08	1.40E-08	2.74E-08
1547	566968.45	4216948.3	1.40E-07	1.51E-07	2.92E-07	1.22E-07	1.34E-07	2.56E-07	1.47E-08	2.17E-08	3.64E-08	1.28E-08	1.34E-08	2.62E-08
1548	566962.74	4216956.19	1.32E-07	1.42E-07	2.74E-07	1.14E-07	1.26E-07	2.40E-07	1.38E-08	2.04E-08	3.42E-08	1.20E-08	1.25E-08	2.46E-08
1549	567064.56	4216802.31	4.85E-08	5.24E-08	1.01E-07	4.21E-08	4.64E-08	8.85E-08	5.09E-09	7.51E-09	1.26E-08	4.43E-09	4.63E-09	9.06E-09
1550	567057.46	4216808.39	5.37E-08	5.79E-08	1.12E-07	4.66E-08	5.13E-08	9.79E-08	5.63E-09	8.31E-09	1.39E-08	4.90E-09	5.12E-09	1.00E-08
1551	567051.74	4216816.28	6.14E-08	6.63E-08	1.28E-07	5.33E-08	5.87E-08	1.12E-07	6.44E-09	9.51E-09	1.60E-08	5.61E-09	5.86E-09	1.15E-08
1552	567046.03	4216824.16	7.01E-08	7.56E-08	1.46E-07	6.08E-08	6.69E-08	1.28E-07	7.35E-09	1.08E-08	1.82E-08	6.40E-09	6.68E-09	1.31E-08
1553	567040.32	4216832.05	7.90E-08	8.53E-08	1.64E-07	6.85E-08	7.55E-08	1.44E-07	8.29E-09	1.22E-08	2.05E-08	7.22E-09	7.53E-09	1.47E-08
1554	567034.61	4216839.93	8.77E-08	9.47E-08	1.82E-07	7.61E-08	8.38E-08	1.60E-07	9.20E-09	1.36E-08	2.28E-08	8.01E-09	8.36E-09	1.64E-08
1555	567028.9	4216847.82	9.59E-08	1.04E-07	1.99E-07	8.32E-08	9.16E-08	1.75E-07	1.01E-08	1.48E-08	2.49E-08	8.76E-09	9.14E-09	1.79E-08
1556	567023.18	4216855.7	1.03E-07	1.11E-07	2.15E-07	8.96E-08	9.86E-08	1.88E-07	1.08E-08	1.60E-08	2.68E-08	9.43E-09	9.84E-09	1.93E-08
1557	567017.47	4216863.59	1.10E-07	1.19E-07	2.29E-07	9.55E-08	1.05E-07	2.01E-07	1.15E-08	1.70E-08	2.86E-08	1.01E-08	1.05E-08	2.06E-08
1558	567011.76	4216871.47	1.16E-07	1.25E-07	2.41E-07	1.01E-07	1.11E-07	2.12E-07	1.22E-08	1.80E-08	3.01E-08	1.06E-08	1.11E-08	2.17E-08

1559	567006.05	4216879.36	1.21E-07	1.31E-07	2.52E-07	1.05E-07	1.16E-07	2.21E-07	1.27E-08	1.88E-08	3.15E-08	1.11E-08	1.16E-08	2.26E-08
1560	567000.33	4216887.24	1.25E-07	1.35E-07	2.61E-07	1.09E-07	1.20E-07	2.29E-07	1.31E-08	1.94E-08	3.26E-08	1.15E-08	1.19E-08	2.34E-08
1561	566994.62	4216895.13	1.28E-07	1.39E-07	2.67E-07	1.11E-07	1.23E-07	2.34E-07	1.35E-08	1.99E-08	3.33E-08	1.17E-08	1.22E-08	2.40E-08
1562	566988.91	4216903.01	1.30E-07	1.41E-07	2.71E-07	1.13E-07	1.25E-07	2.38E-07	1.37E-08	2.02E-08	3.39E-08	1.19E-08	1.24E-08	2.44E-08
1563	566983.2	4216910.9	1.32E-07	1.42E-07	2.73E-07	1.14E-07	1.26E-07	2.40E-07	1.38E-08	2.04E-08	3.42E-08	1.20E-08	1.25E-08	2.45E-08
1564	566977.49	4216918.78	1.31E-07	1.42E-07	2.73E-07	1.14E-07	1.25E-07	2.39E-07	1.38E-08	2.03E-08	3.41E-08	1.20E-08	1.25E-08	2.45E-08
1565	566971.77	4216926.67	1.30E-07	1.40E-07	2.70E-07	1.13E-07	1.24E-07	2.36E-07	1.36E-08	2.01E-08	3.37E-08	1.18E-08	1.24E-08	2.42E-08
1566	566966.06	4216934.55	1.27E-07	1.37E-07	2.63E-07	1.10E-07	1.21E-07	2.31E-07	1.33E-08	1.96E-08	3.29E-08	1.16E-08	1.21E-08	2.36E-08
1567	566960.35	4216942.44	1.22E-07	1.32E-07	2.54E-07	1.06E-07	1.17E-07	2.22E-07	1.28E-08	1.89E-08	3.17E-08	1.11E-08	1.16E-08	2.28E-08
1568	566954.64	4216950.32	1.16E-07	1.25E-07	2.41E-07	1.01E-07	1.11E-07	2.11E-07	1.22E-08	1.79E-08	3.01E-08	1.06E-08	1.11E-08	2.16E-08
1569	567055.28	4216797.46	4.41E-08	4.76E-08	9.16E-08	3.82E-08	4.21E-08	8.03E-08	4.62E-09	6.82E-09	1.14E-08	4.03E-09	4.20E-09	8.23E-09
1570	567074.7	4216785.5	3.67E-08	3.97E-08	7.64E-08	3.19E-08	3.51E-08	6.70E-08	3.85E-09	5.69E-09	9.54E-09	3.36E-09	3.50E-09	6.86E-09
1571	567043.65	4216810.41	5.37E-08	5.80E-08	1.12E-07	4.66E-08	5.13E-08	9.79E-08	5.63E-09	8.31E-09	1.39E-08	4.90E-09	5.12E-09	1.00E-08
1572	567037.93	4216818.3	6.05E-08	6.53E-08	1.26E-07	5.25E-08	5.78E-08	1.10E-07	6.34E-09	9.36E-09	1.57E-08	5.52E-09	5.76E-09	1.13E-08
1573	567032.22	4216826.18	6.75E-08	7.29E-08	1.40E-07	5.86E-08	6.45E-08	1.23E-07	7.08E-09	1.05E-08	1.75E-08	6.17E-09	6.44E-09	1.26E-08
1574	567026.51	4216834.07	7.46E-08	8.05E-08	1.55E-07	6.47E-08	7.12E-08	1.36E-07	7.82E-09	1.15E-08	1.94E-08	6.81E-09	7.11E-09	1.39E-08
1575	567020.8	4216841.95	8.14E-08	8.78E-08	1.69E-07	7.06E-08	7.77E-08	1.48E-07	8.53E-09	1.26E-08	2.11E-08	7.43E-09	7.76E-09	1.52E-08
1576	567015.09	4216849.84	8.78E-08	9.48E-08	1.83E-07	7.62E-08	8.39E-08	1.60E-07	9.21E-09	1.36E-08	2.28E-08	8.02E-09	8.37E-09	1.64E-08
1577	567009.37	4216857.72	9.37E-08	1.01E-07	1.95E-07	8.13E-08	8.95E-08	1.71E-07	9.83E-09	1.45E-08	2.43E-08	8.56E-09	8.93E-09	1.75E-08
1578	567003.66	4216865.61	9.90E-08	1.07E-07	2.06E-07	8.59E-08	9.45E-08	1.80E-07	1.04E-08	1.53E-08	2.57E-08	9.04E-09	9.43E-09	1.85E-08
1579	566997.95	4216873.49	1.03E-07	1.12E-07	2.15E-07	8.98E-08	9.89E-08	1.89E-07	1.09E-08	1.60E-08	2.69E-08	9.45E-09	9.86E-09	1.93E-08
1580	566992.24	4216881.38	1.07E-07	1.16E-07	2.23E-07	9.31E-08	1.02E-07	1.96E-07	1.13E-08	1.66E-08	2.79E-08	9.80E-09	1.02E-08	2.00E-08
1581	566986.52	4216889.26	1.10E-07	1.19E-07	2.29E-07	9.56E-08	1.05E-07	2.01E-07	1.16E-08	1.71E-08	2.86E-08	1.01E-08	1.05E-08	2.06E-08
1582	566980.81	4216897.15	1.12E-07	1.21E-07	2.34E-07	9.75E-08	1.07E-07	2.05E-07	1.18E-08	1.74E-08	2.92E-08	1.03E-08	1.07E-08	2.10E-08
1583	566975.1	4216905.03	1.14E-07	1.23E-07	2.36E-07	9.85E-08	1.08E-07	2.07E-07	1.19E-08	1.76E-08	2.95E-08	1.04E-08	1.08E-08	2.12E-08
1584	566969.39	4216912.92	1.14E-07	1.23E-07	2.36E-07	9.86E-08	1.09E-07	2.07E-07	1.19E-08	1.76E-08	2.95E-08	1.04E-08	1.08E-08	2.12E-08
1585	566963.68	4216920.8	1.13E-07	1.22E-07	2.34E-07	9.78E-08	1.08E-07	2.06E-07	1.18E-08	1.75E-08	2.93E-08	1.03E-08	1.07E-08	2.10E-08
1586	566957.96	4216928.69	1.11E-07	1.19E-07	2.30E-07	9.60E-08	1.06E-07	2.02E-07	1.16E-08	1.71E-08	2.87E-08	1.01E-08	1.05E-08	2.07E-08
1587	566952.25	4216936.57	1.07E-07	1.16E-07	2.23E-07	9.32E-08	1.03E-07	1.96E-07	1.13E-08	1.66E-08	2.79E-08	9.81E-09	1.02E-08	2.00E-08
1588	566946.54	4216944.46	1.03E-07	1.11E-07	2.14E-07	8.94E-08	9.84E-08	1.88E-07	1.08E-08	1.59E-08	2.68E-08	9.41E-09	9.82E-09	1.92E-08
1589	567048.36	4216790.58	3.91E-08	4.22E-08	8.13E-08	3.39E-08	3.74E-08	7.13E-08	4.10E-09	6.05E-09	1.02E-08	3.57E-09	3.73E-09	7.30E-09
1590	567055.47	4216784.5	3.59E-08	3.88E-08	7.47E-08	3.12E-08	3.43E-08	6.55E-08	3.77E-09	5.56E-09	9.33E-09	3.28E-09	3.42E-09	6.70E-09
1591	567071.67	4216776.23	3.20E-08	3.45E-08	6.65E-08	2.77E-08	3.05E-08	5.83E-08	3.35E-09	4.95E-09	8.30E-09	2.92E-09	3.05E-09	5.97E-09
1592	567041.26	4216796.66	4.25E-08	4.59E-08	8.83E-08	3.69E-08	4.06E-08	7.74E-08	4.46E-09	6.58E-09	1.10E-08	3.88E-09	4.05E-09	7.93E-09
1593	567035.55	4216804.54	4.75E-08	5.13E-08	9.88E-08	4.12E-08	4.54E-08	8.66E-08	4.99E-09	7.36E-09	1.23E-08	4.34E-09	4.53E-09	8.87E-09
1594	567029.84	4216812.43	5.31E-08	5.73E-08	1.10E-07	4.60E-08	5.07E-08	9.67E-08	5.56E-09	8.21E-09	1.38E-08	4.85E-09	5.06E-09	9.90E-09
1595	567024.12	4216820.31	5.88E-08	6.35E-08	1.22E-07	5.10E-08	5.62E-08	1.07E-07	6.17E-09	9.11E-09	1.53E-08	5.37E-09	5.61E-09	1.10E-08
1596	567018.41	4216828.2	6.46E-08	6.97E-08	1.34E-07	5.60E-08	6.17E-08	1.18E-07	6.77E-09	1.00E-08	1.68E-08	5.90E-09	6.15E-09	1.21E-08
1597	567012.7	4216836.08	7.03E-08	7.59E-08	1.46E-07	6.10E-08	6.71E-08	1.28E-07	7.37E-09	1.09E-08	1.82E-08	6.42E-09	6.70E-09	1.31E-08
1598	567006.99	4216843.97	7.58E-08	8.18E-08	1.58E-07	6.58E-08	7.24E-08	1.38E-07	7.95E-09	1.17E-08	1.97E-08	6.92E-09	7.22E-09	1.41E-08
1599	567001.27	4216851.85	8.09E-08	8.73E-08	1.68E-07	7.02E-08	7.73E-08	1.47E-07	8.49E-09	1.25E-08	2.10E-08	7.39E-09	7.71E-09	1.51E-08
1600	566995.56	4216859.74	8.55E-08	9.23E-08	1.78E-07	7.42E-08	8.17E-08	1.56E-07	8.97E-09	1.32E-08	2.22E-08	7.81E-09	8.15E-09	1.60E-08
1601	566989.85	4216867.62	8.96E-08	9.67E-08	1.86E-07	7.77E-08	8.55E-08	1.63E-07	9.39E-09	1.39E-08	2.33E-08	8.18E-09	8.54E-09	1.67E-08
1602	566984.14	4216875.51	9.30E-08	1.00E-07	1.93E-07	8.07E-08	8.88E-08	1.70E-07	9.75E-09	1.44E-08	2.42E-08	8.49E-09	8.86E-09	1.74E-08
1603	566978.43	4216883.39	9.58E-08	1.03E-07	1.99E-07	8.31E-08	9.15E-08	1.75E-07	1.00E-08	1.48E-08	2.49E-08	8.75E-09	9.13E-09	1.79E-08
1604	566972.71	4216891.28	9.78E-08	1.06E-07	2.03E-07	8.49E-08	9.34E-08	1.78E-07	1.03E-08	1.51E-08	2.54E-08	8.93E-09	9.32E-09	1.83E-08
1605	566967	4216899.16	9.91E-08	1.07E-07	2.06E-07	8.60E-08	9.46E-08	1.81E-07	1.04E-08	1.53E-08	2.57E-08	9.05E-09	9.44E-09	1.85E-08
1606	566961.29	4216907.05	9.95E-08	1.07E-07	2.07E-07	8.63E-08	9.50E-08	1.81E-07	1.04E-08	1.54E-08	2.58E-08	9.09E-09	9.48E-09	1.86E-08
1607	566955.58	4216914.93	9.90E-08	1.07E-07	2.06E-07	8.59E-08	9.46E-08	1.81E-07	1.04E-08	1.53E-08	2.57E-08	9.05E-09	9.44E-09	1.85E-08
1608	566949.86	4216922.82	9.77E-08	1.05E-07	2.03E-07	8.47E-08	9.33E-08	1.78E-07	1.02E-08	1.51E-08	2.54E-08	8.92E-09	9.31E-09	1.82E-08
1609	566944.15	4216930.7	9.54E-08	1.03E-07	1.98E-07	8.27E-08	9.11E-08	1.74E-07	1.00E-08	1.48E-08	2.48E-08	8.71E-09	9.09E-09	1.78E-08
1610	566938.44	4216938.59	9.22E-08	9.95E-08	1.92E-07	8.00E-08	8.80E-08	1.68E-07	9.67E-09	1.43E-08	2.39E-08	8.42E-09	8.79E-09	1.72E-08
1611	567039.38	4216785.47	3.58E-08	3.87E-08	7.45E-08	3.11E-08	3.42E-08	6.53E-08	3.76E-09	5.54E-09	9.30E-09	3.27E-09	3.41E-09	6.68E-09
1612	567051.81	4216774.83	3.12E-08	3.36E-08	6.48E-08	2.70E-08	2.98E-08	5.68E-08	3.27E-09	4.82E-09	8.09E-09	2.85E-09	2.97E-09	5.82E-09
1613	567065.98	4216767.6	2.84E-08	3.06E-08	5.90E-08	2.46E-08	2.71E-08	5.17E-08	2.98E-09	4.39E-09	7.37E-09	2.59E-09	2.70E-09	5.30E-09
1614	567027.45	4216798.68	4.25E-08	4.59E-08	8.84E-08	3.69E-08	4.06E-08	7.75E-08	4.46E-09	6.58E-09	1.10E-08	3.88E-09	4.05E-09	7.94E-09
1615	567021.74	4216806.56	4.71E-08	5.08E-08	9.79E-08	4.08E-08	4.50E-08	8.58E-08	4.94E-09	7.29E-09	1.22E-08	4.30E-09	4.49E-09	8.79E-09
1616	567016.03	4216814.45	5.19E-08	5.60E-08	1.08E-07	4.50E-08	4.95E-08	9.45E-08	5.44E-09	8.03E-09	1.35E-08	4.74E-09	4.94E-09	9.68E-09
1617	567010.31	4216822.33	5.67E-08	6.12E-08	1.18E-07	4.92E-08	5.41E-08	1.03E-07	5.94E-09	8.77E-09	1.47E-08	5.18E-09	5.40E-09	1.06E-08
1618	567004.6	4216830.22	6.15E-08	6.64E-08	1.28E-07	5.33E-08	5.87E-08	1.12E-07	6.45E-09	9.51E-09	1.60E-08	5.61E-09	5.86E-09	1.15E-08
1619	566998.89	4216838.1	6.62E-08	7.14E-08	1.38E-07	5.74E-08	6.32E-08	1.21E-07	6.94E-09	1.02E-08	1.72E-08	6.05E-09	6.31E-09	1.24E-08
1620	566993.18	4216845.99	7.07E-08	7.63E-08	1.47E-07	6.14E-08	6.76E-08	1.29E-07	7.42E-09	1.09E-08	1.84E-08	6.46E-09	6.74E-09	1.32E-08
1621	566987.46	4216853.87	7.47E-08	8.07E-08	1.55E-07	6.49E-08	7.14E-08	1.36E-07	7.84E-09	1.16E-08	1.94E-08	6.83E-09	7.12E-09	1.40E-08
1622	566981.75	4216861.76	7.84E-08	8.46E-08	1.63E-07	6.80E-08	7.48E-08	1.43E-07	8.22E-09	1.21E-08	2.03E-08	7.16E-09	7.47E-09	1.46E-08
1623	566976.04	4216869.64	8.15E-08	8.79E-08	1.69E-07	7.07E-08	7.78E-08	1.48E-07	8.54E-09	1.26E-08	2.12E-08	7.44E-09	7.76E-09	1.52E-08
1624	566970.33	4216877.53	8.40E-08	9.07E-08	1.75E-07	7.29E-08	8.02E-08	1.53E-07	8.81E-09	1.30E-08	2.18E-08	7.67E-09	8.01E-09	1.57E-08
1625	566964.62	4216885.41	8.60E-08	9.28E-08	1.79E-07	7.46E-08	8.21E-08	1.57E-07	9.02E-09	1.33E-08	2.23E-08	7.85E-09	8.19E-09	1.60E-08
1626	566958.9	4216893.3	8.73E-08	9.42E-08	1.81E-07	7.57E-08	8.34E-08	1.59E-07	9.15E-09	1.35E-08	2.27E-08	7.97E-09	8.32E-09	1.63E-08
1627	566953.19	4216901.18	8.79E-08	9.48E-08	1.83E-07	7.62E-08	8.39E-08	1.60E-07	9.22E-09	1.36E-08	2.28E-08	8.03E-09	8.38E-09	1.64E-08
1628	566947.48	4216909.07	8.78E-08	9.47E-08	1.82E-07	7.61E-08	8.38E-08	1.60E-07	9.20E-09	1.36E-08	2.28E-08	8.02E-09	8.36E-09	1.64E-08
1629	566941.77	4216916.95	8.69E-08	9.38E-08	1.81E-07	7.54E-08	8.30E-08	1.58E-07	9.11E-09	1.34E-08	2.26E-08	7.94E-09	8.28E-09	1.62E-08

1630	566936.05	4216924.84	8.53E-08	9.20E-08	1.77E-07	7.40E-08	8.14E-08	1.55E-07	8.94E-09	1.32E-08	2.21E-08	7.79E-09	8.13E-09	1.59E-08
1631	566930.34	4216932.72	8.29E-08	8.95E-08	1.72E-07	7.20E-08	7.92E-08	1.51E-07	8.70E-09	1.28E-08	2.15E-08	7.58E-09	7.91E-09	1.55E-08
1632	567032.17	4216778.85	3.24E-08	3.49E-08	6.73E-08	2.81E-08	3.09E-08	5.90E-08	3.39E-09	5.01E-09	8.40E-09	2.96E-09	3.08E-09	6.04E-09
1633	567039.27	4216772.77	3.00E-08	3.24E-08	6.25E-08	2.61E-08	2.87E-08	5.48E-08	3.15E-09	4.65E-09	7.80E-09	2.74E-09	2.86E-09	5.61E-09
1634	567046.38	4216766.68	2.79E-08	3.01E-08	5.80E-08	2.42E-08	2.66E-08	5.08E-08	2.92E-09	4.32E-09	7.24E-09	2.55E-09	2.66E-09	5.20E-09
1635	567062.57	4216758.42	2.53E-08	2.73E-08	5.25E-08	2.19E-08	2.41E-08	4.60E-08	2.65E-09	3.91E-09	6.56E-09	2.31E-09	2.41E-09	4.71E-09
1636	567025.06	4216784.93	3.48E-08	3.75E-08	7.23E-08	3.02E-08	3.32E-08	6.34E-08	3.65E-09	5.38E-09	9.03E-09	3.18E-09	3.31E-09	6.49E-09
1637	567019.35	4216792.81	3.84E-08	4.14E-08	7.98E-08	3.33E-08	3.66E-08	6.99E-08	4.02E-09	5.94E-09	9.96E-09	3.50E-09	3.66E-09	7.16E-09
1638	567013.64	4216800.7	4.22E-08	4.56E-08	8.78E-08	3.66E-08	4.03E-08	7.69E-08	4.43E-09	6.53E-09	1.10E-08	3.86E-09	4.02E-09	7.88E-09
1639	567007.93	4216808.58	4.62E-08	4.99E-08	9.61E-08	4.01E-08	4.41E-08	8.42E-08	4.85E-09	7.15E-09	1.20E-08	4.22E-09	4.40E-09	8.62E-09
1640	567002.22	4216816.47	5.02E-08	5.42E-08	1.04E-07	4.36E-08	4.80E-08	9.16E-08	5.27E-09	7.78E-09	1.30E-08	4.59E-09	4.79E-09	9.38E-09
1641	566996.5	4216824.35	5.43E-08	5.87E-08	1.13E-07	4.71E-08	5.19E-08	9.90E-08	5.70E-09	8.41E-09	1.41E-08	4.96E-09	5.18E-09	1.01E-08
1642	566990.79	4216832.24	5.84E-08	6.31E-08	1.21E-07	5.07E-08	5.58E-08	1.06E-07	6.13E-09	9.04E-09	1.52E-08	5.34E-09	5.57E-09	1.09E-08
1643	566985.08	4216840.12	6.24E-08	6.73E-08	1.30E-07	5.41E-08	5.96E-08	1.14E-07	6.54E-09	9.65E-09	1.62E-08	5.70E-09	5.94E-09	1.16E-08
1644	566979.37	4216848.01	6.60E-08	7.12E-08	1.37E-07	5.73E-08	6.30E-08	1.20E-07	6.92E-09	1.02E-08	1.71E-08	6.03E-09	6.29E-09	1.23E-08
1645	566973.65	4216855.89	6.92E-08	7.47E-08	1.44E-07	6.00E-08	6.61E-08	1.26E-07	7.26E-09	1.07E-08	1.80E-08	6.32E-09	6.59E-09	1.29E-08
1646	566967.94	4216863.78	7.20E-08	7.77E-08	1.50E-07	6.25E-08	6.88E-08	1.31E-07	7.55E-09	1.11E-08	1.87E-08	6.58E-09	6.86E-09	1.34E-08
1647	566962.23	4216871.66	7.43E-08	8.02E-08	1.55E-07	6.45E-08	7.10E-08	1.35E-07	7.80E-09	1.15E-08	1.93E-08	6.79E-09	7.08E-09	1.39E-08
1648	566956.52	4216879.55	7.62E-08	8.22E-08	1.58E-07	6.61E-08	7.28E-08	1.39E-07	7.99E-09	1.18E-08	1.98E-08	6.96E-09	7.26E-09	1.42E-08
1649	566950.81	4216887.43	7.75E-08	8.36E-08	1.61E-07	6.72E-08	7.40E-08	1.41E-07	8.13E-09	1.20E-08	2.01E-08	7.08E-09	7.38E-09	1.45E-08
1650	566945.09	4216895.32	7.82E-08	8.44E-08	1.63E-07	6.78E-08	7.47E-08	1.43E-07	8.20E-09	1.21E-08	2.03E-08	7.14E-09	7.45E-09	1.46E-08
1651	566939.38	4216903.2	7.83E-08	8.45E-08	1.63E-07	6.79E-08	7.48E-08	1.43E-07	8.21E-09	1.21E-08	2.03E-08	7.15E-09	7.46E-09	1.46E-08
1652	566933.67	4216911.09	7.78E-08	8.40E-08	1.62E-07	6.75E-08	7.43E-08	1.42E-07	8.16E-09	1.20E-08	2.02E-08	7.11E-09	7.42E-09	1.45E-08
1653	566927.96	4216918.97	7.67E-08	8.28E-08	1.60E-07	6.66E-08	7.33E-08	1.40E-07	8.05E-09	1.19E-08	1.99E-08	7.01E-09	7.31E-09	1.43E-08
1654	566922.24	4216926.86	7.50E-08	8.10E-08	1.56E-07	6.51E-08	7.17E-08	1.37E-07	7.87E-09	1.16E-08	1.95E-08	6.85E-09	7.15E-09	1.40E-08
1655	567023.36	4216773.59	2.99E-08	3.23E-08	6.22E-08	2.59E-08	2.86E-08	5.45E-08	3.14E-09	4.63E-09	7.77E-09	2.73E-09	2.85E-09	5.58E-09
1656	567036.15	4216762.64	2.64E-08	2.85E-08	5.48E-08	2.29E-08	2.52E-08	4.81E-08	2.77E-09	4.08E-09	6.85E-09	2.41E-09	2.51E-09	4.92E-09
1657	567057.12	4216749.73	2.28E-08	2.46E-08	4.74E-08	1.98E-08	2.18E-08	4.15E-08	2.39E-09	3.53E-09	5.92E-09	2.08E-09	2.17E-09	4.25E-09
1658	567011.25	4216786.94	3.49E-08	3.77E-08	7.26E-08	3.03E-08	3.34E-08	6.37E-08	3.66E-09	5.40E-09	9.07E-09	3.19E-09	3.33E-09	6.52E-09
1659	567005.54	4216794.83	3.82E-08	4.12E-08	7.94E-08	3.31E-08	3.65E-08	6.96E-08	4.01E-09	5.91E-09	9.92E-09	3.49E-09	3.64E-09	7.13E-09
1660	566999.83	4216802.71	4.16E-08	4.49E-08	8.64E-08	3.61E-08	3.97E-08	7.58E-08	4.36E-09	6.43E-09	1.08E-08	3.80E-09	3.96E-09	7.76E-09
1661	566994.12	4216810.6	4.50E-08	4.86E-08	9.36E-08	3.91E-08	4.30E-08	8.21E-08	4.72E-09	6.97E-09	1.17E-08	4.11E-09	4.29E-09	8.40E-09
1662	566988.4	4216818.48	4.85E-08	5.24E-08	1.01E-07	4.21E-08	4.64E-08	8.85E-08	5.09E-09	7.51E-09	1.26E-08	4.43E-09	4.63E-09	9.06E-09
1663	566982.69	4216826.37	5.21E-08	5.62E-08	1.08E-07	4.52E-08	4.97E-08	9.49E-08	5.46E-09	8.06E-09	1.35E-08	4.76E-09	4.96E-09	9.72E-09
1664	566976.98	4216834.25	5.55E-08	5.99E-08	1.15E-07	4.81E-08	5.30E-08	1.01E-07	5.82E-09	8.59E-09	1.44E-08	5.07E-09	5.29E-09	1.04E-08
1665	566971.27	4216842.14	5.87E-08	6.34E-08	1.22E-07	5.09E-08	5.61E-08	1.07E-07	6.16E-09	9.09E-09	1.52E-08	5.36E-09	5.59E-09	1.10E-08
1666	566965.56	4216850.02	6.16E-08	6.65E-08	1.28E-07	5.34E-08	5.88E-08	1.12E-07	6.46E-09	9.53E-09	1.60E-08	5.63E-09	5.87E-09	1.15E-08
1667	566959.84	4216857.91	6.41E-08	6.92E-08	1.33E-07	5.56E-08	6.12E-08	1.17E-07	6.72E-09	9.92E-09	1.66E-08	5.86E-09	6.11E-09	1.20E-08
1668	566954.13	4216865.79	6.62E-08	7.15E-08	1.38E-07	5.75E-08	6.33E-08	1.21E-07	6.95E-09	1.03E-08	1.72E-08	6.05E-09	6.31E-09	1.24E-08
1669	566948.42	4216873.68	6.80E-08	7.34E-08	1.41E-07	5.90E-08	6.49E-08	1.24E-07	7.13E-09	1.05E-08	1.77E-08	6.21E-09	6.48E-09	1.27E-08
1670	566942.71	4216881.56	6.92E-08	7.47E-08	1.44E-07	6.01E-08	6.61E-08	1.26E-07	7.26E-09	1.07E-08	1.80E-08	6.33E-09	6.60E-09	1.29E-08
1671	566936.99	4216889.45	7.00E-08	7.56E-08	1.46E-07	6.08E-08	6.69E-08	1.28E-07	7.35E-09	1.08E-08	1.82E-08	6.40E-09	6.68E-09	1.31E-08
1672	566931.28	4216897.33	7.03E-08	7.59E-08	1.46E-07	6.10E-08	6.72E-08	1.28E-07	7.38E-09	1.09E-08	1.83E-08	6.42E-09	6.70E-09	1.31E-08
1673	566925.57	4216905.22	7.01E-08	7.57E-08	1.46E-07	6.08E-08	6.70E-08	1.28E-07	7.35E-09	1.09E-08	1.82E-08	6.40E-09	6.68E-09	1.31E-08
1674	566919.86	4216913.1	6.94E-08	7.49E-08	1.44E-07	6.02E-08	6.63E-08	1.26E-07	7.28E-09	1.07E-08	1.80E-08	6.34E-09	6.61E-09	1.30E-08
1675	566914.15	4216920.99	6.82E-08	7.36E-08	1.42E-07	5.91E-08	6.51E-08	1.24E-07	7.15E-09	1.06E-08	1.77E-08	6.23E-09	6.50E-09	1.27E-08
1676	567015.97	4216767.11	2.74E-08	2.96E-08	5.71E-08	2.38E-08	2.62E-08	5.00E-08	2.88E-09	4.25E-09	7.13E-09	2.51E-09	2.62E-09	5.12E-09
1677	567023.08	4216761.03	2.57E-08	2.77E-08	5.34E-08	2.23E-08	2.45E-08	4.68E-08	2.69E-09	3.97E-09	6.66E-09	2.34E-09	2.45E-09	4.79E-09
1678	567030.18	4216754.95	2.40E-08	2.59E-08	4.99E-08	2.08E-08	2.29E-08	4.38E-08	2.52E-09	3.72E-09	6.24E-09	2.19E-09	2.29E-09	4.48E-09
1679	567008.87	4216773.19	2.93E-08	3.16E-08	6.09E-08	2.54E-08	2.80E-08	5.34E-08	3.07E-09	4.54E-09	7.61E-09	2.68E-09	2.79E-09	5.47E-09
1680	567003.16	4216781.08	3.20E-08	3.45E-08	6.65E-08	2.78E-08	3.06E-08	5.83E-08	3.36E-09	4.95E-09	8.31E-09	2.92E-09	3.05E-09	5.97E-09
1681	566997.44	4216788.96	3.48E-08	3.76E-08	7.24E-08	3.02E-08	3.33E-08	6.35E-08	3.65E-09	5.39E-09	9.04E-09	3.18E-09	3.32E-09	6.50E-09
1682	566991.73	4216796.85	3.77E-08	4.07E-08	7.85E-08	3.27E-08	3.61E-08	6.88E-08	3.96E-09	5.84E-09	9.80E-09	3.45E-09	3.60E-09	7.05E-09
1683	566986.02	4216804.73	4.07E-08	4.40E-08	8.47E-08	3.53E-08	3.89E-08	7.43E-08	4.27E-09	6.31E-09	1.06E-08	3.72E-09	3.88E-09	7.60E-09
1684	566980.31	4216812.62	4.38E-08	4.72E-08	9.10E-08	3.80E-08	4.18E-08	7.98E-08	4.59E-09	6.77E-09	1.14E-08	4.00E-09	4.17E-09	8.17E-09
1685	566974.59	4216820.5	4.68E-08	5.05E-08	9.73E-08	4.06E-08	4.47E-08	8.53E-08	4.91E-09	7.24E-09	1.21E-08	4.27E-09	4.46E-09	8.73E-09
1686	566968.88	4216828.39	4.98E-08	5.37E-08	1.03E-07	4.32E-08	4.75E-08	9.07E-08	5.22E-09	7.70E-09	1.29E-08	4.55E-09	4.74E-09	9.29E-09
1687	566963.17	4216836.27	5.26E-08	5.68E-08	1.09E-07	4.56E-08	5.02E-08	9.59E-08	5.52E-09	8.14E-09	1.37E-08	4.80E-09	5.01E-09	9.82E-09
1688	566957.46	4216844.16	5.52E-08	5.96E-08	1.15E-07	4.79E-08	5.27E-08	1.01E-07	5.79E-09	8.55E-09	1.43E-08	5.04E-09	5.26E-09	1.03E-08
1689	566951.75	4216852.04	5.75E-08	6.21E-08	1.20E-07	4.99E-08	5.49E-08	1.05E-07	6.03E-09	8.90E-09	1.49E-08	5.25E-09	5.48E-09	1.07E-08
1690	566946.03	4216859.93	5.94E-08	6.42E-08	1.24E-07	5.16E-08	5.68E-08	1.08E-07	6.23E-09	9.20E-09	1.54E-08	5.43E-09	5.67E-09	1.11E-08
1691	566940.32	4216867.81	6.10E-08	6.59E-08	1.27E-07	5.30E-08	5.83E-08	1.11E-07	6.40E-09	9.45E-09	1.59E-08	5.58E-09	5.82E-09	1.14E-08
1692	566934.61	4216875.7	6.23E-08	6.72E-08	1.30E-07	5.40E-08	5.95E-08	1.14E-07	6.53E-09	9.64E-09	1.62E-08	5.69E-09	5.94E-09	1.16E-08
1693	566928.9	4216883.58	6.31E-08	6.81E-08	1.31E-07	5.48E-08	6.03E-08	1.15E-07	6.62E-09	9.77E-09	1.64E-08	5.76E-09	6.02E-09	1.18E-08
1694	566923.18	4216891.47	6.35E-08	6.86E-08	1.32E-07	5.51E-08	6.07E-08	1.16E-07	6.66E-09	9.83E-09	1.65E-08	5.80E-09	6.05E-09	1.19E-08
1695	566917.47	4216899.35	6.35E-08	6.85E-08	1.32E-07	5.51E-08	6.07E-08	1.16E-07	6.66E-09	9.83E-09	1.65E-08	5.80E-09	6.05E-09	1.19E-08
1696	566911.76	4216907.24	6.30E-08	6.81E-08	1.31E-07	5.47E-08	6.02E-08	1.15E-07	6.61E-09	9.76E-09	1.64E-08	5.76E-09	6.01E-09	1.18E-08
1697	566906.05	4216915.12	6.22E-08	6.71E-08	1.29E-07	5.39E-08	5.94E-08	1.13E-07	6.52E-09	9.62E-09	1.61E-08	5.68E-09	5.93E-09	1.16E-08
1698	567007.28	4216761.75	2.56E-08	2.76E-08	5.33E-08	2.22E-08	2.45E-08	4.67E-08	2.69E-09	3.96E-09	6.65E-09	2.34E-09	2.44E-09	4.78E-09
1699	566995.06	4216775.21	2.95E-08	3.18E-08	6.12E-08	2.56E-08	2.81E-08	5.37E-08	3.09E-09	4.56E-09	7.65E-09	2.69E-09	2.81E-09	5.50E-09
1700	566989.34	4216783.1	3.19E-08	3.45E-08	6.64E-08	2.77E-08	3.05E-08	5.82E-08	3.35E-09	4.94E-09	8.30E-09	2.92E-09	3.04E-09	5.96E-09

1701	566983.63	4216790.98	3.45E-08	3.73E-08	7.18E-08	2.99E-08	3.30E-08	6.29E-08	3.62E-09	5.34E-09	8.96E-09	3.15E-09	3.29E-09	6.44E-09
1702	566977.92	4216798.87	3.71E-08	4.01E-08	7.72E-08	3.22E-08	3.55E-08	6.77E-08	3.89E-09	5.75E-09	9.64E-09	3.39E-09	3.54E-09	6.93E-09
1703	566972.21	4216806.75	3.98E-08	4.29E-08	8.27E-08	3.45E-08	3.80E-08	7.25E-08	4.17E-09	6.15E-09	1.03E-08	3.63E-09	3.79E-09	7.42E-09
1704	566966.5	4216814.64	4.24E-08	4.57E-08	8.81E-08	3.68E-08	4.05E-08	7.72E-08	4.44E-09	6.56E-09	1.10E-08	3.87E-09	4.04E-09	7.91E-09
1705	566960.78	4216822.52	4.50E-08	4.85E-08	9.35E-08	3.90E-08	4.29E-08	8.19E-08	4.71E-09	6.96E-09	1.17E-08	4.11E-09	4.28E-09	8.39E-09
1706	566955.07	4216830.41	4.74E-08	5.12E-08	9.87E-08	4.12E-08	4.53E-08	8.65E-08	4.98E-09	7.34E-09	1.23E-08	4.33E-09	4.52E-09	8.86E-09
1707	566949.36	4216838.29	4.98E-08	5.37E-08	1.03E-07	4.32E-08	4.75E-08	9.07E-08	5.22E-09	7.70E-09	1.29E-08	4.55E-09	4.74E-09	9.29E-09
1708	566943.65	4216846.18	5.19E-08	5.60E-08	1.08E-07	4.50E-08	4.96E-08	9.46E-08	5.44E-09	8.03E-09	1.35E-08	4.74E-09	4.95E-09	9.69E-09
1709	566937.93	4216854.06	5.37E-08	5.79E-08	1.12E-07	4.66E-08	5.13E-08	9.78E-08	5.63E-09	8.31E-09	1.39E-08	4.90E-09	5.11E-09	1.00E-08
1710	566932.22	4216861.95	5.51E-08	5.95E-08	1.15E-07	4.78E-08	5.27E-08	1.01E-07	5.78E-09	8.54E-09	1.43E-08	5.04E-09	5.26E-09	1.03E-08
1711	566926.51	4216869.83	5.63E-08	6.08E-08	1.17E-07	4.89E-08	5.38E-08	1.03E-07	5.91E-09	8.72E-09	1.46E-08	5.14E-09	5.37E-09	1.05E-08
1712	566920.8	4216877.72	5.72E-08	6.17E-08	1.19E-07	4.96E-08	5.46E-08	1.04E-07	6.00E-09	8.85E-09	1.48E-08	5.22E-09	5.45E-09	1.07E-08
1713	566915.09	4216885.6	5.77E-08	6.22E-08	1.20E-07	5.00E-08	5.51E-08	1.05E-07	6.05E-09	8.92E-09	1.50E-08	5.27E-09	5.50E-09	1.08E-08
1714	566909.37	4216893.49	5.78E-08	6.24E-08	1.20E-07	5.01E-08	5.52E-08	1.05E-07	6.06E-09	8.94E-09	1.50E-08	5.28E-09	5.51E-09	1.08E-08
1715	566903.66	4216901.37	5.75E-08	6.21E-08	1.20E-07	4.99E-08	5.50E-08	1.05E-07	6.03E-09	8.90E-09	1.49E-08	5.25E-09	5.48E-09	1.07E-08
1716	566897.95	4216909.26	5.69E-08	6.14E-08	1.18E-07	4.94E-08	5.44E-08	1.04E-07	5.97E-09	8.81E-09	1.48E-08	5.20E-09	5.43E-09	1.06E-08
1717	567044.39	4216722.79	1.73E-08	1.87E-08	3.59E-08	1.50E-08	1.65E-08	3.15E-08	1.81E-09	2.68E-09	4.49E-09	1.58E-09	1.65E-09	3.23E-09
1718	567053.48	4216720.6	1.69E-08	1.83E-08	3.52E-08	1.47E-08	1.62E-08	3.09E-08	1.78E-09	2.62E-09	4.40E-09	1.55E-09	1.61E-09	3.16E-09
1719	567062.57	4216718.42	1.66E-08	1.79E-08	3.44E-08	1.44E-08	1.58E-08	3.02E-08	1.74E-09	2.56E-09	4.30E-09	1.51E-09	1.58E-09	3.09E-09
1720	567071.67	4216716.23	1.62E-08	1.75E-08	3.37E-08	1.41E-08	1.55E-08	2.96E-08	1.70E-09	2.51E-09	4.21E-09	1.48E-09	1.55E-09	3.03E-09
1721	567080.76	4216714.05	1.59E-08	1.72E-08	3.30E-08	1.38E-08	1.52E-08	2.90E-08	1.67E-09	2.46E-09	4.13E-09	1.45E-09	1.51E-09	2.97E-09
1722	566986.96	4216769.34	2.73E-08	2.94E-08	5.67E-08	2.36E-08	2.60E-08	4.97E-08	2.86E-09	4.22E-09	7.08E-09	2.49E-09	2.60E-09	5.09E-09
1723	566981.25	4216777.23	2.94E-08	3.18E-08	6.12E-08	2.55E-08	2.81E-08	5.37E-08	3.09E-09	4.56E-09	7.64E-09	2.69E-09	2.81E-09	5.49E-09
1724	566975.53	4216785.11	3.17E-08	3.42E-08	6.59E-08	2.75E-08	3.03E-08	5.78E-08	3.33E-09	4.91E-09	8.23E-09	2.90E-09	3.02E-09	5.92E-09
1725	566969.82	4216793	3.40E-08	3.67E-08	7.07E-08	2.95E-08	3.25E-08	6.20E-08	3.57E-09	5.26E-09	8.83E-09	3.11E-09	3.24E-09	6.35E-09
1726	566964.11	4216800.88	3.63E-08	3.92E-08	7.55E-08	3.15E-08	3.47E-08	6.62E-08	3.81E-09	5.62E-09	9.43E-09	3.32E-09	3.46E-09	6.78E-09
1727	566958.4	4216808.77	3.86E-08	4.17E-08	8.03E-08	3.35E-08	3.69E-08	7.04E-08	4.05E-09	5.98E-09	1.00E-08	3.53E-09	3.68E-09	7.21E-09
1728	566952.69	4216816.65	4.09E-08	4.41E-08	8.49E-08	3.54E-08	3.90E-08	7.45E-08	4.28E-09	6.32E-09	1.06E-08	3.73E-09	3.89E-09	7.63E-09
1729	566946.97	4216824.54	4.31E-08	4.65E-08	8.95E-08	3.74E-08	4.11E-08	7.85E-08	4.52E-09	6.66E-09	1.12E-08	3.93E-09	4.10E-09	8.04E-09
1730	566941.26	4216832.42	4.51E-08	4.87E-08	9.38E-08	3.92E-08	4.31E-08	8.23E-08	4.73E-09	6.99E-09	1.17E-08	4.12E-09	4.30E-09	8.42E-09
1731	566935.55	4216840.31	4.70E-08	5.08E-08	9.78E-08	4.08E-08	4.49E-08	8.57E-08	4.93E-09	7.28E-09	1.22E-08	4.30E-09	4.48E-09	8.78E-09
1732	566929.84	4216848.19	4.87E-08	5.25E-08	1.01E-07	4.22E-08	4.65E-08	8.87E-08	5.10E-09	7.53E-09	1.26E-08	4.45E-09	4.64E-09	9.08E-09
1733	566924.12	4216856.08	5.00E-08	5.40E-08	1.04E-07	4.34E-08	4.78E-08	9.12E-08	5.25E-09	7.74E-09	1.30E-08	4.57E-09	4.77E-09	9.34E-09
1734	566918.41	4216863.96	5.11E-08	5.52E-08	1.06E-07	4.44E-08	4.88E-08	9.32E-08	5.36E-09	7.91E-09	1.33E-08	4.67E-09	4.87E-09	9.54E-09
1735	566912.7	4216871.85	5.20E-08	5.61E-08	1.08E-07	4.51E-08	4.97E-08	9.48E-08	5.45E-09	8.05E-09	1.35E-08	4.75E-09	4.96E-09	9.71E-09
1736	566906.99	4216879.73	5.26E-08	5.67E-08	1.09E-07	4.56E-08	5.02E-08	9.58E-08	5.51E-09	8.14E-09	1.36E-08	4.80E-09	5.01E-09	9.81E-09
1737	566901.28	4216887.62	5.28E-08	5.70E-08	1.10E-07	4.58E-08	5.04E-08	9.62E-08	5.54E-09	8.17E-09	1.37E-08	4.82E-09	5.03E-09	9.85E-09
1738	566895.56	4216895.5	5.27E-08	5.69E-08	1.10E-07	4.57E-08	5.03E-08	9.61E-08	5.53E-09	8.16E-09	1.37E-08	4.81E-09	5.02E-09	9.84E-09
1739	566889.85	4216903.39	5.23E-08	5.65E-08	1.09E-07	4.54E-08	5.00E-08	9.53E-08	5.49E-09	8.10E-09	1.36E-08	4.78E-09	4.98E-09	9.76E-09
1740	567004.36	4216738.65	2.00E-08	2.16E-08	4.17E-08	1.74E-08	1.92E-08	3.65E-08	2.10E-09	3.10E-09	5.21E-09	1.83E-09	1.91E-09	3.74E-09
1741	567017.56	4216727.36	1.80E-08	1.95E-08	3.75E-08	1.56E-08	1.72E-08	3.29E-08	1.89E-09	2.79E-09	4.68E-09	1.65E-09	1.72E-09	3.37E-09
1742	567039.19	4216714.04	1.60E-08	1.72E-08	3.32E-08	1.38E-08	1.52E-08	2.91E-08	1.67E-09	2.47E-09	4.14E-09	1.46E-09	1.52E-09	2.98E-09
1743	567056.08	4216709.98	1.54E-08	1.66E-08	3.20E-08	1.33E-08	1.47E-08	2.80E-08	1.61E-09	2.38E-09	3.99E-09	1.40E-09	1.47E-09	2.87E-09
1744	567072.96	4216705.92	1.48E-08	1.60E-08	3.08E-08	1.28E-08	1.41E-08	2.70E-08	1.55E-09	2.29E-09	3.84E-09	1.35E-09	1.41E-09	2.76E-09
1745	566973.15	4216771.36	2.72E-08	2.94E-08	5.67E-08	2.36E-08	2.60E-08	4.97E-08	2.86E-09	4.22E-09	7.07E-09	2.49E-09	2.60E-09	5.09E-09
1746	566967.44	4216779.25	2.93E-08	3.16E-08	6.08E-08	2.54E-08	2.79E-08	5.33E-08	3.07E-09	4.53E-09	7.60E-09	2.67E-09	2.79E-09	5.46E-09
1747	566961.72	4216787.13	3.13E-08	3.38E-08	6.51E-08	2.72E-08	2.99E-08	5.71E-08	3.28E-09	4.85E-09	8.13E-09	2.86E-09	2.98E-09	5.85E-09
1748	566956.01	4216795.02	3.34E-08	3.60E-08	6.94E-08	2.89E-08	3.19E-08	6.08E-08	3.50E-09	5.16E-09	8.66E-09	3.05E-09	3.18E-09	6.23E-09
1749	566950.3	4216802.9	3.54E-08	3.82E-08	7.36E-08	3.07E-08	3.38E-08	6.45E-08	3.71E-09	5.48E-09	9.19E-09	3.23E-09	3.37E-09	6.61E-09
1750	566944.59	4216810.79	3.74E-08	4.03E-08	7.77E-08	3.24E-08	3.57E-08	6.81E-08	3.92E-09	5.78E-09	9.70E-09	3.41E-09	3.56E-09	6.98E-09
1751	566938.87	4216818.67	3.93E-08	4.24E-08	8.17E-08	3.41E-08	3.75E-08	7.16E-08	4.12E-09	6.08E-09	1.02E-08	3.59E-09	3.74E-09	7.33E-09
1752	566933.16	4216826.56	4.11E-08	4.44E-08	8.55E-08	3.57E-08	3.93E-08	7.50E-08	4.32E-09	6.37E-09	1.07E-08	3.76E-09	3.92E-09	7.68E-09
1753	566927.45	4216834.44	4.28E-08	4.62E-08	8.90E-08	3.71E-08	4.09E-08	7.80E-08	4.49E-09	6.63E-09	1.11E-08	3.91E-09	4.08E-09	7.99E-09
1754	566921.74	4216842.33	4.43E-08	4.78E-08	9.21E-08	3.84E-08	4.23E-08	8.08E-08	4.65E-09	6.86E-09	1.15E-08	4.05E-09	4.22E-09	8.27E-09
1755	566916.03	4216850.21	4.56E-08	4.92E-08	9.48E-08	3.95E-08	4.35E-08	8.31E-08	4.78E-09	7.05E-09	1.18E-08	4.16E-09	4.34E-09	8.51E-09
1756	566910.31	4216858.1	4.66E-08	5.03E-08	9.70E-08	4.05E-08	4.45E-08	8.50E-08	4.89E-09	7.22E-09	1.21E-08	4.26E-09	4.44E-09	8.70E-09
1757	566904.6	4216865.98	4.75E-08	5.13E-08	9.87E-08	4.12E-08	4.54E-08	8.66E-08	4.98E-09	7.35E-09	1.23E-08	4.34E-09	4.53E-09	8.86E-09
1758	566898.89	4216873.87	4.81E-08	5.19E-08	1.00E-07	4.17E-08	4.60E-08	8.77E-08	5.05E-09	7.45E-09	1.25E-08	4.39E-09	4.59E-09	8.98E-09
1759	566893.18	4216881.75	4.84E-08	5.23E-08	1.01E-07	4.20E-08	4.63E-08	8.83E-08	5.08E-09	7.50E-09	1.26E-08	4.42E-09	4.62E-09	9.04E-09
1760	566887.46	4216889.64	4.84E-08	5.23E-08	1.01E-07	4.20E-08	4.63E-08	8.83E-08	5.08E-09	7.50E-09	1.26E-08	4.43E-09	4.62E-09	9.04E-09
1761	566881.75	4216897.52	4.82E-08	5.20E-08	1.00E-07	4.18E-08	4.60E-08	8.79E-08	5.06E-09	7.46E-09	1.25E-08	4.40E-09	4.59E-09	9.00E-09
1762	566983.58	4216743.65	2.08E-08	2.25E-08	4.34E-08	1.81E-08	1.99E-08	3.80E-08	2.19E-09	3.23E-09	5.41E-09	1.90E-09	1.99E-09	3.89E-09
1763	566990.68	4216737.57	1.97E-08	2.13E-08	4.10E-08	1.71E-08	1.88E-08	3.60E-08	2.07E-09	3.05E-09	5.12E-09	1.80E-09	1.88E-09	3.68E-09
1764	566997.79	4216731.48	1.87E-08	2.01E-08	3.88E-08	1.62E-08	1.78E-08	3.40E-08	1.96E-09	2.89E-09	4.84E-09	1.70E-09	1.78E-09	3.48E-09
1765	567004.89	4216725.4	1.77E-08	1.91E-08	3.67E-08	1.53E-08	1.69E-08	3.22E-08	1.85E-09	2.73E-09	4.59E-09	1.61E-09	1.68E-09	3.30E-09
1766	567012	4216719.32	1.67E-08	1.81E-08	3.48E-08	1.45E-08	1.60E-08	3.05E-08	1.76E-09	2.59E-09	4.35E-09	1.53E-09	1.60E-09	3.12E-09
1767	567035.3	4216704.98	1.48E-08	1.59E-08	3.07E-08	1.28E-08	1.41E-08	2.69E-08	1.55E-09	2.28E-09	3.83E-09	1.35E-09	1.41E-09	2.75E-09
1768	567044.39	4216702.79	1.45E-08	1.56E-08	3.01E-08	1.26E-08	1.38E-08	2.64E-08	1.52E-09	2.24E-09	3.76E-09	1.32E-09	1.38E-09	2.70E-09
1769	567053.48	4216700.6	1.42E-08	1.53E-08	2.95E-08	1.23E-08	1.36E-08	2.59E-08	1.49E-09	2.20E-09	3.69E-09	1.30E-09	1.35E-09	2.65E-09
1770	567062.57	4216698.42	1.39E-08	1.50E-08	2.89E-08	1.21E-08	1.33E-08	2.54E-08	1.46E-09	2.15E-09	3.61E-09	1.27E-09	1.33E-09	2.60E-09
1771	567071.67	4216696.23	1.37E-08	1.47E-08	2.84E-08	1.18E-08	1.30E-08	2.49E-08	1.43E-09	2.11E-09	3.55E-09	1.25E-09	1.30E-09	2.55E-09

1772	567080.76	4216694.05	1.34E-08	1.45E-08	2.79E-08	1.16E-08	1.28E-08	2.44E-08	1.41E-09	2.08E-09	3.48E-09	1.22E-09	1.28E-09	2.50E-09
1773	566975.04	4216738.16	1.97E-08	2.13E-08	4.10E-08	1.71E-08	1.88E-08	3.59E-08	2.07E-09	3.05E-09	5.11E-09	1.80E-09	1.88E-09	3.68E-09
1774	566988.36	4216726.76	1.78E-08	1.92E-08	3.70E-08	1.55E-08	1.70E-08	3.25E-08	1.87E-09	2.76E-09	4.63E-09	1.63E-09	1.70E-09	3.33E-09
1775	567001.68	4216715.36	1.61E-08	1.74E-08	3.36E-08	1.40E-08	1.54E-08	2.94E-08	1.69E-09	2.50E-09	4.19E-09	1.47E-09	1.54E-09	3.01E-09
1776	567015	4216703.96	1.47E-08	1.58E-08	3.05E-08	1.27E-08	1.40E-08	2.67E-08	1.54E-09	2.27E-09	3.80E-09	1.34E-09	1.40E-09	2.73E-09
1777	567030.18	4216696.21	1.37E-08	1.48E-08	2.85E-08	1.19E-08	1.31E-08	2.50E-08	1.44E-09	2.12E-09	3.56E-09	1.25E-09	1.31E-09	2.56E-09
1778	567047.23	4216692.11	1.32E-08	1.43E-08	2.75E-08	1.15E-08	1.26E-08	2.41E-08	1.39E-09	2.05E-09	3.44E-09	1.21E-09	1.26E-09	2.47E-09
1779	567064.28	4216688.01	1.28E-08	1.38E-08	2.66E-08	1.11E-08	1.22E-08	2.33E-08	1.34E-09	1.98E-09	3.32E-09	1.17E-09	1.22E-09	2.39E-09
1780	566939.82	4216783.28	2.85E-08	3.08E-08	5.92E-08	2.47E-08	2.72E-08	5.19E-08	2.99E-09	4.41E-09	7.40E-09	2.60E-09	2.72E-09	5.32E-09
1781	566934.1	4216791.17	3.01E-08	3.25E-08	6.26E-08	2.61E-08	2.88E-08	5.49E-08	3.16E-09	4.66E-09	7.82E-09	2.75E-09	2.87E-09	5.62E-09
1782	566928.39	4216799.05	3.17E-08	3.42E-08	6.59E-08	2.75E-08	3.03E-08	5.78E-08	3.32E-09	4.91E-09	8.23E-09	2.90E-09	3.02E-09	5.92E-09
1783	566922.68	4216806.94	3.32E-08	3.59E-08	6.91E-08	2.88E-08	3.17E-08	6.06E-08	3.48E-09	5.14E-09	8.63E-09	3.03E-09	3.17E-09	6.20E-09
1784	566916.97	4216814.82	3.47E-08	3.74E-08	7.21E-08	3.01E-08	3.31E-08	6.32E-08	3.64E-09	5.37E-09	9.00E-09	3.17E-09	3.30E-09	6.47E-09
1785	566911.25	4216822.71	3.60E-08	3.89E-08	7.49E-08	3.13E-08	3.44E-08	6.57E-08	3.78E-09	5.58E-09	9.36E-09	3.29E-09	3.43E-09	6.73E-09
1786	566905.54	4216830.59	3.73E-08	4.02E-08	7.75E-08	3.23E-08	3.56E-08	6.79E-08	3.91E-09	5.77E-09	9.67E-09	3.40E-09	3.55E-09	6.95E-09
1787	566899.83	4216838.48	3.83E-08	4.14E-08	7.97E-08	3.33E-08	3.66E-08	6.99E-08	4.02E-09	5.93E-09	9.96E-09	3.50E-09	3.65E-09	7.16E-09
1788	566894.12	4216846.36	3.93E-08	4.24E-08	8.17E-08	3.41E-08	3.75E-08	7.16E-08	4.12E-09	6.08E-09	1.02E-08	3.59E-09	3.74E-09	7.33E-09
1789	566888.41	4216854.25	4.01E-08	4.33E-08	8.34E-08	3.48E-08	3.83E-08	7.31E-08	4.20E-09	6.20E-09	1.04E-08	3.66E-09	3.82E-09	7.48E-09
1790	566882.69	4216862.13	4.07E-08	4.39E-08	8.46E-08	3.53E-08	3.89E-08	7.42E-08	4.27E-09	6.30E-09	1.06E-08	3.72E-09	3.88E-09	7.60E-09
1791	566876.98	4216870.02	4.11E-08	4.44E-08	8.55E-08	3.57E-08	3.93E-08	7.50E-08	4.31E-09	6.37E-09	1.07E-08	3.76E-09	3.92E-09	7.68E-09
1792	566871.27	4216877.9	4.13E-08	4.46E-08	8.59E-08	3.59E-08	3.95E-08	7.53E-08	4.33E-09	6.40E-09	1.07E-08	3.77E-09	3.94E-09	7.71E-09
1793	566967.38	4216731.91	1.85E-08	2.00E-08	3.86E-08	1.61E-08	1.77E-08	3.38E-08	1.94E-09	2.87E-09	4.81E-09	1.69E-09	1.77E-09	3.46E-09
1794	566974.49	4216725.83	1.76E-08	1.90E-08	3.66E-08	1.53E-08	1.68E-08	3.21E-08	1.85E-09	2.73E-09	4.58E-09	1.61E-09	1.68E-09	3.29E-09
1795	566981.59	4216719.75	1.67E-08	1.81E-08	3.48E-08	1.45E-08	1.60E-08	3.05E-08	1.76E-09	2.59E-09	4.35E-09	1.53E-09	1.60E-09	3.12E-09
1796	566988.7	4216713.67	1.59E-08	1.72E-08	3.30E-08	1.38E-08	1.52E-08	2.90E-08	1.67E-09	2.46E-09	4.13E-09	1.45E-09	1.51E-09	2.97E-09
1797	566995.8	4216707.59	1.51E-08	1.63E-08	3.14E-08	1.31E-08	1.44E-08	2.75E-08	1.58E-09	2.34E-09	3.92E-09	1.38E-09	1.44E-09	2.82E-09
1798	567002.9	4216701.51	1.44E-08	1.55E-08	2.99E-08	1.25E-08	1.37E-08	2.62E-08	1.51E-09	2.22E-09	3.73E-09	1.31E-09	1.37E-09	2.68E-09
1799	567010.01	4216695.43	1.37E-08	1.48E-08	2.84E-08	1.19E-08	1.31E-08	2.49E-08	1.43E-09	2.12E-09	3.55E-09	1.25E-09	1.30E-09	2.55E-09
1800	567026.21	4216687.16	1.28E-08	1.38E-08	2.65E-08	1.11E-08	1.22E-08	2.33E-08	1.34E-09	1.97E-09	3.31E-09	1.17E-09	1.22E-09	2.38E-09
1801	567035.3	4216684.98	1.25E-08	1.35E-08	2.60E-08	1.09E-08	1.20E-08	2.28E-08	1.31E-09	1.94E-09	3.25E-09	1.14E-09	1.19E-09	2.34E-09
1802	567044.39	4216682.79	1.23E-08	1.33E-08	2.56E-08	1.07E-08	1.17E-08	2.24E-08	1.29E-09	1.90E-09	3.19E-09	1.12E-09	1.17E-09	2.30E-09
1803	567053.48	4216680.6	1.21E-08	1.30E-08	2.51E-08	1.05E-08	1.15E-08	2.20E-08	1.27E-09	1.87E-09	3.14E-09	1.10E-09	1.15E-09	2.26E-09
1804	567062.57	4216678.42	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.13E-08	2.16E-08	1.24E-09	1.84E-09	3.08E-09	1.08E-09	1.13E-09	2.21E-09
1805	567071.67	4216676.23	1.17E-08	1.26E-08	2.43E-08	1.01E-08	1.11E-08	2.13E-08	1.22E-09	1.81E-09	3.03E-09	1.07E-09	1.11E-09	2.18E-09
1806	567080.76	4216674.05	1.15E-08	1.24E-08	2.39E-08	9.96E-09	1.10E-08	2.09E-08	1.20E-09	1.78E-09	2.98E-09	1.05E-09	1.09E-09	2.14E-09
1807	566960.28	4216737.99	1.95E-08	2.10E-08	4.05E-08	1.69E-08	1.86E-08	3.55E-08	2.04E-09	3.01E-09	5.05E-09	1.78E-09	1.86E-09	3.63E-09
1808	566954.57	4216745.88	2.08E-08	2.24E-08	4.32E-08	1.80E-08	1.98E-08	3.78E-08	2.18E-09	3.21E-09	5.39E-09	1.90E-09	1.98E-09	3.87E-09
1809	566926	4216785.3	2.79E-08	3.02E-08	5.81E-08	2.42E-08	2.67E-08	5.09E-08	2.93E-09	4.32E-09	7.26E-09	2.55E-09	2.66E-09	5.22E-09
1810	566920.29	4216793.19	2.94E-08	3.17E-08	6.11E-08	2.55E-08	2.81E-08	5.35E-08	3.08E-09	4.55E-09	7.63E-09	2.68E-09	2.80E-09	5.48E-09
1811	566914.58	4216801.07	3.07E-08	3.32E-08	6.39E-08	2.67E-08	2.94E-08	5.60E-08	3.22E-09	4.76E-09	7.98E-09	2.81E-09	2.93E-09	5.74E-09
1812	566908.87	4216808.96	3.21E-08	3.46E-08	6.67E-08	2.78E-08	3.06E-08	5.84E-08	3.36E-09	4.96E-09	8.32E-09	2.93E-09	3.06E-09	5.98E-09
1813	566903.16	4216816.84	3.33E-08	3.59E-08	6.92E-08	2.89E-08	3.18E-08	6.07E-08	3.49E-09	5.15E-09	8.64E-09	3.04E-09	3.17E-09	6.21E-09
1814	566897.44	4216824.73	3.44E-08	3.71E-08	7.16E-08	2.99E-08	3.29E-08	6.27E-08	3.61E-09	5.33E-09	8.94E-09	3.14E-09	3.28E-09	6.42E-09
1815	566891.73	4216832.61	3.54E-08	3.82E-08	7.36E-08	3.07E-08	3.38E-08	6.46E-08	3.71E-09	5.48E-09	9.20E-09	3.24E-09	3.38E-09	6.61E-09
1816	566886.02	4216840.5	3.63E-08	3.92E-08	7.55E-08	3.15E-08	3.47E-08	6.62E-08	3.81E-09	5.62E-09	9.42E-09	3.31E-09	3.46E-09	6.77E-09
1817	566880.31	4216848.38	3.70E-08	4.00E-08	7.70E-08	3.21E-08	3.54E-08	6.75E-08	3.88E-09	5.73E-09	9.61E-09	3.38E-09	3.53E-09	6.91E-09
1818	566874.59	4216856.27	3.76E-08	4.06E-08	7.83E-08	3.27E-08	3.60E-08	6.86E-08	3.95E-09	5.83E-09	9.77E-09	3.44E-09	3.59E-09	7.03E-09
1819	566868.88	4216864.15	3.81E-08	4.11E-08	7.91E-08	3.30E-08	3.64E-08	6.94E-08	3.99E-09	5.89E-09	9.88E-09	3.48E-09	3.63E-09	7.10E-09
1820	566863.17	4216872.04	3.83E-08	4.13E-08	7.96E-08	3.32E-08	3.66E-08	6.98E-08	4.02E-09	5.93E-09	9.94E-09	3.50E-09	3.65E-09	7.15E-09
1821	566958.89	4216726.38	1.76E-08	1.90E-08	3.66E-08	1.53E-08	1.68E-08	3.21E-08	1.84E-09	2.72E-09	4.57E-09	1.61E-09	1.68E-09	3.28E-09
1822	566965.6	4216720.64	1.68E-08	1.81E-08	3.49E-08	1.46E-08	1.60E-08	3.06E-08	1.76E-09	2.60E-09	4.36E-09	1.53E-09	1.60E-09	3.14E-09
1823	566979.02	4216709.16	1.53E-08	1.65E-08	3.18E-08	1.33E-08	1.46E-08	2.79E-08	1.60E-09	2.37E-09	3.97E-09	1.40E-09	1.46E-09	2.85E-09
1824	566992.44	4216697.67	1.39E-08	1.50E-08	2.90E-08	1.21E-08	1.33E-08	2.54E-08	1.46E-09	2.16E-09	3.62E-09	1.27E-09	1.33E-09	2.60E-09
1825	567005.86	4216686.18	1.27E-08	1.37E-08	2.64E-08	1.10E-08	1.21E-08	2.32E-08	1.33E-09	1.97E-09	3.30E-09	1.16E-09	1.21E-09	2.37E-09
1826	567038.33	4216674.25	1.15E-08	1.24E-08	2.40E-08	1.00E-08	1.10E-08	2.10E-08	1.21E-09	1.78E-09	2.99E-09	1.05E-09	1.10E-09	2.15E-09
1827	567055.5	4216670.12	1.12E-08	1.21E-08	2.32E-08	9.69E-09	1.07E-08	2.04E-08	1.17E-09	1.73E-09	2.90E-09	1.02E-09	1.06E-09	2.08E-09
1828	567072.68	4216665.99	1.08E-08	1.17E-08	2.25E-08	9.39E-09	1.03E-08	1.97E-08	1.13E-09	1.67E-09	2.81E-09	9.88E-10	1.03E-09	2.02E-09
1829	566946.47	4216740.01	1.95E-08	2.11E-08	4.06E-08	1.69E-08	1.87E-08	3.56E-08	2.05E-09	3.02E-09	5.07E-09	1.78E-09	1.86E-09	3.65E-09
1830	566912.19	4216787.32	2.73E-08	2.95E-08	5.68E-08	2.37E-08	2.61E-08	4.98E-08	2.86E-09	4.23E-09	7.09E-09	2.49E-09	2.60E-09	5.10E-09
1831	566906.48	4216795.21	2.85E-08	3.08E-08	5.94E-08	2.48E-08	2.73E-08	5.20E-08	2.99E-09	4.42E-09	7.41E-09	2.61E-09	2.72E-09	5.33E-09
1832	566900.77	4216803.09	2.97E-08	3.21E-08	6.18E-08	2.58E-08	2.84E-08	5.42E-08	3.12E-09	4.60E-09	7.72E-09	2.72E-09	2.83E-09	5.55E-09
1833	566895.06	4216810.98	3.09E-08	3.33E-08	6.42E-08	2.68E-08	2.95E-08	5.63E-08	3.24E-09	4.78E-09	8.01E-09	2.82E-09	2.94E-09	5.76E-09
1834	566889.35	4216818.86	3.19E-08	3.44E-08	6.63E-08	2.77E-08	3.05E-08	5.81E-08	3.35E-09	4.94E-09	8.28E-09	2.91E-09	3.04E-09	5.95E-09
1835	566883.63	4216826.75	3.28E-08	3.54E-08	6.83E-08	2.85E-08	3.14E-08	5.98E-08	3.44E-09	5.08E-09	8.52E-09	3.00E-09	3.13E-09	6.13E-09
1836	566877.92	4216834.63	3.36E-08	3.63E-08	7.00E-08	2.92E-08	3.21E-08	6.13E-08	3.53E-09	5.21E-09	8.74E-09	3.07E-09	3.21E-09	6.28E-09
1837	566872.21	4216842.52	3.43E-08	3.71E-08	7.14E-08	2.98E-08	3.28E-08	6.26E-08	3.60E-09	5.31E-09	8.92E-09	3.14E-09	3.27E-09	6.41E-09
1838	566866.5	4216850.4	3.49E-08	3.77E-08	7.26E-08	3.03E-08	3.33E-08	6.36E-08	3.66E-09	5.40E-09	9.06E-09	3.19E-09	3.33E-09	6.52E-09
1839	566860.78	4216858.29	3.53E-08	3.81E-08	7.35E-08	3.06E-08	3.37E-08	6.44E-08	3.71E-09	5.47E-09	9.17E-09	3.23E-09	3.37E-09	6.59E-09
1840	566855.07	4216866.17	3.56E-08	3.84E-08	7.40E-08	3.09E-08	3.40E-08	6.48E-08	3.73E-09	5.51E-09	9.24E-09	3.25E-09	3.39E-09	6.64E-09
1841	566951.19	4216720.18	1.66E-08	1.79E-08	3.45E-08	1.44E-08	1.59E-08	3.03E-08	1.74E-09	2.57E-09	4.31E-09	1.52E-09	1.58E-09	3.10E-09
1842	566958.29	4216714.1	1.59E-08	1.71E-08	3.30E-08	1.38E-08	1.52E-08	2.89E-08	1.66E-09	2.46E-09	4.12E-09	1.45E-09	1.51E-09	2.96E-09

1843	566965.39	4216708.02	1.51E-08	1.63E-08	3.14E-08	1.31E-08	1.44E-08	2.76E-08	1.59E-09	2.34E-09	3.93E-09	1.38E-09	1.44E-09	2.82E-09
1844	566972.5	4216701.94	1.44E-08	1.56E-08	3.00E-08	1.25E-08	1.38E-08	2.63E-08	1.51E-09	2.23E-09	3.74E-09	1.32E-09	1.37E-09	2.69E-09
1845	566979.6	4216695.86	1.37E-08	1.48E-08	2.86E-08	1.19E-08	1.31E-08	2.50E-08	1.44E-09	2.13E-09	3.57E-09	1.26E-09	1.31E-09	2.56E-09
1846	566986.71	4216689.78	1.31E-08	1.41E-08	2.72E-08	1.14E-08	1.25E-08	2.39E-08	1.37E-09	2.03E-09	3.40E-09	1.20E-09	1.25E-09	2.45E-09
1847	566993.81	4216683.7	1.25E-08	1.35E-08	2.60E-08	1.08E-08	1.19E-08	2.28E-08	1.31E-09	1.93E-09	3.25E-09	1.14E-09	1.19E-09	2.33E-09
1848	567000.92	4216677.62	1.19E-08	1.29E-08	2.48E-08	1.03E-08	1.14E-08	2.17E-08	1.25E-09	1.85E-09	3.10E-09	1.09E-09	1.14E-09	2.23E-09
1849	567026.21	4216667.16	1.10E-08	1.18E-08	2.28E-08	9.51E-09	1.05E-08	2.00E-08	1.15E-09	1.70E-09	2.85E-09	1.00E-09	1.04E-09	2.05E-09
1850	567035.3	4216664.98	1.08E-08	1.16E-08	2.24E-08	9.35E-09	1.03E-08	1.96E-08	1.13E-09	1.67E-09	2.80E-09	9.84E-10	1.03E-09	2.01E-09
1851	567044.39	4216662.79	1.06E-08	1.14E-08	2.20E-08	9.20E-09	1.01E-08	1.93E-08	1.11E-09	1.64E-09	2.75E-09	9.68E-10	1.01E-09	1.98E-09
1852	567053.48	4216660.6	1.04E-08	1.13E-08	2.17E-08	9.05E-09	9.96E-09	1.90E-08	1.09E-09	1.61E-09	2.71E-09	9.53E-10	9.94E-10	1.95E-09
1853	567062.57	4216658.42	1.03E-08	1.11E-08	2.13E-08	8.91E-09	9.81E-09	1.87E-08	1.08E-09	1.59E-09	2.67E-09	9.38E-10	9.79E-10	1.92E-09
1854	567071.67	4216656.23	1.01E-08	1.09E-08	2.10E-08	8.78E-09	9.66E-09	1.84E-08	1.06E-09	1.57E-09	2.63E-09	9.24E-10	9.64E-10	1.89E-09
1855	567080.76	4216654.05	9.98E-09	1.08E-08	2.07E-08	8.65E-09	9.53E-09	1.82E-08	1.05E-09	1.54E-09	2.59E-09	9.11E-10	9.51E-10	1.86E-09
1856	566944.08	4216726.26	1.74E-08	1.88E-08	3.61E-08	1.51E-08	1.66E-08	3.17E-08	1.82E-09	2.69E-09	4.51E-09	1.59E-09	1.66E-09	3.24E-09
1857	566926.94	4216749.91	2.07E-08	2.23E-08	4.30E-08	1.80E-08	1.98E-08	3.77E-08	2.17E-09	3.20E-09	5.37E-09	1.89E-09	1.97E-09	3.86E-09
1858	566921.23	4216757.8	2.19E-08	2.36E-08	4.55E-08	1.90E-08	2.09E-08	3.99E-08	2.30E-09	3.39E-09	5.68E-09	2.00E-09	2.09E-09	4.08E-09
1859	566892.67	4216797.22	2.77E-08	2.99E-08	5.75E-08	2.40E-08	2.64E-08	5.04E-08	2.90E-09	4.28E-09	7.19E-09	2.53E-09	2.64E-09	5.17E-09
1860	566886.96	4216805.11	2.87E-08	3.10E-08	5.97E-08	2.49E-08	2.74E-08	5.23E-08	3.01E-09	4.44E-09	7.45E-09	2.62E-09	2.74E-09	5.36E-09
1861	566881.25	4216812.99	2.97E-08	3.20E-08	6.17E-08	2.57E-08	2.83E-08	5.41E-08	3.11E-09	4.59E-09	7.70E-09	2.71E-09	2.83E-09	5.53E-09
1862	566875.53	4216820.88	3.05E-08	3.29E-08	6.35E-08	2.65E-08	2.92E-08	5.56E-08	3.20E-09	4.72E-09	7.92E-09	2.79E-09	2.91E-09	5.70E-09
1863	566869.82	4216828.76	3.13E-08	3.38E-08	6.51E-08	2.71E-08	2.99E-08	5.70E-08	3.28E-09	4.84E-09	8.12E-09	2.86E-09	2.98E-09	5.84E-09
1864	566864.11	4216836.65	3.19E-08	3.45E-08	6.64E-08	2.77E-08	3.05E-08	5.82E-08	3.35E-09	4.94E-09	8.29E-09	2.92E-09	3.04E-09	5.96E-09
1865	566858.4	4216844.53	3.25E-08	3.51E-08	6.75E-08	2.82E-08	3.10E-08	5.92E-08	3.41E-09	5.03E-09	8.43E-09	2.97E-09	3.10E-09	6.06E-09
1866	566852.69	4216852.42	3.29E-08	3.55E-08	6.84E-08	2.85E-08	3.14E-08	6.00E-08	3.45E-09	5.09E-09	8.54E-09	3.00E-09	3.14E-09	6.14E-09
1867	566846.97	4216860.3	3.32E-08	3.58E-08	6.90E-08	2.88E-08	3.17E-08	6.04E-08	3.48E-09	5.13E-09	8.61E-09	3.03E-09	3.16E-09	6.19E-09
1868	566942.73	4216714.62	1.58E-08	1.71E-08	3.29E-08	1.37E-08	1.51E-08	2.88E-08	1.66E-09	2.45E-09	4.10E-09	1.44E-09	1.51E-09	2.95E-09
1869	566956.23	4216703.06	1.45E-08	1.57E-08	3.02E-08	1.26E-08	1.39E-08	2.64E-08	1.52E-09	2.25E-09	3.77E-09	1.33E-09	1.38E-09	2.71E-09
1870	566969.73	4216691.51	1.33E-08	1.43E-08	2.76E-08	1.15E-08	1.27E-08	2.42E-08	1.39E-09	2.06E-09	3.45E-09	1.21E-09	1.27E-09	2.48E-09
1871	566976.48	4216685.73	1.27E-08	1.37E-08	2.65E-08	1.10E-08	1.22E-08	2.32E-08	1.33E-09	1.97E-09	3.30E-09	1.16E-09	1.21E-09	2.38E-09
1872	566989.98	4216674.18	1.17E-08	1.26E-08	2.43E-08	1.01E-08	1.11E-08	2.13E-08	1.22E-09	1.81E-09	3.03E-09	1.07E-09	1.11E-09	2.18E-09
1873	567029.39	4216656.4	1.02E-08	1.10E-08	2.11E-08	8.81E-09	9.70E-09	1.85E-08	1.06E-09	1.57E-09	2.64E-09	9.27E-10	9.68E-10	1.90E-09
1874	567046.66	4216652.24	9.85E-09	1.06E-08	2.05E-08	8.54E-09	9.41E-09	1.80E-08	1.03E-09	1.52E-09	2.56E-09	9.00E-10	9.39E-10	1.84E-09
1875	567063.94	4216648.09	9.58E-09	1.03E-08	1.99E-08	8.31E-09	9.15E-09	1.75E-08	1.00E-09	1.48E-09	2.49E-09	8.75E-10	9.13E-10	1.79E-09
1876	566924.56	4216736.16	1.85E-08	1.99E-08	3.84E-08	1.60E-08	1.76E-08	3.36E-08	1.94E-09	2.86E-09	4.79E-09	1.69E-09	1.76E-09	3.45E-09
1877	566918.85	4216744.05	1.95E-08	2.11E-08	4.06E-08	1.69E-08	1.86E-08	3.56E-08	2.05E-09	3.02E-09	5.07E-09	1.78E-09	1.86E-09	3.64E-09
1878	566913.13	4216751.93	2.06E-08	2.22E-08	4.28E-08	1.79E-08	1.97E-08	3.75E-08	2.16E-09	3.19E-09	5.34E-09	1.88E-09	1.96E-09	3.84E-09
1879	566907.42	4216759.82	2.17E-08	2.34E-08	4.51E-08	1.88E-08	2.07E-08	3.95E-08	2.27E-09	3.35E-09	5.63E-09	1.98E-09	2.07E-09	4.05E-09
1880	566901.71	4216767.7	2.28E-08	2.46E-08	4.73E-08	1.97E-08	2.17E-08	4.15E-08	2.39E-09	3.52E-09	5.91E-09	2.08E-09	2.17E-09	4.25E-09
1881	566878.86	4216799.24	2.68E-08	2.89E-08	5.57E-08	2.32E-08	2.56E-08	4.88E-08	2.81E-09	4.14E-09	6.95E-09	2.45E-09	2.55E-09	5.00E-09
1882	566873.15	4216807.13	2.77E-08	2.98E-08	5.75E-08	2.40E-08	2.64E-08	5.04E-08	2.90E-09	4.28E-09	7.18E-09	2.53E-09	2.64E-09	5.16E-09
1883	566867.44	4216815.01	2.85E-08	3.07E-08	5.92E-08	2.47E-08	2.72E-08	5.19E-08	2.98E-09	4.40E-09	7.39E-09	2.60E-09	2.71E-09	5.31E-09
1884	566861.72	4216822.9	2.92E-08	3.15E-08	6.07E-08	2.53E-08	2.79E-08	5.32E-08	3.06E-09	4.52E-09	7.58E-09	2.67E-09	2.78E-09	5.45E-09
1885	566856.01	4216830.78	2.98E-08	3.22E-08	6.20E-08	2.59E-08	2.85E-08	5.43E-08	3.13E-09	4.61E-09	7.74E-09	2.72E-09	2.84E-09	5.56E-09
1886	566850.3	4216838.67	3.03E-08	3.27E-08	6.30E-08	2.63E-08	2.90E-08	5.53E-08	3.18E-09	4.69E-09	7.87E-09	2.77E-09	2.89E-09	5.66E-09
1887	566844.59	4216846.55	3.07E-08	3.32E-08	6.39E-08	2.67E-08	2.93E-08	5.60E-08	3.22E-09	4.75E-09	7.98E-09	2.81E-09	2.93E-09	5.73E-09
1888	566838.88	4216854.44	3.10E-08	3.35E-08	6.45E-08	2.69E-08	2.96E-08	5.65E-08	3.25E-09	4.80E-09	8.05E-09	2.83E-09	2.96E-09	5.79E-09
1889	566942.09	4216702.36	1.44E-08	1.55E-08	2.99E-08	1.25E-08	1.37E-08	2.62E-08	1.51E-09	2.23E-09	3.73E-09	1.31E-09	1.37E-09	2.68E-09
1890	566949.2	4216696.28	1.38E-08	1.48E-08	2.86E-08	1.19E-08	1.31E-08	2.51E-08	1.44E-09	2.13E-09	3.57E-09	1.26E-09	1.31E-09	2.57E-09
1891	566956.3	4216690.2	1.32E-08	1.42E-08	2.74E-08	1.14E-08	1.26E-08	2.40E-08	1.38E-09	2.04E-09	3.42E-09	1.20E-09	1.25E-09	2.46E-09
1892	566963.41	4216684.12	1.26E-08	1.36E-08	2.62E-08	1.09E-08	1.20E-08	2.29E-08	1.32E-09	1.95E-09	3.27E-09	1.15E-09	1.20E-09	2.35E-09
1893	566970.51	4216678.04	1.20E-08	1.30E-08	2.50E-08	1.04E-08	1.15E-08	2.19E-08	1.26E-09	1.86E-09	3.12E-09	1.10E-09	1.15E-09	2.25E-09
1894	566977.62	4216671.96	1.15E-08	1.24E-08	2.39E-08	9.99E-09	1.10E-08	2.10E-08	1.21E-09	1.78E-09	2.99E-09	1.05E-09	1.10E-09	2.15E-09
1895	566984.72	4216665.88	1.10E-08	1.19E-08	2.29E-08	9.55E-09	1.05E-08	2.01E-08	1.15E-09	1.70E-09	2.86E-09	1.01E-09	1.05E-09	2.06E-09
1896	566991.82	4216659.8	1.05E-08	1.14E-08	2.19E-08	9.13E-09	1.01E-08	1.92E-08	1.10E-09	1.63E-09	2.73E-09	9.62E-10	1.00E-09	1.96E-09
1897	567017.11	4216649.35	9.71E-09	1.05E-08	2.02E-08	8.42E-09	9.27E-09	1.77E-08	1.02E-09	1.50E-09	2.52E-09	8.87E-10	9.25E-10	1.81E-09
1898	567026.21	4216647.16	9.54E-09	1.03E-08	1.98E-08	8.28E-09	9.11E-09	1.74E-08	1.00E-09	1.48E-09	2.48E-09	8.71E-10	9.09E-10	1.78E-09
1899	567035.3	4216644.98	9.39E-09	1.01E-08	1.95E-08	8.15E-09	8.97E-09	1.71E-08	9.85E-10	1.45E-09	2.44E-09	8.58E-10	8.95E-10	1.75E-09
1900	567044.39	4216642.79	9.25E-09	9.98E-09	1.92E-08	8.02E-09	8.83E-09	1.69E-08	9.70E-10	1.43E-09	2.40E-09	8.45E-10	8.82E-10	1.73E-09
1901	567053.48	4216640.6	9.12E-09	9.84E-09	1.90E-08	7.91E-09	8.71E-09	1.66E-08	9.56E-10	1.41E-09	2.37E-09	8.33E-10	8.69E-10	1.70E-09
1902	567062.57	4216638.42	8.99E-09	9.71E-09	1.87E-08	7.80E-09	8.59E-09	1.64E-08	9.43E-10	1.39E-09	2.34E-09	8.22E-10	8.57E-10	1.68E-09
1903	567071.67	4216636.23	8.88E-09	9.59E-09	1.85E-08	7.71E-09	8.48E-09	1.62E-08	9.32E-10	1.37E-09	2.31E-09	8.11E-10	8.47E-10	1.66E-09
1904	567080.76	4216634.05	8.78E-09	9.47E-09	1.83E-08	7.62E-09	8.38E-09	1.60E-08	9.21E-10	1.36E-09	2.28E-09	8.02E-10	8.37E-10	1.64E-09
1905	566922.17	4216722.41	1.65E-08	1.79E-08	3.44E-08	1.43E-08	1.58E-08	3.01E-08	1.73E-09	2.56E-09	4.29E-09	1.51E-09	1.58E-09	3.09E-09
1906	566916.46	4216730.3	1.75E-08	1.89E-08	3.63E-08	1.52E-08	1.67E-08	3.18E-08	1.83E-09	2.70E-09	4.54E-09	1.60E-09	1.67E-09	3.26E-09
1907	566910.75	4216738.18	1.84E-08	1.99E-08	3.83E-08	1.60E-08	1.76E-08	3.36E-08	1.93E-09	2.85E-09	4.79E-09	1.68E-09	1.76E-09	3.44E-09
1908	566905.04	4216746.07	1.94E-08	2.09E-08	4.04E-08	1.68E-08	1.85E-08	3.54E-08	2.04E-09	3.00E-09	5.04E-09	1.77E-09	1.85E-09	3.62E-09
1909	566899.32	4216753.95	2.04E-08	2.20E-08	4.24E-08	1.77E-08	1.95E-08	3.72E-08	2.14E-09	3.16E-09	5.29E-09	1.86E-09	1.94E-09	3.81E-09
1910	566893.61	4216761.84	2.14E-08	2.31E-08	4.44E-08	1.85E-08	2.04E-08	3.89E-08	2.24E-09	3.31E-09	5.55E-09	1.95E-09	2.04E-09	3.99E-09
1911	566887.9	4216769.72	2.23E-08	2.41E-08	4.64E-08	1.94E-08	2.13E-08	4.07E-08	2.34E-09	3.46E-09	5.80E-09	2.04E-09	2.13E-09	4.17E-09
1912	566865.05	4216801.26	2.59E-08	2.79E-08	5.38E-08	2.24E-08	2.47E-08	4.71E-08	2.71E-09	4.00E-09	6.71E-09	2.36E-09	2.46E-09	4.83E-09
1913	566859.34	4216809.15	2.66E-08	2.87E-08	5.53E-08	2.31E-08	2.54E-08	4.85E-08	2.79E-09	4.12E-09	6.91E-09	2.43E-09	2.54E-09	4.97E-09

1914	566853.63	4216817.03	2.73E-08	2.94E-08	5.67E-08	2.37E-08	2.61E-08	4.97E-08	2.86E-09	4.22E-09	7.08E-09	2.49E-09	2.60E-09	5.09E-09
1915	566847.91	4216824.92	2.79E-08	3.01E-08	5.80E-08	2.42E-08	2.66E-08	5.08E-08	2.92E-09	4.31E-09	7.24E-09	2.55E-09	2.66E-09	5.20E-09
1916	566842.2	4216832.8	2.84E-08	3.06E-08	5.90E-08	2.46E-08	2.71E-08	5.17E-08	2.98E-09	4.39E-09	7.37E-09	2.59E-09	2.70E-09	5.29E-09
1917	566836.49	4216840.69	2.88E-08	3.10E-08	5.98E-08	2.50E-08	2.75E-08	5.24E-08	3.02E-09	4.45E-09	7.47E-09	2.63E-09	2.74E-09	5.37E-09
1918	566830.78	4216848.57	2.91E-08	3.14E-08	6.04E-08	2.52E-08	2.78E-08	5.30E-08	3.05E-09	4.50E-09	7.54E-09	2.65E-09	2.77E-09	5.42E-09
1919	566940.13	4216691.25	1.32E-08	1.43E-08	2.75E-08	1.15E-08	1.26E-08	2.41E-08	1.39E-09	2.05E-09	3.44E-09	1.21E-09	1.26E-09	2.47E-09
1920	566953.69	4216679.64	1.22E-08	1.32E-08	2.54E-08	1.06E-08	1.16E-08	2.22E-08	1.28E-09	1.89E-09	3.17E-09	1.11E-09	1.16E-09	2.28E-09
1921	566967.26	4216668.03	1.12E-08	1.21E-08	2.33E-08	9.73E-09	1.07E-08	2.05E-08	1.18E-09	1.74E-09	2.91E-09	1.02E-09	1.07E-09	2.09E-09
1922	566974.04	4216662.23	1.08E-08	1.16E-08	2.24E-08	9.34E-09	1.03E-08	1.96E-08	1.13E-09	1.67E-09	2.79E-09	9.83E-10	1.03E-09	2.01E-09
1923	566987.6	4216650.62	9.90E-09	1.07E-08	2.06E-08	8.59E-09	9.46E-09	1.80E-08	1.04E-09	1.53E-09	2.57E-09	9.04E-10	9.44E-10	1.85E-09
1924	567020.42	4216638.55	9.03E-09	9.75E-09	1.88E-08	7.83E-09	8.63E-09	1.65E-08	9.47E-10	1.40E-09	2.34E-09	8.25E-10	8.61E-10	1.69E-09
1925	567037.78	4216634.38	8.77E-09	9.47E-09	1.82E-08	7.61E-09	8.38E-09	1.60E-08	9.20E-10	1.36E-09	2.28E-09	8.01E-10	8.36E-10	1.64E-09
1926	567055.13	4216630.21	8.54E-09	9.22E-09	1.78E-08	7.41E-09	8.16E-09	1.56E-08	8.96E-10	1.32E-09	2.22E-09	7.81E-10	8.14E-10	1.59E-09
1927	567072.49	4216626.03	8.34E-09	9.01E-09	1.73E-08	7.24E-09	7.97E-09	1.52E-08	8.75E-10	1.29E-09	2.17E-09	7.62E-10	7.95E-10	1.56E-09
1928	566914.07	4216716.54	1.57E-08	1.69E-08	3.27E-08	1.36E-08	1.50E-08	2.86E-08	1.65E-09	2.43E-09	4.08E-09	1.43E-09	1.50E-09	2.93E-09
1929	566908.36	4216724.43	1.66E-08	1.79E-08	3.44E-08	1.44E-08	1.58E-08	3.02E-08	1.74E-09	2.56E-09	4.30E-09	1.51E-09	1.58E-09	3.09E-09
1930	566902.65	4216732.31	1.74E-08	1.88E-08	3.63E-08	1.51E-08	1.67E-08	3.18E-08	1.83E-09	2.70E-09	4.53E-09	1.59E-09	1.66E-09	3.26E-09
1931	566896.94	4216740.2	1.83E-08	1.98E-08	3.81E-08	1.59E-08	1.75E-08	3.34E-08	1.92E-09	2.84E-09	4.76E-09	1.67E-09	1.75E-09	3.42E-09
1932	566891.23	4216748.08	1.92E-08	2.07E-08	3.99E-08	1.67E-08	1.84E-08	3.50E-08	2.02E-09	2.97E-09	4.99E-09	1.75E-09	1.83E-09	3.59E-09
1933	566885.51	4216755.97	2.01E-08	2.17E-08	4.18E-08	1.74E-08	1.92E-08	3.66E-08	2.11E-09	3.11E-09	5.22E-09	1.84E-09	1.92E-09	3.75E-09
1934	566879.8	4216763.85	2.10E-08	2.27E-08	4.36E-08	1.82E-08	2.00E-08	3.82E-08	2.20E-09	3.25E-09	5.45E-09	1.92E-09	2.00E-09	3.92E-09
1935	566874.09	4216771.74	2.18E-08	2.36E-08	4.54E-08	1.90E-08	2.09E-08	3.98E-08	2.29E-09	3.38E-09	5.67E-09	2.00E-09	2.08E-09	4.08E-09
1936	566845.53	4216811.16	2.56E-08	2.76E-08	5.32E-08	2.22E-08	2.44E-08	4.66E-08	2.68E-09	3.96E-09	6.64E-09	2.34E-09	2.44E-09	4.77E-09
1937	566839.82	4216819.05	2.61E-08	2.82E-08	5.43E-08	2.27E-08	2.50E-08	4.76E-08	2.74E-09	4.04E-09	6.78E-09	2.39E-09	2.49E-09	4.88E-09
1938	566834.1	4216826.93	2.66E-08	2.87E-08	5.53E-08	2.31E-08	2.54E-08	4.85E-08	2.79E-09	4.12E-09	6.91E-09	2.43E-09	2.54E-09	4.97E-09
1939	566828.39	4216834.82	2.70E-08	2.91E-08	5.61E-08	2.34E-08	2.58E-08	4.92E-08	2.83E-09	4.18E-09	7.01E-09	2.47E-09	2.57E-09	5.04E-09
1940	566822.68	4216842.7	2.73E-08	2.95E-08	5.67E-08	2.37E-08	2.61E-08	4.97E-08	2.86E-09	4.22E-09	7.09E-09	2.49E-09	2.60E-09	5.09E-09
1941	566933	4216684.55	1.26E-08	1.36E-08	2.62E-08	1.09E-08	1.20E-08	2.30E-08	1.32E-09	1.95E-09	3.27E-09	1.15E-09	1.20E-09	2.35E-09
1942	566940.11	4216678.47	1.21E-08	1.31E-08	2.51E-08	1.05E-08	1.15E-08	2.20E-08	1.27E-09	1.87E-09	3.14E-09	1.10E-09	1.15E-09	2.26E-09
1943	566947.21	4216672.39	1.16E-08	1.25E-08	2.41E-08	1.01E-08	1.11E-08	2.11E-08	1.22E-09	1.79E-09	3.01E-09	1.06E-09	1.11E-09	2.16E-09
1944	566954.32	4216666.31	1.11E-08	1.20E-08	2.31E-08	9.64E-09	1.06E-08	2.03E-08	1.17E-09	1.72E-09	2.89E-09	1.02E-09	1.06E-09	2.07E-09
1945	566961.42	4216660.23	1.06E-08	1.15E-08	2.21E-08	9.23E-09	1.02E-08	1.94E-08	1.12E-09	1.65E-09	2.76E-09	9.72E-10	1.01E-09	1.99E-09
1946	566968.52	4216654.15	1.02E-08	1.10E-08	2.12E-08	8.85E-09	9.74E-09	1.86E-08	1.07E-09	1.58E-09	2.65E-09	9.31E-10	9.72E-10	1.90E-09
1947	566975.63	4216648.07	9.77E-09	1.05E-08	2.03E-08	8.48E-09	9.33E-09	1.78E-08	1.02E-09	1.51E-09	2.54E-09	8.93E-10	9.31E-10	1.82E-09
1948	566911.69	4216702.79	1.42E-08	1.53E-08	2.95E-08	1.23E-08	1.35E-08	2.58E-08	1.49E-09	2.19E-09	3.68E-09	1.29E-09	1.35E-09	2.64E-09
1949	566905.98	4216710.68	1.49E-08	1.61E-08	3.10E-08	1.30E-08	1.43E-08	2.72E-08	1.57E-09	2.31E-09	3.88E-09	1.36E-09	1.42E-09	2.79E-09
1950	566900.26	4216718.56	1.57E-08	1.70E-08	3.27E-08	1.36E-08	1.50E-08	2.86E-08	1.65E-09	2.43E-09	4.08E-09	1.44E-09	1.50E-09	2.93E-09
1951	566894.55	4216726.45	1.65E-08	1.78E-08	3.44E-08	1.43E-08	1.58E-08	3.01E-08	1.73E-09	2.56E-09	4.29E-09	1.51E-09	1.57E-09	3.08E-09
1952	566888.84	4216734.33	1.73E-08	1.87E-08	3.60E-08	1.50E-08	1.66E-08	3.16E-08	1.82E-09	2.68E-09	4.50E-09	1.58E-09	1.65E-09	3.23E-09
1953	566883.13	4216742.22	1.81E-08	1.96E-08	3.77E-08	1.57E-08	1.73E-08	3.31E-08	1.90E-09	2.81E-09	4.71E-09	1.66E-09	1.73E-09	3.39E-09
1954	566877.42	4216750.1	1.90E-08	2.05E-08	3.94E-08	1.64E-08	1.81E-08	3.46E-08	1.99E-09	2.93E-09	4.92E-09	1.73E-09	1.81E-09	3.54E-09
1955	566871.7	4216757.99	1.98E-08	2.13E-08	4.11E-08	1.72E-08	1.89E-08	3.60E-08	2.07E-09	3.06E-09	5.13E-09	1.81E-09	1.88E-09	3.69E-09
1956	566865.99	4216765.87	2.06E-08	2.22E-08	4.28E-08	1.78E-08	1.96E-08	3.75E-08	2.16E-09	3.18E-09	5.34E-09	1.88E-09	1.96E-09	3.84E-09
1957	566860.28	4216773.76	2.13E-08	2.30E-08	4.44E-08	1.85E-08	2.04E-08	3.89E-08	2.24E-09	3.30E-09	5.54E-09	1.95E-09	2.03E-09	3.98E-09
1958	566831.72	4216813.18	2.45E-08	2.65E-08	5.10E-08	2.13E-08	2.34E-08	4.47E-08	2.57E-09	3.80E-09	6.37E-09	2.24E-09	2.34E-09	4.58E-09
1959	566826.01	4216821.07	2.50E-08	2.70E-08	5.20E-08	2.17E-08	2.39E-08	4.56E-08	2.62E-09	3.87E-09	6.49E-09	2.28E-09	2.38E-09	4.67E-09
1960	566820.29	4216828.95	2.54E-08	2.74E-08	5.28E-08	2.20E-08	2.42E-08	4.63E-08	2.66E-09	3.93E-09	6.59E-09	2.32E-09	2.42E-09	4.74E-09
1961	566814.58	4216836.84	2.57E-08	2.77E-08	5.34E-08	2.23E-08	2.45E-08	4.68E-08	2.69E-09	3.97E-09	6.67E-09	2.35E-09	2.45E-09	4.79E-09
1962	566910.4	4216691.1	1.30E-08	1.41E-08	2.71E-08	1.13E-08	1.25E-08	2.38E-08	1.37E-09	2.02E-09	3.39E-09	1.19E-09	1.24E-09	2.43E-09
1963	566930.82	4216673.62	1.17E-08	1.26E-08	2.43E-08	1.01E-08	1.12E-08	2.13E-08	1.23E-09	1.81E-09	3.03E-09	1.07E-09	1.11E-09	2.18E-09
1964	566944.44	4216661.96	1.08E-08	1.17E-08	2.25E-08	9.38E-09	1.03E-08	1.97E-08	1.13E-09	1.67E-09	2.81E-09	9.87E-10	1.03E-09	2.02E-09
1965	566951.25	4216656.14	1.04E-08	1.12E-08	2.16E-08	9.01E-09	9.92E-09	1.89E-08	1.09E-09	1.61E-09	2.70E-09	9.48E-10	9.89E-10	1.94E-09
1966	567011.43	4216620.72	8.11E-09	8.76E-09	1.69E-08	7.04E-09	7.75E-09	1.48E-08	8.51E-10	1.26E-09	2.11E-09	7.41E-10	7.73E-10	1.51E-09
1967	566903.59	4216696.93	1.35E-08	1.46E-08	2.81E-08	1.17E-08	1.29E-08	2.46E-08	1.42E-09	2.09E-09	3.51E-09	1.23E-09	1.29E-09	2.52E-09
1968	566897.88	4216704.81	1.42E-08	1.53E-08	2.96E-08	1.23E-08	1.36E-08	2.59E-08	1.49E-09	2.20E-09	3.69E-09	1.30E-09	1.35E-09	2.65E-09
1969	566892.17	4216712.7	1.49E-08	1.61E-08	3.11E-08	1.30E-08	1.43E-08	2.72E-08	1.57E-09	2.31E-09	3.88E-09	1.36E-09	1.42E-09	2.79E-09
1970	566886.45	4216720.58	1.57E-08	1.69E-08	3.26E-08	1.36E-08	1.50E-08	2.86E-08	1.64E-09	2.43E-09	4.07E-09	1.43E-09	1.49E-09	2.93E-09
1971	566880.74	4216728.47	1.64E-08	1.77E-08	3.41E-08	1.42E-08	1.57E-08	2.99E-08	1.72E-09	2.54E-09	4.26E-09	1.50E-09	1.56E-09	3.06E-09
1972	566875.03	4216736.35	1.72E-08	1.85E-08	3.57E-08	1.49E-08	1.64E-08	3.13E-08	1.80E-09	2.66E-09	4.46E-09	1.57E-09	1.64E-09	3.20E-09
1973	566869.32	4216744.24	1.79E-08	1.93E-08	3.73E-08	1.55E-08	1.71E-08	3.27E-08	1.88E-09	2.77E-09	4.65E-09	1.64E-09	1.71E-09	3.34E-09
1974	566863.6	4216752.12	1.87E-08	2.01E-08	3.88E-08	1.62E-08	1.78E-08	3.40E-08	1.96E-09	2.89E-09	4.85E-09	1.70E-09	1.78E-09	3.48E-09
1975	566857.89	4216760.01	1.94E-08	2.09E-08	4.03E-08	1.68E-08	1.85E-08	3.54E-08	2.03E-09	3.00E-09	5.04E-09	1.77E-09	1.85E-09	3.62E-09
1976	566840.76	4216783.66	2.14E-08	2.31E-08	4.46E-08	1.86E-08	2.05E-08	3.91E-08	2.25E-09	3.32E-09	5.57E-09	1.96E-09	2.04E-09	4.00E-09
1977	566817.91	4216815.2	2.35E-08	2.54E-08	4.90E-08	2.04E-08	2.25E-08	4.29E-08	2.47E-09	3.64E-09	6.11E-09	2.15E-09	2.24E-09	4.40E-09
1978	566812.19	4216823.09	2.39E-08	2.58E-08	4.97E-08	2.07E-08	2.28E-08	4.36E-08	2.51E-09	3.70E-09	6.21E-09	2.18E-09	2.28E-09	4.46E-09
1979	566806.48	4216830.97	2.42E-08	2.61E-08	5.03E-08	2.10E-08	2.31E-08	4.41E-08	2.54E-09	3.75E-09	6.29E-09	2.21E-09	2.31E-09	4.52E-09
1980	566902.6	4216684.98	1.25E-08	1.34E-08	2.59E-08	1.08E-08	1.19E-08	2.27E-08	1.31E-09	1.93E-09	3.23E-09	1.14E-09	1.19E-09	2.32E-09
1981	566909.7	4216678.9	1.20E-08	1.30E-08	2.50E-08	1.04E-08	1.15E-08	2.19E-08	1.26E-09	1.86E-09	3.12E-09	1.10E-09	1.14E-09	2.24E-09
1982	566931.01	4216660.66	1.07E-08	1.16E-08	2.23E-08	9.30E-09	1.02E-08	1.95E-08	1.12E-09	1.66E-09	2.78E-09	9.79E-10	1.02E-09	2.00E-09
1983	566959.43	4216636.33	9.11E-09	9.83E-09	1.89E-08	7.90E-09	8.70E-09	1.66E-08	9.55E-10	1.41E-09	2.36E-09	8.32E-10	8.68E-10	1.70E-09
1984	566966.54	4216630.25	8.74E-09	9.44E-09	1.82E-08	7.59E-09	8.35E-09	1.59E-08	9.17E-10	1.35E-09	2.27E-09	7.99E-10	8.33E-10	1.63E-09

1985	566973.64	4216624.17	8.40E-09	9.07E-09	1.75E-08	7.29E-09	8.02E-09	1.53E-08	8.81E-10	1.30E-09	2.18E-09	7.67E-10	8.01E-10	1.57E-09
1986	566989.84	4216615.91	7.94E-09	8.57E-09	1.65E-08	6.89E-09	7.58E-09	1.45E-08	8.33E-10	1.23E-09	2.06E-09	7.25E-10	7.57E-10	1.48E-09
1987	567008.02	4216611.54	7.69E-09	8.31E-09	1.60E-08	6.68E-09	7.35E-09	1.40E-08	8.07E-10	1.19E-09	2.00E-09	7.03E-10	7.33E-10	1.44E-09
1988	567017.11	4216609.35	7.58E-09	8.19E-09	1.58E-08	6.58E-09	7.24E-09	1.38E-08	7.95E-10	1.17E-09	1.97E-09	6.93E-10	7.23E-10	1.42E-09
1989	567026.21	4216607.16	7.48E-09	8.07E-09	1.56E-08	6.49E-09	7.14E-09	1.36E-08	7.84E-10	1.16E-09	1.94E-09	6.83E-10	7.13E-10	1.40E-09
1990	567035.3	4216604.98	7.38E-09	7.97E-09	1.54E-08	6.41E-09	7.05E-09	1.35E-08	7.74E-10	1.14E-09	1.92E-09	6.74E-10	7.04E-10	1.38E-09
1991	567044.39	4216602.79	7.29E-09	7.87E-09	1.52E-08	6.33E-09	6.96E-09	1.33E-08	7.65E-10	1.13E-09	1.89E-09	6.66E-10	6.95E-10	1.36E-09
1992	567053.48	4216600.6	7.20E-09	7.78E-09	1.50E-08	6.25E-09	6.88E-09	1.31E-08	7.56E-10	1.12E-09	1.87E-09	6.58E-10	6.87E-10	1.34E-09
1993	567062.57	4216598.42	7.12E-09	7.68E-09	1.48E-08	6.18E-09	6.80E-09	1.30E-08	7.47E-10	1.10E-09	1.85E-09	6.50E-10	6.79E-10	1.33E-09
1994	567071.67	4216596.23	7.04E-09	7.60E-09	1.46E-08	6.11E-09	6.73E-09	1.28E-08	7.39E-10	1.09E-09	1.83E-09	6.43E-10	6.71E-10	1.31E-09
1995	567080.76	4216594.05	6.97E-09	7.52E-09	1.45E-08	6.05E-09	6.66E-09	1.27E-08	7.31E-10	1.08E-09	1.81E-09	6.37E-10	6.64E-10	1.30E-09
1996	566895.49	4216691.06	1.29E-08	1.39E-08	2.69E-08	1.12E-08	1.23E-08	2.35E-08	1.35E-09	2.00E-09	3.35E-09	1.18E-09	1.23E-09	2.41E-09
1997	566889.78	4216698.94	1.36E-08	1.46E-08	2.82E-08	1.18E-08	1.29E-08	2.47E-08	1.42E-09	2.10E-09	3.52E-09	1.24E-09	1.29E-09	2.53E-09
1998	566884.07	4216706.83	1.42E-08	1.54E-08	2.96E-08	1.23E-08	1.36E-08	2.59E-08	1.49E-09	2.20E-09	3.69E-09	1.30E-09	1.36E-09	2.65E-09
1999	566878.36	4216714.71	1.49E-08	1.61E-08	3.10E-08	1.29E-08	1.42E-08	2.72E-08	1.56E-09	2.31E-09	3.87E-09	1.36E-09	1.42E-09	2.78E-09
2000	566872.64	4216722.6	1.56E-08	1.68E-08	3.24E-08	1.35E-08	1.49E-08	2.84E-08	1.63E-09	2.41E-09	4.05E-09	1.42E-09	1.49E-09	2.91E-09
2001	566866.93	4216730.48	1.63E-08	1.76E-08	3.38E-08	1.41E-08	1.55E-08	2.97E-08	1.71E-09	2.52E-09	4.23E-09	1.49E-09	1.55E-09	3.04E-09
2002	566861.22	4216738.37	1.70E-08	1.83E-08	3.53E-08	1.47E-08	1.62E-08	3.09E-08	1.78E-09	2.63E-09	4.41E-09	1.55E-09	1.62E-09	3.17E-09
2003	566855.51	4216746.25	1.77E-08	1.91E-08	3.67E-08	1.53E-08	1.69E-08	3.22E-08	1.85E-09	2.73E-09	4.58E-09	1.61E-09	1.68E-09	3.30E-09
2004	566838.37	4216769.91	1.96E-08	2.12E-08	4.08E-08	1.70E-08	1.87E-08	3.58E-08	2.06E-09	3.04E-09	5.10E-09	1.79E-09	1.87E-09	3.66E-09
2005	566832.66	4216777.79	2.02E-08	2.18E-08	4.21E-08	1.76E-08	1.93E-08	3.69E-08	2.12E-09	3.13E-09	5.25E-09	1.85E-09	1.93E-09	3.78E-09
2006	566826.95	4216785.68	2.08E-08	2.25E-08	4.33E-08	1.80E-08	1.99E-08	3.79E-08	2.18E-09	3.22E-09	5.40E-09	1.90E-09	1.98E-09	3.88E-09
2007	566798.38	4216825.1	2.29E-08	2.47E-08	4.75E-08	1.98E-08	2.18E-08	4.17E-08	2.40E-09	3.54E-09	5.94E-09	2.09E-09	2.18E-09	4.27E-09
2008	566894.22	4216679.35	1.20E-08	1.29E-08	2.48E-08	1.04E-08	1.14E-08	2.18E-08	1.25E-09	1.85E-09	3.10E-09	1.09E-09	1.14E-09	2.23E-09
2009	566901.06	4216673.5	1.15E-08	1.25E-08	2.40E-08	1.00E-08	1.10E-08	2.10E-08	1.21E-09	1.79E-09	3.00E-09	1.05E-09	1.10E-09	2.16E-09
2010	566907.89	4216667.65	1.12E-08	1.20E-08	2.32E-08	9.68E-09	1.07E-08	2.03E-08	1.17E-09	1.73E-09	2.90E-09	1.02E-09	1.06E-09	2.08E-09
2011	566942.04	4216638.42	9.28E-09	1.00E-08	1.93E-08	8.05E-09	8.87E-09	1.69E-08	9.74E-10	1.44E-09	2.41E-09	8.48E-10	8.85E-10	1.73E-09
2012	566948.87	4216632.57	8.93E-09	9.64E-09	1.86E-08	7.75E-09	8.53E-09	1.63E-08	9.37E-10	1.38E-09	2.32E-09	8.16E-10	8.51E-10	1.67E-09
2013	566955.71	4216626.73	8.60E-09	9.28E-09	1.79E-08	7.46E-09	8.21E-09	1.57E-08	9.02E-10	1.33E-09	2.23E-09	7.85E-10	8.19E-10	1.60E-09
2014	566969.37	4216615.03	7.97E-09	8.60E-09	1.66E-08	6.91E-09	7.61E-09	1.45E-08	8.35E-10	1.23E-09	2.07E-09	7.28E-10	7.59E-10	1.49E-09
2015	566984.94	4216607.08	7.55E-09	8.15E-09	1.57E-08	6.55E-09	7.22E-09	1.38E-08	7.92E-10	1.17E-09	1.96E-09	6.90E-10	7.20E-10	1.41E-09
2016	567002.43	4216602.88	7.33E-09	7.91E-09	1.52E-08	6.36E-09	7.00E-09	1.34E-08	7.69E-10	1.13E-09	1.90E-09	6.70E-10	6.99E-10	1.37E-09
2017	567019.91	4216598.68	7.14E-09	7.71E-09	1.48E-08	6.20E-09	6.82E-09	1.30E-08	7.49E-10	1.11E-09	1.85E-09	6.52E-10	6.81E-10	1.33E-09
2018	567037.4	4216594.47	6.97E-09	7.52E-09	1.45E-08	6.04E-09	6.65E-09	1.27E-08	7.31E-10	1.08E-09	1.81E-09	6.36E-10	6.64E-10	1.30E-09
2019	567054.88	4216590.27	6.81E-09	7.35E-09	1.42E-08	5.91E-09	6.50E-09	1.24E-08	7.14E-10	1.05E-09	1.77E-09	6.22E-10	6.49E-10	1.27E-09
2020	567063.62	4216588.17	6.74E-09	7.27E-09	1.40E-08	5.85E-09	6.44E-09	1.23E-08	7.07E-10	1.04E-09	1.75E-09	6.16E-10	6.42E-10	1.26E-09
2021	566881.68	4216693.08	1.30E-08	1.40E-08	2.69E-08	1.12E-08	1.24E-08	2.36E-08	1.36E-09	2.00E-09	3.36E-09	1.18E-09	1.23E-09	2.42E-09
2022	566875.97	4216700.96	1.36E-08	1.46E-08	2.82E-08	1.18E-08	1.30E-08	2.47E-08	1.42E-09	2.10E-09	3.52E-09	1.24E-09	1.29E-09	2.53E-09
2023	566870.26	4216708.85	1.42E-08	1.53E-08	2.95E-08	1.23E-08	1.36E-08	2.59E-08	1.49E-09	2.20E-09	3.68E-09	1.30E-09	1.35E-09	2.65E-09
2024	566864.54	4216716.73	1.48E-08	1.60E-08	3.08E-08	1.29E-08	1.42E-08	2.70E-08	1.55E-09	2.29E-09	3.85E-09	1.35E-09	1.41E-09	2.77E-09
2025	566858.83	4216724.62	1.55E-08	1.67E-08	3.21E-08	1.34E-08	1.48E-08	2.82E-08	1.62E-09	2.39E-09	4.01E-09	1.41E-09	1.47E-09	2.88E-09
2026	566853.12	4216732.5	1.61E-08	1.74E-08	3.35E-08	1.40E-08	1.54E-08	2.93E-08	1.69E-09	2.49E-09	4.18E-09	1.47E-09	1.53E-09	3.00E-09
2027	566847.41	4216740.39	1.67E-08	1.81E-08	3.48E-08	1.45E-08	1.60E-08	3.05E-08	1.75E-09	2.59E-09	4.34E-09	1.53E-09	1.59E-09	3.12E-09
2028	566835.98	4216756.16	1.80E-08	1.94E-08	3.74E-08	1.56E-08	1.72E-08	3.28E-08	1.88E-09	2.78E-09	4.67E-09	1.64E-09	1.71E-09	3.35E-09
2029	566830.27	4216764.04	1.86E-08	2.00E-08	3.86E-08	1.61E-08	1.77E-08	3.38E-08	1.95E-09	2.87E-09	4.82E-09	1.70E-09	1.77E-09	3.47E-09
2030	566824.56	4216771.93	1.91E-08	2.07E-08	3.98E-08	1.66E-08	1.83E-08	3.49E-08	2.01E-09	2.96E-09	4.97E-09	1.75E-09	1.82E-09	3.57E-09
2031	566818.85	4216779.81	1.97E-08	2.12E-08	4.09E-08	1.71E-08	1.88E-08	3.58E-08	2.06E-09	3.04E-09	5.11E-09	1.80E-09	1.87E-09	3.67E-09
2032	566813.13	4216787.7	2.02E-08	2.18E-08	4.19E-08	1.75E-08	1.93E-08	3.67E-08	2.11E-09	3.12E-09	5.23E-09	1.84E-09	1.92E-09	3.76E-09
2033	566886.4	4216673.25	1.14E-08	1.24E-08	2.38E-08	9.93E-09	1.09E-08	2.09E-08	1.20E-09	1.77E-09	2.97E-09	1.05E-09	1.09E-09	2.14E-09
2034	566921.92	4216642.84	9.56E-09	1.03E-08	1.99E-08	8.29E-09	9.13E-09	1.74E-08	1.00E-09	1.48E-09	2.48E-09	8.73E-10	9.11E-10	1.78E-09
2035	566929.03	4216636.76	9.21E-09	9.94E-09	1.91E-08	7.99E-09	8.80E-09	1.68E-08	9.66E-10	1.43E-09	2.39E-09	8.41E-10	8.78E-10	1.72E-09
2036	566936.13	4216630.68	8.87E-09	9.57E-09	1.84E-08	7.69E-09	8.47E-09	1.62E-08	9.30E-10	1.37E-09	2.30E-09	8.10E-10	8.45E-10	1.65E-09
2037	566943.24	4216624.6	8.53E-09	9.21E-09	1.77E-08	7.40E-09	8.15E-09	1.55E-08	8.94E-10	1.32E-09	2.21E-09	7.79E-10	8.13E-10	1.59E-09
2038	566950.34	4216618.52	8.20E-09	8.85E-09	1.71E-08	7.12E-09	7.83E-09	1.49E-08	8.60E-10	1.27E-09	2.13E-09	7.49E-10	7.82E-10	1.53E-09
2039	566957.44	4216612.44	7.89E-09	8.51E-09	1.64E-08	6.84E-09	7.53E-09	1.44E-08	8.27E-10	1.22E-09	2.05E-09	7.20E-10	7.52E-10	1.47E-09
2040	566964.55	4216606.36	7.59E-09	8.19E-09	1.58E-08	6.58E-09	7.25E-09	1.38E-08	7.96E-10	1.17E-09	1.97E-09	6.93E-10	7.23E-10	1.42E-09
2041	566980.75	4216598.09	7.19E-09	7.76E-09	1.50E-08	6.24E-09	6.87E-09	1.31E-08	7.54E-10	1.11E-09	1.87E-09	6.57E-10	6.85E-10	1.34E-09
2042	567008.02	4216591.54	6.88E-09	7.43E-09	1.43E-08	5.97E-09	6.57E-09	1.25E-08	7.22E-10	1.06E-09	1.79E-09	6.28E-10	6.56E-10	1.28E-09
2043	567017.11	4216589.35	6.79E-09	7.33E-09	1.41E-08	5.89E-09	6.49E-09	1.24E-08	7.12E-10	1.05E-09	1.76E-09	6.20E-10	6.47E-10	1.27E-09
2044	567026.21	4216587.16	6.71E-09	7.24E-09	1.40E-08	5.82E-09	6.41E-09	1.22E-08	7.04E-10	1.04E-09	1.74E-09	6.13E-10	6.39E-10	1.25E-09
2045	567035.3	4216584.98	6.62E-09	7.15E-09	1.38E-08	5.75E-09	6.33E-09	1.21E-08	6.95E-10	1.03E-09	1.72E-09	6.05E-10	6.31E-10	1.24E-09
2046	567044.39	4216582.79	6.54E-09	7.06E-09	1.36E-08	5.68E-09	6.25E-09	1.19E-08	6.86E-10	1.01E-09	1.70E-09	5.98E-10	6.24E-10	1.22E-09
2047	567053.48	4216580.6	6.47E-09	6.98E-09	1.35E-08	5.61E-09	6.18E-09	1.18E-08	6.79E-10	1.00E-09	1.68E-09	5.91E-10	6.17E-10	1.21E-09
2048	567062.57	4216578.42	6.40E-09	6.91E-09	1.33E-08	5.56E-09	6.12E-09	1.17E-08	6.72E-10	9.91E-10	1.66E-09	5.85E-10	6.10E-10	1.20E-09
2049	567071.67	4216576.23	6.35E-09	6.85E-09	1.32E-08	5.51E-09	6.06E-09	1.16E-08	6.66E-10	9.82E-10	1.65E-09	5.80E-10	6.05E-10	1.18E-09
2050	567080.76	4216574.05	6.29E-09	6.79E-09	1.31E-08	5.46E-09	6.01E-09	1.15E-08	6.60E-10	9.74E-10	1.63E-09	5.75E-10	6.00E-10	1.17E-09
2051	566879.3	4216679.33	1.18E-08	1.28E-08	2.46E-08	1.03E-08	1.13E-08	2.16E-08	1.24E-09	1.83E-09	3.08E-09	1.08E-09	1.13E-09	2.21E-09
2052	566873.58	4216687.21	1.24E-08	1.34E-08	2.58E-08	1.08E-08	1.18E-08	2.26E-08	1.30E-09	1.92E-09	3.22E-09	1.13E-09	1.18E-09	2.31E-09
2053	566867.87	4216695.1	1.30E-08	1.40E-08	2.69E-08	1.12E-08	1.24E-08	2.36E-08	1.36E-09	2.00E-09	3.36E-09	1.18E-09	1.23E-09	2.42E-09
2054	566862.16	4216702.98	1.35E-08	1.46E-08	2.81E-08	1.17E-08	1.29E-08	2.47E-08	1.42E-09	2.09E-09	3.51E-09	1.24E-09	1.29E-09	2.52E-09
2055	566856.45	4216710.87	1.41E-08	1.52E-08	2.93E-08	1.22E-08	1.35E-08	2.57E-08	1.48E-09	2.18E-09	3.66E-09	1.29E-09	1.34E-09	2.63E-09

2056	566850.73	4216718.75	1.47E-08	1.59E-08	3.06E-08	1.28E-08	1.40E-08	2.68E-08	1.54E-09	2.28E-09	3.82E-09	1.34E-09	1.40E-09	2.74E-09
2057	566845.02	4216726.64	1.53E-08	1.65E-08	3.18E-08	1.33E-08	1.46E-08	2.79E-08	1.60E-09	2.37E-09	3.97E-09	1.40E-09	1.46E-09	2.85E-09
2058	566827.89	4216750.29	1.70E-08	1.84E-08	3.54E-08	1.48E-08	1.63E-08	3.11E-08	1.79E-09	2.64E-09	4.42E-09	1.56E-09	1.62E-09	3.18E-09
2059	566822.17	4216758.18	1.76E-08	1.90E-08	3.66E-08	1.53E-08	1.68E-08	3.21E-08	1.84E-09	2.72E-09	4.57E-09	1.61E-09	1.68E-09	3.28E-09
2060	566816.46	4216766.06	1.81E-08	1.96E-08	3.77E-08	1.57E-08	1.73E-08	3.30E-08	1.90E-09	2.80E-09	4.70E-09	1.65E-09	1.73E-09	3.38E-09
2061	566810.75	4216773.95	1.86E-08	2.01E-08	3.87E-08	1.62E-08	1.78E-08	3.39E-08	1.95E-09	2.88E-09	4.83E-09	1.70E-09	1.77E-09	3.48E-09
2062	566805.04	4216781.83	1.91E-08	2.06E-08	3.97E-08	1.66E-08	1.82E-08	3.48E-08	2.00E-09	2.95E-09	4.96E-09	1.74E-09	1.82E-09	3.56E-09
2063	566799.32	4216789.72	1.95E-08	2.11E-08	4.06E-08	1.69E-08	1.86E-08	3.56E-08	2.05E-09	3.02E-09	5.07E-09	1.78E-09	1.86E-09	3.64E-09
2064	566793.61	4216797.6	1.99E-08	2.15E-08	4.14E-08	1.73E-08	1.90E-08	3.63E-08	2.09E-09	3.08E-09	5.16E-09	1.82E-09	1.90E-09	3.71E-09
2065	566900.71	4216648.2	9.85E-09	1.06E-08	2.05E-08	8.54E-09	9.41E-09	1.80E-08	1.03E-09	1.52E-09	2.56E-09	9.00E-10	9.39E-10	1.84E-09
2066	566922.84	4216629.26	8.80E-09	9.50E-09	1.83E-08	7.64E-09	8.41E-09	1.60E-08	9.23E-10	1.36E-09	2.29E-09	8.04E-10	8.39E-10	1.64E-09
2067	566930.22	4216622.94	8.48E-09	9.15E-09	1.76E-08	7.35E-09	8.10E-09	1.54E-08	8.89E-10	1.31E-09	2.20E-09	7.74E-10	8.08E-10	1.58E-09
2068	566937.6	4216616.63	8.15E-09	8.80E-09	1.70E-08	7.07E-09	7.79E-09	1.49E-08	8.55E-10	1.26E-09	2.12E-09	7.45E-10	7.77E-10	1.52E-09
2069	566944.97	4216610.32	7.84E-09	8.46E-09	1.63E-08	6.80E-09	7.49E-09	1.43E-08	8.22E-10	1.21E-09	2.04E-09	7.16E-10	7.47E-10	1.46E-09
2070	566952.35	4216604	7.53E-09	8.13E-09	1.57E-08	6.54E-09	7.19E-09	1.37E-08	7.90E-10	1.17E-09	1.96E-09	6.88E-10	7.18E-10	1.41E-09
2071	566959.73	4216597.69	7.24E-09	7.82E-09	1.51E-08	6.28E-09	6.92E-09	1.32E-08	7.60E-10	1.12E-09	1.88E-09	6.61E-10	6.90E-10	1.35E-09
2072	566976.55	4216589.1	6.85E-09	7.40E-09	1.43E-08	5.95E-09	6.55E-09	1.25E-08	7.19E-10	1.06E-09	1.78E-09	6.26E-10	6.53E-10	1.28E-09
2073	567004.87	4216582.29	6.55E-09	7.07E-09	1.36E-08	5.68E-09	6.26E-09	1.19E-08	6.87E-10	1.01E-09	1.70E-09	5.98E-10	6.24E-10	1.22E-09
2074	567014.32	4216580.02	6.47E-09	6.98E-09	1.35E-08	5.61E-09	6.18E-09	1.18E-08	6.79E-10	1.00E-09	1.68E-09	5.91E-10	6.17E-10	1.21E-09
2075	567023.76	4216577.75	6.39E-09	6.90E-09	1.33E-08	5.55E-09	6.11E-09	1.17E-08	6.71E-10	9.90E-10	1.66E-09	5.84E-10	6.09E-10	1.19E-09
2076	567033.2	4216575.48	6.31E-09	6.81E-09	1.31E-08	5.47E-09	6.03E-09	1.15E-08	6.62E-10	9.77E-10	1.64E-09	5.76E-10	6.01E-10	1.18E-09
2077	567042.64	4216573.21	6.23E-09	6.73E-09	1.30E-08	5.41E-09	5.95E-09	1.14E-08	6.54E-10	9.65E-10	1.62E-09	5.69E-10	5.94E-10	1.16E-09
2078	567052.08	4216570.94	6.16E-09	6.65E-09	1.28E-08	5.35E-09	5.88E-09	1.12E-08	6.46E-10	9.54E-10	1.60E-09	5.63E-10	5.87E-10	1.15E-09
2079	567061.52	4216568.67	6.10E-09	6.58E-09	1.27E-08	5.29E-09	5.83E-09	1.11E-08	6.40E-10	9.44E-10	1.58E-09	5.57E-10	5.81E-10	1.14E-09
2080	567070.97	4216566.4	6.04E-09	6.52E-09	1.26E-08	5.24E-09	5.77E-09	1.10E-08	6.34E-10	9.35E-10	1.57E-09	5.52E-10	5.76E-10	1.13E-09
2081	567080.41	4216564.13	5.99E-09	6.46E-09	1.24E-08	5.19E-09	5.72E-09	1.09E-08	6.28E-10	9.27E-10	1.55E-09	5.47E-10	5.71E-10	1.12E-09
2082	566865.48	4216681.34	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.13E-08	2.16E-08	1.24E-09	1.84E-09	3.08E-09	1.08E-09	1.13E-09	2.21E-09
2083	566859.77	4216689.23	1.24E-08	1.34E-08	2.57E-08	1.07E-08	1.18E-08	2.26E-08	1.30E-09	1.92E-09	3.21E-09	1.13E-09	1.18E-09	2.31E-09
2084	566854.06	4216697.11	1.29E-08	1.39E-08	2.68E-08	1.12E-08	1.23E-08	2.35E-08	1.35E-09	2.00E-09	3.35E-09	1.18E-09	1.23E-09	2.41E-09
2085	566848.35	4216705	1.35E-08	1.45E-08	2.80E-08	1.17E-08	1.29E-08	2.45E-08	1.41E-09	2.08E-09	3.49E-09	1.23E-09	1.28E-09	2.51E-09
2086	566842.64	4216712.88	1.40E-08	1.51E-08	2.91E-08	1.21E-08	1.34E-08	2.55E-08	1.47E-09	2.17E-09	3.64E-09	1.28E-09	1.33E-09	2.61E-09
2087	566825.5	4216736.54	1.56E-08	1.69E-08	3.25E-08	1.36E-08	1.49E-08	2.85E-08	1.64E-09	2.42E-09	4.06E-09	1.43E-09	1.49E-09	2.92E-09
2088	566819.79	4216744.42	1.62E-08	1.75E-08	3.36E-08	1.40E-08	1.55E-08	2.95E-08	1.70E-09	2.50E-09	4.20E-09	1.48E-09	1.54E-09	3.02E-09
2089	566814.07	4216752.31	1.67E-08	1.80E-08	3.47E-08	1.45E-08	1.59E-08	3.04E-08	1.75E-09	2.58E-09	4.33E-09	1.52E-09	1.59E-09	3.12E-09
2090	566808.36	4216760.19	1.72E-08	1.86E-08	3.57E-08	1.49E-08	1.64E-08	3.13E-08	1.80E-09	2.66E-09	4.46E-09	1.57E-09	1.64E-09	3.21E-09
2091	566802.65	4216768.08	1.77E-08	1.91E-08	3.67E-08	1.53E-08	1.69E-08	3.22E-08	1.85E-09	2.73E-09	4.59E-09	1.61E-09	1.68E-09	3.30E-09
2092	566796.94	4216775.96	1.81E-08	1.95E-08	3.76E-08	1.57E-08	1.73E-08	3.30E-08	1.90E-09	2.80E-09	4.70E-09	1.65E-09	1.72E-09	3.38E-09
2093	566791.23	4216783.85	1.85E-08	2.00E-08	3.85E-08	1.61E-08	1.77E-08	3.37E-08	1.94E-09	2.86E-09	4.80E-09	1.69E-09	1.76E-09	3.45E-09
2094	566785.51	4216791.73	1.89E-08	2.04E-08	3.92E-08	1.64E-08	1.80E-08	3.44E-08	1.98E-09	2.92E-09	4.90E-09	1.72E-09	1.80E-09	3.52E-09
2095	566779.8	4216799.62	1.92E-08	2.07E-08	3.99E-08	1.66E-08	1.83E-08	3.50E-08	2.01E-09	2.97E-09	4.98E-09	1.75E-09	1.83E-09	3.58E-09
2096	566877.31	4216655.43	1.02E-08	1.10E-08	2.12E-08	8.87E-09	9.76E-09	1.86E-08	1.07E-09	1.58E-09	2.65E-09	9.33E-10	9.74E-10	1.91E-09
2097	566884.41	4216649.35	9.88E-09	1.07E-08	2.05E-08	8.57E-09	9.44E-09	1.80E-08	1.04E-09	1.53E-09	2.57E-09	9.02E-10	9.42E-10	1.84E-09
2098	566891.52	4216643.27	9.55E-09	1.03E-08	1.98E-08	8.28E-09	9.12E-09	1.74E-08	1.00E-09	1.48E-09	2.48E-09	8.72E-10	9.10E-10	1.78E-09
2099	566898.62	4216637.19	9.22E-09	9.95E-09	1.92E-08	8.00E-09	8.80E-09	1.68E-08	9.67E-10	1.43E-09	2.39E-09	8.42E-10	8.79E-10	1.72E-09
2100	566919.93	4216618.95	8.29E-09	8.95E-09	1.72E-08	7.19E-09	7.92E-09	1.51E-08	8.70E-10	1.28E-09	2.15E-09	7.57E-10	7.90E-10	1.55E-09
2101	566927.04	4216612.87	8.00E-09	8.63E-09	1.66E-08	6.94E-09	7.64E-09	1.46E-08	8.39E-10	1.24E-09	2.08E-09	7.31E-10	7.62E-10	1.49E-09
2102	566934.14	4216606.79	7.71E-09	8.33E-09	1.60E-08	6.69E-09	7.37E-09	1.41E-08	8.09E-10	1.19E-09	2.00E-09	7.05E-10	7.35E-10	1.44E-09
2103	566941.25	4216600.71	7.43E-09	8.02E-09	1.55E-08	6.45E-09	7.10E-09	1.35E-08	7.79E-10	1.15E-09	1.93E-09	6.79E-10	7.08E-10	1.39E-09
2104	566948.35	4216594.63	7.16E-09	7.73E-09	1.49E-08	6.21E-09	6.84E-09	1.30E-08	7.51E-10	1.11E-09	1.86E-09	6.54E-10	6.82E-10	1.34E-09
2105	566955.46	4216588.55	6.90E-09	7.45E-09	1.43E-08	5.99E-09	6.59E-09	1.26E-08	7.24E-10	1.07E-09	1.79E-09	6.30E-10	6.58E-10	1.29E-09
2106	566971.65	4216580.28	6.55E-09	7.07E-09	1.36E-08	5.68E-09	6.26E-09	1.19E-08	6.87E-10	1.01E-09	1.70E-09	5.98E-10	6.24E-10	1.22E-09
2107	566998.93	4216573.72	6.27E-09	6.77E-09	1.30E-08	5.44E-09	5.99E-09	1.14E-08	6.58E-10	9.70E-10	1.63E-09	5.73E-10	5.98E-10	1.17E-09
2108	567008.02	4216571.54	6.20E-09	6.69E-09	1.29E-08	5.38E-09	5.92E-09	1.13E-08	6.50E-10	9.59E-10	1.61E-09	5.66E-10	5.91E-10	1.16E-09
2109	567017.11	4216569.35	6.12E-09	6.61E-09	1.27E-08	5.31E-09	5.85E-09	1.12E-08	6.42E-10	9.48E-10	1.59E-09	5.59E-10	5.84E-10	1.14E-09
2110	567026.21	4216567.16	6.05E-09	6.54E-09	1.26E-08	5.25E-09	5.78E-09	1.10E-08	6.35E-10	9.37E-10	1.57E-09	5.53E-10	5.77E-10	1.13E-09
2111	567035.3	4216564.98	5.98E-09	6.46E-09	1.24E-08	5.19E-09	5.72E-09	1.09E-08	6.28E-10	9.26E-10	1.55E-09	5.47E-10	5.70E-10	1.12E-09
2112	567044.39	4216562.79	5.92E-09	6.39E-09	1.23E-08	5.14E-09	5.65E-09	1.08E-08	6.21E-10	9.16E-10	1.54E-09	5.41E-10	5.64E-10	1.10E-09
2113	567053.48	4216560.6	5.86E-09	6.33E-09	1.22E-08	5.08E-09	5.60E-09	1.07E-08	6.15E-10	9.07E-10	1.52E-09	5.35E-10	5.59E-10	1.09E-09
2114	567062.57	4216558.42	5.80E-09	6.27E-09	1.21E-08	5.04E-09	5.54E-09	1.06E-08	6.09E-10	8.98E-10	1.51E-09	5.30E-10	5.53E-10	1.08E-09
2115	567071.67	4216556.23	5.75E-09	6.21E-09	1.20E-08	4.99E-09	5.49E-09	1.05E-08	6.03E-10	8.90E-10	1.49E-09	5.25E-10	5.48E-10	1.07E-09
2116	567080.76	4216554.05	5.70E-09	6.16E-09	1.19E-08	4.95E-09	5.45E-09	1.04E-08	5.98E-10	8.83E-10	1.48E-09	5.21E-10	5.44E-10	1.06E-09
2117	566851.67	4216683.36	1.18E-08	1.28E-08	2.46E-08	1.03E-08	1.13E-08	2.16E-08	1.24E-09	1.83E-09	3.08E-09	1.08E-09	1.13E-09	2.21E-09
2118	566845.96	4216691.25	1.23E-08	1.33E-08	2.57E-08	1.07E-08	1.18E-08	2.25E-08	1.29E-09	1.91E-09	3.21E-09	1.13E-09	1.18E-09	2.30E-09
2119	566840.25	4216699.13	1.28E-08	1.39E-08	2.67E-08	1.11E-08	1.23E-08	2.34E-08	1.35E-09	1.99E-09	3.34E-09	1.17E-09	1.22E-09	2.40E-09
2120	566823.11	4216722.79	1.44E-08	1.55E-08	2.99E-08	1.25E-08	1.37E-08	2.62E-08	1.51E-09	2.23E-09	3.73E-09	1.31E-09	1.37E-09	2.68E-09
2121	566817.4	4216730.67	1.49E-08	1.61E-08	3.10E-08	1.29E-08	1.42E-08	2.71E-08	1.56E-09	2.30E-09	3.87E-09	1.36E-09	1.42E-09	2.78E-09
2122	566811.69	4216738.56	1.54E-08	1.66E-08	3.20E-08	1.33E-08	1.47E-08	2.80E-08	1.61E-09	2.38E-09	3.99E-09	1.41E-09	1.47E-09	2.87E-09
2123	566805.98	4216746.44	1.59E-08	1.71E-08	3.30E-08	1.38E-08	1.52E-08	2.89E-08	1.66E-09	2.46E-09	4.12E-09	1.45E-09	1.51E-09	2.96E-09
2124	566800.26	4216754.33	1.63E-08	1.76E-08	3.40E-08	1.42E-08	1.56E-08	2.98E-08	1.71E-09	2.53E-09	4.24E-09	1.49E-09	1.56E-09	3.05E-09
2125	566794.55	4216762.21	1.68E-08	1.81E-08	3.49E-08	1.46E-08	1.60E-08	3.06E-08	1.76E-09	2.60E-09	4.36E-09	1.53E-09	1.60E-09	3.13E-09
2126	566788.84	4216770.1	1.72E-08	1.86E-08	3.57E-08	1.49E-08	1.64E-08	3.13E-08	1.80E-09	2.66E-09	4.46E-09	1.57E-09	1.64E-09	3.21E-09

2127	566783.13	4216777.98	1.76E-08	1.90E-08	3.65E-08	1.52E-08	1.68E-08	3.20E-08	1.84E-09	2.72E-09	4.56E-09	1.61E-09	1.67E-09	3.28E-09
2128	566777.42	4216785.87	1.79E-08	1.93E-08	3.73E-08	1.55E-08	1.71E-08	3.27E-08	1.88E-09	2.77E-09	4.65E-09	1.64E-09	1.71E-09	3.34E-09
2129	566771.7	4216793.75	1.82E-08	1.97E-08	3.79E-08	1.58E-08	1.74E-08	3.32E-08	1.91E-09	2.82E-09	4.73E-09	1.66E-09	1.74E-09	3.40E-09
2130	566765.99	4216801.64	1.85E-08	2.00E-08	3.84E-08	1.60E-08	1.77E-08	3.37E-08	1.94E-09	2.86E-09	4.80E-09	1.69E-09	1.76E-09	3.45E-09
2131	566862.36	4216655.43	1.01E-08	1.09E-08	2.11E-08	8.79E-09	9.68E-09	1.85E-08	1.06E-09	1.57E-09	2.63E-09	9.26E-10	9.66E-10	1.89E-09
2132	566869.72	4216649.13	9.81E-09	1.06E-08	2.04E-08	8.51E-09	9.37E-09	1.79E-08	1.03E-09	1.52E-09	2.55E-09	8.96E-10	9.35E-10	1.83E-09
2133	566877.08	4216642.83	9.49E-09	1.02E-08	1.97E-08	8.23E-09	9.06E-09	1.73E-08	9.95E-10	1.47E-09	2.46E-09	8.66E-10	9.04E-10	1.77E-09
2134	566884.43	4216636.53	9.16E-09	9.89E-09	1.91E-08	7.95E-09	8.75E-09	1.67E-08	9.61E-10	1.42E-09	2.38E-09	8.37E-10	8.73E-10	1.71E-09
2135	566891.79	4216630.24	8.85E-09	9.55E-09	1.84E-08	7.68E-09	8.45E-09	1.61E-08	9.28E-10	1.37E-09	2.30E-09	8.08E-10	8.43E-10	1.65E-09
2136	566913.87	4216611.34	7.94E-09	8.58E-09	1.65E-08	6.89E-09	7.59E-09	1.45E-08	8.33E-10	1.23E-09	2.06E-09	7.26E-10	7.57E-10	1.48E-09
2137	566921.22	4216605.05	7.66E-09	8.27E-09	1.59E-08	6.65E-09	7.32E-09	1.40E-08	8.04E-10	1.19E-09	1.99E-09	7.00E-10	7.30E-10	1.43E-09
2138	566928.58	4216598.75	7.38E-09	7.97E-09	1.54E-08	6.41E-09	7.05E-09	1.35E-08	7.74E-10	1.14E-09	1.92E-09	6.74E-10	7.04E-10	1.38E-09
2139	566935.94	4216592.45	7.11E-09	7.67E-09	1.48E-08	6.17E-09	6.79E-09	1.30E-08	7.46E-10	1.10E-09	1.85E-09	6.49E-10	6.78E-10	1.33E-09
2140	566943.3	4216586.15	6.85E-09	7.39E-09	1.42E-08	5.94E-09	6.54E-09	1.25E-08	7.18E-10	1.06E-09	1.78E-09	6.25E-10	6.53E-10	1.28E-09
2141	566950.66	4216579.86	6.60E-09	7.12E-09	1.37E-08	5.72E-09	6.30E-09	1.20E-08	6.92E-10	1.02E-09	1.71E-09	6.03E-10	6.29E-10	1.23E-09
2142	566967.43	4216571.29	6.26E-09	6.76E-09	1.30E-08	5.43E-09	5.98E-09	1.14E-08	6.57E-10	9.69E-10	1.63E-09	5.72E-10	5.97E-10	1.17E-09
2143	566976.85	4216569.03	6.16E-09	6.65E-09	1.28E-08	5.35E-09	5.89E-09	1.12E-08	6.47E-10	9.54E-10	1.60E-09	5.63E-10	5.88E-10	1.15E-09
2144	566995.68	4216564.5	5.99E-09	6.46E-09	1.25E-08	5.20E-09	5.72E-09	1.09E-08	6.28E-10	9.27E-10	1.56E-09	5.47E-10	5.71E-10	1.12E-09
2145	567005.1	4216562.24	5.92E-09	6.39E-09	1.23E-08	5.13E-09	5.65E-09	1.08E-08	6.20E-10	9.16E-10	1.54E-09	5.40E-10	5.64E-10	1.10E-09
2146	567014.52	4216559.97	5.85E-09	6.31E-09	1.22E-08	5.07E-09	5.58E-09	1.07E-08	6.13E-10	9.05E-10	1.52E-09	5.34E-10	5.57E-10	1.09E-09
2147	567023.93	4216557.71	5.78E-09	6.24E-09	1.20E-08	5.01E-09	5.52E-09	1.05E-08	6.06E-10	8.95E-10	1.50E-09	5.28E-10	5.51E-10	1.08E-09
2148	567033.35	4216555.45	5.71E-09	6.17E-09	1.19E-08	4.96E-09	5.46E-09	1.04E-08	5.99E-10	8.84E-10	1.48E-09	5.22E-10	5.45E-10	1.07E-09
2149	567042.77	4216553.18	5.65E-09	6.10E-09	1.18E-08	4.90E-09	5.40E-09	1.03E-08	5.93E-10	8.75E-10	1.47E-09	5.16E-10	5.39E-10	1.06E-09
2150	567052.18	4216550.92	5.60E-09	6.04E-09	1.16E-08	4.86E-09	5.35E-09	1.02E-08	5.87E-10	8.67E-10	1.45E-09	5.11E-10	5.34E-10	1.04E-09
2151	567061.6	4216548.65	5.54E-09	5.98E-09	1.15E-08	4.81E-09	5.30E-09	1.01E-08	5.82E-10	8.58E-10	1.44E-09	5.06E-10	5.28E-10	1.03E-09
2152	567071.02	4216546.39	5.49E-09	5.93E-09	1.14E-08	4.77E-09	5.25E-09	1.00E-08	5.76E-10	8.50E-10	1.43E-09	5.02E-10	5.24E-10	1.03E-09
2153	567080.43	4216544.12	5.45E-09	5.88E-09	1.13E-08	4.72E-09	5.20E-09	9.93E-09	5.71E-10	8.43E-10	1.41E-09	4.97E-10	5.19E-10	1.02E-09
2154	566855	4216661.73	1.05E-08	1.13E-08	2.18E-08	9.08E-09	9.99E-09	1.91E-08	1.10E-09	1.62E-09	2.72E-09	9.56E-10	9.97E-10	1.95E-09
2155	566837.86	4216685.38	1.18E-08	1.28E-08	2.46E-08	1.02E-08	1.13E-08	2.15E-08	1.24E-09	1.83E-09	3.07E-09	1.08E-09	1.13E-09	2.20E-09
2156	566820.73	4216709.04	1.32E-08	1.43E-08	2.75E-08	1.15E-08	1.26E-08	2.41E-08	1.39E-09	2.05E-09	3.44E-09	1.21E-09	1.26E-09	2.47E-09
2157	566815.02	4216716.92	1.37E-08	1.48E-08	2.85E-08	1.19E-08	1.31E-08	2.50E-08	1.44E-09	2.12E-09	3.56E-09	1.25E-09	1.31E-09	2.56E-09
2158	566809.3	4216724.81	1.42E-08	1.53E-08	2.95E-08	1.23E-08	1.35E-08	2.59E-08	1.49E-09	2.20E-09	3.68E-09	1.30E-09	1.35E-09	2.65E-09
2159	566803.59	4216732.69	1.47E-08	1.58E-08	3.05E-08	1.27E-08	1.40E-08	2.67E-08	1.54E-09	2.27E-09	3.80E-09	1.34E-09	1.40E-09	2.73E-09
2160	566797.88	4216740.58	1.51E-08	1.63E-08	3.14E-08	1.31E-08	1.44E-08	2.75E-08	1.58E-09	2.34E-09	3.92E-09	1.38E-09	1.44E-09	2.82E-09
2161	566792.17	4216748.46	1.55E-08	1.68E-08	3.23E-08	1.35E-08	1.48E-08	2.83E-08	1.63E-09	2.41E-09	4.04E-09	1.42E-09	1.48E-09	2.90E-09
2162	566786.45	4216756.35	1.60E-08	1.72E-08	3.32E-08	1.38E-08	1.52E-08	2.91E-08	1.67E-09	2.47E-09	4.14E-09	1.46E-09	1.52E-09	2.98E-09
2163	566780.74	4216764.23	1.64E-08	1.77E-08	3.40E-08	1.42E-08	1.56E-08	2.98E-08	1.72E-09	2.53E-09	4.25E-09	1.49E-09	1.56E-09	3.05E-09
2164	566775.03	4216772.12	1.67E-08	1.80E-08	3.48E-08	1.45E-08	1.60E-08	3.05E-08	1.75E-09	2.59E-09	4.34E-09	1.53E-09	1.59E-09	3.12E-09
2165	566769.32	4216780	1.70E-08	1.84E-08	3.54E-08	1.48E-08	1.63E-08	3.11E-08	1.79E-09	2.64E-09	4.43E-09	1.56E-09	1.62E-09	3.18E-09
2166	566763.61	4216787.89	1.73E-08	1.87E-08	3.61E-08	1.50E-08	1.66E-08	3.16E-08	1.82E-09	2.68E-09	4.50E-09	1.58E-09	1.65E-09	3.24E-09
2167	566757.89	4216795.77	1.76E-08	1.90E-08	3.66E-08	1.53E-08	1.68E-08	3.21E-08	1.85E-09	2.72E-09	4.57E-09	1.61E-09	1.68E-09	3.28E-09
2168	566854.01	4216649.78	9.76E-09	1.05E-08	2.03E-08	8.47E-09	9.32E-09	1.78E-08	1.02E-09	1.51E-09	2.53E-09	8.91E-10	9.30E-10	1.82E-09
2169	566861.11	4216643.7	9.46E-09	1.02E-08	1.97E-08	8.21E-09	9.04E-09	1.73E-08	9.93E-10	1.46E-09	2.46E-09	8.65E-10	9.02E-10	1.77E-09
2170	566868.22	4216637.62	9.17E-09	9.90E-09	1.91E-08	7.96E-09	8.76E-09	1.67E-08	9.62E-10	1.42E-09	2.38E-09	8.38E-10	8.74E-10	1.71E-09
2171	566875.32	4216631.54	8.89E-09	9.59E-09	1.85E-08	7.71E-09	8.49E-09	1.62E-08	9.32E-10	1.38E-09	2.31E-09	8.12E-10	8.47E-10	1.66E-09
2172	566882.42	4216625.46	8.60E-09	9.28E-09	1.79E-08	7.46E-09	8.22E-09	1.57E-08	9.02E-10	1.33E-09	2.23E-09	7.86E-10	8.20E-10	1.61E-09
2173	566889.53	4216619.38	8.32E-09	8.98E-09	1.73E-08	7.22E-09	7.95E-09	1.52E-08	8.73E-10	1.29E-09	2.16E-09	7.60E-10	7.93E-10	1.55E-09
2174	566910.84	4216601.13	7.51E-09	8.11E-09	1.56E-08	6.52E-09	7.17E-09	1.37E-08	7.88E-10	1.16E-09	1.95E-09	6.86E-10	7.16E-10	1.40E-09
2175	566917.95	4216595.05	7.26E-09	7.83E-09	1.51E-08	6.29E-09	6.93E-09	1.32E-08	7.61E-10	1.12E-09	1.88E-09	6.63E-10	6.92E-10	1.35E-09
2176	566925.05	4216588.97	7.00E-09	7.56E-09	1.46E-08	6.08E-09	6.69E-09	1.28E-08	7.35E-10	1.08E-09	1.82E-09	6.40E-10	6.68E-10	1.31E-09
2177	566932.16	4216582.89	6.76E-09	7.29E-09	1.41E-08	5.86E-09	6.45E-09	1.23E-08	7.09E-10	1.05E-09	1.75E-09	6.17E-10	6.44E-10	1.26E-09
2178	566939.26	4216576.81	6.52E-09	7.04E-09	1.36E-08	5.66E-09	6.23E-09	1.19E-08	6.84E-10	1.01E-09	1.69E-09	5.96E-10	6.22E-10	1.22E-09
2179	566946.36	4216570.73	6.30E-09	6.80E-09	1.31E-08	5.47E-09	6.02E-09	1.15E-08	6.61E-10	9.75E-10	1.64E-09	5.75E-10	6.01E-10	1.18E-09
2180	566962.56	4216562.47	6.00E-09	6.47E-09	1.25E-08	5.20E-09	5.73E-09	1.09E-08	6.29E-10	9.28E-10	1.56E-09	5.48E-10	5.72E-10	1.12E-09
2181	566971.65	4216560.28	5.91E-09	6.38E-09	1.23E-08	5.13E-09	5.65E-09	1.08E-08	6.20E-10	9.15E-10	1.53E-09	5.40E-10	5.63E-10	1.10E-09
2182	566989.84	4216555.91	5.75E-09	6.21E-09	1.20E-08	4.99E-09	5.49E-09	1.05E-08	6.03E-10	8.90E-10	1.49E-09	5.25E-10	5.48E-10	1.07E-09
2183	566998.93	4216553.72	5.68E-09	6.13E-09	1.18E-08	4.93E-09	5.43E-09	1.04E-08	5.96E-10	8.79E-10	1.48E-09	5.19E-10	5.41E-10	1.06E-09
2184	567008.02	4216551.54	5.62E-09	6.06E-09	1.17E-08	4.87E-09	5.36E-09	1.02E-08	5.89E-10	8.69E-10	1.46E-09	5.13E-10	5.35E-10	1.05E-09
2185	567017.11	4216549.35	5.55E-09	5.99E-09	1.15E-08	4.82E-09	5.30E-09	1.01E-08	5.82E-10	8.59E-10	1.44E-09	5.07E-10	5.29E-10	1.04E-09
2186	567026.21	4216547.16	5.49E-09	5.93E-09	1.14E-08	4.77E-09	5.25E-09	1.00E-08	5.76E-10	8.50E-10	1.43E-09	5.02E-10	5.24E-10	1.03E-09
2187	567035.3	4216544.98	5.44E-09	5.87E-09	1.13E-08	4.72E-09	5.19E-09	9.91E-09	5.70E-10	8.42E-10	1.41E-09	4.97E-10	5.18E-10	1.01E-09
2188	567044.39	4216542.79	5.39E-09	5.81E-09	1.12E-08	4.67E-09	5.14E-09	9.82E-09	5.65E-10	8.34E-10	1.40E-09	4.92E-10	5.13E-10	1.01E-09
2189	567053.48	4216540.6	5.34E-09	5.76E-09	1.11E-08	4.63E-09	5.10E-09	9.73E-09	5.60E-10	8.26E-10	1.39E-09	4.88E-10	5.09E-10	9.96E-10
2190	567062.57	4216538.42	5.29E-09	5.71E-09	1.10E-08	4.59E-09	5.05E-09	9.64E-09	5.55E-10	8.19E-10	1.37E-09	4.83E-10	5.04E-10	9.88E-10
2191	567071.67	4216536.23	5.25E-09	5.66E-09	1.09E-08	4.55E-09	5.01E-09	9.56E-09	5.50E-10	8.12E-10	1.36E-09	4.79E-10	5.00E-10	9.79E-10
2192	567080.76	4216534.05	5.21E-09	5.62E-09	1.08E-08	4.52E-09	4.97E-09	9.49E-09	5.46E-10	8.06E-10	1.35E-09	4.76E-10	4.96E-10	9.72E-10
2193	566846.9	4216655.86	1.01E-08	1.09E-08	2.09E-08	8.72E-09	9.60E-09	1.83E-08	1.05E-09	1.56E-09	2.61E-09	9.18E-10	9.58E-10	1.88E-09
2194	566841.19	4216663.74	1.05E-08	1.13E-08	2.18E-08	9.08E-09	1.00E-08	1.91E-08	1.10E-09	1.62E-09	2.72E-09	9.56E-10	9.98E-10	1.95E-09
2195	566818.34	4216695.28	1.22E-08	1.32E-08	2.54E-08	1.06E-08	1.17E-08	2.22E-08	1.28E-09	1.89E-09	3.17E-09	1.11E-09	1.16E-09	2.28E-09
2196	566812.63	4216703.17	1.26E-08	1.37E-08	2.63E-08	1.10E-08	1.21E-08	2.31E-08	1.33E-09	1.96E-09	3.28E-09	1.16E-09	1.21E-09	2.36E-09
2197	566806.92	4216711.05	1.31E-08	1.41E-08	2.72E-08	1.14E-08	1.25E-08	2.39E-08	1.37E-09	2.03E-09	3.40E-09	1.20E-09	1.25E-09	2.44E-09

2198	566801.2	4216718.94	1.35E-08	1.46E-08	2.81E-08	1.17E-08	1.29E-08	2.47E-08	1.42E-09	2.10E-09	3.51E-09	1.24E-09	1.29E-09	2.53E-09
2199	566795.49	4216726.82	1.40E-08	1.51E-08	2.91E-08	1.21E-08	1.33E-08	2.55E-08	1.47E-09	2.16E-09	3.63E-09	1.28E-09	1.33E-09	2.61E-09
2200	566789.78	4216734.71	1.44E-08	1.55E-08	2.99E-08	1.25E-08	1.38E-08	2.62E-08	1.51E-09	2.23E-09	3.74E-09	1.32E-09	1.37E-09	2.69E-09
2201	566784.07	4216742.59	1.48E-08	1.60E-08	3.08E-08	1.29E-08	1.41E-08	2.70E-08	1.55E-09	2.29E-09	3.85E-09	1.35E-09	1.41E-09	2.76E-09
2202	566778.36	4216750.48	1.52E-08	1.64E-08	3.16E-08	1.32E-08	1.45E-08	2.77E-08	1.59E-09	2.35E-09	3.95E-09	1.39E-09	1.45E-09	2.84E-09
2203	566772.64	4216758.36	1.56E-08	1.68E-08	3.24E-08	1.35E-08	1.49E-08	2.84E-08	1.63E-09	2.41E-09	4.04E-09	1.42E-09	1.48E-09	2.91E-09
2204	566766.93	4216766.25	1.59E-08	1.72E-08	3.31E-08	1.38E-08	1.52E-08	2.90E-08	1.67E-09	2.46E-09	4.13E-09	1.45E-09	1.52E-09	2.97E-09
2205	566761.22	4216774.13	1.62E-08	1.75E-08	3.38E-08	1.41E-08	1.55E-08	2.96E-08	1.70E-09	2.51E-09	4.22E-09	1.48E-09	1.55E-09	3.03E-09
2206	566755.51	4216782.02	1.65E-08	1.78E-08	3.43E-08	1.43E-08	1.58E-08	3.01E-08	1.73E-09	2.56E-09	4.29E-09	1.51E-09	1.57E-09	3.08E-09
2207	566749.79	4216789.9	1.68E-08	1.81E-08	3.49E-08	1.45E-08	1.60E-08	3.06E-08	1.76E-09	2.59E-09	4.35E-09	1.53E-09	1.60E-09	3.13E-09
2208	566846.15	4216643.71	9.38E-09	1.01E-08	1.95E-08	8.14E-09	8.96E-09	1.71E-08	9.84E-10	1.45E-09	2.44E-09	8.57E-10	8.94E-10	1.75E-09
2209	566853.49	4216637.43	9.10E-09	9.82E-09	1.89E-08	7.90E-09	8.69E-09	1.66E-08	9.55E-10	1.41E-09	2.36E-09	8.31E-10	8.67E-10	1.70E-09
2210	566860.83	4216631.14	8.82E-09	9.52E-09	1.83E-08	7.65E-09	8.43E-09	1.61E-08	9.25E-10	1.37E-09	2.29E-09	8.06E-10	8.41E-10	1.65E-09
2211	566868.17	4216624.86	8.54E-09	9.22E-09	1.78E-08	7.41E-09	8.16E-09	1.56E-08	8.96E-10	1.32E-09	2.22E-09	7.81E-10	8.14E-10	1.59E-09
2212	566875.51	4216618.58	8.27E-09	8.93E-09	1.72E-08	7.18E-09	7.90E-09	1.51E-08	8.68E-10	1.28E-09	2.15E-09	7.56E-10	7.88E-10	1.54E-09
2213	566882.85	4216612.29	8.00E-09	8.63E-09	1.66E-08	6.94E-09	7.64E-09	1.46E-08	8.39E-10	1.24E-09	2.08E-09	7.31E-10	7.62E-10	1.49E-09
2214	566890.19	4216606.01	7.73E-09	8.35E-09	1.61E-08	6.71E-09	7.39E-09	1.41E-08	8.11E-10	1.20E-09	2.01E-09	7.06E-10	7.37E-10	1.44E-09
2215	566912.22	4216587.16	6.97E-09	7.52E-09	1.45E-08	6.04E-09	6.65E-09	1.27E-08	7.31E-10	1.08E-09	1.81E-09	6.36E-10	6.64E-10	1.30E-09
2216	566919.56	4216580.88	6.72E-09	7.25E-09	1.40E-08	5.83E-09	6.42E-09	1.23E-08	7.05E-10	1.04E-09	1.75E-09	6.14E-10	6.41E-10	1.25E-09
2217	566926.9	4216574.59	6.48E-09	7.00E-09	1.35E-08	5.62E-09	6.19E-09	1.18E-08	6.80E-10	1.00E-09	1.68E-09	5.92E-10	6.18E-10	1.21E-09
2218	566934.24	4216568.31	6.25E-09	6.75E-09	1.30E-08	5.43E-09	5.97E-09	1.14E-08	6.56E-10	9.68E-10	1.62E-09	5.71E-10	5.96E-10	1.17E-09
2219	566941.58	4216562.03	6.04E-09	6.52E-09	1.26E-08	5.24E-09	5.77E-09	1.10E-08	6.34E-10	9.35E-10	1.57E-09	5.52E-10	5.76E-10	1.13E-09
2220	566958.32	4216553.49	5.75E-09	6.20E-09	1.19E-08	4.99E-09	5.49E-09	1.05E-08	6.03E-10	8.89E-10	1.49E-09	5.25E-10	5.48E-10	1.07E-09
2221	566967.71	4216551.23	5.66E-09	6.11E-09	1.18E-08	4.91E-09	5.41E-09	1.03E-08	5.94E-10	8.76E-10	1.47E-09	5.17E-10	5.40E-10	1.06E-09
2222	566986.5	4216546.71	5.51E-09	5.95E-09	1.15E-08	4.78E-09	5.26E-09	1.00E-08	5.78E-10	8.53E-10	1.43E-09	5.03E-10	5.25E-10	1.03E-09
2223	566995.9	4216544.45	5.44E-09	5.87E-09	1.13E-08	4.72E-09	5.20E-09	9.92E-09	5.71E-10	8.42E-10	1.41E-09	4.97E-10	5.19E-10	1.02E-09
2224	567005.29	4216542.19	5.38E-09	5.80E-09	1.12E-08	4.66E-09	5.13E-09	9.80E-09	5.64E-10	8.32E-10	1.40E-09	4.91E-10	5.12E-10	1.00E-09
2225	567014.69	4216539.93	5.31E-09	5.74E-09	1.10E-08	4.61E-09	5.08E-09	9.68E-09	5.57E-10	8.22E-10	1.38E-09	4.85E-10	5.06E-10	9.92E-10
2226	567024.08	4216537.67	5.25E-09	5.67E-09	1.09E-08	4.56E-09	5.02E-09	9.58E-09	5.51E-10	8.13E-10	1.36E-09	4.80E-10	5.01E-10	9.81E-10
2227	567033.48	4216535.41	5.20E-09	5.61E-09	1.08E-08	4.51E-09	4.97E-09	9.48E-09	5.46E-10	8.05E-10	1.35E-09	4.75E-10	4.96E-10	9.71E-10
2228	567042.87	4216533.15	5.15E-09	5.56E-09	1.07E-08	4.47E-09	4.92E-09	9.39E-09	5.40E-10	7.97E-10	1.34E-09	4.71E-10	4.91E-10	9.62E-10
2229	567052.27	4216530.9	5.11E-09	5.51E-09	1.06E-08	4.43E-09	4.88E-09	9.31E-09	5.36E-10	7.90E-10	1.33E-09	4.66E-10	4.87E-10	9.53E-10
2230	567061.66	4216528.64	5.06E-09	5.47E-09	1.05E-08	4.39E-09	4.84E-09	9.23E-09	5.31E-10	7.84E-10	1.31E-09	4.63E-10	4.83E-10	9.45E-10
2231	567071.06	4216526.38	5.02E-09	5.42E-09	1.04E-08	4.36E-09	4.80E-09	9.16E-09	5.27E-10	7.78E-10	1.30E-09	4.59E-10	4.79E-10	9.38E-10
2232	567080.45	4216524.12	4.99E-09	5.38E-09	1.04E-08	4.33E-09	4.76E-09	9.09E-09	5.23E-10	7.72E-10	1.29E-09	4.56E-10	4.75E-10	9.31E-10
2233	566838.8	4216649.99	9.67E-09	1.04E-08	2.01E-08	8.39E-09	9.23E-09	1.76E-08	1.01E-09	1.50E-09	2.51E-09	8.83E-10	9.21E-10	1.80E-09
2234	566833.09	4216657.88	1.01E-08	1.09E-08	2.09E-08	8.72E-09	9.61E-09	1.83E-08	1.05E-09	1.56E-09	2.61E-09	9.19E-10	9.59E-10	1.88E-09
2235	566827.38	4216665.76	1.05E-08	1.13E-08	2.17E-08	9.07E-09	9.99E-09	1.91E-08	1.10E-09	1.62E-09	2.71E-09	9.55E-10	9.97E-10	1.95E-09
2236	566804.53	4216697.3	1.21E-08	1.31E-08	2.52E-08	1.05E-08	1.16E-08	2.21E-08	1.27E-09	1.87E-09	3.14E-09	1.11E-09	1.15E-09	2.26E-09
2237	566798.82	4216705.19	1.25E-08	1.35E-08	2.60E-08	1.09E-08	1.20E-08	2.28E-08	1.31E-09	1.94E-09	3.25E-09	1.14E-09	1.19E-09	2.34E-09
2238	566793.11	4216713.07	1.29E-08	1.40E-08	2.69E-08	1.12E-08	1.24E-08	2.36E-08	1.36E-09	2.00E-09	3.36E-09	1.18E-09	1.23E-09	2.41E-09
2239	566787.39	4216720.96	1.33E-08	1.44E-08	2.77E-08	1.16E-08	1.27E-08	2.43E-08	1.40E-09	2.07E-09	3.47E-09	1.22E-09	1.27E-09	2.49E-09
2240	566781.68	4216728.84	1.37E-08	1.48E-08	2.86E-08	1.19E-08	1.31E-08	2.51E-08	1.44E-09	2.13E-09	3.57E-09	1.26E-09	1.31E-09	2.57E-09
2241	566775.97	4216736.73	1.41E-08	1.53E-08	2.94E-08	1.23E-08	1.35E-08	2.58E-08	1.48E-09	2.19E-09	3.67E-09	1.29E-09	1.35E-09	2.64E-09
2242	566770.26	4216744.61	1.45E-08	1.57E-08	3.01E-08	1.26E-08	1.38E-08	2.64E-08	1.52E-09	2.24E-09	3.76E-09	1.32E-09	1.38E-09	2.71E-09
2243	566764.55	4216752.5	1.49E-08	1.60E-08	3.09E-08	1.29E-08	1.42E-08	2.71E-08	1.56E-09	2.30E-09	3.86E-09	1.36E-09	1.42E-09	2.77E-09
2244	566758.83	4216760.38	1.52E-08	1.64E-08	3.16E-08	1.32E-08	1.45E-08	2.77E-08	1.59E-09	2.35E-09	3.94E-09	1.39E-09	1.45E-09	2.83E-09
2245	566753.12	4216768.27	1.55E-08	1.67E-08	3.22E-08	1.34E-08	1.48E-08	2.82E-08	1.62E-09	2.40E-09	4.02E-09	1.41E-09	1.48E-09	2.89E-09
2246	566747.41	4216776.15	1.57E-08	1.70E-08	3.27E-08	1.37E-08	1.50E-08	2.87E-08	1.65E-09	2.44E-09	4.09E-09	1.44E-09	1.50E-09	2.94E-09
2247	566741.7	4216784.04	1.60E-08	1.72E-08	3.32E-08	1.39E-08	1.53E-08	2.91E-08	1.68E-09	2.47E-09	4.15E-09	1.46E-09	1.52E-09	2.98E-09
2248	566996.35	4216991.83	1.91E-07	2.06E-07	3.96E-07	1.65E-07	1.82E-07	3.47E-07	2.00E-08	2.95E-08	4.95E-08	1.74E-08	1.82E-08	3.56E-08
2249	566983.49	4216995.37	1.49E-07	1.61E-07	3.10E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.87E-08	1.36E-08	1.42E-08	2.78E-08
2250	566998.28	4217005.03	1.57E-07	1.69E-07	3.25E-07	1.36E-07	1.50E-07	2.85E-07	1.64E-08	2.42E-08	4.06E-08	1.43E-08	1.49E-08	2.92E-08
2251	566959.26	4216971.55	1.24E-07	1.34E-07	2.58E-07	1.08E-07	1.18E-07	2.26E-07	1.30E-08	1.92E-08	3.22E-08	1.13E-08	1.18E-08	2.32E-08
2252	566978.02	4217003.74	1.24E-07	1.34E-07	2.59E-07	1.08E-07	1.19E-07	2.27E-07	1.31E-08	1.93E-08	3.23E-08	1.14E-08	1.19E-08	2.32E-08
2253	566992.81	4217013.4	1.28E-07	1.38E-07	2.66E-07	1.11E-07	1.22E-07	2.33E-07	1.34E-08	1.98E-08	3.32E-08	1.17E-08	1.22E-08	2.39E-08
2254	567007.6	4217023.07	1.28E-07	1.38E-07	2.66E-07	1.11E-07	1.22E-07	2.34E-07	1.34E-08	1.98E-08	3.33E-08	1.17E-08	1.22E-08	2.39E-08
2255	566952.06	4216987.61	1.05E-07	1.13E-07	2.18E-07	9.09E-08	1.00E-07	1.91E-07	1.10E-08	1.62E-08	2.72E-08	9.57E-09	9.99E-09	1.96E-08
2256	566949.43	4216973.37	1.08E-07	1.16E-07	2.24E-07	9.35E-08	1.03E-07	1.96E-07	1.13E-08	1.67E-08	2.80E-08	9.84E-09	1.03E-08	2.01E-08
2257	566972.55	4217012.11	1.06E-07	1.14E-07	2.19E-07	9.16E-08	1.01E-07	1.92E-07	1.11E-08	1.63E-08	2.74E-08	9.64E-09	1.01E-08	1.97E-08
2258	566987.34	4217021.77	1.07E-07	1.15E-07	2.22E-07	9.25E-08	1.02E-07	1.94E-07	1.12E-08	1.65E-08	2.77E-08	9.74E-09	1.02E-08	1.99E-08
2259	567002.13	4217031.44	1.05E-07	1.13E-07	2.18E-07	9.08E-08	1.00E-07	1.91E-07	1.10E-08	1.62E-08	2.72E-08	9.56E-09	9.98E-09	1.95E-08
2260	566946.59	4216995.98	9.31E-08	1.01E-07	1.94E-07	8.08E-08	8.90E-08	1.70E-07	9.77E-09	1.44E-08	2.42E-08	8.51E-09	8.88E-09	1.74E-08
2261	566939.6	4216975.18	9.49E-08	1.02E-07	1.97E-07	8.23E-08	9.06E-08	1.73E-07	9.95E-09	1.47E-08	2.46E-08	8.67E-09	9.04E-09	1.77E-08
2262	566943.07	4216959.82	1.01E-07	1.09E-07	2.10E-07	8.76E-08	9.65E-08	1.84E-07	1.06E-08	1.56E-08	2.62E-08	9.23E-09	9.63E-09	1.89E-08
2263	566967.08	4217020.48	9.04E-08	9.76E-08	1.88E-07	7.84E-08	8.64E-08	1.65E-07	9.48E-09	1.40E-08	2.35E-08	8.26E-09	8.62E-09	1.69E-08
2264	566981.87	4217030.15	9.00E-08	9.72E-08	1.87E-07	7.81E-08	8.60E-08	1.64E-07	9.44E-09	1.39E-08	2.34E-08	8.22E-09	8.58E-09	1.68E-08
2265	566996.66	4217039.81	8.70E-08	9.39E-08	1.81E-07	7.55E-08	8.31E-08	1.59E-07	9.12E-09	1.35E-08	2.26E-08	7.94E-09	8.29E-09	1.62E-08
2266	566941.12	4217004.35	8.28E-08	8.94E-08	1.72E-07	7.19E-08	7.91E-08	1.51E-07	8.69E-09	1.28E-08	2.15E-08	7.57E-09	7.89E-09	1.55E-08
2267	566932.39	4216991.24	8.22E-08	8.88E-08	1.71E-07	7.13E-08	7.85E-08	1.50E-07	8.62E-09	1.27E-08	2.14E-08	7.51E-09	7.84E-09	1.53E-08
2268	566929.76	4216977	8.44E-08	9.11E-08	1.76E-07	7.33E-08	8.06E-08	1.54E-07	8.86E-09	1.31E-08	2.19E-08	7.71E-09	8.05E-09	1.58E-08

2269	566933.23	4216961.64	8.98E-08	9.70E-08	1.87E-07	7.80E-08	8.58E-08	1.64E-07	9.42E-09	1.39E-08	2.33E-08	8.21E-09	8.56E-09	1.68E-08
2270	566961.61	4217028.85	7.81E-08	8.43E-08	1.62E-07	6.78E-08	7.46E-08	1.42E-07	8.19E-09	1.21E-08	2.03E-08	7.14E-09	7.45E-09	1.46E-08
2271	566976.4	4217038.52	7.68E-08	8.29E-08	1.60E-07	6.66E-08	7.33E-08	1.40E-07	8.05E-09	1.19E-08	1.99E-08	7.01E-09	7.32E-09	1.43E-08
2272	566991.19	4217048.18	7.32E-08	7.91E-08	1.52E-07	6.35E-08	7.00E-08	1.34E-07	7.68E-09	1.13E-08	1.90E-08	6.69E-09	6.98E-09	1.37E-08
2273	566935.65	4217012.72	7.38E-08	7.96E-08	1.53E-07	6.40E-08	7.05E-08	1.34E-07	7.74E-09	1.14E-08	1.92E-08	6.74E-09	7.03E-09	1.38E-08
2274	566926.92	4216999.61	7.45E-08	8.04E-08	1.55E-07	6.46E-08	7.11E-08	1.36E-07	7.81E-09	1.15E-08	1.93E-08	6.80E-09	7.10E-09	1.39E-08
2275	566919.93	4216978.81	7.58E-08	8.18E-08	1.58E-07	6.58E-08	7.24E-08	1.38E-07	7.95E-09	1.17E-08	1.97E-08	6.92E-09	7.22E-09	1.41E-08
2276	566923.4	4216963.45	8.06E-08	8.70E-08	1.68E-07	6.99E-08	7.70E-08	1.47E-07	8.45E-09	1.25E-08	2.09E-08	7.36E-09	7.68E-09	1.50E-08
2277	566926.87	4216948.09	8.31E-08	8.97E-08	1.73E-07	7.21E-08	7.93E-08	1.51E-07	8.71E-09	1.29E-08	2.16E-08	7.59E-09	7.92E-09	1.55E-08
2278	566956.14	4217037.22	6.80E-08	7.34E-08	1.41E-07	5.90E-08	6.49E-08	1.24E-07	7.13E-09	1.05E-08	1.76E-08	6.21E-09	6.48E-09	1.27E-08
2279	566930.18	4217021.09	6.59E-08	7.11E-08	1.37E-07	5.71E-08	6.29E-08	1.20E-07	6.91E-09	1.02E-08	1.71E-08	6.02E-09	6.28E-09	1.23E-08
2280	566921.45	4217007.98	6.74E-08	7.27E-08	1.40E-07	5.84E-08	6.43E-08	1.23E-07	7.07E-09	1.04E-08	1.75E-08	6.15E-09	6.42E-09	1.26E-08
2281	566912.72	4216994.87	6.68E-08	7.21E-08	1.39E-07	5.80E-08	6.38E-08	1.22E-07	7.01E-09	1.03E-08	1.74E-08	6.10E-09	6.37E-09	1.25E-08
2282	566910.09	4216980.63	6.85E-08	7.40E-08	1.43E-07	5.95E-08	6.55E-08	1.25E-07	7.19E-09	1.06E-08	1.78E-08	6.26E-09	6.53E-09	1.28E-08
2283	566913.57	4216965.27	7.28E-08	7.86E-08	1.51E-07	6.32E-08	6.95E-08	1.33E-07	7.63E-09	1.13E-08	1.89E-08	6.65E-09	6.94E-09	1.36E-08
2284	566917.04	4216949.9	7.52E-08	8.12E-08	1.56E-07	6.53E-08	7.19E-08	1.37E-07	7.89E-09	1.16E-08	1.95E-08	6.87E-09	7.17E-09	1.40E-08
2285	566965.46	4217055.26	5.72E-08	6.18E-08	1.19E-07	4.97E-08	5.47E-08	1.04E-07	6.00E-09	8.86E-09	1.49E-08	5.23E-09	5.46E-09	1.07E-08
2286	566980.25	4217064.93	5.36E-08	5.78E-08	1.11E-07	4.65E-08	5.12E-08	9.77E-08	5.62E-09	8.30E-09	1.39E-08	4.90E-09	5.11E-09	1.00E-08
2287	566924.71	4217029.46	5.89E-08	6.36E-08	1.22E-07	5.11E-08	5.63E-08	1.07E-07	6.18E-09	9.12E-09	1.53E-08	5.38E-09	5.62E-09	1.10E-08
2288	566915.98	4217016.35	6.09E-08	6.58E-08	1.27E-07	5.29E-08	5.82E-08	1.11E-07	6.39E-09	9.43E-09	1.58E-08	5.57E-09	5.81E-09	1.14E-08
2289	566907.25	4217003.24	6.13E-08	6.61E-08	1.27E-07	5.32E-08	5.85E-08	1.12E-07	6.43E-09	9.48E-09	1.59E-08	5.60E-09	5.84E-09	1.14E-08
2290	566900.26	4216982.44	6.24E-08	6.73E-08	1.30E-07	5.41E-08	5.96E-08	1.14E-07	6.54E-09	9.65E-09	1.62E-08	5.70E-09	5.94E-09	1.16E-08
2291	566903.73	4216967.08	6.61E-08	7.14E-08	1.38E-07	5.74E-08	6.32E-08	1.21E-07	6.94E-09	1.02E-08	1.72E-08	6.04E-09	6.30E-09	1.23E-08
2292	566907.2	4216951.72	6.85E-08	7.39E-08	1.42E-07	5.94E-08	6.54E-08	1.25E-07	7.18E-09	1.06E-08	1.78E-08	6.26E-09	6.53E-09	1.28E-08
2293	566910.67	4216936.35	6.92E-08	7.47E-08	1.44E-07	6.00E-08	6.61E-08	1.26E-07	7.25E-09	1.07E-08	1.80E-08	6.32E-09	6.59E-09	1.29E-08
2294	566945.2	4217053.96	5.23E-08	5.65E-08	1.09E-07	4.54E-08	5.00E-08	9.54E-08	5.49E-09	8.10E-09	1.36E-08	4.78E-09	4.99E-09	9.77E-09
2295	566959.99	4217063.63	4.99E-08	5.39E-08	1.04E-07	4.33E-08	4.77E-08	9.10E-08	5.24E-09	7.73E-09	1.30E-08	4.56E-09	4.76E-09	9.32E-09
2296	566974.78	4217073.3	4.64E-08	5.01E-08	9.65E-08	4.03E-08	4.43E-08	8.46E-08	4.87E-09	7.18E-09	1.21E-08	4.24E-09	4.42E-09	8.66E-09
2297	566917.78	4217035.65	5.33E-08	5.75E-08	1.11E-07	4.63E-08	5.09E-08	9.72E-08	5.59E-09	8.25E-09	1.38E-08	4.87E-09	5.08E-09	9.95E-09
2298	566908.09	4217021.08	5.56E-08	6.00E-08	1.16E-07	4.82E-08	5.31E-08	1.01E-07	5.83E-09	8.60E-09	1.44E-08	5.08E-09	5.30E-09	1.04E-08
2299	566898.39	4217006.51	5.61E-08	6.05E-08	1.17E-07	4.87E-08	5.36E-08	1.02E-07	5.88E-09	8.68E-09	1.46E-08	5.12E-09	5.35E-09	1.05E-08
2300	566890.62	4216983.41	5.73E-08	6.18E-08	1.19E-07	4.97E-08	5.47E-08	1.04E-07	6.00E-09	8.86E-09	1.49E-08	5.23E-09	5.46E-09	1.07E-08
2301	566894.48	4216966.34	6.09E-08	6.57E-08	1.27E-07	5.28E-08	5.82E-08	1.11E-07	6.39E-09	9.42E-09	1.58E-08	5.56E-09	5.80E-09	1.14E-08
2302	566898.33	4216949.26	6.30E-08	6.80E-08	1.31E-07	5.47E-08	6.02E-08	1.15E-07	6.61E-09	9.76E-09	1.64E-08	5.76E-09	6.01E-09	1.18E-08
2303	566900.26	4216940.73	6.35E-08	6.85E-08	1.32E-07	5.51E-08	6.06E-08	1.16E-07	6.66E-09	9.82E-09	1.65E-08	5.80E-09	6.05E-09	1.18E-08
2304	566939.73	4217062.34	4.63E-08	4.99E-08	9.62E-08	4.01E-08	4.42E-08	8.43E-08	4.85E-09	7.16E-09	1.20E-08	4.22E-09	4.41E-09	8.63E-09
2305	566954.52	4217072	4.38E-08	4.73E-08	9.11E-08	3.80E-08	4.19E-08	7.99E-08	4.60E-09	6.78E-09	1.14E-08	4.00E-09	4.18E-09	8.18E-09
2306	566969.31	4217081.67	4.05E-08	4.37E-08	8.42E-08	3.51E-08	3.87E-08	7.38E-08	4.25E-09	6.26E-09	1.05E-08	3.70E-09	3.86E-09	7.55E-09
2307	566893.26	4217015.39	5.15E-08	5.56E-08	1.07E-07	4.47E-08	4.92E-08	9.39E-08	5.40E-09	7.97E-09	1.34E-08	4.70E-09	4.91E-09	9.61E-09
2308	566883.66	4217000.97	5.12E-08	5.53E-08	1.06E-07	4.44E-08	4.89E-08	9.34E-08	5.37E-09	7.93E-09	1.33E-08	4.68E-09	4.88E-09	9.56E-09
2309	566880.77	4216985.31	5.26E-08	5.68E-08	1.09E-07	4.56E-08	5.02E-08	9.59E-08	5.52E-09	8.14E-09	1.37E-08	4.80E-09	5.01E-09	9.82E-09
2310	566884.58	4216968.41	5.58E-08	6.03E-08	1.16E-07	4.84E-08	5.33E-08	1.02E-07	5.86E-09	8.64E-09	1.45E-08	5.10E-09	5.32E-09	1.04E-08
2311	566888.4	4216951.51	5.79E-08	6.25E-08	1.20E-07	5.02E-08	5.53E-08	1.06E-07	6.07E-09	8.96E-09	1.50E-08	5.29E-09	5.52E-09	1.08E-08
2312	566892.22	4216934.61	5.86E-08	6.32E-08	1.22E-07	5.08E-08	5.60E-08	1.07E-07	6.14E-09	9.07E-09	1.52E-08	5.35E-09	5.58E-09	1.09E-08
2313	566934.25	4217070.71	4.11E-08	4.43E-08	8.54E-08	3.56E-08	3.92E-08	7.49E-08	4.31E-09	6.36E-09	1.07E-08	3.75E-09	3.91E-09	7.67E-09
2314	566949.05	4217080.37	3.87E-08	4.17E-08	8.04E-08	3.35E-08	3.69E-08	7.05E-08	4.05E-09	5.98E-09	1.00E-08	3.53E-09	3.68E-09	7.22E-09
2315	566963.84	4217090.04	3.55E-08	3.84E-08	7.39E-08	3.08E-08	3.39E-08	6.48E-08	3.73E-09	5.50E-09	9.23E-09	3.25E-09	3.39E-09	6.63E-09
2316	566907.11	4217052.79	4.32E-08	4.66E-08	8.98E-08	3.75E-08	4.13E-08	7.87E-08	4.53E-09	6.68E-09	1.12E-08	3.95E-09	4.12E-09	8.06E-09
2317	566878.54	4217009.88	4.75E-08	5.13E-08	9.88E-08	4.12E-08	4.54E-08	8.66E-08	4.98E-09	7.35E-09	1.23E-08	4.34E-09	4.53E-09	8.87E-09
2318	566870.92	4216987.19	4.85E-08	5.23E-08	1.01E-07	4.21E-08	4.63E-08	8.84E-08	5.09E-09	7.51E-09	1.26E-08	4.43E-09	4.62E-09	9.05E-09
2319	566874.7	4216970.43	5.14E-08	5.55E-08	1.07E-07	4.46E-08	4.91E-08	9.37E-08	5.39E-09	7.96E-09	1.34E-08	4.70E-09	4.90E-09	9.60E-09
2320	566878.49	4216953.67	5.34E-08	5.76E-08	1.11E-07	4.63E-08	5.10E-08	9.73E-08	5.60E-09	8.26E-09	1.39E-08	4.88E-09	5.09E-09	9.97E-09
2321	566882.28	4216936.91	5.42E-08	5.85E-08	1.13E-07	4.70E-08	5.18E-08	9.88E-08	5.69E-09	8.39E-09	1.41E-08	4.95E-09	5.17E-09	1.01E-08
2322	566886.06	4216920.15	5.38E-08	5.81E-08	1.12E-07	4.67E-08	5.14E-08	9.81E-08	5.65E-09	8.33E-09	1.40E-08	4.92E-09	5.13E-09	1.00E-08
2323	566928.78	4217079.08	3.66E-08	3.95E-08	7.61E-08	3.18E-08	3.50E-08	6.67E-08	3.84E-09	5.66E-09	9.50E-09	3.34E-09	3.49E-09	6.83E-09
2324	566943.58	4217088.74	3.43E-08	3.70E-08	7.13E-08	2.97E-08	3.27E-08	6.25E-08	3.59E-09	5.30E-09	8.90E-09	3.13E-09	3.27E-09	6.40E-09
2325	566958.37	4217098.41	3.14E-08	3.39E-08	6.52E-08	2.72E-08	3.00E-08	5.72E-08	3.29E-09	4.85E-09	8.14E-09	2.87E-09	2.99E-09	5.85E-09
2326	566901.74	4217061.31	3.90E-08	4.21E-08	8.10E-08	3.38E-08	3.72E-08	7.10E-08	4.09E-09	6.03E-09	1.01E-08	3.56E-09	3.71E-09	7.27E-09
2327	566892.28	4217047.1	4.16E-08	4.49E-08	8.65E-08	3.61E-08	3.97E-08	7.58E-08	4.36E-09	6.44E-09	1.08E-08	3.80E-09	3.97E-09	7.77E-09
2328	566882.83	4217032.9	4.33E-08	4.67E-08	9.00E-08	3.75E-08	4.13E-08	7.89E-08	4.54E-09	6.70E-09	1.12E-08	3.95E-09	4.12E-09	8.08E-09
2329	566861.07	4216989.07	4.48E-08	4.84E-08	9.32E-08	3.89E-08	4.28E-08	8.17E-08	4.70E-09	6.94E-09	1.16E-08	4.10E-09	4.27E-09	8.37E-09
2330	566864.83	4216972.42	4.75E-08	5.13E-08	9.87E-08	4.12E-08	4.54E-08	8.66E-08	4.98E-09	7.35E-09	1.23E-08	4.34E-09	4.53E-09	8.86E-09
2331	566868.59	4216955.78	4.94E-08	5.33E-08	1.03E-07	4.28E-08	4.72E-08	9.00E-08	5.18E-09	7.64E-09	1.28E-08	4.51E-09	4.71E-09	9.21E-09
2332	566872.35	4216939.13	5.03E-08	5.43E-08	1.05E-07	4.36E-08	4.80E-08	9.17E-08	5.28E-09	7.79E-09	1.31E-08	4.59E-09	4.79E-09	9.39E-09
2333	566876.11	4216922.49	5.02E-08	5.42E-08	1.04E-07	4.36E-08	4.79E-08	9.15E-08	5.27E-09	7.77E-09	1.30E-08	4.59E-09	4.78E-09	9.37E-09
2334	566923.31	4217087.45	3.27E-08	3.53E-08	6.80E-08	2.84E-08	3.13E-08	5.96E-08	3.43E-09	5.07E-09	8.50E-09	2.99E-09	3.12E-09	6.11E-09
2335	566938.11	4217097.12	3.05E-08	3.29E-08	6.34E-08	2.65E-08	2.91E-08	5.56E-08	3.20E-09	4.72E-09	7.92E-09	2.79E-09	2.91E-09	5.69E-09
2336	566952.9	4217106.78	2.78E-08	3.00E-08	5.79E-08	2.41E-08	2.66E-08	5.07E-08	2.92E-09	4.31E-09	7.23E-09	2.54E-09	2.65E-09	5.19E-09
2337	566896.35	4217069.81	3.52E-08	3.80E-08	7.32E-08	3.06E-08	3.36E-08	6.42E-08	3.69E-09	5.45E-09	9.14E-09	3.22E-09	3.36E-09	6.57E-09
2338	566886.95	4217055.69	3.79E-08	4.09E-08	7.87E-08	3.28E-08	3.62E-08	6.90E-08	3.97E-09	5.86E-09	9.83E-09	3.46E-09	3.61E-09	7.07E-09
2339	566877.55	4217041.56	3.97E-08	4.28E-08	8.25E-08	3.44E-08	3.79E-08	7.23E-08	4.16E-09	6.14E-09	1.03E-08	3.62E-09	3.78E-09	7.40E-09

2340	566868.15	4217027.44	4.06E-08	4.39E-08	8.45E-08	3.53E-08	3.88E-08	7.41E-08	4.26E-09	6.29E-09	1.06E-08	3.71E-09	3.87E-09	7.59E-09
2341	566858.75	4217013.32	4.08E-08	4.41E-08	8.49E-08	3.54E-08	3.90E-08	7.44E-08	4.28E-09	6.32E-09	1.06E-08	3.73E-09	3.89E-09	7.62E-09
2342	566854.96	4216974.38	4.40E-08	4.75E-08	9.15E-08	3.82E-08	4.20E-08	8.02E-08	4.61E-09	6.81E-09	1.14E-08	4.02E-09	4.19E-09	8.21E-09
2343	566858.7	4216957.84	4.58E-08	4.94E-08	9.51E-08	3.97E-08	4.37E-08	8.34E-08	4.80E-09	7.08E-09	1.19E-08	4.18E-09	4.36E-09	8.54E-09
2344	566862.44	4216941.29	4.67E-08	5.04E-08	9.72E-08	4.05E-08	4.46E-08	8.52E-08	4.90E-09	7.23E-09	1.21E-08	4.27E-09	4.45E-09	8.72E-09
2345	566866.18	4216924.75	4.68E-08	5.06E-08	9.74E-08	4.06E-08	4.47E-08	8.54E-08	4.91E-09	7.25E-09	1.22E-08	4.28E-09	4.46E-09	8.74E-09
2346	566869.92	4216908.2	4.61E-08	4.98E-08	9.59E-08	4.00E-08	4.40E-08	8.40E-08	4.84E-09	7.14E-09	1.20E-08	4.21E-09	4.39E-09	8.60E-09
2347	566917.84	4217095.82	2.94E-08	3.17E-08	6.11E-08	2.55E-08	2.80E-08	5.35E-08	3.08E-09	4.54E-09	7.62E-09	2.68E-09	2.80E-09	5.48E-09
2348	566932.64	4217105.49	2.72E-08	2.94E-08	5.66E-08	2.36E-08	2.60E-08	4.97E-08	2.86E-09	4.22E-09	7.07E-09	2.49E-09	2.60E-09	5.09E-09
2349	566947.43	4217115.15	2.48E-08	2.68E-08	5.16E-08	2.15E-08	2.37E-08	4.52E-08	2.60E-09	3.84E-09	6.44E-09	2.27E-09	2.36E-09	4.63E-09
2350	566890.95	4217078.29	3.19E-08	3.45E-08	6.64E-08	2.77E-08	3.05E-08	5.82E-08	3.35E-09	4.94E-09	8.29E-09	2.92E-09	3.04E-09	5.96E-09
2351	566881.6	4217064.24	3.45E-08	3.72E-08	7.17E-08	2.99E-08	3.29E-08	6.29E-08	3.62E-09	5.34E-09	8.95E-09	3.15E-09	3.29E-09	6.44E-09
2352	566872.25	4217050.19	3.64E-08	3.93E-08	7.57E-08	3.16E-08	3.48E-08	6.63E-08	3.82E-09	5.63E-09	9.45E-09	3.32E-09	3.47E-09	6.79E-09
2353	566862.9	4217036.14	3.76E-08	4.06E-08	7.82E-08	3.26E-08	3.59E-08	6.86E-08	3.95E-09	5.82E-09	9.77E-09	3.44E-09	3.59E-09	7.02E-09
2354	566853.55	4217022.09	3.81E-08	4.11E-08	7.92E-08	3.31E-08	3.64E-08	6.94E-08	4.00E-09	5.90E-09	9.89E-09	3.48E-09	3.63E-09	7.11E-09
2355	566844.2	4217008.04	3.79E-08	4.09E-08	7.87E-08	3.28E-08	3.62E-08	6.90E-08	3.97E-09	5.86E-09	9.83E-09	3.46E-09	3.61E-09	7.07E-09
2356	566845.1	4216976.33	4.09E-08	4.41E-08	8.50E-08	3.55E-08	3.91E-08	7.45E-08	4.29E-09	6.33E-09	1.06E-08	3.74E-09	3.90E-09	7.63E-09
2357	566848.82	4216959.86	4.25E-08	4.59E-08	8.84E-08	3.69E-08	4.06E-08	7.75E-08	4.46E-09	6.58E-09	1.10E-08	3.89E-09	4.05E-09	7.94E-09
2358	566852.54	4216943.4	4.35E-08	4.70E-08	9.05E-08	3.78E-08	4.16E-08	7.93E-08	4.56E-09	6.74E-09	1.13E-08	3.97E-09	4.15E-09	8.12E-09
2359	566912.37	4217104.19	2.65E-08	2.86E-08	5.50E-08	2.30E-08	2.53E-08	4.82E-08	2.78E-09	4.10E-09	6.87E-09	2.42E-09	2.52E-09	4.94E-09
2360	566927.17	4217113.86	2.45E-08	2.64E-08	5.08E-08	2.12E-08	2.34E-08	4.46E-08	2.56E-09	3.79E-09	6.35E-09	2.23E-09	2.33E-09	4.56E-09
2361	566941.96	4217123.53	2.22E-08	2.40E-08	4.62E-08	1.93E-08	2.12E-08	4.05E-08	2.33E-09	3.44E-09	5.77E-09	2.03E-09	2.12E-09	4.15E-09
2362	566885.54	4217086.75	2.90E-08	3.13E-08	6.03E-08	2.52E-08	2.77E-08	5.29E-08	3.04E-09	4.49E-09	7.53E-09	2.65E-09	2.77E-09	5.42E-09
2363	566876.23	4217072.76	3.15E-08	3.40E-08	6.55E-08	2.73E-08	3.01E-08	5.74E-08	3.30E-09	4.87E-09	8.17E-09	2.88E-09	3.00E-09	5.88E-09
2364	566866.93	4217058.78	3.34E-08	3.61E-08	6.95E-08	2.90E-08	3.19E-08	6.10E-08	3.51E-09	5.18E-09	8.68E-09	3.05E-09	3.19E-09	6.24E-09
2365	566857.62	4217044.79	3.48E-08	3.76E-08	7.24E-08	3.02E-08	3.32E-08	6.34E-08	3.65E-09	5.39E-09	9.04E-09	3.18E-09	3.32E-09	6.50E-09
2366	566848.31	4217030.81	3.55E-08	3.83E-08	7.38E-08	3.08E-08	3.39E-08	6.47E-08	3.72E-09	5.50E-09	9.22E-09	3.24E-09	3.38E-09	6.63E-09
2367	566839	4217016.82	3.56E-08	3.84E-08	7.40E-08	3.09E-08	3.40E-08	6.49E-08	3.73E-09	5.51E-09	9.24E-09	3.25E-09	3.39E-09	6.64E-09
2368	566831.54	4216994.64	3.62E-08	3.91E-08	7.53E-08	3.14E-08	3.46E-08	6.60E-08	3.80E-09	5.61E-09	9.41E-09	3.31E-09	3.45E-09	6.76E-09
2369	566835.24	4216978.25	3.82E-08	4.12E-08	7.94E-08	3.31E-08	3.65E-08	6.96E-08	4.00E-09	5.91E-09	9.91E-09	3.49E-09	3.64E-09	7.13E-09
2370	566838.94	4216961.86	3.97E-08	4.28E-08	8.25E-08	3.44E-08	3.79E-08	7.23E-08	4.16E-09	6.14E-09	1.03E-08	3.62E-09	3.78E-09	7.41E-09
2371	566842.65	4216945.47	4.06E-08	4.39E-08	8.45E-08	3.53E-08	3.88E-08	7.41E-08	4.26E-09	6.29E-09	1.06E-08	3.71E-09	3.87E-09	7.58E-09
2372	566850.05	4216912.7	4.07E-08	4.39E-08	8.46E-08	3.53E-08	3.89E-08	7.42E-08	4.27E-09	6.30E-09	1.06E-08	3.72E-09	3.88E-09	7.60E-09
2373	566906.9	4217112.56	2.39E-08	2.58E-08	4.98E-08	2.08E-08	2.29E-08	4.36E-08	2.51E-09	3.70E-09	6.21E-09	2.19E-09	2.28E-09	4.47E-09
2374	566921.7	4217122.23	2.21E-08	2.38E-08	4.59E-08	1.91E-08	2.11E-08	4.02E-08	2.31E-09	3.42E-09	5.73E-09	2.02E-09	2.10E-09	4.12E-09
2375	566936.49	4217131.9	2.00E-08	2.16E-08	4.16E-08	1.74E-08	1.91E-08	3.65E-08	2.10E-09	3.10E-09	5.20E-09	1.83E-09	1.91E-09	3.74E-09
2376	566880.13	4217095.2	2.65E-08	2.86E-08	5.50E-08	2.30E-08	2.53E-08	4.82E-08	2.78E-09	4.10E-09	6.87E-09	2.42E-09	2.52E-09	4.94E-09
2377	566870.86	4217081.27	2.88E-08	3.11E-08	5.99E-08	2.50E-08	2.75E-08	5.25E-08	3.02E-09	4.46E-09	7.48E-09	2.63E-09	2.75E-09	5.38E-09
2378	566861.58	4217067.34	3.08E-08	3.32E-08	6.39E-08	2.67E-08	2.94E-08	5.61E-08	3.23E-09	4.76E-09	7.99E-09	2.81E-09	2.93E-09	5.74E-09
2379	566852.31	4217053.41	3.22E-08	3.48E-08	6.70E-08	2.79E-08	3.08E-08	5.87E-08	3.38E-09	4.98E-09	8.36E-09	2.94E-09	3.07E-09	6.01E-09
2380	566843.04	4217039.48	3.31E-08	3.57E-08	6.88E-08	2.87E-08	3.16E-08	6.03E-08	3.47E-09	5.12E-09	8.59E-09	3.02E-09	3.15E-09	6.18E-09
2381	566833.76	4217025.55	3.34E-08	3.61E-08	6.95E-08	2.90E-08	3.19E-08	6.09E-08	3.50E-09	5.17E-09	8.67E-09	3.05E-09	3.18E-09	6.24E-09
2382	566824.49	4217011.61	3.32E-08	3.59E-08	6.91E-08	2.88E-08	3.17E-08	6.05E-08	3.48E-09	5.14E-09	8.62E-09	3.03E-09	3.17E-09	6.20E-09
2383	566821.7	4216996.49	3.40E-08	3.67E-08	7.06E-08	2.95E-08	3.24E-08	6.19E-08	3.56E-09	5.26E-09	8.82E-09	3.10E-09	3.24E-09	6.34E-09
2384	566829.07	4216963.84	3.71E-08	4.01E-08	7.72E-08	3.22E-08	3.55E-08	6.77E-08	3.90E-09	5.75E-09	9.65E-09	3.39E-09	3.54E-09	6.93E-09
2385	566840.14	4216914.87	3.83E-08	4.14E-08	7.97E-08	3.33E-08	3.66E-08	6.99E-08	4.02E-09	5.93E-09	9.95E-09	3.50E-09	3.65E-09	7.15E-09
2386	566843.83	4216898.54	3.76E-08	4.06E-08	7.82E-08	3.26E-08	3.59E-08	6.86E-08	3.95E-09	5.82E-09	9.77E-09	3.44E-09	3.59E-09	7.02E-09
2387	566901.43	4217120.93	2.17E-08	2.35E-08	4.52E-08	1.89E-08	2.08E-08	3.96E-08	2.28E-09	3.36E-09	5.64E-09	1.99E-09	2.07E-09	4.06E-09
2388	566916.23	4217130.6	2.00E-08	2.16E-08	4.16E-08	1.73E-08	1.91E-08	3.64E-08	2.10E-09	3.09E-09	5.19E-09	1.83E-09	1.91E-09	3.73E-09
2389	566931.02	4217140.27	1.81E-08	1.96E-08	3.77E-08	1.57E-08	1.73E-08	3.30E-08	1.90E-09	2.80E-09	4.70E-09	1.65E-09	1.73E-09	3.38E-09
2390	566874.71	4217103.65	2.42E-08	2.61E-08	5.03E-08	2.10E-08	2.31E-08	4.41E-08	2.54E-09	3.74E-09	6.28E-09	2.21E-09	2.30E-09	4.51E-09
2391	566865.47	4217089.76	2.64E-08	2.85E-08	5.49E-08	2.29E-08	2.52E-08	4.81E-08	2.77E-09	4.09E-09	6.86E-09	2.41E-09	2.52E-09	4.93E-09
2392	566856.22	4217075.88	2.83E-08	3.06E-08	5.89E-08	2.46E-08	2.70E-08	5.16E-08	2.97E-09	4.38E-09	7.35E-09	2.59E-09	2.70E-09	5.28E-09
2393	566846.98	4217062	2.98E-08	3.22E-08	6.20E-08	2.59E-08	2.85E-08	5.43E-08	3.13E-09	4.61E-09	7.74E-09	2.72E-09	2.84E-09	5.56E-09
2394	566837.74	4217048.11	3.08E-08	3.33E-08	6.41E-08	2.67E-08	2.94E-08	5.62E-08	3.23E-09	4.77E-09	8.00E-09	2.81E-09	2.94E-09	5.75E-09
2395	566828.5	4217034.23	3.13E-08	3.38E-08	6.51E-08	2.72E-08	2.99E-08	5.71E-08	3.29E-09	4.85E-09	8.14E-09	2.86E-09	2.99E-09	5.85E-09
2396	566819.26	4217020.35	3.14E-08	3.39E-08	6.52E-08	2.72E-08	3.00E-08	5.72E-08	3.29E-09	4.85E-09	8.14E-09	2.87E-09	2.99E-09	5.85E-09
2397	566811.86	4216998.33	3.19E-08	3.44E-08	6.63E-08	2.77E-08	3.05E-08	5.82E-08	3.35E-09	4.94E-09	8.28E-09	2.91E-09	3.04E-09	5.95E-09
2398	566826.56	4216933.26	3.62E-08	3.91E-08	7.53E-08	3.14E-08	3.46E-08	6.60E-08	3.80E-09	5.61E-09	9.40E-09	3.31E-09	3.45E-09	6.76E-09
2399	566830.24	4216916.99	3.62E-08	3.91E-08	7.52E-08	3.14E-08	3.46E-08	6.59E-08	3.79E-09	5.60E-09	9.39E-09	3.30E-09	3.45E-09	6.75E-09
2400	566833.91	4216900.72	3.57E-08	3.85E-08	7.41E-08	3.09E-08	3.41E-08	6.50E-08	3.74E-09	5.52E-09	9.26E-09	3.26E-09	3.40E-09	6.65E-09
2401	566895.96	4217129.31	1.98E-08	2.14E-08	4.12E-08	1.72E-08	1.89E-08	3.61E-08	2.08E-09	3.06E-09	5.14E-09	1.81E-09	1.89E-09	3.69E-09
2402	566910.76	4217138.97	1.82E-08	1.96E-08	3.78E-08	1.58E-08	1.74E-08	3.31E-08	1.91E-09	2.81E-09	4.72E-09	1.66E-09	1.73E-09	3.39E-09
2403	566925.55	4217148.64	1.65E-08	1.78E-08	3.42E-08	1.43E-08	1.57E-08	3.00E-08	1.73E-09	2.55E-09	4.27E-09	1.50E-09	1.57E-09	3.07E-09
2404	566858.71	4217096.21	2.45E-08	2.65E-08	5.10E-08	2.13E-08	2.34E-08	4.47E-08	2.57E-09	3.80E-09	6.37E-09	2.24E-09	2.34E-09	4.58E-09
2405	566848.96	4217081.55	2.64E-08	2.85E-08	5.50E-08	2.29E-08	2.52E-08	4.82E-08	2.77E-09	4.09E-09	6.86E-09	2.41E-09	2.52E-09	4.93E-09
2406	566839.2	4217066.9	2.79E-08	3.02E-08	5.81E-08	2.42E-08	2.67E-08	5.09E-08	2.93E-09	4.32E-09	7.25E-09	2.55E-09	2.66E-09	5.21E-09
2407	566829.45	4217052.24	2.90E-08	3.13E-08	6.02E-08	2.51E-08	2.77E-08	5.28E-08	3.04E-09	4.48E-09	7.52E-09	2.65E-09	2.76E-09	5.41E-09
2408	566819.69	4217037.59	2.95E-08	3.18E-08	6.13E-08	2.56E-08	2.82E-08	5.38E-08	3.09E-09	4.56E-09	7.66E-09	2.69E-09	2.81E-09	5.50E-09
2409	566809.94	4217022.93	2.96E-08	3.19E-08	6.15E-08	2.56E-08	2.82E-08	5.39E-08	3.10E-09	4.57E-09	7.67E-09	2.70E-09	2.82E-09	5.52E-09
2410	566813.77	4216948.18	3.38E-08	3.65E-08	7.03E-08	2.93E-08	3.23E-08	6.16E-08	3.54E-09	5.23E-09	8.77E-09	3.09E-09	3.22E-09	6.31E-09

2411	566817.64	4216931.01	3.42E-08	3.69E-08	7.11E-08	2.97E-08	3.27E-08	6.23E-08	3.59E-09	5.29E-09	8.88E-09	3.12E-09	3.26E-09	6.38E-09
2412	566821.52	4216913.84	3.41E-08	3.68E-08	7.09E-08	2.96E-08	3.26E-08	6.22E-08	3.58E-09	5.28E-09	8.86E-09	3.12E-09	3.25E-09	6.37E-09
2413	566825.4	4216896.67	3.36E-08	3.62E-08	6.98E-08	2.91E-08	3.21E-08	6.12E-08	3.52E-09	5.20E-09	8.72E-09	3.07E-09	3.20E-09	6.27E-09
2414	566890.49	4217137.68	1.81E-08	1.95E-08	3.76E-08	1.57E-08	1.73E-08	3.30E-08	1.90E-09	2.80E-09	4.69E-09	1.65E-09	1.72E-09	3.37E-09
2415	566905.29	4217147.34	1.66E-08	1.79E-08	3.45E-08	1.44E-08	1.58E-08	3.02E-08	1.74E-09	2.57E-09	4.30E-09	1.51E-09	1.58E-09	3.09E-09
2416	566920.08	4217157.01	1.50E-08	1.62E-08	3.12E-08	1.30E-08	1.43E-08	2.74E-08	1.57E-09	2.32E-09	3.90E-09	1.37E-09	1.43E-09	2.80E-09
2417	566843.69	4217090.22	2.44E-08	2.63E-08	5.07E-08	2.12E-08	2.33E-08	4.45E-08	2.56E-09	3.78E-09	6.33E-09	2.23E-09	2.33E-09	4.55E-09
2418	566833.99	4217075.65	2.59E-08	2.80E-08	5.39E-08	2.25E-08	2.47E-08	4.72E-08	2.72E-09	4.01E-09	6.73E-09	2.37E-09	2.47E-09	4.83E-09
2419	566824.29	4217061.09	2.70E-08	2.91E-08	5.62E-08	2.34E-08	2.58E-08	4.92E-08	2.83E-09	4.18E-09	7.01E-09	2.47E-09	2.57E-09	5.04E-09
2420	566814.6	4217046.52	2.77E-08	2.99E-08	5.76E-08	2.40E-08	2.64E-08	5.04E-08	2.90E-09	4.28E-09	7.19E-09	2.53E-09	2.64E-09	5.17E-09
2421	566804.9	4217031.95	2.79E-08	3.01E-08	5.81E-08	2.42E-08	2.67E-08	5.09E-08	2.93E-09	4.32E-09	7.25E-09	2.55E-09	2.66E-09	5.21E-09
2422	566795.2	4217017.38	2.78E-08	3.00E-08	5.78E-08	2.41E-08	2.65E-08	5.06E-08	2.91E-09	4.30E-09	7.21E-09	2.54E-09	2.65E-09	5.19E-09
2423	566803.85	4216950.35	3.19E-08	3.44E-08	6.62E-08	2.76E-08	3.04E-08	5.81E-08	3.34E-09	4.93E-09	8.27E-09	2.91E-09	3.04E-09	5.95E-09
2424	566807.71	4216933.27	3.23E-08	3.49E-08	6.72E-08	2.80E-08	3.09E-08	5.89E-08	3.39E-09	5.00E-09	8.39E-09	2.95E-09	3.08E-09	6.03E-09
2425	566809.64	4216924.74	3.24E-08	3.49E-08	6.73E-08	2.81E-08	3.09E-08	5.90E-08	3.39E-09	5.01E-09	8.40E-09	2.96E-09	3.08E-09	6.04E-09
2426	566813.49	4216907.67	3.22E-08	3.47E-08	6.69E-08	2.79E-08	3.07E-08	5.86E-08	3.37E-09	4.98E-09	8.35E-09	2.94E-09	3.07E-09	6.01E-09
2427	566817.35	4216890.6	3.16E-08	3.41E-08	6.56E-08	2.74E-08	3.02E-08	5.75E-08	3.31E-09	4.89E-09	8.20E-09	2.88E-09	3.01E-09	5.89E-09
2428	566885.02	4217146.05	1.66E-08	1.79E-08	3.44E-08	1.44E-08	1.58E-08	3.02E-08	1.74E-09	2.56E-09	4.30E-09	1.51E-09	1.58E-09	3.09E-09
2429	566899.82	4217155.71	1.52E-08	1.64E-08	3.15E-08	1.31E-08	1.45E-08	2.76E-08	1.59E-09	2.35E-09	3.94E-09	1.38E-09	1.44E-09	2.83E-09
2430	566914.61	4217165.38	1.37E-08	1.48E-08	2.85E-08	1.19E-08	1.31E-08	2.50E-08	1.44E-09	2.12E-09	3.56E-09	1.25E-09	1.31E-09	2.56E-09
2431	566857.69	4217127.85	1.88E-08	2.03E-08	3.91E-08	1.63E-08	1.80E-08	3.43E-08	1.97E-09	2.91E-09	4.89E-09	1.72E-09	1.79E-09	3.51E-09
2432	566848.04	4217113.35	2.08E-08	2.24E-08	4.32E-08	1.80E-08	1.98E-08	3.79E-08	2.18E-09	3.22E-09	5.40E-09	1.90E-09	1.98E-09	3.88E-09
2433	566819.1	4217069.88	2.52E-08	2.72E-08	5.24E-08	2.18E-08	2.41E-08	4.59E-08	2.64E-09	3.90E-09	6.54E-09	2.30E-09	2.40E-09	4.70E-09
2434	566809.46	4217055.39	2.60E-08	2.80E-08	5.40E-08	2.25E-08	2.48E-08	4.73E-08	2.72E-09	4.02E-09	6.74E-09	2.37E-09	2.47E-09	4.85E-09
2435	566799.81	4217040.89	2.63E-08	2.84E-08	5.48E-08	2.29E-08	2.52E-08	4.80E-08	2.76E-09	4.08E-09	6.84E-09	2.41E-09	2.51E-09	4.92E-09
2436	566790.16	4217026.4	2.64E-08	2.85E-08	5.49E-08	2.29E-08	2.52E-08	4.81E-08	2.77E-09	4.08E-09	6.85E-09	2.41E-09	2.51E-09	4.92E-09
2437	566786.27	4216986.44	2.82E-08	3.04E-08	5.86E-08	2.44E-08	2.69E-08	5.14E-08	2.96E-09	4.36E-09	7.32E-09	2.57E-09	2.69E-09	5.26E-09
2438	566790.11	4216969.46	2.93E-08	3.16E-08	6.09E-08	2.54E-08	2.80E-08	5.34E-08	3.07E-09	4.53E-09	7.60E-09	2.67E-09	2.79E-09	5.47E-09
2439	566797.78	4216935.49	3.06E-08	3.30E-08	6.35E-08	2.65E-08	2.92E-08	5.57E-08	3.20E-09	4.73E-09	7.93E-09	2.79E-09	2.91E-09	5.70E-09
2440	566801.62	4216918.51	3.07E-08	3.31E-08	6.37E-08	2.66E-08	2.93E-08	5.59E-08	3.22E-09	4.74E-09	7.96E-09	2.80E-09	2.92E-09	5.72E-09
2441	566805.46	4216901.53	3.04E-08	3.28E-08	6.32E-08	2.64E-08	2.90E-08	5.54E-08	3.19E-09	4.70E-09	7.89E-09	2.77E-09	2.90E-09	5.67E-09
2442	566809.29	4216884.55	2.97E-08	3.21E-08	6.18E-08	2.58E-08	2.84E-08	5.42E-08	3.12E-09	4.60E-09	7.72E-09	2.72E-09	2.83E-09	5.55E-09
2443	566894.35	4217164.09	1.39E-08	1.50E-08	2.89E-08	1.21E-08	1.33E-08	2.53E-08	1.46E-09	2.15E-09	3.61E-09	1.27E-09	1.32E-09	2.59E-09
2444	566909.14	4217173.75	1.26E-08	1.36E-08	2.62E-08	1.09E-08	1.20E-08	2.29E-08	1.32E-09	1.95E-09	3.27E-09	1.15E-09	1.20E-09	2.35E-09
2445	566852.29	4217136.32	1.73E-08	1.87E-08	3.60E-08	1.50E-08	1.66E-08	3.16E-08	1.82E-09	2.68E-09	4.50E-09	1.58E-09	1.65E-09	3.23E-09
2446	566842.69	4217121.9	1.92E-08	2.07E-08	3.98E-08	1.66E-08	1.83E-08	3.49E-08	2.01E-09	2.97E-09	4.97E-09	1.75E-09	1.83E-09	3.58E-09
2447	566833.09	4217107.48	2.08E-08	2.25E-08	4.34E-08	1.81E-08	1.99E-08	3.80E-08	2.19E-09	3.23E-09	5.41E-09	1.90E-09	1.99E-09	3.89E-09
2448	566794.69	4217049.78	2.48E-08	2.68E-08	5.17E-08	2.16E-08	2.37E-08	4.53E-08	2.61E-09	3.85E-09	6.45E-09	2.27E-09	2.37E-09	4.64E-09
2449	566785.08	4217035.36	2.50E-08	2.70E-08	5.20E-08	2.17E-08	2.39E-08	4.56E-08	2.62E-09	3.87E-09	6.50E-09	2.29E-09	2.38E-09	4.67E-09
2450	566772.59	4217005.27	2.54E-08	2.74E-08	5.28E-08	2.20E-08	2.43E-08	4.63E-08	2.67E-09	3.93E-09	6.60E-09	2.32E-09	2.42E-09	4.74E-09
2451	566776.41	4216988.37	2.67E-08	2.88E-08	5.54E-08	2.31E-08	2.55E-08	4.86E-08	2.80E-09	4.13E-09	6.92E-09	2.43E-09	2.54E-09	4.98E-09
2452	566780.23	4216971.47	2.77E-08	2.99E-08	5.76E-08	2.40E-08	2.64E-08	5.05E-08	2.90E-09	4.29E-09	7.19E-09	2.53E-09	2.64E-09	5.17E-09
2453	566787.87	4216937.67	2.89E-08	3.12E-08	6.02E-08	2.51E-08	2.76E-08	5.28E-08	3.04E-09	4.48E-09	7.52E-09	2.64E-09	2.76E-09	5.40E-09
2454	566791.69	4216920.77	2.91E-08	3.14E-08	6.05E-08	2.52E-08	2.78E-08	5.30E-08	3.05E-09	4.50E-09	7.56E-09	2.66E-09	2.77E-09	5.43E-09
2455	566795.5	4216903.87	2.89E-08	3.12E-08	6.01E-08	2.51E-08	2.76E-08	5.27E-08	3.03E-09	4.48E-09	7.51E-09	2.64E-09	2.76E-09	5.40E-09
2456	566799.32	4216886.97	2.84E-08	3.07E-08	5.91E-08	2.47E-08	2.71E-08	5.18E-08	2.98E-09	4.40E-09	7.38E-09	2.60E-09	2.71E-09	5.30E-09
2457	566803.14	4216870.07	2.76E-08	2.98E-08	5.74E-08	2.40E-08	2.64E-08	5.03E-08	2.90E-09	4.27E-09	7.17E-09	2.52E-09	2.63E-09	5.15E-09
2458	566874.08	4217162.79	1.40E-08	1.51E-08	2.91E-08	1.21E-08	1.34E-08	2.55E-08	1.47E-09	2.16E-09	3.63E-09	1.28E-09	1.33E-09	2.61E-09
2459	566888.88	4217172.46	1.28E-08	1.38E-08	2.66E-08	1.11E-08	1.22E-08	2.33E-08	1.34E-09	1.98E-09	3.32E-09	1.17E-09	1.22E-09	2.39E-09
2460	566903.67	4217182.12	1.16E-08	1.25E-08	2.41E-08	1.01E-08	1.11E-08	2.11E-08	1.22E-09	1.79E-09	3.01E-09	1.06E-09	1.10E-09	2.16E-09
2461	566846.88	4217144.79	1.60E-08	1.72E-08	3.32E-08	1.39E-08	1.53E-08	2.91E-08	1.68E-09	2.47E-09	4.15E-09	1.46E-09	1.52E-09	2.98E-09
2462	566837.32	4217130.43	1.77E-08	1.91E-08	3.68E-08	1.53E-08	1.69E-08	3.22E-08	1.86E-09	2.74E-09	4.59E-09	1.62E-09	1.69E-09	3.30E-09
2463	566827.76	4217116.07	1.93E-08	2.08E-08	4.02E-08	1.68E-08	1.84E-08	3.52E-08	2.03E-09	2.99E-09	5.01E-09	1.76E-09	1.84E-09	3.60E-09
2464	566818.2	4217101.7	2.07E-08	2.24E-08	4.31E-08	1.80E-08	1.98E-08	3.78E-08	2.17E-09	3.21E-09	5.38E-09	1.89E-09	1.98E-09	3.87E-09
2465	566808.64	4217087.34	2.19E-08	2.37E-08	4.56E-08	1.90E-08	2.09E-08	3.99E-08	2.30E-09	3.39E-09	5.69E-09	2.00E-09	2.09E-09	4.09E-09
2466	566762.75	4217007.13	2.41E-08	2.60E-08	5.01E-08	2.09E-08	2.30E-08	4.39E-08	2.53E-09	3.73E-09	6.26E-09	2.20E-09	2.30E-09	4.50E-09
2467	566766.55	4216990.3	2.53E-08	2.73E-08	5.25E-08	2.19E-08	2.41E-08	4.60E-08	2.65E-09	3.91E-09	6.56E-09	2.31E-09	2.41E-09	4.71E-09
2468	566770.36	4216973.47	2.62E-08	2.83E-08	5.45E-08	2.28E-08	2.50E-08	4.78E-08	2.75E-09	4.06E-09	6.81E-09	2.40E-09	2.50E-09	4.90E-09
2469	566774.16	4216956.64	2.70E-08	2.91E-08	5.61E-08	2.34E-08	2.58E-08	4.92E-08	2.83E-09	4.17E-09	7.00E-09	2.46E-09	2.57E-09	5.03E-09
2470	566781.76	4216922.99	2.77E-08	2.99E-08	5.75E-08	2.40E-08	2.64E-08	5.04E-08	2.90E-09	4.28E-09	7.18E-09	2.53E-09	2.64E-09	5.16E-09
2471	566785.56	4216906.16	2.76E-08	2.98E-08	5.73E-08	2.39E-08	2.63E-08	5.02E-08	2.89E-09	4.27E-09	7.16E-09	2.52E-09	2.63E-09	5.15E-09
2472	566789.36	4216889.34	2.72E-08	2.93E-08	5.65E-08	2.36E-08	2.60E-08	4.95E-08	2.85E-09	4.21E-09	7.06E-09	2.48E-09	2.59E-09	5.07E-09
2473	566793.17	4216872.51	2.65E-08	2.86E-08	5.51E-08	2.30E-08	2.53E-08	4.83E-08	2.78E-09	4.10E-09	6.88E-09	2.42E-09	2.53E-09	4.95E-09
2474	566868.61	4217171.16	1.29E-08	1.39E-08	2.68E-08	1.12E-08	1.23E-08	2.35E-08	1.35E-09	2.00E-09	3.35E-09	1.18E-09	1.23E-09	2.41E-09
2475	566898.2	4217190.49	1.07E-08	1.16E-08	2.23E-08	9.29E-09	1.02E-08	1.95E-08	1.12E-09	1.66E-09	2.78E-09	9.78E-10	1.02E-09	2.00E-09
2476	566831.94	4217138.94	1.64E-08	1.77E-08	3.40E-08	1.42E-08	1.56E-08	2.98E-08	1.72E-09	2.53E-09	4.25E-09	1.49E-09	1.56E-09	3.05E-09
2477	566822.42	4217124.64	1.79E-08	1.93E-08	3.72E-08	1.55E-08	1.71E-08	3.26E-08	1.88E-09	2.77E-09	4.65E-09	1.63E-09	1.71E-09	3.34E-09
2478	566812.9	4217110.33	1.93E-08	2.08E-08	4.01E-08	1.67E-08	1.84E-08	3.52E-08	2.02E-09	2.98E-09	5.01E-09	1.76E-09	1.84E-09	3.60E-09
2479	566803.38	4217096.03	2.05E-08	2.21E-08	4.25E-08	1.77E-08	1.95E-08	3.73E-08	2.15E-09	3.17E-09	5.31E-09	1.87E-09	1.95E-09	3.82E-09
2480	566793.86	4217081.72	2.14E-08	2.31E-08	4.45E-08	1.86E-08	2.04E-08	3.90E-08	2.24E-09	3.31E-09	5.55E-09	1.95E-09	2.04E-09	3.99E-09
2481	566784.34	4217067.42	2.21E-08	2.38E-08	4.59E-08	1.91E-08	2.11E-08	4.02E-08	2.31E-09	3.41E-09	5.73E-09	2.01E-09	2.10E-09	4.12E-09

2482	566752.91	4217008.97	2.29E-08	2.47E-08	4.76E-08	1.99E-08	2.19E-08	4.18E-08	2.40E-09	3.55E-09	5.95E-09	2.09E-09	2.18E-09	4.28E-09
2483	566756.7	4216992.21	2.40E-08	2.59E-08	4.99E-08	2.08E-08	2.29E-08	4.37E-08	2.51E-09	3.71E-09	6.23E-09	2.19E-09	2.29E-09	4.47E-09
2484	566760.48	4216975.45	2.49E-08	2.69E-08	5.17E-08	2.16E-08	2.38E-08	4.54E-08	2.61E-09	3.85E-09	6.46E-09	2.27E-09	2.37E-09	4.64E-09
2485	566764.27	4216958.69	2.56E-08	2.76E-08	5.32E-08	2.22E-08	2.44E-08	4.67E-08	2.68E-09	3.96E-09	6.65E-09	2.34E-09	2.44E-09	4.78E-09
2486	566771.84	4216925.17	2.63E-08	2.84E-08	5.47E-08	2.28E-08	2.51E-08	4.80E-08	2.76E-09	4.07E-09	6.83E-09	2.40E-09	2.51E-09	4.91E-09
2487	566775.63	4216908.41	2.63E-08	2.84E-08	5.47E-08	2.28E-08	2.51E-08	4.79E-08	2.76E-09	4.07E-09	6.83E-09	2.40E-09	2.51E-09	4.91E-09
2488	566779.42	4216891.65	2.60E-08	2.81E-08	5.41E-08	2.26E-08	2.48E-08	4.74E-08	2.73E-09	4.02E-09	6.75E-09	2.37E-09	2.48E-09	4.85E-09
2489	566783.2	4216874.89	2.54E-08	2.75E-08	5.29E-08	2.21E-08	2.43E-08	4.64E-08	2.67E-09	3.94E-09	6.61E-09	2.32E-09	2.42E-09	4.75E-09
2490	566786.99	4216858.13	2.47E-08	2.66E-08	5.13E-08	2.14E-08	2.35E-08	4.49E-08	2.59E-09	3.82E-09	6.40E-09	2.25E-09	2.35E-09	4.60E-09
2491	566863.14	4217179.53	1.19E-08	1.29E-08	2.48E-08	1.04E-08	1.14E-08	2.18E-08	1.25E-09	1.85E-09	3.10E-09	1.09E-09	1.14E-09	2.23E-09
2492	566892.73	4217198.87	9.92E-09	1.07E-08	2.06E-08	8.61E-09	9.48E-09	1.81E-08	1.04E-09	1.54E-09	2.58E-09	9.06E-10	9.46E-10	1.85E-09
2493	566826.56	4217147.44	1.52E-08	1.64E-08	3.15E-08	1.32E-08	1.45E-08	2.76E-08	1.59E-09	2.35E-09	3.94E-09	1.39E-09	1.45E-09	2.83E-09
2494	566817.07	4217133.19	1.66E-08	1.79E-08	3.45E-08	1.44E-08	1.59E-08	3.03E-08	1.74E-09	2.57E-09	4.31E-09	1.52E-09	1.58E-09	3.10E-09
2495	566807.59	4217118.94	1.80E-08	1.94E-08	3.73E-08	1.56E-08	1.71E-08	3.27E-08	1.88E-09	2.78E-09	4.66E-09	1.64E-09	1.71E-09	3.35E-09
2496	566798.1	4217104.68	1.91E-08	2.06E-08	3.97E-08	1.66E-08	1.83E-08	3.48E-08	2.00E-09	2.96E-09	4.96E-09	1.75E-09	1.82E-09	3.57E-09
2497	566788.61	4217090.43	2.01E-08	2.16E-08	4.17E-08	1.74E-08	1.92E-08	3.66E-08	2.10E-09	3.10E-09	5.21E-09	1.83E-09	1.91E-09	3.74E-09
2498	566779.13	4217076.18	2.08E-08	2.24E-08	4.32E-08	1.80E-08	1.98E-08	3.79E-08	2.18E-09	3.21E-09	5.39E-09	1.90E-09	1.98E-09	3.88E-09
2499	566769.64	4217061.93	2.12E-08	2.29E-08	4.41E-08	1.84E-08	2.03E-08	3.87E-08	2.23E-09	3.29E-09	5.51E-09	1.94E-09	2.02E-09	3.96E-09
2500	566743.07	4217010.82	2.18E-08	2.35E-08	4.53E-08	1.89E-08	2.08E-08	3.97E-08	2.29E-09	3.37E-09	5.66E-09	1.99E-09	2.08E-09	4.07E-09
2501	566746.84	4216994.12	2.28E-08	2.46E-08	4.74E-08	1.98E-08	2.18E-08	4.15E-08	2.39E-09	3.53E-09	5.92E-09	2.08E-09	2.17E-09	4.25E-09
2502	566750.62	4216977.42	2.36E-08	2.55E-08	4.92E-08	2.05E-08	2.26E-08	4.31E-08	2.48E-09	3.66E-09	6.14E-09	2.16E-09	2.25E-09	4.41E-09
2503	566754.39	4216960.72	2.43E-08	2.63E-08	5.06E-08	2.11E-08	2.32E-08	4.43E-08	2.55E-09	3.76E-09	6.32E-09	2.22E-09	2.32E-09	4.54E-09
2504	566758.16	4216944.02	2.48E-08	2.68E-08	5.16E-08	2.15E-08	2.37E-08	4.52E-08	2.60E-09	3.84E-09	6.44E-09	2.27E-09	2.36E-09	4.63E-09
2505	566765.71	4216910.62	2.51E-08	2.71E-08	5.22E-08	2.18E-08	2.40E-08	4.57E-08	2.63E-09	3.88E-09	6.52E-09	2.29E-09	2.39E-09	4.68E-09
2506	566769.48	4216893.92	2.49E-08	2.69E-08	5.17E-08	2.16E-08	2.38E-08	4.53E-08	2.61E-09	3.85E-09	6.46E-09	2.27E-09	2.37E-09	4.64E-09
2507	566773.25	4216877.22	2.44E-08	2.64E-08	5.08E-08	2.12E-08	2.33E-08	4.45E-08	2.56E-09	3.78E-09	6.34E-09	2.23E-09	2.33E-09	4.56E-09
2508	566777.03	4216860.52	2.38E-08	2.56E-08	4.94E-08	2.06E-08	2.27E-08	4.33E-08	2.49E-09	3.68E-09	6.17E-09	2.17E-09	2.26E-09	4.43E-09
2509	566857.67	4217187.9	1.11E-08	1.20E-08	2.30E-08	9.61E-09	1.06E-08	2.02E-08	1.16E-09	1.71E-09	2.88E-09	1.01E-09	1.06E-09	2.07E-09
2510	566872.47	4217197.57	1.01E-08	1.09E-08	2.11E-08	8.79E-09	9.68E-09	1.85E-08	1.06E-09	1.57E-09	2.63E-09	9.26E-10	9.66E-10	1.89E-09
2511	566887.26	4217207.24	9.22E-09	9.95E-09	1.92E-08	8.00E-09	8.81E-09	1.68E-08	9.67E-10	1.43E-09	2.39E-09	8.42E-10	8.79E-10	1.72E-09
2512	566821.17	4217155.93	1.41E-08	1.52E-08	2.93E-08	1.22E-08	1.35E-08	2.57E-08	1.48E-09	2.18E-09	3.66E-09	1.29E-09	1.34E-09	2.63E-09
2513	566811.71	4217141.73	1.54E-08	1.67E-08	3.21E-08	1.34E-08	1.47E-08	2.81E-08	1.62E-09	2.39E-09	4.01E-09	1.41E-09	1.47E-09	2.88E-09
2514	566802.26	4217127.52	1.67E-08	1.80E-08	3.48E-08	1.45E-08	1.60E-08	3.05E-08	1.75E-09	2.59E-09	4.34E-09	1.53E-09	1.59E-09	3.12E-09
2515	566792.8	4217113.32	1.79E-08	1.93E-08	3.71E-08	1.55E-08	1.71E-08	3.26E-08	1.87E-09	2.76E-09	4.64E-09	1.63E-09	1.70E-09	3.33E-09
2516	566783.35	4217099.11	1.88E-08	2.03E-08	3.91E-08	1.63E-08	1.80E-08	3.43E-08	1.97E-09	2.91E-09	4.88E-09	1.72E-09	1.79E-09	3.51E-09
2517	566773.9	4217084.91	1.96E-08	2.11E-08	4.07E-08	1.70E-08	1.87E-08	3.56E-08	2.05E-09	3.03E-09	5.08E-09	1.79E-09	1.86E-09	3.65E-09
2518	566764.44	4217070.7	2.01E-08	2.17E-08	4.17E-08	1.74E-08	1.92E-08	3.66E-08	2.11E-09	3.11E-09	5.21E-09	1.83E-09	1.91E-09	3.75E-09
2519	566745.53	4217042.29	2.05E-08	2.21E-08	4.26E-08	1.78E-08	1.96E-08	3.73E-08	2.15E-09	3.17E-09	5.32E-09	1.87E-09	1.95E-09	3.82E-09
2520	566736.99	4216996.02	2.17E-08	2.34E-08	4.51E-08	1.88E-08	2.07E-08	3.95E-08	2.28E-09	3.36E-09	5.63E-09	1.98E-09	2.07E-09	4.05E-09
2521	566740.75	4216979.37	2.25E-08	2.43E-08	4.68E-08	1.95E-08	2.15E-08	4.10E-08	2.36E-09	3.48E-09	5.84E-09	2.05E-09	2.14E-09	4.20E-09
2522	566744.51	4216962.73	2.31E-08	2.50E-08	4.81E-08	2.01E-08	2.21E-08	4.22E-08	2.43E-09	3.58E-09	6.01E-09	2.11E-09	2.21E-09	4.32E-09
2523	566748.27	4216946.09	2.36E-08	2.55E-08	4.91E-08	2.05E-08	2.26E-08	4.31E-08	2.48E-09	3.66E-09	6.13E-09	2.16E-09	2.25E-09	4.41E-09
2524	566755.79	4216912.8	2.40E-08	2.59E-08	4.98E-08	2.08E-08	2.29E-08	4.37E-08	2.51E-09	3.71E-09	6.22E-09	2.19E-09	2.28E-09	4.47E-09
2525	566759.55	4216896.15	2.38E-08	2.57E-08	4.95E-08	2.07E-08	2.28E-08	4.34E-08	2.50E-09	3.69E-09	6.19E-09	2.18E-09	2.27E-09	4.45E-09
2526	566763.31	4216879.51	2.35E-08	2.53E-08	4.88E-08	2.04E-08	2.24E-08	4.28E-08	2.46E-09	3.63E-09	6.09E-09	2.14E-09	2.24E-09	4.38E-09
2527	566767.07	4216862.87	2.29E-08	2.47E-08	4.76E-08	1.99E-08	2.19E-08	4.17E-08	2.40E-09	3.54E-09	5.94E-09	2.09E-09	2.18E-09	4.27E-09
2528	566770.83	4216846.22	2.21E-08	2.39E-08	4.60E-08	1.92E-08	2.11E-08	4.04E-08	2.32E-09	3.43E-09	5.75E-09	2.02E-09	2.11E-09	4.13E-09
2529	566852.2	4217196.28	1.03E-08	1.11E-08	2.14E-08	8.93E-09	9.83E-09	1.88E-08	1.08E-09	1.59E-09	2.67E-09	9.40E-10	9.81E-10	1.92E-09
2530	566867	4217205.94	9.43E-09	1.02E-08	1.96E-08	8.18E-09	9.01E-09	1.72E-08	9.89E-10	1.46E-09	2.45E-09	8.61E-10	8.99E-10	1.76E-09
2531	566815.77	4217164.41	1.31E-08	1.42E-08	2.73E-08	1.14E-08	1.25E-08	2.39E-08	1.38E-09	2.03E-09	3.41E-09	1.20E-09	1.25E-09	2.45E-09
2532	566806.35	4217150.25	1.44E-08	1.55E-08	2.99E-08	1.25E-08	1.37E-08	2.62E-08	1.51E-09	2.22E-09	3.73E-09	1.31E-09	1.37E-09	2.68E-09
2533	566796.92	4217136.09	1.56E-08	1.68E-08	3.24E-08	1.35E-08	1.49E-08	2.84E-08	1.63E-09	2.41E-09	4.05E-09	1.42E-09	1.49E-09	2.91E-09
2534	566787.49	4217121.93	1.67E-08	1.80E-08	3.47E-08	1.45E-08	1.59E-08	3.04E-08	1.75E-09	2.58E-09	4.34E-09	1.53E-09	1.59E-09	3.12E-09
2535	566778.07	4217107.77	1.76E-08	1.91E-08	3.67E-08	1.53E-08	1.69E-08	3.22E-08	1.85E-09	2.73E-09	4.58E-09	1.61E-09	1.68E-09	3.29E-09
2536	566768.64	4217093.61	1.84E-08	1.99E-08	3.83E-08	1.60E-08	1.76E-08	3.36E-08	1.93E-09	2.85E-09	4.78E-09	1.68E-09	1.76E-09	3.44E-09
2537	566759.22	4217079.44	1.90E-08	2.05E-08	3.95E-08	1.65E-08	1.81E-08	3.46E-08	1.99E-09	2.94E-09	4.93E-09	1.73E-09	1.81E-09	3.54E-09
2538	566740.37	4217051.12	1.95E-08	2.11E-08	4.06E-08	1.69E-08	1.86E-08	3.56E-08	2.05E-09	3.02E-09	5.07E-09	1.78E-09	1.86E-09	3.64E-09
2539	566730.94	4217036.96	1.95E-08	2.11E-08	4.06E-08	1.69E-08	1.86E-08	3.56E-08	2.05E-09	3.02E-09	5.07E-09	1.78E-09	1.86E-09	3.64E-09
2540	566727.14	4216997.91	2.07E-08	2.23E-08	4.30E-08	1.79E-08	1.98E-08	3.77E-08	2.17E-09	3.20E-09	5.37E-09	1.89E-09	1.97E-09	3.86E-09
2541	566730.89	4216981.32	2.14E-08	2.31E-08	4.46E-08	1.86E-08	2.05E-08	3.91E-08	2.25E-09	3.32E-09	5.57E-09	1.96E-09	2.04E-09	4.00E-09
2542	566734.64	4216964.72	2.21E-08	2.38E-08	4.59E-08	1.91E-08	2.11E-08	4.02E-08	2.31E-09	3.41E-09	5.73E-09	2.01E-09	2.10E-09	4.12E-09
2543	566738.39	4216948.13	2.25E-08	2.43E-08	4.68E-08	1.95E-08	2.15E-08	4.11E-08	2.36E-09	3.49E-09	5.85E-09	2.06E-09	2.15E-09	4.20E-09
2544	566742.13	4216931.54	2.28E-08	2.46E-08	4.74E-08	1.98E-08	2.18E-08	4.16E-08	2.39E-09	3.53E-09	5.92E-09	2.08E-09	2.17E-09	4.26E-09
2545	566749.63	4216898.35	2.28E-08	2.46E-08	4.75E-08	1.98E-08	2.18E-08	4.16E-08	2.39E-09	3.53E-09	5.93E-09	2.08E-09	2.18E-09	4.26E-09
2546	566753.38	4216881.76	2.25E-08	2.43E-08	4.69E-08	1.96E-08	2.15E-08	4.11E-08	2.36E-09	3.49E-09	5.85E-09	2.06E-09	2.15E-09	4.21E-09
2547	566757.13	4216865.17	2.21E-08	2.38E-08	4.59E-08	1.91E-08	2.11E-08	4.02E-08	2.31E-09	3.41E-09	5.73E-09	2.01E-09	2.10E-09	4.12E-09
2548	566760.88	4216848.57	2.14E-08	2.31E-08	4.45E-08	1.86E-08	2.04E-08	3.90E-08	2.25E-09	3.31E-09	5.56E-09	1.96E-09	2.04E-09	4.00E-09
2549	566846.73	4217204.65	9.60E-09	1.04E-08	2.00E-08	8.32E-09	9.16E-09	1.75E-08	1.01E-09	1.49E-09	2.49E-09	8.76E-10	9.15E-10	1.79E-09
2550	566861.53	4217214.31	8.79E-09	9.49E-09	1.83E-08	7.63E-09	8.40E-09	1.60E-08	9.22E-10	1.36E-09	2.28E-09	8.03E-10	8.38E-10	1.64E-09
2551	566809.43	4217171.47	1.23E-08	1.33E-08	2.57E-08	1.07E-08	1.18E-08	2.25E-08	1.29E-09	1.91E-09	3.20E-09	1.13E-09	1.18E-09	2.30E-09
2552	566799.65	4217156.78	1.36E-08	1.46E-08	2.82E-08	1.18E-08	1.30E-08	2.47E-08	1.42E-09	2.10E-09	3.52E-09	1.24E-09	1.29E-09	2.53E-09

2553	566789.88	4217142.1	1.47E-08	1.59E-08	3.07E-08	1.28E-08	1.41E-08	2.69E-08	1.55E-09	2.28E-09	3.83E-09	1.35E-09	1.41E-09	2.75E-09
2554	566780.1	4217127.41	1.58E-08	1.71E-08	3.29E-08	1.37E-08	1.51E-08	2.89E-08	1.66E-09	2.45E-09	4.11E-09	1.45E-09	1.51E-09	2.96E-09
2555	566765.44	4217105.39	1.72E-08	1.86E-08	3.57E-08	1.49E-08	1.64E-08	3.13E-08	1.80E-09	2.66E-09	4.46E-09	1.57E-09	1.64E-09	3.21E-09
2556	566755.67	4217090.7	1.79E-08	1.93E-08	3.71E-08	1.55E-08	1.71E-08	3.25E-08	1.87E-09	2.76E-09	4.64E-09	1.63E-09	1.70E-09	3.33E-09
2557	566736.12	4217061.33	1.86E-08	2.01E-08	3.87E-08	1.61E-08	1.78E-08	3.39E-08	1.95E-09	2.88E-09	4.83E-09	1.70E-09	1.77E-09	3.47E-09
2558	566726.34	4217046.64	1.87E-08	2.02E-08	3.88E-08	1.62E-08	1.78E-08	3.40E-08	1.96E-09	2.89E-09	4.85E-09	1.71E-09	1.78E-09	3.49E-09
2559	566716.57	4217031.96	1.86E-08	2.01E-08	3.87E-08	1.61E-08	1.78E-08	3.39E-08	1.95E-09	2.88E-09	4.83E-09	1.70E-09	1.77E-09	3.47E-09
2560	566713.63	4217016.01	1.90E-08	2.05E-08	3.94E-08	1.64E-08	1.81E-08	3.45E-08	1.99E-09	2.93E-09	4.92E-09	1.73E-09	1.81E-09	3.54E-09
2561	566719.46	4216990.2	2.02E-08	2.18E-08	4.19E-08	1.75E-08	1.93E-08	3.68E-08	2.12E-09	3.12E-09	5.24E-09	1.84E-09	1.92E-09	3.76E-09
2562	566723.34	4216972.99	2.08E-08	2.25E-08	4.33E-08	1.81E-08	1.99E-08	3.80E-08	2.19E-09	3.22E-09	5.41E-09	1.90E-09	1.99E-09	3.89E-09
2563	566727.23	4216955.79	2.14E-08	2.31E-08	4.44E-08	1.85E-08	2.04E-08	3.89E-08	2.24E-09	3.31E-09	5.55E-09	1.95E-09	2.04E-09	3.99E-09
2564	566729.18	4216947.18	2.16E-08	2.33E-08	4.48E-08	1.87E-08	2.06E-08	3.93E-08	2.26E-09	3.34E-09	5.60E-09	1.97E-09	2.06E-09	4.03E-09
2565	566733.06	4216929.97	2.18E-08	2.36E-08	4.54E-08	1.89E-08	2.09E-08	3.98E-08	2.29E-09	3.38E-09	5.67E-09	1.99E-09	2.08E-09	4.08E-09
2566	566738.9	4216904.16	2.19E-08	2.36E-08	4.56E-08	1.90E-08	2.09E-08	3.99E-08	2.30E-09	3.39E-09	5.69E-09	2.00E-09	2.09E-09	4.09E-09
2567	566742.78	4216886.96	2.17E-08	2.34E-08	4.51E-08	1.88E-08	2.07E-08	3.96E-08	2.28E-09	3.36E-09	5.64E-09	1.98E-09	2.07E-09	4.05E-09
2568	566746.67	4216869.75	2.13E-08	2.30E-08	4.43E-08	1.85E-08	2.04E-08	3.89E-08	2.24E-09	3.30E-09	5.54E-09	1.95E-09	2.03E-09	3.98E-09
2569	566750.56	4216852.54	2.08E-08	2.24E-08	4.32E-08	1.80E-08	1.98E-08	3.78E-08	2.18E-09	3.21E-09	5.39E-09	1.90E-09	1.98E-09	3.88E-09
2570	566754.45	4216835.33	2.00E-08	2.16E-08	4.17E-08	1.74E-08	1.91E-08	3.65E-08	2.10E-09	3.10E-09	5.20E-09	1.83E-09	1.91E-09	3.74E-09
2571	566841.26	4217213.02	8.95E-09	9.66E-09	1.86E-08	7.77E-09	8.55E-09	1.63E-08	9.39E-10	1.39E-09	2.32E-09	8.18E-10	8.53E-10	1.67E-09
2572	566856.06	4217222.68	8.21E-09	8.86E-09	1.71E-08	7.12E-09	7.84E-09	1.50E-08	8.61E-10	1.27E-09	2.13E-09	7.50E-10	7.82E-10	1.53E-09
2573	566870.85	4217232.35	7.50E-09	8.10E-09	1.56E-08	6.51E-09	7.17E-09	1.37E-08	7.87E-10	1.16E-09	1.95E-09	6.85E-10	7.15E-10	1.40E-09
2574	566823.53	4217209.24	9.24E-09	9.98E-09	1.92E-08	8.02E-09	8.83E-09	1.68E-08	9.69E-10	1.43E-09	2.40E-09	8.44E-10	8.81E-10	1.73E-09
2575	566784.59	4217150.74	1.38E-08	1.49E-08	2.87E-08	1.20E-08	1.32E-08	2.51E-08	1.45E-09	2.13E-09	3.58E-09	1.26E-09	1.31E-09	2.57E-09
2576	566774.86	4217136.12	1.48E-08	1.60E-08	3.08E-08	1.29E-08	1.42E-08	2.70E-08	1.56E-09	2.30E-09	3.85E-09	1.35E-09	1.41E-09	2.77E-09
2577	566765.12	4217121.49	1.58E-08	1.70E-08	3.28E-08	1.37E-08	1.51E-08	2.87E-08	1.65E-09	2.44E-09	4.09E-09	1.44E-09	1.50E-09	2.94E-09
2578	566755.39	4217106.87	1.65E-08	1.79E-08	3.44E-08	1.43E-08	1.58E-08	3.01E-08	1.73E-09	2.56E-09	4.29E-09	1.51E-09	1.58E-09	3.09E-09
2579	566745.65	4217092.24	1.71E-08	1.85E-08	3.56E-08	1.49E-08	1.64E-08	3.12E-08	1.80E-09	2.65E-09	4.45E-09	1.56E-09	1.63E-09	3.20E-09
2580	566726.18	4217062.99	1.78E-08	1.92E-08	3.70E-08	1.54E-08	1.70E-08	3.24E-08	1.87E-09	2.75E-09	4.62E-09	1.63E-09	1.70E-09	3.32E-09
2581	566716.45	4217048.37	1.79E-08	1.93E-08	3.71E-08	1.55E-08	1.71E-08	3.26E-08	1.87E-09	2.77E-09	4.64E-09	1.63E-09	1.70E-09	3.33E-09
2582	566706.71	4217033.74	1.78E-08	1.92E-08	3.70E-08	1.54E-08	1.70E-08	3.24E-08	1.87E-09	2.75E-09	4.62E-09	1.63E-09	1.70E-09	3.32E-09
2583	566703.78	4217017.86	1.81E-08	1.96E-08	3.77E-08	1.57E-08	1.73E-08	3.30E-08	1.90E-09	2.81E-09	4.71E-09	1.66E-09	1.73E-09	3.38E-09
2584	566711.53	4216983.59	1.96E-08	2.12E-08	4.08E-08	1.70E-08	1.87E-08	3.57E-08	2.06E-09	3.03E-09	5.09E-09	1.79E-09	1.87E-09	3.66E-09
2585	566715.4	4216966.45	2.02E-08	2.18E-08	4.19E-08	1.75E-08	1.93E-08	3.68E-08	2.12E-09	3.12E-09	5.24E-09	1.84E-09	1.92E-09	3.76E-09
2586	566719.27	4216949.32	2.06E-08	2.22E-08	4.28E-08	1.79E-08	1.97E-08	3.76E-08	2.16E-09	3.19E-09	5.35E-09	1.88E-09	1.96E-09	3.85E-09
2587	566721.21	4216940.75	2.08E-08	2.24E-08	4.32E-08	1.80E-08	1.98E-08	3.79E-08	2.18E-09	3.21E-09	5.39E-09	1.90E-09	1.98E-09	3.88E-09
2588	566725.08	4216923.61	2.10E-08	2.26E-08	4.36E-08	1.82E-08	2.00E-08	3.82E-08	2.20E-09	3.25E-09	5.45E-09	1.92E-09	2.00E-09	3.91E-09
2589	566732.82	4216889.34	2.09E-08	2.25E-08	4.34E-08	1.81E-08	1.99E-08	3.80E-08	2.19E-09	3.23E-09	5.42E-09	1.91E-09	1.99E-09	3.89E-09
2590	566736.69	4216872.2	2.06E-08	2.22E-08	4.27E-08	1.78E-08	1.96E-08	3.75E-08	2.16E-09	3.18E-09	5.34E-09	1.88E-09	1.96E-09	3.84E-09
2591	566740.57	4216855.06	2.01E-08	2.17E-08	4.17E-08	1.74E-08	1.92E-08	3.66E-08	2.11E-09	3.11E-09	5.21E-09	1.83E-09	1.91E-09	3.75E-09
2592	566835.79	4217221.39	8.37E-09	9.03E-09	1.74E-08	7.26E-09	7.99E-09	1.53E-08	8.78E-10	1.30E-09	2.17E-09	7.64E-10	7.97E-10	1.56E-09
2593	566850.59	4217231.06	7.68E-09	8.29E-09	1.60E-08	6.66E-09	7.33E-09	1.40E-08	8.05E-10	1.19E-09	1.99E-09	7.01E-10	7.32E-10	1.43E-09
2594	566865.38	4217240.72	7.03E-09	7.59E-09	1.46E-08	6.10E-09	6.72E-09	1.28E-08	7.37E-10	1.09E-09	1.83E-09	6.42E-10	6.70E-10	1.31E-09
2595	566818.08	4217217.64	8.65E-09	9.34E-09	1.80E-08	7.50E-09	8.26E-09	1.58E-08	9.07E-10	1.34E-09	2.25E-09	7.90E-10	8.24E-10	1.61E-09
2596	566798.68	4217188.5	1.08E-08	1.16E-08	2.24E-08	9.33E-09	1.03E-08	1.96E-08	1.13E-09	1.66E-09	2.79E-09	9.82E-10	1.03E-09	2.01E-09
2597	566769.59	4217144.8	1.39E-08	1.50E-08	2.89E-08	1.21E-08	1.33E-08	2.53E-08	1.46E-09	2.15E-09	3.61E-09	1.27E-09	1.32E-09	2.59E-09
2598	566759.89	4217130.23	1.48E-08	1.60E-08	3.08E-08	1.28E-08	1.41E-08	2.70E-08	1.55E-09	2.29E-09	3.84E-09	1.35E-09	1.41E-09	2.76E-09
2599	566750.2	4217115.66	1.56E-08	1.68E-08	3.24E-08	1.35E-08	1.49E-08	2.84E-08	1.64E-09	2.41E-09	4.05E-09	1.42E-09	1.49E-09	2.91E-09
2600	566740.5	4217101.09	1.62E-08	1.75E-08	3.37E-08	1.41E-08	1.55E-08	2.95E-08	1.70E-09	2.51E-09	4.21E-09	1.48E-09	1.54E-09	3.03E-09
2601	566721.11	4217071.95	1.70E-08	1.83E-08	3.53E-08	1.47E-08	1.62E-08	3.09E-08	1.78E-09	2.63E-09	4.40E-09	1.55E-09	1.62E-09	3.17E-09
2602	566711.41	4217057.38	1.71E-08	1.85E-08	3.56E-08	1.48E-08	1.63E-08	3.12E-08	1.79E-09	2.65E-09	4.44E-09	1.56E-09	1.63E-09	3.19E-09
2603	566701.71	4217042.81	1.71E-08	1.85E-08	3.55E-08	1.48E-08	1.63E-08	3.12E-08	1.79E-09	2.65E-09	4.44E-09	1.56E-09	1.63E-09	3.19E-09
2604	566693.94	4217019.71	1.74E-08	1.87E-08	3.61E-08	1.51E-08	1.66E-08	3.16E-08	1.82E-09	2.69E-09	4.51E-09	1.59E-09	1.65E-09	3.24E-09
2605	566697.8	4217002.64	1.81E-08	1.95E-08	3.76E-08	1.57E-08	1.73E-08	3.30E-08	1.90E-09	2.80E-09	4.70E-09	1.65E-09	1.72E-09	3.38E-09
2606	566701.66	4216985.57	1.87E-08	2.02E-08	3.90E-08	1.63E-08	1.79E-08	3.42E-08	1.97E-09	2.90E-09	4.87E-09	1.71E-09	1.79E-09	3.50E-09
2607	566705.51	4216968.5	1.93E-08	2.08E-08	4.01E-08	1.67E-08	1.84E-08	3.52E-08	2.02E-09	2.99E-09	5.01E-09	1.76E-09	1.84E-09	3.60E-09
2608	566709.37	4216951.43	1.97E-08	2.13E-08	4.10E-08	1.71E-08	1.88E-08	3.59E-08	2.07E-09	3.05E-09	5.12E-09	1.80E-09	1.88E-09	3.68E-09
2609	566713.23	4216934.36	2.00E-08	2.16E-08	4.16E-08	1.74E-08	1.91E-08	3.65E-08	2.10E-09	3.10E-09	5.19E-09	1.83E-09	1.91E-09	3.73E-09
2610	566717.08	4216917.28	2.01E-08	2.17E-08	4.19E-08	1.75E-08	1.92E-08	3.67E-08	2.11E-09	3.12E-09	5.23E-09	1.84E-09	1.92E-09	3.76E-09
2611	566722.87	4216891.68	2.01E-08	2.17E-08	4.17E-08	1.74E-08	1.92E-08	3.66E-08	2.10E-09	3.11E-09	5.21E-09	1.83E-09	1.91E-09	3.74E-09
2612	566726.73	4216874.61	1.98E-08	2.14E-08	4.12E-08	1.72E-08	1.89E-08	3.61E-08	2.08E-09	3.07E-09	5.14E-09	1.81E-09	1.89E-09	3.70E-09
2613	566830.32	4217229.76	7.84E-09	8.46E-09	1.63E-08	6.80E-09	7.49E-09	1.43E-08	8.22E-10	1.21E-09	2.04E-09	7.16E-10	7.47E-10	1.46E-09
2614	566845.12	4217239.43	7.20E-09	7.77E-09	1.50E-08	6.24E-09	6.87E-09	1.31E-08	7.55E-10	1.11E-09	1.87E-09	6.57E-10	6.86E-10	1.34E-09
2615	566859.91	4217249.09	6.60E-09	7.13E-09	1.37E-08	5.73E-09	6.31E-09	1.20E-08	6.93E-10	1.02E-09	1.71E-09	6.03E-10	6.29E-10	1.23E-09
2616	566812.62	4217226.04	8.11E-09	8.76E-09	1.69E-08	7.04E-09	7.75E-09	1.48E-08	8.51E-10	1.26E-09	2.11E-09	7.41E-10	7.73E-10	1.51E-09
2617	566793.3	4217197.01	1.01E-08	1.09E-08	2.09E-08	8.73E-09	9.61E-09	1.83E-08	1.06E-09	1.56E-09	2.61E-09	9.19E-10	9.59E-10	1.88E-09
2618	566783.64	4217182.49	1.11E-08	1.20E-08	2.31E-08	9.62E-09	1.06E-08	2.02E-08	1.16E-09	1.72E-09	2.88E-09	1.01E-09	1.06E-09	2.07E-09
2619	566773.97	4217167.97	1.21E-08	1.31E-08	2.51E-08	1.05E-08	1.15E-08	2.20E-08	1.27E-09	1.87E-09	3.14E-09	1.10E-09	1.15E-09	2.26E-09
2620	566744.99	4217124.42	1.47E-08	1.59E-08	3.06E-08	1.27E-08	1.40E-08	2.68E-08	1.54E-09	2.27E-09	3.82E-09	1.34E-09	1.40E-09	2.74E-09
2621	566735.32	4217109.9	1.53E-08	1.66E-08	3.19E-08	1.33E-08	1.46E-08	2.80E-08	1.61E-09	2.37E-09	3.98E-09	1.40E-09	1.46E-09	2.86E-09
2622	566716	4217080.87	1.62E-08	1.74E-08	3.36E-08	1.40E-08	1.54E-08	2.95E-08	1.69E-09	2.50E-09	4.20E-09	1.48E-09	1.54E-09	3.02E-09
2623	566706.34	4217066.35	1.64E-08	1.77E-08	3.40E-08	1.42E-08	1.56E-08	2.98E-08	1.72E-09	2.53E-09	4.25E-09	1.49E-09	1.56E-09	3.05E-09

2624	566696.67	4217051.84	1.64E-08	1.77E-08	3.41E-08	1.42E-08	1.57E-08	2.99E-08	1.72E-09	2.54E-09	4.26E-09	1.50E-09	1.56E-09	3.06E-09
2625	566687.01	4217037.32	1.63E-08	1.76E-08	3.40E-08	1.42E-08	1.56E-08	2.98E-08	1.71E-09	2.53E-09	4.24E-09	1.49E-09	1.56E-09	3.05E-09
2626	566684.1	4217021.56	1.66E-08	1.79E-08	3.46E-08	1.44E-08	1.59E-08	3.03E-08	1.74E-09	2.57E-09	4.32E-09	1.52E-09	1.58E-09	3.10E-09
2627	566687.94	4217004.55	1.73E-08	1.87E-08	3.60E-08	1.50E-08	1.65E-08	3.16E-08	1.82E-09	2.68E-09	4.50E-09	1.58E-09	1.65E-09	3.23E-09
2628	566695.63	4216970.53	1.85E-08	1.99E-08	3.84E-08	1.60E-08	1.76E-08	3.37E-08	1.94E-09	2.86E-09	4.79E-09	1.69E-09	1.76E-09	3.45E-09
2629	566699.47	4216953.52	1.89E-08	2.04E-08	3.93E-08	1.64E-08	1.80E-08	3.44E-08	1.98E-09	2.92E-09	4.90E-09	1.72E-09	1.80E-09	3.52E-09
2630	566703.32	4216936.51	1.92E-08	2.07E-08	3.99E-08	1.66E-08	1.83E-08	3.49E-08	2.01E-09	2.97E-09	4.98E-09	1.75E-09	1.83E-09	3.58E-09
2631	566707.16	4216919.5	1.93E-08	2.09E-08	4.02E-08	1.68E-08	1.85E-08	3.52E-08	2.03E-09	2.99E-09	5.02E-09	1.77E-09	1.84E-09	3.61E-09
2632	566730.22	4216817.44	1.73E-08	1.87E-08	3.61E-08	1.51E-08	1.66E-08	3.16E-08	1.82E-09	2.69E-09	4.51E-09	1.58E-09	1.65E-09	3.24E-09
2633	566824.85	4217238.13	7.36E-09	7.94E-09	1.53E-08	6.38E-09	7.03E-09	1.34E-08	7.72E-10	1.14E-09	1.91E-09	6.72E-10	7.01E-10	1.37E-09
2634	566839.65	4217247.8	6.77E-09	7.30E-09	1.41E-08	5.87E-09	6.46E-09	1.23E-08	7.10E-10	1.05E-09	1.76E-09	6.18E-10	6.45E-10	1.26E-09
2635	566854.44	4217257.46	6.21E-09	6.71E-09	1.29E-08	5.39E-09	5.93E-09	1.13E-08	6.52E-10	9.62E-10	1.61E-09	5.68E-10	5.92E-10	1.16E-09
2636	567028.78	4217030.96	1.42E-07	1.54E-07	2.96E-07	1.24E-07	1.36E-07	2.60E-07	1.49E-08	2.21E-08	3.70E-08	1.30E-08	1.36E-08	2.66E-08
2637	567018.45	4217028.67	1.31E-07	1.41E-07	2.72E-07	1.14E-07	1.25E-07	2.38E-07	1.37E-08	2.03E-08	3.40E-08	1.20E-08	1.25E-08	2.44E-08
2638	567040.63	4217040.44	1.33E-07	1.44E-07	2.77E-07	1.16E-07	1.27E-07	2.43E-07	1.40E-08	2.06E-08	3.46E-08	1.22E-08	1.27E-08	2.49E-08
2639	567029.22	4217040.64	1.15E-07	1.24E-07	2.40E-07	1.00E-07	1.10E-07	2.10E-07	1.21E-08	1.78E-08	2.99E-08	1.05E-08	1.10E-08	2.15E-08
2640	567017.41	4217038.02	1.08E-07	1.16E-07	2.24E-07	9.33E-08	1.03E-07	1.96E-07	1.13E-08	1.66E-08	2.79E-08	9.82E-09	1.02E-08	2.01E-08
2641	567055.69	4217042.82	1.54E-07	1.66E-07	3.20E-07	1.33E-07	1.47E-07	2.80E-07	1.61E-08	2.38E-08	3.99E-08	1.40E-08	1.47E-08	2.87E-08
2642	567045.39	4217048.5	1.14E-07	1.23E-07	2.37E-07	9.87E-08	1.09E-07	2.07E-07	1.19E-08	1.76E-08	2.95E-08	1.04E-08	1.08E-08	2.12E-08
2643	567034.69	4217051.43	9.51E-08	1.03E-07	1.98E-07	8.25E-08	9.08E-08	1.73E-07	9.97E-09	1.47E-08	2.47E-08	8.69E-09	9.06E-09	1.77E-08
2644	567023.2	4217048.89	9.12E-08	9.84E-08	1.90E-07	7.91E-08	8.71E-08	1.66E-07	9.57E-09	1.41E-08	2.37E-08	8.33E-09	8.69E-09	1.70E-08
2645	567011.72	4217046.34	8.73E-08	9.42E-08	1.82E-07	7.57E-08	8.34E-08	1.59E-07	9.16E-09	1.35E-08	2.27E-08	7.97E-09	8.32E-09	1.63E-08
2646	567063.55	4217049.18	1.38E-07	1.49E-07	2.88E-07	1.20E-07	1.32E-07	2.52E-07	1.45E-08	2.14E-08	3.59E-08	1.26E-08	1.32E-08	2.58E-08
2647	567053.43	4217054.75	1.03E-07	1.12E-07	2.15E-07	8.97E-08	9.88E-08	1.89E-07	1.08E-08	1.60E-08	2.69E-08	9.45E-09	9.86E-09	1.93E-08
2648	567043.31	4217060.32	8.21E-08	8.86E-08	1.71E-07	7.12E-08	7.84E-08	1.50E-07	8.61E-09	1.27E-08	2.13E-08	7.50E-09	7.82E-09	1.53E-08
2649	567081.31	4217050.08	1.77E-07	1.91E-07	3.68E-07	1.54E-07	1.69E-07	3.23E-07	1.86E-08	2.74E-08	4.60E-08	1.62E-08	1.69E-08	3.30E-08
2650	567071.33	4217055.58	1.23E-07	1.33E-07	2.56E-07	1.07E-07	1.17E-07	2.24E-07	1.29E-08	1.90E-08	3.19E-08	1.12E-08	1.17E-08	2.29E-08
2651	567061.34	4217061.08	9.27E-08	1.00E-07	1.93E-07	8.04E-08	8.86E-08	1.69E-07	9.72E-09	1.44E-08	2.41E-08	8.47E-09	8.84E-09	1.73E-08
2652	567088.71	4217056.68	1.52E-07	1.64E-07	3.15E-07	1.32E-07	1.45E-07	2.76E-07	1.59E-08	2.35E-08	3.94E-08	1.39E-08	1.45E-08	2.83E-08
2653	567078.11	4217062.52	1.05E-07	1.14E-07	2.19E-07	9.14E-08	1.01E-07	1.92E-07	1.11E-08	1.63E-08	2.74E-08	9.63E-09	1.00E-08	1.97E-08
2654	567067.51	4217068.36	7.90E-08	8.52E-08	1.64E-07	6.85E-08	7.54E-08	1.44E-07	8.28E-09	1.22E-08	2.05E-08	7.21E-09	7.53E-09	1.47E-08
2655	567046.31	4217080.03	5.21E-08	5.62E-08	1.08E-07	4.52E-08	4.98E-08	9.50E-08	5.47E-09	8.07E-09	1.35E-08	4.76E-09	4.97E-09	9.73E-09
2656	567030.97	4217079.36	5.02E-08	5.42E-08	1.04E-07	4.36E-08	4.80E-08	9.15E-08	5.27E-09	7.77E-09	1.30E-08	4.59E-09	4.79E-09	9.37E-09
2657	567019.15	4217076.74	5.09E-08	5.50E-08	1.06E-07	4.42E-08	4.87E-08	9.28E-08	5.34E-09	7.88E-09	1.32E-08	4.65E-09	4.86E-09	9.51E-09
2658	566995.52	4217071.51	5.14E-08	5.55E-08	1.07E-07	4.46E-08	4.91E-08	9.37E-08	5.39E-09	7.96E-09	1.34E-08	4.70E-09	4.90E-09	9.60E-09
2659	567096.37	4217063.15	1.29E-07	1.39E-07	2.69E-07	1.12E-07	1.23E-07	2.36E-07	1.36E-08	2.00E-08	3.36E-08	1.18E-08	1.23E-08	2.41E-08
2660	567085.94	4217068.89	9.25E-08	9.98E-08	1.92E-07	8.03E-08	8.84E-08	1.69E-07	9.70E-09	1.43E-08	2.40E-08	8.45E-09	8.82E-09	1.73E-08
2661	567054.64	4217086.13	4.66E-08	5.03E-08	9.70E-08	4.05E-08	4.45E-08	8.50E-08	4.89E-09	7.22E-09	1.21E-08	4.26E-09	4.44E-09	8.70E-09
2662	567040.33	4217091.02	4.05E-08	4.37E-08	8.41E-08	3.51E-08	3.87E-08	7.38E-08	4.24E-09	6.26E-09	1.05E-08	3.70E-09	3.86E-09	7.55E-09
2663	567028.7	4217088.44	4.16E-08	4.49E-08	8.65E-08	3.61E-08	3.97E-08	7.58E-08	4.36E-09	6.44E-09	1.08E-08	3.80E-09	3.97E-09	7.77E-09
2664	567017.07	4217085.86	4.26E-08	4.60E-08	8.87E-08	3.70E-08	4.07E-08	7.77E-08	4.47E-09	6.60E-09	1.11E-08	3.90E-09	4.06E-09	7.96E-09
2665	567104.02	4217069.62	1.09E-07	1.18E-07	2.27E-07	9.48E-08	1.04E-07	1.99E-07	1.15E-08	1.69E-08	2.84E-08	9.98E-09	1.04E-08	2.04E-08
2666	567093.72	4217075.29	8.05E-08	8.69E-08	1.67E-07	6.99E-08	7.69E-08	1.47E-07	8.45E-09	1.25E-08	2.09E-08	7.35E-09	7.67E-09	1.50E-08
2667	567073.11	4217086.64	4.97E-08	5.36E-08	1.03E-07	4.31E-08	4.74E-08	9.05E-08	5.21E-09	7.69E-09	1.29E-08	4.54E-09	4.73E-09	9.27E-09
2668	567062.8	4217092.32	4.15E-08	4.48E-08	8.64E-08	3.60E-08	3.97E-08	7.57E-08	4.36E-09	6.43E-09	1.08E-08	3.79E-09	3.96E-09	7.75E-09
2669	567052.49	4217097.99	3.59E-08	3.87E-08	7.46E-08	3.11E-08	3.42E-08	6.54E-08	3.76E-09	5.55E-09	9.31E-09	3.27E-09	3.42E-09	6.69E-09
2670	567041.8	4217100.93	3.33E-08	3.60E-08	6.93E-08	2.89E-08	3.18E-08	6.07E-08	3.49E-09	5.16E-09	8.65E-09	3.04E-09	3.18E-09	6.22E-09
2671	567030.31	4217098.38	3.45E-08	3.73E-08	7.18E-08	3.00E-08	3.30E-08	6.30E-08	3.62E-09	5.35E-09	8.97E-09	3.16E-09	3.29E-09	6.45E-09
2672	567018.82	4217095.84	3.57E-08	3.86E-08	7.43E-08	3.10E-08	3.41E-08	6.51E-08	3.75E-09	5.53E-09	9.28E-09	3.26E-09	3.40E-09	6.67E-09
2673	567007.34	4217093.29	3.68E-08	3.97E-08	7.65E-08	3.19E-08	3.51E-08	6.71E-08	3.86E-09	5.70E-09	9.56E-09	3.36E-09	3.51E-09	6.87E-09
2674	566984.37	4217088.2	3.83E-08	4.13E-08	7.96E-08	3.32E-08	3.66E-08	6.98E-08	4.01E-09	5.92E-09	9.94E-09	3.50E-09	3.65E-09	7.14E-09
2675	567070.85	4217098.56	3.70E-08	4.00E-08	7.70E-08	3.21E-08	3.54E-08	6.75E-08	3.89E-09	5.73E-09	9.62E-09	3.38E-09	3.53E-09	6.91E-09
2676	567060.65	4217104.18	3.20E-08	3.46E-08	6.66E-08	2.78E-08	3.06E-08	5.84E-08	3.36E-09	4.96E-09	8.32E-09	2.93E-09	3.05E-09	5.98E-09
2677	567050.45	4217109.8	2.84E-08	3.06E-08	5.90E-08	2.46E-08	2.71E-08	5.17E-08	2.98E-09	4.39E-09	7.37E-09	2.59E-09	2.71E-09	5.30E-09
2678	567039.46	4217109.99	2.81E-08	3.03E-08	5.85E-08	2.44E-08	2.69E-08	5.12E-08	2.95E-09	4.35E-09	7.30E-09	2.57E-09	2.68E-09	5.25E-09
2679	567028.09	4217107.47	2.93E-08	3.16E-08	6.09E-08	2.54E-08	2.80E-08	5.34E-08	3.07E-09	4.53E-09	7.60E-09	2.67E-09	2.79E-09	5.46E-09
2680	567016.72	4217104.95	3.04E-08	3.29E-08	6.33E-08	2.64E-08	2.91E-08	5.55E-08	3.19E-09	4.71E-09	7.91E-09	2.78E-09	2.90E-09	5.68E-09
2681	567005.35	4217102.43	3.15E-08	3.40E-08	6.56E-08	2.74E-08	3.01E-08	5.75E-08	3.31E-09	4.88E-09	8.19E-09	2.88E-09	3.01E-09	5.89E-09
2682	567119.13	4217082.66	8.03E-08	8.66E-08	1.67E-07	6.96E-08	7.67E-08	1.46E-07	8.42E-09	1.24E-08	2.08E-08	7.33E-09	7.65E-09	1.50E-08
2683	567097.93	4217094.33	4.75E-08	5.12E-08	9.87E-08	4.12E-08	4.53E-08	8.65E-08	4.98E-09	7.35E-09	1.23E-08	4.34E-09	4.52E-09	8.86E-09
2684	567055.53	4217117.68	2.47E-08	2.66E-08	5.13E-08	2.14E-08	2.36E-08	4.50E-08	2.59E-09	3.82E-09	6.41E-09	2.25E-09	2.35E-09	4.61E-09
2685	567044.53	4217120.7	2.34E-08	2.52E-08	4.86E-08	2.03E-08	2.23E-08	4.26E-08	2.45E-09	3.61E-09	6.06E-09	2.13E-09	2.23E-09	4.36E-09
2686	567032.71	4217118.08	2.44E-08	2.64E-08	5.08E-08	2.12E-08	2.33E-08	4.45E-08	2.56E-09	3.78E-09	6.34E-09	2.23E-09	2.33E-09	4.56E-09
2687	567020.9	4217115.46	2.56E-08	2.76E-08	5.32E-08	2.22E-08	2.44E-08	4.66E-08	2.68E-09	3.96E-09	6.64E-09	2.33E-09	2.44E-09	4.77E-09
2688	567009.09	4217112.84	2.67E-08	2.88E-08	5.55E-08	2.32E-08	2.55E-08	4.87E-08	2.80E-09	4.13E-09	6.93E-09	2.44E-09	2.54E-09	4.98E-09
2689	566997.27	4217110.23	2.77E-08	2.99E-08	5.77E-08	2.41E-08	2.65E-08	5.06E-08	2.91E-09	4.29E-09	7.20E-09	2.53E-09	2.64E-09	5.18E-09
2690	566973.64	4217104.99	2.94E-08	3.17E-08	6.11E-08	2.55E-08	2.81E-08	5.36E-08	3.08E-09	4.55E-09	7.63E-09	2.68E-09	2.80E-09	5.48E-09
2691	567095.32	4217106.45	3.48E-08	3.76E-08	7.23E-08	3.02E-08	3.32E-08	6.34E-08	3.65E-09	5.39E-09	9.03E-09	3.18E-09	3.32E-09	6.49E-09
2692	567084.84	4217112.23	2.92E-08	3.15E-08	6.07E-08	2.53E-08	2.79E-08	5.32E-08	3.06E-09	4.52E-09	7.57E-09	2.66E-09	2.78E-09	5.45E-09
2693	567042.1	4217129.74	2.02E-08	2.18E-08	4.19E-08	1.75E-08	1.93E-08	3.68E-08	2.12E-09	3.12E-09	5.24E-09	1.84E-09	1.92E-09	3.77E-09
2694	567030.41	4217127.15	2.11E-08	2.28E-08	4.39E-08	1.83E-08	2.02E-08	3.85E-08	2.22E-09	3.27E-09	5.49E-09	1.93E-09	2.01E-09	3.94E-09

2695	567018.73	4217124.56	2.21E-08	2.39E-08	4.60E-08	1.92E-08	2.12E-08	4.04E-08	2.32E-09	3.43E-09	5.75E-09	2.02E-09	2.11E-09	4.13E-09
2696	567007.04	4217121.97	2.32E-08	2.50E-08	4.82E-08	2.01E-08	2.21E-08	4.22E-08	2.43E-09	3.59E-09	6.02E-09	2.12E-09	2.21E-09	4.33E-09
2697	566995.36	4217119.38	2.41E-08	2.61E-08	5.02E-08	2.10E-08	2.31E-08	4.40E-08	2.53E-09	3.74E-09	6.27E-09	2.21E-09	2.30E-09	4.51E-09
2698	566983.67	4217116.8	2.50E-08	2.70E-08	5.20E-08	2.17E-08	2.39E-08	4.56E-08	2.62E-09	3.87E-09	6.50E-09	2.29E-09	2.39E-09	4.67E-09
2699	567117.1	4217105.14	4.25E-08	4.59E-08	8.85E-08	3.69E-08	4.06E-08	7.76E-08	4.46E-09	6.59E-09	1.10E-08	3.89E-09	4.06E-09	7.94E-09
2700	567096.32	4217116.58	2.83E-08	3.05E-08	5.88E-08	2.45E-08	2.70E-08	5.15E-08	2.97E-09	4.38E-09	7.34E-09	2.58E-09	2.70E-09	5.28E-09
2701	567085.94	4217122.3	2.42E-08	2.61E-08	5.02E-08	2.10E-08	2.31E-08	4.40E-08	2.53E-09	3.74E-09	6.27E-09	2.21E-09	2.30E-09	4.51E-09
2702	567075.55	4217128.02	2.12E-08	2.29E-08	4.41E-08	1.84E-08	2.02E-08	3.86E-08	2.22E-09	3.28E-09	5.50E-09	1.94E-09	2.02E-09	3.96E-09
2703	567065.16	4217133.74	1.90E-08	2.05E-08	3.95E-08	1.65E-08	1.82E-08	3.47E-08	1.99E-09	2.94E-09	4.94E-09	1.74E-09	1.81E-09	3.55E-09
2704	567043.59	4217139.66	1.74E-08	1.87E-08	3.61E-08	1.51E-08	1.66E-08	3.16E-08	1.82E-09	2.69E-09	4.51E-09	1.59E-09	1.65E-09	3.24E-09
2705	567032.01	4217137.09	1.82E-08	1.96E-08	3.78E-08	1.58E-08	1.74E-08	3.31E-08	1.91E-09	2.81E-09	4.72E-09	1.66E-09	1.73E-09	3.39E-09
2706	567020.44	4217134.53	1.90E-08	2.06E-08	3.96E-08	1.65E-08	1.82E-08	3.47E-08	2.00E-09	2.95E-09	4.95E-09	1.74E-09	1.82E-09	3.55E-09
2707	567008.86	4217131.96	2.00E-08	2.15E-08	4.15E-08	1.73E-08	1.91E-08	3.64E-08	2.09E-09	3.09E-09	5.18E-09	1.82E-09	1.90E-09	3.73E-09
2708	566997.28	4217129.39	2.09E-08	2.25E-08	4.34E-08	1.81E-08	1.99E-08	3.80E-08	2.19E-09	3.23E-09	5.42E-09	1.91E-09	1.99E-09	3.89E-09
2709	566985.7	4217126.83	2.17E-08	2.34E-08	4.51E-08	1.88E-08	2.07E-08	3.96E-08	2.28E-09	3.36E-09	5.63E-09	1.98E-09	2.07E-09	4.05E-09
2710	566962.55	4217121.7	2.31E-08	2.50E-08	4.81E-08	2.01E-08	2.21E-08	4.22E-08	2.43E-09	3.58E-09	6.01E-09	2.11E-09	2.21E-09	4.32E-09
2711	567124.87	4217111.54	3.95E-08	4.26E-08	8.21E-08	3.42E-08	3.77E-08	7.20E-08	4.14E-09	6.11E-09	1.03E-08	3.61E-09	3.76E-09	7.37E-09
2712	567114.56	4217117.22	3.18E-08	3.43E-08	6.60E-08	2.76E-08	3.03E-08	5.79E-08	3.33E-09	4.92E-09	8.25E-09	2.90E-09	3.03E-09	5.93E-09
2713	567093.95	4217128.57	2.23E-08	2.41E-08	4.65E-08	1.94E-08	2.13E-08	4.07E-08	2.34E-09	3.46E-09	5.80E-09	2.04E-09	2.13E-09	4.17E-09
2714	567083.65	4217134.24	1.96E-08	2.11E-08	4.07E-08	1.70E-08	1.87E-08	3.56E-08	2.05E-09	3.03E-09	5.08E-09	1.79E-09	1.86E-09	3.65E-09
2715	567073.34	4217139.92	1.75E-08	1.89E-08	3.64E-08	1.52E-08	1.67E-08	3.19E-08	1.84E-09	2.71E-09	4.54E-09	1.60E-09	1.67E-09	3.27E-09
2716	567063.04	4217145.59	1.59E-08	1.72E-08	3.32E-08	1.38E-08	1.52E-08	2.91E-08	1.67E-09	2.47E-09	4.14E-09	1.46E-09	1.52E-09	2.98E-09
2717	567037.42	4217147.87	1.56E-08	1.68E-08	3.23E-08	1.35E-08	1.49E-08	2.83E-08	1.63E-09	2.41E-09	4.04E-09	1.42E-09	1.48E-09	2.90E-09
2718	567025.93	4217145.33	1.63E-08	1.76E-08	3.38E-08	1.41E-08	1.55E-08	2.97E-08	1.71E-09	2.52E-09	4.22E-09	1.49E-09	1.55E-09	3.04E-09
2719	567014.44	4217142.78	1.70E-08	1.84E-08	3.54E-08	1.48E-08	1.63E-08	3.11E-08	1.79E-09	2.64E-09	4.43E-09	1.56E-09	1.62E-09	3.18E-09
2720	567002.96	4217140.24	1.78E-08	1.93E-08	3.71E-08	1.55E-08	1.70E-08	3.25E-08	1.87E-09	2.76E-09	4.63E-09	1.63E-09	1.70E-09	3.33E-09
2721	566991.47	4217137.69	1.86E-08	2.01E-08	3.88E-08	1.62E-08	1.78E-08	3.40E-08	1.95E-09	2.88E-09	4.84E-09	1.70E-09	1.78E-09	3.48E-09
2722	566979.99	4217135.15	1.94E-08	2.09E-08	4.03E-08	1.68E-08	1.85E-08	3.53E-08	2.03E-09	3.00E-09	5.03E-09	1.77E-09	1.85E-09	3.62E-09
2723	566957.01	4217130.06	2.07E-08	2.23E-08	4.30E-08	1.80E-08	1.98E-08	3.77E-08	2.17E-09	3.20E-09	5.37E-09	1.89E-09	1.97E-09	3.86E-09
2724	567121.29	4217124.2	2.92E-08	3.15E-08	6.07E-08	2.53E-08	2.79E-08	5.32E-08	3.06E-09	4.52E-09	7.58E-09	2.67E-09	2.78E-09	5.45E-09
2725	567100.09	4217135.87	2.04E-08	2.20E-08	4.23E-08	1.77E-08	1.94E-08	3.71E-08	2.14E-09	3.15E-09	5.29E-09	1.86E-09	1.94E-09	3.80E-09
2726	567089.49	4217141.71	1.77E-08	1.91E-08	3.69E-08	1.54E-08	1.69E-08	3.23E-08	1.86E-09	2.75E-09	4.61E-09	1.62E-09	1.69E-09	3.31E-09
2727	567078.89	4217147.55	1.58E-08	1.71E-08	3.29E-08	1.37E-08	1.51E-08	2.89E-08	1.66E-09	2.45E-09	4.11E-09	1.45E-09	1.51E-09	2.96E-09
2728	567068.29	4217153.38	1.44E-08	1.56E-08	3.00E-08	1.25E-08	1.38E-08	2.63E-08	1.51E-09	2.23E-09	3.75E-09	1.32E-09	1.37E-09	2.69E-09
2729	567057.69	4217159.22	1.33E-08	1.44E-08	2.77E-08	1.16E-08	1.27E-08	2.43E-08	1.40E-09	2.06E-09	3.46E-09	1.22E-09	1.27E-09	2.49E-09
2730	567034.46	4217156.8	1.39E-08	1.50E-08	2.89E-08	1.20E-08	1.33E-08	2.53E-08	1.46E-09	2.15E-09	3.61E-09	1.27E-09	1.32E-09	2.59E-09
2731	567022.65	4217154.18	1.45E-08	1.57E-08	3.02E-08	1.26E-08	1.39E-08	2.65E-08	1.52E-09	2.25E-09	3.77E-09	1.33E-09	1.38E-09	2.71E-09
2732	567010.83	4217151.57	1.52E-08	1.64E-08	3.16E-08	1.32E-08	1.45E-08	2.77E-08	1.60E-09	2.35E-09	3.95E-09	1.39E-09	1.45E-09	2.84E-09
2733	566999.02	4217148.95	1.59E-08	1.72E-08	3.31E-08	1.38E-08	1.52E-08	2.90E-08	1.67E-09	2.47E-09	4.14E-09	1.46E-09	1.52E-09	2.97E-09
2734	566987.21	4217146.33	1.67E-08	1.80E-08	3.46E-08	1.44E-08	1.59E-08	3.04E-08	1.75E-09	2.58E-09	4.32E-09	1.52E-09	1.59E-09	3.11E-09
2735	566975.39	4217143.71	1.73E-08	1.87E-08	3.60E-08	1.50E-08	1.66E-08	3.16E-08	1.82E-09	2.68E-09	4.50E-09	1.58E-09	1.65E-09	3.24E-09
2736	566951.76	4217138.48	1.86E-08	2.01E-08	3.87E-08	1.61E-08	1.78E-08	3.39E-08	1.95E-09	2.88E-09	4.83E-09	1.70E-09	1.77E-09	3.47E-09
2737	567118.64	4217136.33	2.28E-08	2.46E-08	4.73E-08	1.97E-08	2.17E-08	4.15E-08	2.39E-09	3.52E-09	5.91E-09	2.08E-09	2.17E-09	4.25E-09
2738	567097.62	4217147.91	1.67E-08	1.80E-08	3.47E-08	1.45E-08	1.60E-08	3.04E-08	1.75E-09	2.59E-09	4.34E-09	1.53E-09	1.59E-09	3.12E-09
2739	567087.11	4217153.7	1.49E-08	1.60E-08	3.09E-08	1.29E-08	1.42E-08	2.71E-08	1.56E-09	2.30E-09	3.86E-09	1.36E-09	1.42E-09	2.77E-09
2740	567076.6	4217159.49	1.35E-08	1.46E-08	2.80E-08	1.17E-08	1.29E-08	2.46E-08	1.41E-09	2.09E-09	3.50E-09	1.23E-09	1.29E-09	2.52E-09
2741	567066.09	4217165.28	1.24E-08	1.34E-08	2.59E-08	1.08E-08	1.19E-08	2.27E-08	1.30E-09	1.92E-09	3.23E-09	1.14E-09	1.19E-09	2.32E-09
2742	567051.67	4217170.2	1.17E-08	1.26E-08	2.44E-08	1.02E-08	1.12E-08	2.14E-08	1.23E-09	1.81E-09	3.04E-09	1.07E-09	1.12E-09	2.19E-09
2743	567028.24	4217165.01	1.26E-08	1.36E-08	2.63E-08	1.10E-08	1.21E-08	2.30E-08	1.33E-09	1.96E-09	3.28E-09	1.15E-09	1.20E-09	2.36E-09
2744	567016.52	4217162.41	1.32E-08	1.42E-08	2.74E-08	1.14E-08	1.26E-08	2.40E-08	1.38E-09	2.04E-09	3.43E-09	1.20E-09	1.26E-09	2.46E-09
2745	567004.81	4217159.81	1.38E-08	1.49E-08	2.87E-08	1.20E-08	1.32E-08	2.51E-08	1.45E-09	2.13E-09	3.58E-09	1.26E-09	1.31E-09	2.57E-09
2746	566993.09	4217157.22	1.44E-08	1.56E-08	3.00E-08	1.25E-08	1.38E-08	2.63E-08	1.51E-09	2.23E-09	3.74E-09	1.32E-09	1.37E-09	2.69E-09
2747	566981.37	4217154.62	1.50E-08	1.62E-08	3.13E-08	1.31E-08	1.44E-08	2.74E-08	1.58E-09	2.33E-09	3.91E-09	1.37E-09	1.43E-09	2.81E-09
2748	566969.66	4217152.02	1.57E-08	1.69E-08	3.25E-08	1.36E-08	1.50E-08	2.85E-08	1.64E-09	2.42E-09	4.06E-09	1.43E-09	1.49E-09	2.92E-09
2749	566946.23	4217146.83	1.68E-08	1.81E-08	3.50E-08	1.46E-08	1.61E-08	3.06E-08	1.76E-09	2.60E-09	4.37E-09	1.54E-09	1.60E-09	3.14E-09
2750	567102.21	4217156.06	1.52E-08	1.64E-08	3.16E-08	1.32E-08	1.45E-08	2.77E-08	1.59E-09	2.35E-09	3.94E-09	1.39E-09	1.45E-09	2.83E-09
2751	567091.78	4217161.81	1.35E-08	1.46E-08	2.82E-08	1.18E-08	1.29E-08	2.47E-08	1.42E-09	2.10E-09	3.52E-09	1.24E-09	1.29E-09	2.53E-09
2752	567081.34	4217167.56	1.23E-08	1.33E-08	2.56E-08	1.07E-08	1.18E-08	2.25E-08	1.29E-09	1.91E-09	3.20E-09	1.13E-09	1.18E-09	2.30E-09
2753	567070.91	4217173.3	1.14E-08	1.23E-08	2.37E-08	9.88E-09	1.09E-08	2.08E-08	1.19E-09	1.76E-09	2.96E-09	1.04E-09	1.09E-09	2.13E-09
2754	567060.47	4217179.05	1.06E-08	1.15E-08	2.21E-08	9.23E-09	1.02E-08	1.94E-08	1.12E-09	1.65E-09	2.76E-09	9.72E-10	1.01E-09	1.99E-09
2755	567049.24	4217179.24	1.06E-08	1.15E-08	2.21E-08	9.21E-09	1.01E-08	1.94E-08	1.11E-09	1.64E-09	2.76E-09	9.70E-10	1.01E-09	1.98E-09
2756	567025.98	4217174.09	1.14E-08	1.23E-08	2.37E-08	9.90E-09	1.09E-08	2.08E-08	1.20E-09	1.77E-09	2.96E-09	1.04E-09	1.09E-09	2.13E-09
2757	567014.35	4217171.51	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.13E-08	2.16E-08	1.25E-09	1.84E-09	3.08E-09	1.08E-09	1.13E-09	2.22E-09
2758	567002.72	4217168.94	1.24E-08	1.34E-08	2.57E-08	1.07E-08	1.18E-08	2.26E-08	1.30E-09	1.92E-09	3.21E-09	1.13E-09	1.18E-09	2.31E-09
2759	566991.09	4217166.36	1.29E-08	1.39E-08	2.69E-08	1.12E-08	1.23E-08	2.35E-08	1.35E-09	2.00E-09	3.35E-09	1.18E-09	1.23E-09	2.41E-09
2760	566979.47	4217163.78	1.35E-08	1.45E-08	2.80E-08	1.17E-08	1.29E-08	2.46E-08	1.41E-09	2.09E-09	3.50E-09	1.23E-09	1.28E-09	2.52E-09
2761	566967.84	4217161.2	1.40E-08	1.51E-08	2.92E-08	1.22E-08	1.34E-08	2.56E-08	1.47E-09	2.17E-09	3.64E-09	1.28E-09	1.34E-09	2.62E-09
2762	566944.58	4217156.05	1.51E-08	1.63E-08	3.14E-08	1.31E-08	1.44E-08	2.75E-08	1.58E-09	2.34E-09	3.92E-09	1.38E-09	1.44E-09	2.82E-09
2763	567099.88	4217168.03	1.29E-08	1.39E-08	2.67E-08	1.12E-08	1.23E-08	2.34E-08	1.35E-09	1.99E-09	3.34E-09	1.17E-09	1.23E-09	2.40E-09
2764	567089.52	4217173.74	1.17E-08	1.26E-08	2.42E-08	1.01E-08	1.11E-08	2.13E-08	1.22E-09	1.80E-09	3.03E-09	1.07E-09	1.11E-09	2.18E-09
2765	567079.15	4217179.44	1.07E-08	1.16E-08	2.23E-08	9.32E-09	1.03E-08	1.96E-08	1.13E-09	1.66E-09	2.79E-09	9.82E-10	1.02E-09	2.01E-09

2766	567068.78	4217185.15	1.00E-08	1.08E-08	2.08E-08	8.69E-09	9.57E-09	1.83E-08	1.05E-09	1.55E-09	2.60E-09	9.15E-10	9.55E-10	1.87E-09
2767	567054.57	4217190.01	9.51E-09	1.03E-08	1.98E-08	8.25E-09	9.08E-09	1.73E-08	9.97E-10	1.47E-09	2.47E-09	8.68E-10	9.06E-10	1.77E-09
2768	567043.01	4217187.45	9.78E-09	1.06E-08	2.03E-08	8.49E-09	9.35E-09	1.78E-08	1.03E-09	1.51E-09	2.54E-09	8.94E-10	9.33E-10	1.83E-09
2769	567019.91	4217182.33	1.05E-08	1.13E-08	2.18E-08	9.10E-09	1.00E-08	1.91E-08	1.10E-09	1.62E-09	2.72E-09	9.58E-10	1.00E-09	1.96E-09
2770	567008.35	4217179.77	1.09E-08	1.18E-08	2.27E-08	9.45E-09	1.04E-08	1.99E-08	1.14E-09	1.69E-09	2.83E-09	9.95E-10	1.04E-09	2.03E-09
2771	566996.8	4217177.21	1.13E-08	1.22E-08	2.36E-08	9.83E-09	1.08E-08	2.07E-08	1.19E-09	1.75E-09	2.94E-09	1.04E-09	1.08E-09	2.12E-09
2772	566985.24	4217174.65	1.18E-08	1.27E-08	2.46E-08	1.02E-08	1.13E-08	2.15E-08	1.24E-09	1.83E-09	3.07E-09	1.08E-09	1.13E-09	2.20E-09
2773	566973.69	4217172.08	1.23E-08	1.33E-08	2.56E-08	1.07E-08	1.18E-08	2.24E-08	1.29E-09	1.91E-09	3.20E-09	1.12E-09	1.17E-09	2.30E-09
2774	566939.03	4217164.4	1.38E-08	1.49E-08	2.87E-08	1.20E-08	1.32E-08	2.51E-08	1.45E-09	2.13E-09	3.58E-09	1.26E-09	1.31E-09	2.57E-09
2775	567098.71	4217179.36	1.12E-08	1.21E-08	2.33E-08	9.71E-09	1.07E-08	2.04E-08	1.17E-09	1.73E-09	2.91E-09	1.02E-09	1.07E-09	2.09E-09
2776	567088.11	4217185.19	1.02E-08	1.11E-08	2.13E-08	8.89E-09	9.79E-09	1.87E-08	1.07E-09	1.59E-09	2.66E-09	9.36E-10	9.77E-10	1.91E-09
2777	567077.51	4217191.03	9.51E-09	1.03E-08	1.98E-08	8.25E-09	9.08E-09	1.73E-08	9.97E-10	1.47E-09	2.47E-09	8.68E-10	9.06E-10	1.77E-09
2778	567066.91	4217196.87	8.92E-09	9.62E-09	1.85E-08	7.74E-09	8.52E-09	1.63E-08	9.35E-10	1.38E-09	2.32E-09	8.14E-10	8.50E-10	1.66E-09
2779	567055.9	4217199.89	8.65E-09	9.34E-09	1.80E-08	7.51E-09	8.26E-09	1.58E-08	9.08E-10	1.34E-09	2.25E-09	7.90E-10	8.25E-10	1.62E-09
2780	567044.09	4217197.27	8.89E-09	9.60E-09	1.85E-08	7.71E-09	8.49E-09	1.62E-08	9.32E-10	1.38E-09	2.31E-09	8.12E-10	8.47E-10	1.66E-09
2781	567020.46	4217192.03	9.49E-09	1.02E-08	1.97E-08	8.24E-09	9.07E-09	1.73E-08	9.96E-10	1.47E-09	2.47E-09	8.67E-10	9.05E-10	1.77E-09
2782	567008.64	4217189.41	9.84E-09	1.06E-08	2.05E-08	8.54E-09	9.40E-09	1.79E-08	1.03E-09	1.52E-09	2.56E-09	8.99E-10	9.38E-10	1.84E-09
2783	566996.83	4217186.8	1.02E-08	1.10E-08	2.13E-08	8.87E-09	9.77E-09	1.86E-08	1.07E-09	1.58E-09	2.65E-09	9.34E-10	9.74E-10	1.91E-09
2784	566985.02	4217184.18	1.06E-08	1.15E-08	2.21E-08	9.24E-09	1.02E-08	1.94E-08	1.12E-09	1.65E-09	2.76E-09	9.72E-10	1.01E-09	1.99E-09
2785	566973.2	4217181.56	1.11E-08	1.20E-08	2.31E-08	9.62E-09	1.06E-08	2.02E-08	1.16E-09	1.72E-09	2.88E-09	1.01E-09	1.06E-09	2.07E-09
2786	566937.76	4217173.71	1.25E-08	1.34E-08	2.59E-08	1.08E-08	1.19E-08	2.27E-08	1.31E-09	1.93E-09	3.24E-09	1.14E-09	1.19E-09	2.33E-09
2787	566925.94	4217171.09	1.29E-08	1.39E-08	2.68E-08	1.12E-08	1.23E-08	2.35E-08	1.35E-09	1.99E-09	3.35E-09	1.18E-09	1.23E-09	2.41E-09
2788	567096.35	4217191.33	9.77E-09	1.05E-08	2.03E-08	8.47E-09	9.33E-09	1.78E-08	1.02E-09	1.51E-09	2.54E-09	8.92E-10	9.31E-10	1.82E-09
2789	567085.83	4217197.13	9.04E-09	9.76E-09	1.88E-08	7.84E-09	8.63E-09	1.65E-08	9.48E-10	1.40E-09	2.35E-09	8.26E-10	8.62E-10	1.69E-09
2790	567075.3	4217202.93	8.46E-09	9.14E-09	1.76E-08	7.34E-09	8.08E-09	1.54E-08	8.88E-10	1.31E-09	2.20E-09	7.73E-10	8.07E-10	1.58E-09
2791	567064.77	4217208.73	8.00E-09	8.63E-09	1.66E-08	6.94E-09	7.64E-09	1.46E-08	8.39E-10	1.24E-09	2.08E-09	7.30E-10	7.62E-10	1.49E-09
2792	567053.44	4217208.92	7.98E-09	8.61E-09	1.66E-08	6.92E-09	7.62E-09	1.45E-08	8.37E-10	1.24E-09	2.07E-09	7.29E-10	7.61E-10	1.49E-09
2793	567041.7	4217206.32	8.19E-09	8.84E-09	1.70E-08	7.11E-09	7.82E-09	1.49E-08	8.59E-10	1.27E-09	2.13E-09	7.48E-10	7.81E-10	1.53E-09
2794	567018.23	4217201.12	8.71E-09	9.40E-09	1.81E-08	7.56E-09	8.32E-09	1.59E-08	9.14E-10	1.35E-09	2.26E-09	7.96E-10	8.30E-10	1.63E-09
2795	567006.5	4217198.52	9.01E-09	9.73E-09	1.87E-08	7.82E-09	8.61E-09	1.64E-08	9.45E-10	1.39E-09	2.34E-09	8.23E-10	8.59E-10	1.68E-09
2796	566994.77	4217195.92	9.34E-09	1.01E-08	1.94E-08	8.10E-09	8.92E-09	1.70E-08	9.80E-10	1.45E-09	2.43E-09	8.53E-10	8.90E-10	1.74E-09
2797	566983.03	4217193.32	9.70E-09	1.05E-08	2.02E-08	8.42E-09	9.27E-09	1.77E-08	1.02E-09	1.50E-09	2.52E-09	8.86E-10	9.25E-10	1.81E-09
2798	566971.3	4217190.72	1.01E-08	1.09E-08	2.10E-08	8.76E-09	9.64E-09	1.84E-08	1.06E-09	1.56E-09	2.62E-09	9.22E-10	9.62E-10	1.88E-09
2799	566947.83	4217185.52	1.09E-08	1.18E-08	2.27E-08	9.46E-09	1.04E-08	1.99E-08	1.14E-09	1.69E-09	2.83E-09	9.96E-10	1.04E-09	2.03E-09
2800	566936.09	4217182.92	1.13E-08	1.22E-08	2.35E-08	9.81E-09	1.08E-08	2.06E-08	1.19E-09	1.75E-09	2.94E-09	1.03E-09	1.08E-09	2.11E-09
2801	566924.36	4217180.32	1.17E-08	1.26E-08	2.43E-08	1.02E-08	1.12E-08	2.13E-08	1.23E-09	1.81E-09	3.04E-09	1.07E-09	1.12E-09	2.18E-09
2802	567101.05	4217199.43	9.09E-09	9.81E-09	1.89E-08	7.89E-09	8.68E-09	1.66E-08	9.54E-10	1.41E-09	2.36E-09	8.31E-10	8.67E-10	1.70E-09
2803	567090.59	4217205.19	8.43E-09	9.10E-09	1.75E-08	7.31E-09	8.05E-09	1.54E-08	8.84E-10	1.30E-09	2.19E-09	7.70E-10	8.03E-10	1.57E-09
2804	567080.12	4217210.95	7.90E-09	8.53E-09	1.64E-08	6.85E-09	7.55E-09	1.44E-08	8.29E-10	1.22E-09	2.05E-09	7.22E-10	7.53E-10	1.47E-09
2805	567069.66	4217216.71	7.48E-09	8.07E-09	1.55E-08	6.49E-09	7.14E-09	1.36E-08	7.84E-10	1.16E-09	1.94E-09	6.83E-10	7.12E-10	1.40E-09
2806	567058.79	4217219.69	7.28E-09	7.86E-09	1.51E-08	6.32E-09	6.95E-09	1.33E-08	7.64E-10	1.13E-09	1.89E-09	6.65E-10	6.94E-10	1.36E-09
2807	567047.13	4217217.11	7.45E-09	8.04E-09	1.55E-08	6.46E-09	7.11E-09	1.36E-08	7.81E-10	1.15E-09	1.93E-09	6.80E-10	7.10E-10	1.39E-09
2808	567023.81	4217211.94	7.87E-09	8.49E-09	1.64E-08	6.83E-09	7.51E-09	1.43E-08	8.25E-10	1.22E-09	2.04E-09	7.19E-10	7.50E-10	1.47E-09
2809	567012.14	4217209.36	8.11E-09	8.75E-09	1.69E-08	7.04E-09	7.75E-09	1.48E-08	8.51E-10	1.26E-09	2.11E-09	7.41E-10	7.73E-10	1.51E-09
2810	567000.48	4217206.77	8.38E-09	9.04E-09	1.74E-08	7.27E-09	8.00E-09	1.53E-08	8.79E-10	1.30E-09	2.18E-09	7.65E-10	7.99E-10	1.56E-09
2811	566988.82	4217204.19	8.67E-09	9.36E-09	1.80E-08	7.53E-09	8.28E-09	1.58E-08	9.10E-10	1.34E-09	2.25E-09	7.92E-10	8.27E-10	1.62E-09
2812	566977.16	4217201.6	9.00E-09	9.71E-09	1.87E-08	7.81E-09	8.60E-09	1.64E-08	9.44E-10	1.39E-09	2.34E-09	8.22E-10	8.58E-10	1.68E-09
2813	566965.49	4217199.02	9.34E-09	1.01E-08	1.94E-08	8.11E-09	8.92E-09	1.70E-08	9.80E-10	1.45E-09	2.43E-09	8.53E-10	8.91E-10	1.74E-09
2814	566942.17	4217193.85	1.01E-08	1.09E-08	2.09E-08	8.72E-09	9.60E-09	1.83E-08	1.05E-09	1.56E-09	2.61E-09	9.18E-10	9.58E-10	1.88E-09
2815	566930.5	4217191.26	1.04E-08	1.12E-08	2.17E-08	9.04E-09	9.95E-09	1.90E-08	1.09E-09	1.61E-09	2.71E-09	9.52E-10	9.93E-10	1.94E-09
2816	566918.84	4217188.68	1.08E-08	1.16E-08	2.24E-08	9.35E-09	1.03E-08	1.96E-08	1.13E-09	1.67E-09	2.80E-09	9.84E-10	1.03E-09	2.01E-09
2817	567098.79	4217211.35	8.07E-09	8.71E-09	1.68E-08	7.00E-09	7.71E-09	1.47E-08	8.46E-10	1.25E-09	2.10E-09	7.37E-10	7.69E-10	1.51E-09
2818	567088.38	4217217.08	7.55E-09	8.15E-09	1.57E-08	6.55E-09	7.21E-09	1.38E-08	7.92E-10	1.17E-09	1.96E-09	6.90E-10	7.20E-10	1.41E-09
2819	567077.98	4217222.81	7.13E-09	7.70E-09	1.48E-08	6.19E-09	6.81E-09	1.30E-08	7.48E-10	1.10E-09	1.85E-09	6.51E-10	6.80E-10	1.33E-09
2820	567067.57	4217228.54	6.78E-09	7.32E-09	1.41E-08	5.89E-09	6.48E-09	1.24E-08	7.11E-10	1.05E-09	1.76E-09	6.20E-10	6.47E-10	1.27E-09
2821	567056.37	4217228.74	6.77E-09	7.31E-09	1.41E-08	5.87E-09	6.47E-09	1.23E-08	7.10E-10	1.05E-09	1.76E-09	6.18E-10	6.45E-10	1.26E-09
2822	567044.77	4217226.17	6.92E-09	7.47E-09	1.44E-08	6.00E-09	6.61E-09	1.26E-08	7.26E-10	1.07E-09	1.80E-09	6.32E-10	6.59E-10	1.29E-09
2823	567021.58	4217221.03	7.28E-09	7.86E-09	1.51E-08	6.32E-09	6.96E-09	1.33E-08	7.64E-10	1.13E-09	1.89E-09	6.65E-10	6.94E-10	1.36E-09
2824	567009.98	4217218.46	7.50E-09	8.09E-09	1.56E-08	6.50E-09	7.16E-09	1.37E-08	7.86E-10	1.16E-09	1.95E-09	6.85E-10	7.15E-10	1.40E-09
2825	566998.38	4217215.89	7.73E-09	8.35E-09	1.61E-08	6.71E-09	7.38E-09	1.41E-08	8.11E-10	1.20E-09	2.01E-09	7.06E-10	7.37E-10	1.44E-09
2826	566986.78	4217213.32	7.99E-09	8.62E-09	1.66E-08	6.93E-09	7.63E-09	1.46E-08	8.38E-10	1.24E-09	2.07E-09	7.30E-10	7.61E-10	1.49E-09
2827	566975.18	4217210.75	8.27E-09	8.93E-09	1.72E-08	7.17E-09	7.90E-09	1.51E-08	8.67E-10	1.28E-09	2.15E-09	7.55E-10	7.88E-10	1.54E-09
2828	566940.39	4217203.04	9.19E-09	9.92E-09	1.91E-08	7.97E-09	8.78E-09	1.68E-08	9.64E-10	1.42E-09	2.39E-09	8.39E-10	8.76E-10	1.72E-09
2829	566928.79	4217200.47	9.52E-09	1.03E-08	1.98E-08	8.26E-09	9.09E-09	1.73E-08	9.98E-10	1.47E-09	2.47E-09	8.69E-10	9.07E-10	1.78E-09
2830	566917.19	4217197.9	9.85E-09	1.06E-08	2.05E-08	8.55E-09	9.41E-09	1.80E-08	1.03E-09	1.52E-09	2.56E-09	9.00E-10	9.39E-10	1.84E-09
2831	567097.32	4217222.84	7.27E-09	7.84E-09	1.51E-08	6.30E-09	6.94E-09	1.32E-08	7.62E-10	1.12E-09	1.89E-09	6.64E-10	6.93E-10	1.36E-09
2832	567086.72	4217228.68	6.84E-09	7.38E-09	1.42E-08	5.93E-09	6.53E-09	1.25E-08	7.17E-10	1.06E-09	1.78E-09	6.25E-10	6.52E-10	1.28E-09
2833	567076.12	4217234.52	6.49E-09	7.00E-09	1.35E-08	5.63E-09	6.20E-09	1.18E-08	6.81E-10	1.00E-09	1.68E-09	5.93E-10	6.18E-10	1.21E-09
2834	567061.59	4217239.48	6.23E-09	6.73E-09	1.30E-08	5.41E-09	5.95E-09	1.14E-08	6.54E-10	9.65E-10	1.62E-09	5.69E-10	5.94E-10	1.16E-09
2835	567049.77	4217236.86	6.36E-09	6.87E-09	1.32E-08	5.52E-09	6.08E-09	1.16E-08	6.67E-10	9.85E-10	1.65E-09	5.81E-10	6.06E-10	1.19E-09
2836	567026.14	4217231.63	6.67E-09	7.20E-09	1.39E-08	5.78E-09	6.37E-09	1.21E-08	6.99E-10	1.03E-09	1.73E-09	6.09E-10	6.35E-10	1.24E-09

2837	567014.33	4217229.01	6.85E-09	7.39E-09	1.42E-08	5.94E-09	6.54E-09	1.25E-08	7.18E-10	1.06E-09	1.78E-09	6.26E-10	6.53E-10	1.28E-09
2838	567002.52	4217226.39	7.05E-09	7.61E-09	1.47E-08	6.12E-09	6.73E-09	1.28E-08	7.39E-10	1.09E-09	1.83E-09	6.44E-10	6.72E-10	1.32E-09
2839	566990.7	4217223.77	7.27E-09	7.85E-09	1.51E-08	6.31E-09	6.94E-09	1.32E-08	7.62E-10	1.12E-09	1.89E-09	6.64E-10	6.93E-10	1.36E-09
2840	566978.89	4217221.15	7.50E-09	8.10E-09	1.56E-08	6.51E-09	7.17E-09	1.37E-08	7.87E-10	1.16E-09	1.95E-09	6.85E-10	7.15E-10	1.40E-09
2841	566967.07	4217218.54	7.76E-09	8.38E-09	1.61E-08	6.73E-09	7.41E-09	1.41E-08	8.14E-10	1.20E-09	2.02E-09	7.09E-10	7.40E-10	1.45E-09
2842	566943.44	4217213.3	8.32E-09	8.98E-09	1.73E-08	7.22E-09	7.94E-09	1.52E-08	8.72E-10	1.29E-09	2.16E-09	7.60E-10	7.93E-10	1.55E-09
2843	566931.63	4217210.68	8.61E-09	9.30E-09	1.79E-08	7.47E-09	8.23E-09	1.57E-08	9.03E-10	1.33E-09	2.24E-09	7.87E-10	8.21E-10	1.61E-09
2844	566919.82	4217208.06	8.92E-09	9.63E-09	1.86E-08	7.74E-09	8.52E-09	1.63E-08	9.36E-10	1.38E-09	2.32E-09	8.15E-10	8.50E-10	1.67E-09
2845	566908	4217205.44	9.23E-09	9.97E-09	1.92E-08	8.01E-09	8.82E-09	1.68E-08	9.69E-10	1.43E-09	2.40E-09	8.43E-10	8.80E-10	1.72E-09
2846	567091.54	4217236.71	6.44E-09	6.95E-09	1.34E-08	5.59E-09	6.15E-09	1.17E-08	6.75E-10	9.97E-10	1.67E-09	5.88E-10	6.14E-10	1.20E-09
2847	567081	4217242.51	6.12E-09	6.60E-09	1.27E-08	5.31E-09	5.84E-09	1.12E-08	6.42E-10	9.47E-10	1.59E-09	5.59E-10	5.83E-10	1.14E-09
2848	567070.46	4217248.32	5.84E-09	6.31E-09	1.21E-08	5.07E-09	5.58E-09	1.06E-08	6.13E-10	9.04E-10	1.52E-09	5.34E-10	5.57E-10	1.09E-09
2849	567059.11	4217248.52	5.83E-09	6.29E-09	1.21E-08	5.06E-09	5.57E-09	1.06E-08	6.12E-10	9.02E-10	1.51E-09	5.33E-10	5.56E-10	1.09E-09
2850	567047.37	4217245.91	5.95E-09	6.42E-09	1.24E-08	5.16E-09	5.68E-09	1.08E-08	6.24E-10	9.21E-10	1.55E-09	5.44E-10	5.67E-10	1.11E-09
2851	567023.87	4217240.71	6.22E-09	6.72E-09	1.29E-08	5.40E-09	5.94E-09	1.13E-08	6.53E-10	9.63E-10	1.62E-09	5.68E-10	5.93E-10	1.16E-09
2852	567012.13	4217238.1	6.38E-09	6.89E-09	1.33E-08	5.54E-09	6.10E-09	1.16E-08	6.70E-10	9.88E-10	1.66E-09	5.83E-10	6.09E-10	1.19E-09
2853	567000.38	4217235.5	6.56E-09	7.08E-09	1.36E-08	5.69E-09	6.27E-09	1.20E-08	6.88E-10	1.02E-09	1.70E-09	5.99E-10	6.25E-10	1.22E-09
2854	566988.63	4217232.9	6.75E-09	7.29E-09	1.40E-08	5.86E-09	6.45E-09	1.23E-08	7.08E-10	1.04E-09	1.75E-09	6.17E-10	6.43E-10	1.26E-09
2855	566976.89	4217230.29	6.95E-09	7.51E-09	1.45E-08	6.03E-09	6.64E-09	1.27E-08	7.29E-10	1.08E-09	1.81E-09	6.35E-10	6.63E-10	1.30E-09
2856	566965.14	4217227.69	7.17E-09	7.74E-09	1.49E-08	6.22E-09	6.85E-09	1.31E-08	7.52E-10	1.11E-09	1.86E-09	6.55E-10	6.84E-10	1.34E-09
2857	566941.64	4217222.48	7.67E-09	8.28E-09	1.59E-08	6.65E-09	7.32E-09	1.40E-08	8.04E-10	1.19E-09	1.99E-09	7.00E-10	7.31E-10	1.43E-09
2858	566929.9	4217219.88	7.93E-09	8.56E-09	1.65E-08	6.88E-09	7.58E-09	1.45E-08	8.32E-10	1.23E-09	2.06E-09	7.25E-10	7.56E-10	1.48E-09
2859	566918.15	4217217.28	8.21E-09	8.86E-09	1.71E-08	7.12E-09	7.84E-09	1.50E-08	8.61E-10	1.27E-09	2.13E-09	7.50E-10	7.83E-10	1.53E-09
2860	566906.4	4217214.67	8.49E-09	9.17E-09	1.77E-08	7.37E-09	8.11E-09	1.55E-08	8.91E-10	1.31E-09	2.21E-09	7.76E-10	8.10E-10	1.59E-09
2861	567089.34	4217248.6	5.87E-09	6.34E-09	1.22E-08	5.09E-09	5.61E-09	1.07E-08	6.16E-10	9.09E-10	1.52E-09	5.36E-10	5.60E-10	1.10E-09
2862	567078.85	4217254.38	5.61E-09	6.05E-09	1.17E-08	4.86E-09	5.35E-09	1.02E-08	5.88E-10	8.68E-10	1.46E-09	5.12E-10	5.34E-10	1.05E-09
2863	567064.47	4217259.29	5.40E-09	5.83E-09	1.12E-08	4.69E-09	5.16E-09	9.85E-09	5.67E-10	8.37E-10	1.40E-09	4.94E-10	5.15E-10	1.01E-09
2864	567052.79	4217256.7	5.51E-09	5.94E-09	1.14E-08	4.78E-09	5.26E-09	1.00E-08	5.77E-10	8.52E-10	1.43E-09	5.03E-10	5.25E-10	1.03E-09
2865	567041.1	4217254.11	5.62E-09	6.07E-09	1.17E-08	4.88E-09	5.37E-09	1.02E-08	5.89E-10	8.70E-10	1.46E-09	5.13E-10	5.36E-10	1.05E-09
2866	567017.73	4217248.93	5.88E-09	6.34E-09	1.22E-08	5.10E-09	5.61E-09	1.07E-08	6.16E-10	9.10E-10	1.53E-09	5.37E-10	5.60E-10	1.10E-09
2867	567006.04	4217246.34	6.02E-09	6.50E-09	1.25E-08	5.23E-09	5.75E-09	1.10E-08	6.32E-10	9.32E-10	1.56E-09	5.50E-10	5.74E-10	1.12E-09
2868	566994.36	4217243.75	6.18E-09	6.67E-09	1.29E-08	5.36E-09	5.91E-09	1.13E-08	6.48E-10	9.57E-10	1.61E-09	5.65E-10	5.89E-10	1.15E-09
2869	566982.67	4217241.16	6.35E-09	6.85E-09	1.32E-08	5.51E-09	6.06E-09	1.16E-08	6.66E-10	9.83E-10	1.65E-09	5.80E-10	6.05E-10	1.18E-09
2870	566970.99	4217238.57	6.53E-09	7.05E-09	1.36E-08	5.66E-09	6.23E-09	1.19E-08	6.85E-10	1.01E-09	1.69E-09	5.96E-10	6.22E-10	1.22E-09
2871	566947.61	4217233.39	6.94E-09	7.49E-09	1.44E-08	6.02E-09	6.63E-09	1.27E-08	7.28E-10	1.07E-09	1.80E-09	6.34E-10	6.62E-10	1.30E-09
2872	566935.93	4217230.8	7.17E-09	7.74E-09	1.49E-08	6.22E-09	6.85E-09	1.31E-08	7.52E-10	1.11E-09	1.86E-09	6.55E-10	6.84E-10	1.34E-09
2873	566924.24	4217228.21	7.41E-09	8.00E-09	1.54E-08	6.43E-09	7.08E-09	1.35E-08	7.78E-10	1.15E-09	1.93E-09	6.77E-10	7.07E-10	1.38E-09
2874	566912.56	4217225.62	7.67E-09	8.27E-09	1.59E-08	6.65E-09	7.32E-09	1.40E-08	8.04E-10	1.19E-09	1.99E-09	7.00E-10	7.31E-10	1.43E-09
2875	566900.87	4217223.03	7.92E-09	8.55E-09	1.65E-08	6.88E-09	7.57E-09	1.44E-08	8.31E-10	1.23E-09	2.06E-09	7.24E-10	7.55E-10	1.48E-09
2876	567087.18	4217260.47	5.39E-09	5.82E-09	1.12E-08	4.67E-09	5.15E-09	9.82E-09	5.65E-10	8.34E-10	1.40E-09	4.92E-10	5.13E-10	1.01E-09
2877	567076.74	4217266.22	5.16E-09	5.57E-09	1.07E-08	4.48E-09	4.93E-09	9.41E-09	5.41E-10	7.99E-10	1.34E-09	4.72E-10	4.92E-10	9.64E-10
2878	567065.91	4217269.19	5.06E-09	5.46E-09	1.05E-08	4.39E-09	4.83E-09	9.22E-09	5.30E-10	7.83E-10	1.31E-09	4.62E-10	4.82E-10	9.44E-10
2879	567054.28	4217266.61	5.15E-09	5.55E-09	1.07E-08	4.46E-09	4.91E-09	9.38E-09	5.40E-10	7.96E-10	1.34E-09	4.70E-10	4.90E-10	9.60E-10
2880	567042.65	4217264.03	5.25E-09	5.67E-09	1.09E-08	4.55E-09	5.01E-09	9.57E-09	5.50E-10	8.12E-10	1.36E-09	4.79E-10	5.00E-10	9.80E-10
2881	567019.39	4217258.88	5.48E-09	5.91E-09	1.14E-08	4.75E-09	5.23E-09	9.98E-09	5.74E-10	8.48E-10	1.42E-09	5.00E-10	5.22E-10	1.02E-09
2882	567007.76	4217256.3	5.60E-09	6.05E-09	1.17E-08	4.86E-09	5.35E-09	1.02E-08	5.88E-10	8.67E-10	1.46E-09	5.12E-10	5.34E-10	1.05E-09
2883	566996.13	4217253.73	5.74E-09	6.20E-09	1.19E-08	4.98E-09	5.48E-09	1.05E-08	6.02E-10	8.89E-10	1.49E-09	5.24E-10	5.47E-10	1.07E-09
2884	566984.51	4217251.15	5.88E-09	6.35E-09	1.22E-08	5.10E-09	5.62E-09	1.07E-08	6.17E-10	9.11E-10	1.53E-09	5.37E-10	5.61E-10	1.10E-09
2885	566972.88	4217248.57	6.04E-09	6.51E-09	1.25E-08	5.24E-09	5.76E-09	1.10E-08	6.33E-10	9.34E-10	1.57E-09	5.51E-10	5.75E-10	1.13E-09
2886	566937.99	4217240.84	6.59E-09	7.11E-09	1.37E-08	5.71E-09	6.29E-09	1.20E-08	6.91E-10	1.02E-09	1.71E-09	6.02E-10	6.28E-10	1.23E-09
2887	566926.36	4217238.26	6.80E-09	7.34E-09	1.41E-08	5.90E-09	6.49E-09	1.24E-08	7.13E-10	1.05E-09	1.77E-09	6.21E-10	6.48E-10	1.27E-09
2888	566914.73	4217235.69	7.02E-09	7.58E-09	1.46E-08	6.09E-09	6.71E-09	1.28E-08	7.36E-10	1.09E-09	1.82E-09	6.41E-10	6.69E-10	1.31E-09
2889	566903.1	4217233.11	7.25E-09	7.83E-09	1.51E-08	6.29E-09	6.93E-09	1.32E-08	7.61E-10	1.12E-09	1.88E-09	6.62E-10	6.91E-10	1.35E-09
2890	566891.47	4217230.53	7.49E-09	8.08E-09	1.56E-08	6.50E-09	7.15E-09	1.37E-08	7.86E-10	1.16E-09	1.94E-09	6.84E-10	7.14E-10	1.40E-09
2891	567016.08	4217267.73	5.17E-09	5.58E-09	1.07E-08	4.48E-09	4.94E-09	9.42E-09	5.42E-10	8.00E-10	1.34E-09	4.72E-10	4.93E-10	9.65E-10
2892	567004.26	4217265.11	5.28E-09	5.70E-09	1.10E-08	4.58E-09	5.05E-09	9.63E-09	5.54E-10	8.18E-10	1.37E-09	4.83E-10	5.04E-10	9.86E-10
2893	566992.45	4217262.49	5.41E-09	5.84E-09	1.12E-08	4.69E-09	5.17E-09	9.86E-09	5.67E-10	8.37E-10	1.40E-09	4.94E-10	5.16E-10	1.01E-09
2894	566980.63	4217259.87	5.54E-09	5.98E-09	1.15E-08	4.80E-09	5.29E-09	1.01E-08	5.81E-10	8.57E-10	1.44E-09	5.06E-10	5.28E-10	1.03E-09
2895	566968.82	4217257.26	5.67E-09	6.12E-09	1.18E-08	4.92E-09	5.42E-09	1.03E-08	5.95E-10	8.78E-10	1.47E-09	5.18E-10	5.41E-10	1.06E-09
2896	566945.19	4217252.02	6.00E-09	6.47E-09	1.25E-08	5.20E-09	5.73E-09	1.09E-08	6.29E-10	9.28E-10	1.56E-09	5.48E-10	5.71E-10	1.12E-09
2897	566933.38	4217249.4	6.18E-09	6.67E-09	1.28E-08	5.36E-09	5.90E-09	1.13E-08	6.48E-10	9.56E-10	1.60E-09	5.64E-10	5.89E-10	1.15E-09
2898	566921.56	4217246.78	6.37E-09	6.88E-09	1.33E-08	5.53E-09	6.09E-09	1.16E-08	6.68E-10	9.86E-10	1.65E-09	5.82E-10	6.07E-10	1.19E-09
2899	566909.75	4217244.17	6.58E-09	7.10E-09	1.37E-08	5.71E-09	6.28E-09	1.20E-08	6.90E-10	1.02E-09	1.71E-09	6.01E-10	6.27E-10	1.23E-09
2900	566897.94	4217241.55	6.79E-09	7.33E-09	1.41E-08	5.89E-09	6.49E-09	1.24E-08	7.12E-10	1.05E-09	1.76E-09	6.20E-10	6.47E-10	1.27E-09
2901	566974.66	4217268.13	5.24E-09	5.66E-09	1.09E-08	4.55E-09	5.01E-09	9.56E-09	5.50E-10	8.11E-10	1.36E-09	4.79E-10	5.00E-10	9.79E-10
2902	566962.91	4217265.53	5.37E-09	5.79E-09	1.12E-08	4.66E-09	5.13E-09	9.78E-09	5.63E-10	8.31E-10	1.39E-09	4.90E-10	5.12E-10	1.00E-09
2903	566939.39	4217260.32	5.66E-09	6.11E-09	1.18E-08	4.91E-09	5.41E-09	1.03E-08	5.94E-10	8.76E-10	1.47E-09	5.17E-10	5.39E-10	1.06E-09
2904	566927.64	4217257.71	5.82E-09	6.29E-09	1.21E-08	5.05E-09	5.56E-09	1.06E-08	6.11E-10	9.02E-10	1.51E-09	5.32E-10	5.55E-10	1.09E-09
2905	566915.88	4217255.11	6.00E-09	6.48E-09	1.25E-08	5.21E-09	5.73E-09	1.09E-08	6.29E-10	9.29E-10	1.56E-09	5.48E-10	5.72E-10	1.12E-09
2906	566904.13	4217252.5	6.19E-09	6.68E-09	1.29E-08	5.37E-09	5.91E-09	1.13E-08	6.49E-10	9.58E-10	1.61E-09	5.65E-10	5.90E-10	1.15E-09
2907	566892.37	4217249.9	6.38E-09	6.89E-09	1.33E-08	5.54E-09	6.10E-09	1.16E-08	6.70E-10	9.88E-10	1.66E-09	5.83E-10	6.08E-10	1.19E-09

2908	567088.05	4217292.03	4.38E-09	4.73E-09	9.11E-09	3.80E-09	4.18E-09	7.98E-09	4.59E-10	6.78E-10	1.14E-09	4.00E-10	4.17E-10	8.17E-10
2909	567077.55	4217297.82	4.22E-09	4.56E-09	8.78E-09	3.67E-09	4.04E-09	7.70E-09	4.43E-10	6.54E-10	1.10E-09	3.86E-10	4.03E-10	7.89E-10
2910	567066.25	4217298.01	4.23E-09	4.56E-09	8.79E-09	3.67E-09	4.04E-09	7.70E-09	4.43E-10	6.54E-10	1.10E-09	3.86E-10	4.03E-10	7.89E-10
2911	567054.55	4217295.42	4.30E-09	4.64E-09	8.94E-09	3.73E-09	4.11E-09	7.84E-09	4.51E-10	6.66E-10	1.12E-09	3.93E-10	4.10E-10	8.03E-10
2912	567042.85	4217292.83	4.38E-09	4.73E-09	9.11E-09	3.80E-09	4.18E-09	7.99E-09	4.60E-10	6.78E-10	1.14E-09	4.00E-10	4.18E-10	8.18E-10
2913	566925.82	4217266.89	5.45E-09	5.88E-09	1.13E-08	4.73E-09	5.21E-09	9.94E-09	5.72E-10	8.44E-10	1.42E-09	4.98E-10	5.20E-10	1.02E-09
2914	566914.12	4217264.3	5.61E-09	6.05E-09	1.17E-08	4.86E-09	5.36E-09	1.02E-08	5.88E-10	8.68E-10	1.46E-09	5.12E-10	5.34E-10	1.05E-09
2915	566902.41	4217261.71	5.77E-09	6.23E-09	1.20E-08	5.01E-09	5.51E-09	1.05E-08	6.06E-10	8.94E-10	1.50E-09	5.27E-10	5.50E-10	1.08E-09
2916	566890.71	4217259.11	5.95E-09	6.42E-09	1.24E-08	5.16E-09	5.68E-09	1.08E-08	6.24E-10	9.21E-10	1.55E-09	5.44E-10	5.67E-10	1.11E-09
2917	567092.9	4217300.05	4.18E-09	4.51E-09	8.68E-09	3.62E-09	3.99E-09	7.61E-09	4.38E-10	6.46E-10	1.08E-09	3.81E-10	3.98E-10	7.79E-10
2918	567082.44	4217305.8	4.03E-09	4.35E-09	8.38E-09	3.50E-09	3.85E-09	7.35E-09	4.23E-10	6.24E-10	1.05E-09	3.68E-10	3.84E-10	7.53E-10
2919	567071.59	4217308.78	3.97E-09	4.28E-09	8.25E-09	3.44E-09	3.79E-09	7.23E-09	4.16E-10	6.14E-10	1.03E-09	3.62E-10	3.78E-10	7.40E-10
2920	567059.94	4217306.2	4.03E-09	4.35E-09	8.39E-09	3.50E-09	3.85E-09	7.35E-09	4.23E-10	6.24E-10	1.05E-09	3.68E-10	3.84E-10	7.53E-10
2921	567048.28	4217303.62	4.11E-09	4.43E-09	8.54E-09	3.56E-09	3.92E-09	7.48E-09	4.31E-10	6.36E-10	1.07E-09	3.75E-10	3.91E-10	7.66E-10
2922	567024.98	4217298.45	4.26E-09	4.60E-09	8.86E-09	3.70E-09	4.07E-09	7.77E-09	4.47E-10	6.60E-10	1.11E-09	3.89E-10	4.06E-10	7.96E-10
2923	567013.32	4217295.87	4.34E-09	4.69E-09	9.03E-09	3.77E-09	4.15E-09	7.91E-09	4.55E-10	6.72E-10	1.13E-09	3.96E-10	4.14E-10	8.10E-10
2924	567001.67	4217293.29	4.42E-09	4.77E-09	9.19E-09	3.84E-09	4.22E-09	8.06E-09	4.64E-10	6.84E-10	1.15E-09	4.04E-10	4.21E-10	8.25E-10
2925	566896.79	4217270.05	5.45E-09	5.88E-09	1.13E-08	4.73E-09	5.21E-09	9.94E-09	5.72E-10	8.44E-10	1.42E-09	4.98E-10	5.20E-10	1.02E-09
2926	566873.49	4217264.88	5.79E-09	6.24E-09	1.20E-08	5.02E-09	5.53E-09	1.05E-08	6.07E-10	8.95E-10	1.50E-09	5.28E-10	5.51E-10	1.08E-09
2927	566984.36	4217075.23	4.66E-08	5.03E-08	9.69E-08	4.04E-08	4.45E-08	8.50E-08	4.89E-09	7.22E-09	1.21E-08	4.26E-09	4.44E-09	8.70E-09
2928	566921.49	4217140.18	1.81E-08	1.95E-08	3.75E-08	1.57E-08	1.72E-08	3.29E-08	1.89E-09	2.79E-09	4.69E-09	1.65E-09	1.72E-09	3.37E-09
2929	566915.24	4217147.99	1.65E-08	1.78E-08	3.44E-08	1.43E-08	1.58E-08	3.01E-08	1.73E-09	2.56E-09	4.29E-09	1.51E-09	1.58E-09	3.09E-09
2930	566908.99	4217155.79	1.52E-08	1.64E-08	3.16E-08	1.32E-08	1.45E-08	2.77E-08	1.59E-09	2.35E-09	3.94E-09	1.39E-09	1.45E-09	2.83E-09
2931	566871.81	4217215.7	8.64E-09	9.32E-09	1.80E-08	7.49E-09	8.25E-09	1.57E-08	9.06E-10	1.34E-09	2.24E-09	7.89E-10	8.23E-10	1.61E-09
2932	566865.55	4217223.5	8.11E-09	8.75E-09	1.69E-08	7.03E-09	7.75E-09	1.48E-08	8.50E-10	1.26E-09	2.11E-09	7.41E-10	7.73E-10	1.51E-09
2933	566941.1	4216986.91	9.23E-08	9.97E-08	1.92E-07	8.01E-08	8.82E-08	1.68E-07	9.69E-09	1.43E-08	2.40E-08	8.43E-09	8.80E-09	1.72E-08
2934	567105.11	4217057.3	1.86E-07	2.01E-07	3.87E-07	1.61E-07	1.78E-07	3.39E-07	1.95E-08	2.88E-08	4.83E-08	1.70E-08	1.77E-08	3.47E-08
2935	567123.77	4217062.54	1.78E-07	1.92E-07	3.70E-07	1.54E-07	1.70E-07	3.24E-07	1.87E-08	2.75E-08	4.62E-08	1.62E-08	1.70E-08	3.32E-08
2936	567133.1	4217065.16	1.72E-07	1.85E-07	3.57E-07	1.49E-07	1.64E-07	3.13E-07	1.80E-08	2.66E-08	4.46E-08	1.57E-08	1.64E-08	3.21E-08
2937	567121.07	4217072.17	1.17E-07	1.26E-07	2.43E-07	1.02E-07	1.12E-07	2.13E-07	1.23E-08	1.81E-08	3.04E-08	1.07E-08	1.12E-08	2.18E-08
2938	567130.4	4217074.79	1.16E-07	1.25E-07	2.41E-07	1.01E-07	1.11E-07	2.12E-07	1.22E-08	1.80E-08	3.02E-08	1.06E-08	1.11E-08	2.17E-08
2939	566971.93	4217095.26	3.36E-08	3.63E-08	6.99E-08	2.92E-08	3.21E-08	6.13E-08	3.53E-09	5.21E-09	8.73E-09	3.07E-09	3.21E-09	6.28E-09
2940	566934.25	4217088.37	3.35E-08	3.62E-08	6.97E-08	2.91E-08	3.20E-08	6.11E-08	3.52E-09	5.19E-09	8.70E-09	3.06E-09	3.19E-09	6.26E-09
2941	566937.86	4217114.93	2.45E-08	2.65E-08	5.10E-08	2.13E-08	2.34E-08	4.47E-08	2.57E-09	3.80E-09	6.37E-09	2.24E-09	2.34E-09	4.58E-09
2942	566923.51	4217103.3	2.74E-08	2.96E-08	5.70E-08	2.38E-08	2.62E-08	5.00E-08	2.87E-09	4.24E-09	7.12E-09	2.50E-09	2.61E-09	5.12E-09
2943	566892.71	4216996.09	5.60E-08	6.05E-08	1.17E-07	4.86E-08	5.35E-08	1.02E-07	5.88E-09	8.67E-09	1.46E-08	5.12E-09	5.34E-09	1.05E-08
2944	566874.6	4217000.12	4.80E-08	5.18E-08	9.98E-08	4.16E-08	4.58E-08	8.75E-08	5.03E-09	7.43E-09	1.25E-08	4.38E-09	4.58E-09	8.96E-09
2945	566828.79	4217003.34	3.49E-08	3.76E-08	7.25E-08	3.03E-08	3.33E-08	6.36E-08	3.66E-09	5.40E-09	9.06E-09	3.19E-09	3.32E-09	6.51E-09
2946	566887.02	4217191.93	1.06E-08	1.15E-08	2.21E-08	9.21E-09	1.01E-08	1.93E-08	1.11E-09	1.64E-09	2.76E-09	9.70E-10	1.01E-09	1.98E-09
2947	566872.25	4217179.96	1.19E-08	1.28E-08	2.47E-08	1.03E-08	1.14E-08	2.17E-08	1.25E-09	1.84E-09	3.09E-09	1.09E-09	1.13E-09	2.22E-09
2948	566801.76	4217011.12	2.93E-08	3.16E-08	6.08E-08	2.54E-08	2.79E-08	5.33E-08	3.07E-09	4.53E-09	7.60E-09	2.67E-09	2.79E-09	5.46E-09
2949	567053.43	4217312.85	3.89E-09	4.20E-09	8.09E-09	3.38E-09	3.72E-09	7.09E-09	4.08E-10	6.02E-10	1.01E-09	3.55E-10	3.71E-10	7.26E-10
2950	567062.76	4217315.47	3.83E-09	4.13E-09	7.96E-09	3.32E-09	3.65E-09	6.97E-09	4.01E-10	5.92E-10	9.93E-10	3.49E-10	3.65E-10	7.14E-10
2951	567072.09	4217318.09	3.76E-09	4.06E-09	7.83E-09	3.27E-09	3.60E-09	6.86E-09	3.95E-10	5.83E-10	9.78E-10	3.44E-10	3.59E-10	7.03E-10
2952	566852.55	4217211.27	9.06E-09	9.77E-09	1.88E-08	7.86E-09	8.65E-09	1.65E-08	9.50E-10	1.40E-09	2.35E-09	8.27E-10	8.63E-10	1.69E-09
2953	566966.74	4217298.87	4.32E-09	4.67E-09	8.99E-09	3.75E-09	4.13E-09	7.88E-09	4.53E-10	6.69E-10	1.12E-09	3.95E-10	4.12E-10	8.07E-10
2954	566976.07	4217301.49	4.24E-09	4.58E-09	8.82E-09	3.68E-09	4.05E-09	7.74E-09	4.45E-10	6.57E-10	1.10E-09	3.88E-10	4.04E-10	7.92E-10
2955	566985.4	4217304.12	4.17E-09	4.50E-09	8.67E-09	3.62E-09	3.98E-09	7.60E-09	4.37E-10	6.45E-10	1.08E-09	3.81E-10	3.97E-10	7.78E-10
2956	566994.73	4217306.74	4.09E-09	4.42E-09	8.51E-09	3.55E-09	3.91E-09	7.46E-09	4.29E-10	6.34E-10	1.06E-09	3.74E-10	3.90E-10	7.64E-10
2957	567004.06	4217309.36	4.03E-09	4.35E-09	8.37E-09	3.49E-09	3.85E-09	7.34E-09	4.22E-10	6.23E-10	1.05E-09	3.68E-10	3.84E-10	7.51E-10
2958	567013.4	4217311.98	3.96E-09	4.27E-09	8.23E-09	3.43E-09	3.78E-09	7.21E-09	4.15E-10	6.13E-10	1.03E-09	3.62E-10	3.77E-10	7.39E-10
2959	567022.73	4217314.61	3.89E-09	4.20E-09	8.09E-09	3.38E-09	3.72E-09	7.09E-09	4.08E-10	6.02E-10	1.01E-09	3.55E-10	3.71E-10	7.26E-10
2960	567041.39	4217319.85	3.76E-09	4.06E-09	7.81E-09	3.26E-09	3.59E-09	6.85E-09	3.94E-10	5.82E-10	9.76E-10	3.43E-10	3.58E-10	7.01E-10
2961	567050.72	4217322.47	3.69E-09	3.99E-09	7.68E-09	3.20E-09	3.53E-09	6.73E-09	3.87E-10	5.72E-10	9.59E-10	3.37E-10	3.52E-10	6.89E-10
2962	567060.05	4217325.1	3.63E-09	3.92E-09	7.55E-09	3.15E-09	3.47E-09	6.62E-09	3.81E-10	5.62E-10	9.43E-10	3.32E-10	3.46E-10	6.78E-10
2963	567069.39	4217327.72	3.58E-09	3.86E-09	7.43E-09	3.10E-09	3.42E-09	6.52E-09	3.75E-10	5.53E-10	9.28E-10	3.27E-10	3.41E-10	6.67E-10
2964	566947.27	4217299.85	4.33E-09	4.67E-09	9.00E-09	3.75E-09	4.13E-09	7.89E-09	4.54E-10	6.70E-10	1.12E-09	3.95E-10	4.13E-10	8.08E-10
2965	566939.83	4217293.83	4.51E-09	4.86E-09	9.37E-09	3.91E-09	4.30E-09	8.21E-09	4.73E-10	6.98E-10	1.17E-09	4.12E-10	4.30E-10	8.41E-10
2966	566765.45	4217018.17	2.39E-08	2.58E-08	4.96E-08	2.07E-08	2.28E-08	4.35E-08	2.50E-09	3.69E-09	6.20E-09	2.18E-09	2.27E-09	4.45E-09
2967	566964.03	4217308.5	4.09E-09	4.42E-09	8.51E-09	3.55E-09	3.91E-09	7.46E-09	4.29E-10	6.33E-10	1.06E-09	3.74E-10	3.90E-10	7.64E-10
2968	566973.36	4217311.12	4.02E-09	4.34E-09	8.36E-09	3.49E-09	3.84E-09	7.33E-09	4.22E-10	6.22E-10	1.04E-09	3.67E-10	3.83E-10	7.50E-10
2969	566982.7	4217313.74	3.95E-09	4.26E-09	8.22E-09	3.43E-09	3.77E-09	7.20E-09	4.14E-10	6.12E-10	1.03E-09	3.61E-10	3.77E-10	7.38E-10
2970	566992.03	4217316.36	3.88E-09	4.19E-09	8.08E-09	3.37E-09	3.71E-09	7.08E-09	4.07E-10	6.01E-10	1.01E-09	3.55E-10	3.70E-10	7.25E-10
2971	567001.36	4217318.99	3.82E-09	4.12E-09	7.94E-09	3.31E-09	3.65E-09	6.96E-09	4.01E-10	5.91E-10	9.92E-10	3.49E-10	3.64E-10	7.13E-10
2972	567010.69	4217321.61	3.76E-09	4.06E-09	7.81E-09	3.26E-09	3.59E-09	6.85E-09	3.94E-10	5.82E-10	9.76E-10	3.43E-10	3.58E-10	7.01E-10
2973	567020.02	4217324.23	3.69E-09	3.99E-09	7.68E-09	3.21E-09	3.53E-09	6.73E-09	3.88E-10	5.72E-10	9.59E-10	3.37E-10	3.52E-10	6.90E-10
2974	567038.69	4217329.48	3.57E-09	3.86E-09	7.43E-09	3.10E-09	3.41E-09	6.51E-09	3.75E-10	5.53E-10	9.28E-10	3.26E-10	3.40E-10	6.67E-10
2975	567048.02	4217332.1	3.51E-09	3.79E-09	7.30E-09	3.05E-09	3.36E-09	6.40E-09	3.68E-10	5.44E-10	9.12E-10	3.21E-10	3.35E-10	6.56E-10
2976	567057.35	4217334.72	3.46E-09	3.73E-09	7.19E-09	3.00E-09	3.30E-09	6.30E-09	3.62E-10	5.35E-10	8.97E-10	3.16E-10	3.29E-10	6.45E-10
2977	567066.68	4217337.34	3.40E-09	3.67E-09	7.08E-09	2.95E-09	3.25E-09	6.20E-09	3.57E-10	5.27E-10	8.84E-10	3.11E-10	3.24E-10	6.35E-10
2978	566944.61	4217309.52	4.09E-09	4.41E-09	8.50E-09	3.55E-09	3.91E-09	7.45E-09	4.29E-10	6.33E-10	1.06E-09	3.73E-10	3.90E-10	7.63E-10

2979	566937.23	4217303.54	4.25E-09	4.59E-09	8.83E-09	3.69E-09	4.06E-09	7.74E-09	4.46E-10	6.58E-10	1.10E-09	3.88E-10	4.05E-10	7.93E-10
2980	566929.85	4217297.55	4.42E-09	4.77E-09	9.20E-09	3.84E-09	4.22E-09	8.06E-09	4.64E-10	6.85E-10	1.15E-09	4.04E-10	4.22E-10	8.25E-10
2981	566870.79	4217249.69	6.52E-09	7.04E-09	1.36E-08	5.65E-09	6.23E-09	1.19E-08	6.84E-10	1.01E-09	1.69E-09	5.95E-10	6.21E-10	1.22E-09
2982	566970.66	4217320.75	3.81E-09	4.12E-09	7.93E-09	3.31E-09	3.64E-09	6.95E-09	4.00E-10	5.90E-10	9.90E-10	3.48E-10	3.64E-10	7.12E-10
2983	566979.99	4217323.37	3.75E-09	4.05E-09	7.80E-09	3.26E-09	3.58E-09	6.84E-09	3.94E-10	5.81E-10	9.74E-10	3.43E-10	3.58E-10	7.00E-10
2984	566989.32	4217325.99	3.69E-09	3.99E-09	7.68E-09	3.20E-09	3.53E-09	6.73E-09	3.87E-10	5.72E-10	9.59E-10	3.37E-10	3.52E-10	6.89E-10
2985	566998.65	4217328.61	3.63E-09	3.92E-09	7.56E-09	3.15E-09	3.47E-09	6.62E-09	3.81E-10	5.62E-10	9.44E-10	3.32E-10	3.46E-10	6.78E-10
2986	567007.98	4217331.24	3.57E-09	3.86E-09	7.43E-09	3.10E-09	3.41E-09	6.52E-09	3.75E-10	5.53E-10	9.28E-10	3.27E-10	3.41E-10	6.67E-10
2987	567017.32	4217333.86	3.52E-09	3.80E-09	7.31E-09	3.05E-09	3.36E-09	6.41E-09	3.69E-10	5.44E-10	9.13E-10	3.21E-10	3.35E-10	6.57E-10
2988	567026.65	4217336.48	3.46E-09	3.74E-09	7.20E-09	3.00E-09	3.31E-09	6.31E-09	3.63E-10	5.36E-10	8.99E-10	3.16E-10	3.30E-10	6.46E-10
2989	567045.31	4217341.73	3.35E-09	3.61E-09	6.96E-09	2.90E-09	3.20E-09	6.10E-09	3.51E-10	5.18E-10	8.69E-10	3.06E-10	3.19E-10	6.25E-10
2990	567054.64	4217344.35	3.29E-09	3.56E-09	6.85E-09	2.86E-09	3.15E-09	6.00E-09	3.45E-10	5.10E-10	8.55E-10	3.01E-10	3.14E-10	6.15E-10
2991	567063.97	4217346.97	3.24E-09	3.50E-09	6.74E-09	2.81E-09	3.10E-09	5.91E-09	3.40E-10	5.02E-10	8.42E-10	2.96E-10	3.09E-10	6.05E-10
2992	566941.95	4217319.18	3.87E-09	4.18E-09	8.05E-09	3.36E-09	3.70E-09	7.05E-09	4.06E-10	5.99E-10	1.00E-09	3.54E-10	3.69E-10	7.22E-10
2993	566934.62	4217313.24	4.01E-09	4.33E-09	8.34E-09	3.48E-09	3.83E-09	7.31E-09	4.21E-10	6.21E-10	1.04E-09	3.67E-10	3.82E-10	7.49E-10
2994	566927.28	4217307.29	4.17E-09	4.50E-09	8.67E-09	3.62E-09	3.98E-09	7.60E-09	4.37E-10	6.45E-10	1.08E-09	3.81E-10	3.97E-10	7.78E-10
2995	566919.95	4217301.35	4.34E-09	4.68E-09	9.02E-09	3.76E-09	4.14E-09	7.90E-09	4.55E-10	6.71E-10	1.13E-09	3.96E-10	4.13E-10	8.09E-10
2996	566912.61	4217295.41	4.52E-09	4.88E-09	9.40E-09	3.92E-09	4.32E-09	8.24E-09	4.74E-10	6.99E-10	1.17E-09	4.13E-10	4.31E-10	8.43E-10
2997	566773.24	4217182.46	1.10E-08	1.18E-08	2.28E-08	9.51E-09	1.05E-08	2.00E-08	1.15E-09	1.70E-09	2.85E-09	1.00E-09	1.05E-09	2.05E-09
2998	566765.91	4217176.51	1.13E-08	1.22E-08	2.35E-08	9.81E-09	1.08E-08	2.06E-08	1.19E-09	1.75E-09	2.94E-09	1.03E-09	1.08E-09	2.11E-09
2999	566757.86	4217161.15	1.23E-08	1.33E-08	2.56E-08	1.07E-08	1.17E-08	2.24E-08	1.29E-09	1.90E-09	3.19E-09	1.12E-09	1.17E-09	2.30E-09
3000	566949.29	4217325.13	3.74E-09	4.04E-09	7.78E-09	3.24E-09	3.57E-09	6.82E-09	3.92E-10	5.79E-10	9.71E-10	3.42E-10	3.56E-10	6.98E-10
3001	566967.95	4217330.37	3.63E-09	3.91E-09	7.54E-09	3.15E-09	3.46E-09	6.61E-09	3.80E-10	5.61E-10	9.41E-10	3.31E-10	3.46E-10	6.77E-10
3002	566977.28	4217333	3.57E-09	3.85E-09	7.42E-09	3.10E-09	3.41E-09	6.51E-09	3.74E-10	5.52E-10	9.27E-10	3.26E-10	3.40E-10	6.66E-10
3003	566986.62	4217335.62	3.51E-09	3.79E-09	7.31E-09	3.05E-09	3.36E-09	6.41E-09	3.69E-10	5.44E-10	9.13E-10	3.21E-10	3.35E-10	6.56E-10
3004	566995.95	4217338.24	3.46E-09	3.74E-09	7.20E-09	3.00E-09	3.31E-09	6.31E-09	3.63E-10	5.36E-10	8.99E-10	3.16E-10	3.30E-10	6.46E-10
3005	567005.28	4217340.86	3.41E-09	3.68E-09	7.09E-09	2.96E-09	3.25E-09	6.21E-09	3.57E-10	5.27E-10	8.85E-10	3.11E-10	3.25E-10	6.36E-10
3006	567014.61	4217343.49	3.35E-09	3.62E-09	6.97E-09	2.91E-09	3.20E-09	6.11E-09	3.52E-10	5.19E-10	8.71E-10	3.06E-10	3.20E-10	6.26E-10
3007	567023.94	4217346.11	3.30E-09	3.56E-09	6.86E-09	2.86E-09	3.15E-09	6.02E-09	3.46E-10	5.11E-10	8.57E-10	3.02E-10	3.15E-10	6.16E-10
3008	567042.61	4217351.35	3.20E-09	3.45E-09	6.65E-09	2.77E-09	3.05E-09	5.83E-09	3.35E-10	4.95E-10	8.30E-10	2.92E-10	3.05E-10	5.97E-10
3009	567051.94	4217353.98	3.14E-09	3.39E-09	6.54E-09	2.73E-09	3.00E-09	5.73E-09	3.30E-10	4.87E-10	8.17E-10	2.87E-10	3.00E-10	5.87E-10
3010	567061.27	4217356.6	3.10E-09	3.34E-09	6.44E-09	2.69E-09	2.96E-09	5.64E-09	3.25E-10	4.79E-10	8.04E-10	2.83E-10	2.95E-10	5.78E-10
3011	567279.1	4217261.6	1.14E-08	1.23E-08	2.36E-08	9.86E-09	1.09E-08	2.07E-08	1.19E-09	1.76E-09	2.95E-09	1.04E-09	1.08E-09	2.12E-09
3012	567122.82	4217293.39	4.44E-09	4.79E-09	9.23E-09	3.85E-09	4.24E-09	8.09E-09	4.65E-10	6.87E-10	1.15E-09	4.05E-10	4.23E-10	8.28E-10
3013	567289.51	4217263.28	1.17E-08	1.26E-08	2.43E-08	1.01E-08	1.12E-08	2.13E-08	1.22E-09	1.81E-09	3.03E-09	1.07E-09	1.11E-09	2.18E-09
3014	567218.76	4217291.17	6.14E-09	6.63E-09	1.28E-08	5.33E-09	5.86E-09	1.12E-08	6.44E-10	9.50E-10	1.59E-09	5.61E-10	5.85E-10	1.15E-09
3015	567209.76	4217292.25	5.81E-09	6.28E-09	1.21E-08	5.04E-09	5.55E-09	1.06E-08	6.10E-10	9.00E-10	1.51E-09	5.31E-10	5.54E-10	1.09E-09
3016	567200.77	4217293.34	5.52E-09	5.96E-09	1.15E-08	4.79E-09	5.27E-09	1.01E-08	5.79E-10	8.55E-10	1.43E-09	5.04E-10	5.26E-10	1.03E-09
3017	567191.77	4217294.42	5.26E-09	5.68E-09	1.09E-08	4.57E-09	5.03E-09	9.59E-09	5.52E-10	8.14E-10	1.37E-09	4.81E-10	5.02E-10	9.82E-10
3018	567173.77	4217296.58	4.84E-09	5.22E-09	1.01E-08	4.20E-09	4.62E-09	8.82E-09	5.07E-10	7.49E-10	1.26E-09	4.42E-10	4.61E-10	9.03E-10
3019	567164.77	4217297.66	4.67E-09	5.04E-09	9.71E-09	4.05E-09	4.46E-09	8.51E-09	4.90E-10	7.23E-10	1.21E-09	4.26E-10	4.45E-10	8.71E-10
3020	567155.78	4217298.74	4.53E-09	4.88E-09	9.41E-09	3.93E-09	4.32E-09	8.25E-09	4.75E-10	7.00E-10	1.18E-09	4.13E-10	4.31E-10	8.45E-10
3021	567146.78	4217299.82	4.41E-09	4.76E-09	9.16E-09	3.82E-09	4.21E-09	8.03E-09	4.62E-10	6.82E-10	1.14E-09	4.02E-10	4.20E-10	8.22E-10
3022	567137.78	4217300.9	4.31E-09	4.65E-09	8.95E-09	3.74E-09	4.11E-09	7.85E-09	4.52E-10	6.67E-10	1.12E-09	3.93E-10	4.10E-10	8.04E-10
3023	567119.79	4217303.06	4.16E-09	4.49E-09	8.65E-09	3.61E-09	3.97E-09	7.58E-09	4.36E-10	6.44E-10	1.08E-09	3.80E-10	3.96E-10	7.76E-10
3024	567305.4	4217257.97	1.31E-08	1.41E-08	2.72E-08	1.14E-08	1.25E-08	2.39E-08	1.37E-09	2.03E-09	3.40E-09	1.20E-09	1.25E-09	2.45E-09
3025	567268.72	4217294.48	7.72E-09	8.33E-09	1.60E-08	6.70E-09	7.37E-09	1.41E-08	8.09E-10	1.19E-09	2.00E-09	7.05E-10	7.36E-10	1.44E-09
3026	567250.84	4217296.62	6.89E-09	7.44E-09	1.43E-08	5.98E-09	6.58E-09	1.26E-08	7.23E-10	1.07E-09	1.79E-09	6.30E-10	6.57E-10	1.29E-09
3027	567232.97	4217298.77	6.15E-09	6.64E-09	1.28E-08	5.34E-09	5.88E-09	1.12E-08	6.45E-10	9.52E-10	1.60E-09	5.62E-10	5.86E-10	1.15E-09
3028	567215.09	4217300.92	5.52E-09	5.96E-09	1.15E-08	4.79E-09	5.27E-09	1.01E-08	5.79E-10	8.55E-10	1.43E-09	5.04E-10	5.26E-10	1.03E-09
3029	567197.22	4217303.06	5.01E-09	5.41E-09	1.04E-08	4.35E-09	4.79E-09	9.13E-09	5.26E-10	7.76E-10	1.30E-09	4.58E-10	4.78E-10	9.35E-10
3030	567179.34	4217305.21	4.61E-09	4.98E-09	9.59E-09	4.00E-09	4.41E-09	8.41E-09	4.84E-10	7.14E-10	1.20E-09	4.21E-10	4.40E-10	8.61E-10
3031	567170.4	4217306.28	4.45E-09	4.81E-09	9.26E-09	3.86E-09	4.25E-09	8.12E-09	4.67E-10	6.89E-10	1.16E-09	4.07E-10	4.24E-10	8.31E-10
3032	567152.53	4217308.43	4.20E-09	4.54E-09	8.74E-09	3.65E-09	4.01E-09	7.66E-09	4.41E-10	6.50E-10	1.09E-09	3.84E-10	4.01E-10	7.84E-10
3033	567134.65	4217310.58	4.03E-09	4.35E-09	8.38E-09	3.49E-09	3.85E-09	7.34E-09	4.22E-10	6.23E-10	1.05E-09	3.68E-10	3.84E-10	7.52E-10
3034	567116.78	4217312.72	3.91E-09	4.22E-09	8.13E-09	3.39E-09	3.74E-09	7.13E-09	4.10E-10	6.05E-10	1.02E-09	3.57E-10	3.73E-10	7.30E-10
3035	567089.97	4217315.94	3.81E-09	4.11E-09	7.92E-09	3.30E-09	3.64E-09	6.94E-09	3.99E-10	5.89E-10	9.88E-10	3.48E-10	3.63E-10	7.11E-10
3036	567317.1	4217258.02	1.36E-08	1.47E-08	2.83E-08	1.18E-08	1.30E-08	2.48E-08	1.43E-09	2.10E-09	3.53E-09	1.24E-09	1.30E-09	2.54E-09
3037	567311.34	4217265.37	1.24E-08	1.34E-08	2.58E-08	1.08E-08	1.19E-08	2.26E-08	1.30E-09	1.92E-09	3.23E-09	1.13E-09	1.18E-09	2.32E-09
3038	567288.32	4217294.77	8.46E-09	9.14E-09	1.76E-08	7.34E-09	8.08E-09	1.54E-08	8.88E-10	1.31E-09	2.20E-09	7.73E-10	8.07E-10	1.58E-09
3039	567273.3	4217303.23	7.26E-09	7.83E-09	1.51E-08	6.30E-09	6.93E-09	1.32E-08	7.61E-10	1.12E-09	1.88E-09	6.63E-10	6.92E-10	1.35E-09
3040	567254.76	4217305.46	6.47E-09	6.98E-09	1.34E-08	5.61E-09	6.18E-09	1.18E-08	6.78E-10	1.00E-09	1.68E-09	5.91E-10	6.16E-10	1.21E-09
3041	567245.49	4217306.57	6.10E-09	6.59E-09	1.27E-08	5.30E-09	5.83E-09	1.11E-08	6.40E-10	9.45E-10	1.59E-09	5.58E-10	5.82E-10	1.14E-09
3042	567236.22	4217307.68	5.77E-09	6.22E-09	1.20E-08	5.00E-09	5.51E-09	1.05E-08	6.05E-10	8.93E-10	1.50E-09	5.27E-10	5.50E-10	1.08E-09
3043	567226.95	4217308.79	5.46E-09	5.89E-09	1.13E-08	4.73E-09	5.21E-09	9.94E-09	5.72E-10	8.44E-10	1.42E-09	4.98E-10	5.20E-10	1.02E-09
3044	567217.68	4217309.91	5.17E-09	5.58E-09	1.08E-08	4.49E-09	4.94E-09	9.43E-09	5.43E-10	8.01E-10	1.34E-09	4.73E-10	4.93E-10	9.66E-10
3045	567208.42	4217311.02	4.92E-09	5.31E-09	1.02E-08	4.27E-09	4.70E-09	8.97E-09	5.16E-10	7.62E-10	1.28E-09	4.49E-10	4.69E-10	9.18E-10
3046	567199.15	4217312.13	4.70E-09	5.07E-09	9.76E-09	4.07E-09	4.49E-09	8.56E-09	4.93E-10	7.27E-10	1.22E-09	4.29E-10	4.48E-10	8.76E-10
3047	567171.34	4217315.47	4.18E-09	4.52E-09	8.70E-09	3.63E-09	4.00E-09	7.63E-09	4.39E-10	6.48E-10	1.09E-09	3.82E-10	3.99E-10	7.81E-10
3048	567162.07	4217316.59	4.06E-09	4.38E-09	8.44E-09	3.52E-09	3.88E-09	7.40E-09	4.26E-10	6.28E-10	1.05E-09	3.71E-10	3.87E-10	7.58E-10
3049	567152.8	4217317.7	3.96E-09	4.27E-09	8.23E-09	3.43E-09	3.78E-09	7.21E-09	4.15E-10	6.12E-10	1.03E-09	3.61E-10	3.77E-10	7.38E-10

3050	567143.53	4217318.81	3.87E-09	4.18E-09	8.05E-09	3.36E-09	3.70E-09	7.05E-09	4.06E-10	5.99E-10	1.00E-09	3.53E-10	3.69E-10	7.22E-10
3051	567134.27	4217319.93	3.80E-09	4.10E-09	7.90E-09	3.30E-09	3.63E-09	6.93E-09	3.99E-10	5.88E-10	9.87E-10	3.47E-10	3.62E-10	7.09E-10
3052	567125	4217321.04	3.74E-09	4.04E-09	7.79E-09	3.25E-09	3.58E-09	6.82E-09	3.93E-10	5.80E-10	9.72E-10	3.42E-10	3.57E-10	6.99E-10
3053	567115.73	4217322.15	3.70E-09	3.99E-09	7.69E-09	3.21E-09	3.53E-09	6.74E-09	3.88E-10	5.73E-10	9.60E-10	3.38E-10	3.53E-10	6.90E-10
3054	567097.19	4217324.38	3.63E-09	3.92E-09	7.56E-09	3.15E-09	3.47E-09	6.62E-09	3.81E-10	5.62E-10	9.44E-10	3.32E-10	3.46E-10	6.78E-10
3055	567087.92	4217325.49	3.61E-09	3.90E-09	7.51E-09	3.13E-09	3.45E-09	6.58E-09	3.79E-10	5.59E-10	9.38E-10	3.30E-10	3.44E-10	6.74E-10
3056	567078.65	4217326.6	3.59E-09	3.88E-09	7.47E-09	3.12E-09	3.43E-09	6.55E-09	3.77E-10	5.56E-10	9.33E-10	3.28E-10	3.42E-10	6.71E-10
3057	567401.72	4217164.92	2.64E-08	2.85E-08	5.50E-08	2.29E-08	2.53E-08	4.82E-08	2.77E-09	4.09E-09	6.87E-09	2.42E-09	2.52E-09	4.94E-09
3058	567384.58	4217186.81	2.47E-08	2.67E-08	5.14E-08	2.15E-08	2.36E-08	4.51E-08	2.59E-09	3.83E-09	6.42E-09	2.26E-09	2.36E-09	4.62E-09
3059	567378.87	4217194.1	2.39E-08	2.58E-08	4.98E-08	2.08E-08	2.29E-08	4.36E-08	2.51E-09	3.70E-09	6.21E-09	2.19E-09	2.28E-09	4.47E-09
3060	567373.16	4217201.4	2.30E-08	2.48E-08	4.78E-08	2.00E-08	2.20E-08	4.19E-08	2.41E-09	3.56E-09	5.97E-09	2.10E-09	2.19E-09	4.29E-09
3061	567367.45	4217208.69	2.20E-08	2.37E-08	4.57E-08	1.91E-08	2.10E-08	4.01E-08	2.31E-09	3.40E-09	5.71E-09	2.01E-09	2.10E-09	4.11E-09
3062	567356.02	4217223.28	1.97E-08	2.13E-08	4.11E-08	1.71E-08	1.89E-08	3.60E-08	2.07E-09	3.06E-09	5.13E-09	1.80E-09	1.88E-09	3.69E-09
3063	567350.31	4217230.58	1.86E-08	2.00E-08	3.86E-08	1.61E-08	1.77E-08	3.38E-08	1.95E-09	2.87E-09	4.82E-09	1.69E-09	1.77E-09	3.46E-09
3064	567344.6	4217237.87	1.73E-08	1.87E-08	3.61E-08	1.50E-08	1.66E-08	3.16E-08	1.82E-09	2.68E-09	4.50E-09	1.58E-09	1.65E-09	3.24E-09
3065	567327.46	4217259.76	1.38E-08	1.49E-08	2.86E-08	1.19E-08	1.31E-08	2.51E-08	1.44E-09	2.13E-09	3.57E-09	1.26E-09	1.31E-09	2.57E-09
3066	567304.61	4217288.94	9.62E-09	1.04E-08	2.00E-08	8.35E-09	9.19E-09	1.75E-08	1.01E-09	1.49E-09	2.50E-09	8.79E-10	9.17E-10	1.80E-09
3067	567298.9	4217296.24	8.75E-09	9.45E-09	1.82E-08	7.59E-09	8.36E-09	1.60E-08	9.18E-10	1.35E-09	2.27E-09	8.00E-10	8.34E-10	1.63E-09
3068	567293.18	4217303.53	7.96E-09	8.59E-09	1.65E-08	6.90E-09	7.60E-09	1.45E-08	8.35E-10	1.23E-09	2.07E-09	7.27E-10	7.59E-10	1.49E-09
3069	567278.27	4217311.93	6.85E-09	7.40E-09	1.42E-08	5.94E-09	6.54E-09	1.25E-08	7.19E-10	1.06E-09	1.78E-09	6.26E-10	6.53E-10	1.28E-09
3070	567269.07	4217313.04	6.48E-09	6.99E-09	1.35E-08	5.62E-09	6.19E-09	1.18E-08	6.80E-10	1.00E-09	1.68E-09	5.92E-10	6.18E-10	1.21E-09
3071	567250.67	4217315.25	5.79E-09	6.25E-09	1.20E-08	5.03E-09	5.53E-09	1.06E-08	6.08E-10	8.97E-10	1.50E-09	5.29E-10	5.52E-10	1.08E-09
3072	567241.47	4217316.35	5.48E-09	5.92E-09	1.14E-08	4.76E-09	5.24E-09	9.99E-09	5.75E-10	8.48E-10	1.42E-09	5.01E-10	5.22E-10	1.02E-09
3073	567232.27	4217317.46	5.19E-09	5.61E-09	1.08E-08	4.51E-09	4.96E-09	9.47E-09	5.45E-10	8.04E-10	1.35E-09	4.74E-10	4.95E-10	9.69E-10
3074	567223.07	4217318.56	4.93E-09	5.32E-09	1.03E-08	4.28E-09	4.71E-09	8.99E-09	5.17E-10	7.63E-10	1.28E-09	4.50E-10	4.70E-10	9.20E-10
3075	567213.87	4217319.67	4.70E-09	5.07E-09	9.76E-09	4.07E-09	4.49E-09	8.56E-09	4.92E-10	7.27E-10	1.22E-09	4.29E-10	4.48E-10	8.76E-10
3076	567204.68	4217320.77	4.49E-09	4.84E-09	9.33E-09	3.89E-09	4.28E-09	8.18E-09	4.71E-10	6.94E-10	1.16E-09	4.10E-10	4.28E-10	8.37E-10
3077	567195.48	4217321.88	4.30E-09	4.64E-09	8.94E-09	3.73E-09	4.11E-09	7.84E-09	4.51E-10	6.66E-10	1.12E-09	3.93E-10	4.10E-10	8.03E-10
3078	567177.08	4217324.09	4.00E-09	4.32E-09	8.32E-09	3.47E-09	3.82E-09	7.30E-09	4.20E-10	6.20E-10	1.04E-09	3.66E-10	3.82E-10	7.47E-10
3079	567167.88	4217325.19	3.89E-09	4.19E-09	8.08E-09	3.37E-09	3.71E-09	7.08E-09	4.08E-10	6.01E-10	1.01E-09	3.55E-10	3.70E-10	7.25E-10
3080	567158.68	4217326.3	3.79E-09	4.09E-09	7.87E-09	3.28E-09	3.62E-09	6.90E-09	3.97E-10	5.86E-10	9.83E-10	3.46E-10	3.61E-10	7.07E-10
3081	567149.48	4217327.4	3.70E-09	4.00E-09	7.70E-09	3.21E-09	3.54E-09	6.75E-09	3.88E-10	5.73E-10	9.61E-10	3.38E-10	3.53E-10	6.91E-10
3082	567140.28	4217328.51	3.63E-09	3.92E-09	7.56E-09	3.15E-09	3.47E-09	6.62E-09	3.81E-10	5.62E-10	9.44E-10	3.32E-10	3.46E-10	6.78E-10
3083	567131.08	4217329.61	3.58E-09	3.86E-09	7.44E-09	3.11E-09	3.42E-09	6.52E-09	3.75E-10	5.54E-10	9.29E-10	3.27E-10	3.41E-10	6.68E-10
3084	567121.88	4217330.72	3.53E-09	3.82E-09	7.35E-09	3.07E-09	3.38E-09	6.44E-09	3.71E-10	5.47E-10	9.18E-10	3.23E-10	3.37E-10	6.60E-10
3085	567094.28	4217334.03	3.45E-09	3.72E-09	7.17E-09	2.99E-09	3.29E-09	6.29E-09	3.62E-10	5.34E-10	8.96E-10	3.15E-10	3.29E-10	6.44E-10
3086	567085.08	4217335.13	3.43E-09	3.70E-09	7.14E-09	2.98E-09	3.28E-09	6.26E-09	3.60E-10	5.31E-10	8.91E-10	3.13E-10	3.27E-10	6.41E-10
3087	567075.88	4217336.24	3.42E-09	3.69E-09	7.10E-09	2.96E-09	3.26E-09	6.23E-09	3.58E-10	5.29E-10	8.87E-10	3.12E-10	3.26E-10	6.38E-10
3088	567394.49	4217189.13	2.39E-08	2.58E-08	4.97E-08	2.07E-08	2.28E-08	4.36E-08	2.51E-09	3.70E-09	6.20E-09	2.18E-09	2.28E-09	4.46E-09
3089	567388.82	4217196.38	2.32E-08	2.50E-08	4.82E-08	2.01E-08	2.21E-08	4.23E-08	2.43E-09	3.59E-09	6.02E-09	2.12E-09	2.21E-09	4.33E-09
3090	567383.15	4217203.62	2.24E-08	2.42E-08	4.65E-08	1.94E-08	2.14E-08	4.08E-08	2.35E-09	3.46E-09	5.81E-09	2.04E-09	2.13E-09	4.18E-09
3091	567377.48	4217210.87	2.15E-08	2.32E-08	4.47E-08	1.86E-08	2.05E-08	3.92E-08	2.25E-09	3.32E-09	5.58E-09	1.96E-09	2.05E-09	4.01E-09
3092	567371.8	4217218.11	2.05E-08	2.21E-08	4.26E-08	1.78E-08	1.96E-08	3.74E-08	2.15E-09	3.17E-09	5.32E-09	1.87E-09	1.95E-09	3.83E-09
3093	567366.13	4217225.36	1.94E-08	2.10E-08	4.04E-08	1.69E-08	1.86E-08	3.54E-08	2.04E-09	3.01E-09	5.05E-09	1.78E-09	1.85E-09	3.63E-09
3094	567360.46	4217232.6	1.84E-08	1.98E-08	3.82E-08	1.59E-08	1.75E-08	3.35E-08	1.93E-09	2.84E-09	4.77E-09	1.68E-09	1.75E-09	3.43E-09
3095	567354.78	4217239.85	1.72E-08	1.86E-08	3.58E-08	1.50E-08	1.65E-08	3.14E-08	1.81E-09	2.67E-09	4.48E-09	1.57E-09	1.64E-09	3.22E-09
3096	567349.11	4217247.09	1.61E-08	1.74E-08	3.35E-08	1.40E-08	1.54E-08	2.94E-08	1.69E-09	2.49E-09	4.18E-09	1.47E-09	1.54E-09	3.01E-09
3097	567315.07	4217290.56	9.87E-09	1.07E-08	2.05E-08	8.57E-09	9.43E-09	1.80E-08	1.04E-09	1.53E-09	2.56E-09	9.02E-10	9.41E-10	1.84E-09
3098	567309.4	4217297.81	9.02E-09	9.73E-09	1.87E-08	7.82E-09	8.61E-09	1.64E-08	9.46E-10	1.40E-09	2.34E-09	8.24E-10	8.59E-10	1.68E-09
3099	567298.05	4217312.3	7.50E-09	8.09E-09	1.56E-08	6.50E-09	7.16E-09	1.37E-08	7.86E-10	1.16E-09	1.95E-09	6.85E-10	7.14E-10	1.40E-09
3100	567283.24	4217320.64	6.48E-09	6.99E-09	1.35E-08	5.62E-09	6.19E-09	1.18E-08	6.80E-10	1.00E-09	1.68E-09	5.92E-10	6.18E-10	1.21E-09
3101	567274.11	4217321.74	6.14E-09	6.62E-09	1.28E-08	5.32E-09	5.86E-09	1.12E-08	6.44E-10	9.50E-10	1.59E-09	5.61E-10	5.85E-10	1.15E-09
3102	567246.7	4217325.03	5.22E-09	5.63E-09	1.08E-08	4.52E-09	4.98E-09	9.51E-09	5.47E-10	8.07E-10	1.35E-09	4.76E-10	4.97E-10	9.74E-10
3103	567237.56	4217326.12	4.95E-09	5.34E-09	1.03E-08	4.29E-09	4.73E-09	9.02E-09	5.19E-10	7.66E-10	1.29E-09	4.52E-10	4.72E-10	9.24E-10
3104	567228.43	4217327.22	4.71E-09	5.08E-09	9.79E-09	4.08E-09	4.50E-09	8.58E-09	4.94E-10	7.28E-10	1.22E-09	4.30E-10	4.49E-10	8.78E-10
3105	567219.29	4217328.32	4.49E-09	4.84E-09	9.33E-09	3.89E-09	4.28E-09	8.18E-09	4.70E-10	6.94E-10	1.16E-09	4.10E-10	4.28E-10	8.37E-10
3106	567210.15	4217329.42	4.29E-09	4.63E-09	8.92E-09	3.72E-09	4.10E-09	7.82E-09	4.50E-10	6.64E-10	1.11E-09	3.92E-10	4.09E-10	8.01E-10
3107	567201.02	4217330.51	4.12E-09	4.44E-09	8.56E-09	3.57E-09	3.93E-09	7.50E-09	4.32E-10	6.37E-10	1.07E-09	3.76E-10	3.92E-10	7.68E-10
3108	567191.88	4217331.61	3.96E-09	4.28E-09	8.24E-09	3.44E-09	3.79E-09	7.23E-09	4.16E-10	6.14E-10	1.03E-09	3.62E-10	3.78E-10	7.40E-10
3109	567173.61	4217333.81	3.72E-09	4.02E-09	7.74E-09	3.23E-09	3.55E-09	6.78E-09	3.90E-10	5.76E-10	9.66E-10	3.40E-10	3.55E-10	6.95E-10
3110	567164.47	4217334.9	3.63E-09	3.91E-09	7.54E-09	3.15E-09	3.46E-09	6.61E-09	3.80E-10	5.61E-10	9.42E-10	3.31E-10	3.46E-10	6.77E-10
3111	567155.34	4217336	3.55E-09	3.83E-09	7.37E-09	3.08E-09	3.39E-09	6.46E-09	3.72E-10	5.49E-10	9.21E-10	3.24E-10	3.38E-10	6.62E-10
3112	567146.2	4217337.1	3.48E-09	3.76E-09	7.24E-09	3.02E-09	3.32E-09	6.34E-09	3.65E-10	5.39E-10	9.04E-10	3.18E-10	3.32E-10	6.50E-10
3113	567137.06	4217338.19	3.43E-09	3.70E-09	7.13E-09	2.97E-09	3.27E-09	6.25E-09	3.59E-10	5.30E-10	8.90E-10	3.13E-10	3.27E-10	6.40E-10
3114	567127.93	4217339.29	3.38E-09	3.65E-09	7.04E-09	2.94E-09	3.23E-09	6.17E-09	3.55E-10	5.24E-10	8.79E-10	3.09E-10	3.22E-10	6.32E-10
3115	567118.79	4217340.39	3.35E-09	3.61E-09	6.96E-09	2.91E-09	3.20E-09	6.10E-09	3.51E-10	5.18E-10	8.70E-10	3.06E-10	3.19E-10	6.25E-10
3116	567100.52	4217342.58	3.30E-09	3.56E-09	6.86E-09	2.86E-09	3.15E-09	6.01E-09	3.46E-10	5.11E-10	8.57E-10	3.01E-10	3.14E-10	6.16E-10
3117	567091.38	4217343.68	3.28E-09	3.54E-09	6.82E-09	2.85E-09	3.13E-09	5.98E-09	3.44E-10	5.08E-10	8.52E-10	3.00E-10	3.13E-10	6.13E-10
3118	567082.25	4217344.78	3.27E-09	3.53E-09	6.79E-09	2.83E-09	3.12E-09	5.96E-09	3.43E-10	5.06E-10	8.48E-10	2.98E-10	3.11E-10	6.10E-10
3119	567073.11	4217345.87	3.25E-09	3.51E-09	6.77E-09	2.82E-09	3.11E-09	5.93E-09	3.41E-10	5.04E-10	8.45E-10	2.97E-10	3.10E-10	6.07E-10
3120	567398.75	4217198.68	2.25E-08	2.42E-08	4.67E-08	1.95E-08	2.15E-08	4.09E-08	2.36E-09	3.48E-09	5.83E-09	2.05E-09	2.14E-09	4.19E-09

3121	567393.11	4217205.88	2.17E-08	2.35E-08	4.52E-08	1.89E-08	2.08E-08	3.96E-08	2.28E-09	3.37E-09	5.65E-09	1.99E-09	2.07E-09	4.06E-09
3122	567381.84	4217220.27	2.01E-08	2.17E-08	4.17E-08	1.74E-08	1.92E-08	3.66E-08	2.10E-09	3.11E-09	5.21E-09	1.83E-09	1.91E-09	3.75E-09
3123	567370.56	4217234.67	1.81E-08	1.96E-08	3.77E-08	1.57E-08	1.73E-08	3.30E-08	1.90E-09	2.80E-09	4.71E-09	1.66E-09	1.73E-09	3.38E-09
3124	567364.93	4217241.87	1.71E-08	1.84E-08	3.55E-08	1.48E-08	1.63E-08	3.12E-08	1.79E-09	2.65E-09	4.44E-09	1.56E-09	1.63E-09	3.19E-09
3125	567353.65	4217256.27	1.50E-08	1.62E-08	3.12E-08	1.30E-08	1.43E-08	2.73E-08	1.57E-09	2.32E-09	3.89E-09	1.37E-09	1.43E-09	2.80E-09
3126	567325.47	4217292.26	1.01E-08	1.09E-08	2.10E-08	8.76E-09	9.64E-09	1.84E-08	1.06E-09	1.56E-09	2.62E-09	9.22E-10	9.62E-10	1.88E-09
3127	567319.83	4217299.46	9.25E-09	9.99E-09	1.92E-08	8.03E-09	8.84E-09	1.69E-08	9.71E-10	1.43E-09	2.40E-09	8.45E-10	8.82E-10	1.73E-09
3128	567308.56	4217313.86	7.74E-09	8.35E-09	1.61E-08	6.71E-09	7.39E-09	1.41E-08	8.12E-10	1.20E-09	2.01E-09	7.07E-10	7.38E-10	1.44E-09
3129	567288.21	4217329.34	6.14E-09	6.62E-09	1.28E-08	5.32E-09	5.86E-09	1.12E-08	6.44E-10	9.50E-10	1.59E-09	5.61E-10	5.85E-10	1.15E-09
3130	567279.13	4217330.43	5.82E-09	6.28E-09	1.21E-08	5.05E-09	5.56E-09	1.06E-08	6.11E-10	9.01E-10	1.51E-09	5.32E-10	5.55E-10	1.09E-09
3131	567270.06	4217331.52	5.52E-09	5.96E-09	1.15E-08	4.79E-09	5.27E-09	1.01E-08	5.79E-10	8.54E-10	1.43E-09	5.04E-10	5.26E-10	1.03E-09
3132	567251.9	4217333.71	4.97E-09	5.36E-09	1.03E-08	4.31E-09	4.75E-09	9.06E-09	5.21E-10	7.69E-10	1.29E-09	4.54E-10	4.74E-10	9.27E-10
3133	567242.82	4217334.8	4.72E-09	5.10E-09	9.82E-09	4.10E-09	4.51E-09	8.60E-09	4.95E-10	7.31E-10	1.23E-09	4.31E-10	4.50E-10	8.81E-10
3134	567233.74	4217335.89	4.49E-09	4.85E-09	9.35E-09	3.90E-09	4.29E-09	8.19E-09	4.71E-10	6.96E-10	1.17E-09	4.11E-10	4.28E-10	8.39E-10
3135	567224.67	4217336.98	4.29E-09	4.63E-09	8.92E-09	3.72E-09	4.10E-09	7.82E-09	4.50E-10	6.64E-10	1.11E-09	3.92E-10	4.09E-10	8.01E-10
3136	567215.59	4217338.07	4.10E-09	4.43E-09	8.53E-09	3.56E-09	3.92E-09	7.48E-09	4.31E-10	6.35E-10	1.07E-09	3.75E-10	3.91E-10	7.66E-10
3137	567206.51	4217339.16	3.94E-09	4.25E-09	8.19E-09	3.42E-09	3.76E-09	7.18E-09	4.13E-10	6.10E-10	1.02E-09	3.60E-10	3.76E-10	7.36E-10
3138	567197.43	4217340.25	3.80E-09	4.10E-09	7.90E-09	3.29E-09	3.63E-09	6.92E-09	3.98E-10	5.88E-10	9.86E-10	3.47E-10	3.62E-10	7.09E-10
3139	567179.28	4217342.43	3.57E-09	3.85E-09	7.42E-09	3.09E-09	3.41E-09	6.50E-09	3.74E-10	5.52E-10	9.26E-10	3.26E-10	3.40E-10	6.66E-10
3140	567170.2	4217343.52	3.48E-09	3.75E-09	7.23E-09	3.02E-09	3.32E-09	6.34E-09	3.65E-10	5.38E-10	9.03E-10	3.18E-10	3.31E-10	6.49E-10
3141	567161.12	4217344.61	3.40E-09	3.67E-09	7.07E-09	2.95E-09	3.25E-09	6.20E-09	3.57E-10	5.26E-10	8.83E-10	3.11E-10	3.24E-10	6.35E-10
3142	567152.05	4217345.7	3.34E-09	3.60E-09	6.94E-09	2.89E-09	3.19E-09	6.08E-09	3.50E-10	5.16E-10	8.66E-10	3.05E-10	3.18E-10	6.23E-10
3143	567142.97	4217346.79	3.28E-09	3.54E-09	6.83E-09	2.85E-09	3.14E-09	5.99E-09	3.44E-10	5.08E-10	8.53E-10	3.00E-10	3.13E-10	6.13E-10
3144	567133.89	4217347.88	3.24E-09	3.50E-09	6.74E-09	2.81E-09	3.10E-09	5.91E-09	3.40E-10	5.02E-10	8.42E-10	2.96E-10	3.09E-10	6.05E-10
3145	567124.81	4217348.97	3.21E-09	3.46E-09	6.67E-09	2.78E-09	3.06E-09	5.85E-09	3.36E-10	4.96E-10	8.33E-10	2.93E-10	3.06E-10	5.99E-10
3146	567115.74	4217350.06	3.18E-09	3.43E-09	6.61E-09	2.76E-09	3.04E-09	5.80E-09	3.34E-10	4.92E-10	8.26E-10	2.90E-10	3.03E-10	5.94E-10
3147	567097.58	4217352.24	3.14E-09	3.39E-09	6.53E-09	2.73E-09	3.00E-09	5.73E-09	3.29E-10	4.86E-10	8.16E-10	2.87E-10	2.99E-10	5.86E-10
3148	567088.5	4217353.33	3.13E-09	3.38E-09	6.50E-09	2.71E-09	2.99E-09	5.70E-09	3.28E-10	4.84E-10	8.12E-10	2.86E-10	2.98E-10	5.84E-10
3149	567079.42	4217354.42	3.12E-09	3.36E-09	6.48E-09	2.70E-09	2.98E-09	5.68E-09	3.27E-10	4.82E-10	8.09E-10	2.85E-10	2.97E-10	5.82E-10
3150	567070.35	4217355.51	3.11E-09	3.35E-09	6.46E-09	2.69E-09	2.97E-09	5.66E-09	3.26E-10	4.81E-10	8.06E-10	2.84E-10	2.96E-10	5.80E-10

			T2		T3		T4I		T4f	
			18	567182.66						
			3.34E-02	3.60E-02	2.90E-02	3.19E-02	3.50E-03	5.17E-03	3.05E-03	3.18E-03
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	567145.96	4217064.54	1.52E-02	1.64E-02	1.32E-02	1.45E-02	1.59E-03	2.35E-03	1.39E-03	1.45E-03
2	567143.55	4217074.25	1.03E-02	1.12E-02	8.98E-03	9.88E-03	1.09E-03	1.60E-03	9.45E-04	9.86E-04
3	567141.15	4217083.96	7.41E-03	7.99E-03	6.43E-03	7.07E-03	7.77E-04	1.15E-03	6.77E-04	7.06E-04
4	567133.93	4217113.08	3.22E-03	3.48E-03	2.80E-03	3.08E-03	3.38E-04	4.99E-04	2.94E-04	3.07E-04
5	567131.52	4217122.78	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
6	567129.11	4217132.49	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04
7	567126.71	4217142.19	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.62E-04	1.55E-04	1.61E-04
8	567124.3	4217151.9	1.42E-03	1.53E-03	1.23E-03	1.35E-03	1.49E-04	2.19E-04	1.29E-04	1.35E-04
9	567121.89	4217161.61	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.87E-04	1.10E-04	1.15E-04
10	567119.49	4217171.31	1.04E-03	1.12E-03	9.02E-04	9.93E-04	1.09E-04	1.61E-04	9.50E-05	9.91E-05
11	567117.08	4217181.02	9.09E-04	9.81E-04	7.89E-04	8.69E-04	9.54E-05	1.41E-04	8.31E-05	8.67E-05
12	567114.67	4217190.72	8.04E-04	8.68E-04	6.98E-04	7.68E-04	8.44E-05	1.25E-04	7.35E-05	7.67E-05
13	567102.64	4217239.25	4.95E-04	5.34E-04	4.29E-04	4.72E-04	5.19E-05	7.66E-05	4.52E-05	4.71E-05
14	567100.23	4217248.96	4.58E-04	4.94E-04	3.97E-04	4.37E-04	4.80E-05	7.08E-05	4.18E-05	4.36E-05
15	567097.83	4217258.67	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
16	567095.42	4217268.37	3.97E-04	4.28E-04	3.44E-04	3.79E-04	4.16E-05	6.14E-05	3.62E-05	3.78E-05
17	567178.64	4216983.73	3.30E-02	3.57E-02	2.87E-02	3.16E-02	3.46E-03	5.11E-03	3.02E-03	3.15E-03
18	567182.66	4216974.43	3.34E-02	3.60E-02	2.90E-02	3.19E-02	3.50E-03	5.17E-03	3.05E-03	3.18E-03
19	567187.53	4216987.36	2.64E-02	2.85E-02	2.29E-02	2.52E-02	2.77E-03	4.08E-03	2.41E-03	2.51E-03
20	567176.43	4216996.07	3.08E-02	3.33E-02	2.68E-02	2.95E-02	3.24E-03	4.77E-03	2.82E-03	2.94E-03
21	567192.3	4216977.06	2.64E-02	2.85E-02	2.29E-02	2.53E-02	2.77E-03	4.09E-03	2.42E-03	2.52E-03
22	567196.79	4216990.49	2.18E-02	2.35E-02	1.89E-02	2.08E-02	2.28E-03	3.37E-03	1.99E-03	2.07E-03
23	567189.91	4216999.48	2.28E-02	2.46E-02	1.98E-02	2.18E-02	2.39E-03	3.53E-03	2.08E-03	2.17E-03
24	567180.87	4217004.78	2.59E-02	2.80E-02	2.25E-02	2.47E-02	2.72E-03	4.01E-03	2.37E-03	2.47E-03
25	567169.67	4217006.41	3.30E-02	3.57E-02	2.87E-02	3.15E-02	3.46E-03	5.11E-03	3.02E-03	3.15E-03
26	567201.95	4216979.69	2.17E-02	2.34E-02	1.88E-02	2.07E-02	2.28E-03	3.36E-03	1.98E-03	2.07E-03
27	567206.21	4216993.42	1.84E-02	1.98E-02	1.59E-02	1.75E-02	1.93E-03	2.84E-03	1.68E-03	1.75E-03
28	567198.87	4217003.01	1.91E-02	2.07E-02	1.66E-02	1.83E-02	2.01E-03	2.96E-03	1.75E-03	1.83E-03
29	567185.56	4217013.46	2.20E-02	2.37E-02	1.91E-02	2.10E-02	2.30E-03	3.40E-03	2.01E-03	2.09E-03
30	567173.61	4217015.19	2.75E-02	2.97E-02	2.39E-02	2.63E-02	2.88E-03	4.26E-03	2.51E-03	2.62E-03
31	567211.6	4216982.32	1.83E-02	1.97E-02	1.58E-02	1.74E-02	1.92E-03	2.83E-03	1.67E-03	1.74E-03
32	567215.71	4216996.25	1.58E-02	1.70E-02	1.37E-02	1.50E-02	1.65E-03	2.44E-03	1.44E-03	1.50E-03
33	567208.06	4217006.24	1.64E-02	1.77E-02	1.42E-02	1.57E-02	1.72E-03	2.54E-03	1.50E-03	1.56E-03
34	567200.42	4217016.23	1.70E-02	1.83E-02	1.47E-02	1.62E-02	1.78E-03	2.63E-03	1.55E-03	1.62E-03
35	567190.37	4217022.12	1.88E-02	2.03E-02	1.63E-02	1.80E-02	1.97E-03	2.91E-03	1.72E-03	1.79E-03
36	567177.93	4217023.93	2.30E-02	2.48E-02	1.99E-02	2.19E-02	2.41E-03	3.55E-03	2.10E-03	2.19E-03
37	567165.48	4217025.73	2.97E-02	3.20E-02	2.57E-02	2.83E-02	3.11E-03	4.59E-03	2.71E-03	2.83E-03
38	567221.25	4216984.95	1.56E-02	1.69E-02	1.35E-02	1.49E-02	1.64E-03	2.42E-03	1.43E-03	1.49E-03
39	567225.24	4216999.03	1.37E-02	1.48E-02	1.19E-02	1.31E-02	1.44E-03	2.12E-03	1.25E-03	1.31E-03
40	567217.38	4217009.3	1.42E-02	1.54E-02	1.24E-02	1.36E-02	1.49E-03	2.20E-03	1.30E-03	1.36E-03
41	567209.52	4217019.57	1.47E-02	1.58E-02	1.27E-02	1.40E-02	1.54E-03	2.27E-03	1.34E-03	1.40E-03
42	567195.26	4217030.77	1.62E-02	1.75E-02	1.41E-02	1.55E-02	1.70E-03	2.51E-03	1.48E-03	1.54E-03
43	567182.45	4217032.63	1.93E-02	2.08E-02	1.68E-02	1.84E-02	2.03E-03	2.99E-03	1.76E-03	1.84E-03
44	567169.65	4217034.48	2.40E-02	2.59E-02	2.08E-02	2.29E-02	2.52E-03	3.71E-03	2.19E-03	2.29E-03
45	567230.89	4216987.59	1.35E-02	1.46E-02	1.17E-02	1.29E-02	1.42E-03	2.09E-03	1.23E-03	1.29E-03
46	567235.26	4217001.18	1.20E-02	1.29E-02	1.04E-02	1.15E-02	1.26E-03	1.86E-03	1.10E-03	1.14E-03
47	567228.12	4217010.51	1.24E-02	1.34E-02	1.08E-02	1.19E-02	1.31E-03	1.93E-03	1.14E-03	1.19E-03
48	567220.99	4217019.83	1.28E-02	1.38E-02	1.11E-02	1.22E-02	1.34E-03	1.98E-03	1.17E-03	1.22E-03
49	567213.85	4217029.15	1.30E-02	1.40E-02	1.13E-02	1.24E-02	1.36E-03	2.01E-03	1.19E-03	1.24E-03
50	567200.91	4217039.31	1.39E-02	1.50E-02	1.21E-02	1.33E-02	1.46E-03	2.16E-03	1.27E-03	1.33E-03

51	567189.29	4217041	1.59E-02	1.71E-02	1.38E-02	1.52E-02	1.67E-03	2.46E-03	1.45E-03	1.51E-03
52	567177.68	4217042.68	1.85E-02	1.99E-02	1.60E-02	1.76E-02	1.94E-03	2.86E-03	1.69E-03	1.76E-03
53	567166.06	4217044.36	2.21E-02	2.39E-02	1.92E-02	2.11E-02	2.32E-03	3.42E-03	2.02E-03	2.11E-03
54	567240.54	4216990.22	1.18E-02	1.27E-02	1.02E-02	1.13E-02	1.24E-03	1.82E-03	1.08E-03	1.12E-03
55	567244.8	4217003.95	1.06E-02	1.15E-02	9.22E-03	1.01E-02	1.11E-03	1.64E-03	9.71E-04	1.01E-03
56	567237.46	4217013.54	1.10E-02	1.19E-02	9.58E-03	1.05E-02	1.16E-03	1.71E-03	1.01E-03	1.05E-03
57	567230.13	4217023.13	1.13E-02	1.22E-02	9.84E-03	1.08E-02	1.19E-03	1.76E-03	1.04E-03	1.08E-03
58	567222.79	4217032.71	1.15E-02	1.24E-02	9.99E-03	1.10E-02	1.21E-03	1.78E-03	1.05E-03	1.10E-03
59	567215.45	4217042.3	1.16E-02	1.25E-02	1.00E-02	1.10E-02	1.21E-03	1.79E-03	1.06E-03	1.10E-03
60	567205.81	4217047.96	1.21E-02	1.31E-02	1.05E-02	1.16E-02	1.27E-03	1.88E-03	1.11E-03	1.16E-03
61	567193.86	4217049.69	1.36E-02	1.46E-02	1.18E-02	1.30E-02	1.42E-03	2.10E-03	1.24E-03	1.29E-03
62	567181.91	4217051.42	1.53E-02	1.65E-02	1.33E-02	1.46E-02	1.60E-03	2.37E-03	1.40E-03	1.46E-03
63	567169.96	4217053.15	1.75E-02	1.88E-02	1.51E-02	1.67E-02	1.83E-03	2.70E-03	1.59E-03	1.66E-03
64	567158.01	4217054.88	2.01E-02	2.17E-02	1.75E-02	1.92E-02	2.11E-03	3.12E-03	1.84E-03	1.92E-03
65	567250.19	4216992.85	1.04E-02	1.12E-02	9.00E-03	9.91E-03	1.09E-03	1.61E-03	9.48E-04	9.89E-04
66	567254.36	4217006.69	9.47E-03	1.02E-02	8.21E-03	9.04E-03	9.93E-04	1.47E-03	8.65E-04	9.02E-04
67	567246.86	4217016.5	9.86E-03	1.06E-02	8.55E-03	9.41E-03	1.03E-03	1.53E-03	9.00E-04	9.39E-04
68	567239.36	4217026.3	1.01E-02	1.09E-02	8.79E-03	9.68E-03	1.06E-03	1.57E-03	9.26E-04	9.66E-04
69	567231.85	4217036.11	1.03E-02	1.11E-02	8.92E-03	9.82E-03	1.08E-03	1.59E-03	9.39E-04	9.80E-04
70	567224.35	4217045.91	1.03E-02	1.11E-02	8.93E-03	9.83E-03	1.08E-03	1.59E-03	9.40E-04	9.81E-04
71	567210.73	4217056.61	1.06E-02	1.14E-02	9.19E-03	1.01E-02	1.11E-03	1.64E-03	9.67E-04	1.01E-03
72	567198.51	4217058.38	1.16E-02	1.25E-02	1.01E-02	1.11E-02	1.22E-03	1.80E-03	1.06E-03	1.11E-03
73	567186.29	4217060.14	1.27E-02	1.37E-02	1.10E-02	1.22E-02	1.33E-03	1.97E-03	1.16E-03	1.21E-03
74	567174.07	4217061.91	1.39E-02	1.50E-02	1.20E-02	1.33E-02	1.46E-03	2.15E-03	1.27E-03	1.32E-03
75	567161.85	4217063.68	1.49E-02	1.61E-02	1.29E-02	1.42E-02	1.56E-03	2.31E-03	1.36E-03	1.42E-03
76	567259.84	4216995.48	9.19E-03	9.92E-03	7.97E-03	8.78E-03	9.64E-04	1.42E-03	8.39E-04	8.76E-04
77	567263.94	4217009.41	8.47E-03	9.15E-03	7.35E-03	8.09E-03	8.89E-04	1.31E-03	7.74E-04	8.08E-04
78	567256.3	4217019.4	8.84E-03	9.55E-03	7.67E-03	8.45E-03	9.28E-04	1.37E-03	8.08E-04	8.43E-04
79	567248.66	4217029.39	9.10E-03	9.83E-03	7.90E-03	8.70E-03	9.55E-04	1.41E-03	8.32E-04	8.68E-04
80	567241.01	4217039.38	9.24E-03	9.98E-03	8.02E-03	8.83E-03	9.69E-04	1.43E-03	8.44E-04	8.81E-04
81	567233.37	4217049.36	9.24E-03	9.98E-03	8.02E-03	8.83E-03	9.69E-04	1.43E-03	8.44E-04	8.81E-04
82	567225.73	4217059.35	9.08E-03	9.80E-03	7.88E-03	8.67E-03	9.52E-04	1.41E-03	8.29E-04	8.65E-04
83	567215.68	4217065.25	9.26E-03	1.00E-02	8.04E-03	8.85E-03	9.72E-04	1.43E-03	8.46E-04	8.83E-04
84	567203.23	4217067.05	9.96E-03	1.08E-02	8.64E-03	9.52E-03	1.05E-03	1.54E-03	9.10E-04	9.50E-04
85	567190.79	4217068.85	1.06E-02	1.15E-02	9.23E-03	1.02E-02	1.12E-03	1.65E-03	9.72E-04	1.01E-03
86	567178.34	4217070.65	1.12E-02	1.21E-02	9.73E-03	1.07E-02	1.18E-03	1.74E-03	1.02E-03	1.07E-03
87	567165.89	4217072.46	1.15E-02	1.24E-02	9.95E-03	1.10E-02	1.20E-03	1.78E-03	1.05E-03	1.09E-03
88	567153.45	4217074.26	1.10E-02	1.18E-02	9.51E-03	1.05E-02	1.15E-03	1.70E-03	1.00E-03	1.05E-03
89	567269.48	4216998.11	8.19E-03	8.84E-03	7.11E-03	7.82E-03	8.59E-04	1.27E-03	7.48E-04	7.81E-04
90	567273.53	4217012.12	7.62E-03	8.23E-03	6.61E-03	7.28E-03	7.99E-04	1.18E-03	6.96E-04	7.27E-04
91	567265.77	4217022.26	7.98E-03	8.61E-03	6.92E-03	7.62E-03	8.37E-04	1.23E-03	7.29E-04	7.60E-04
92	567258.01	4217032.4	8.23E-03	8.88E-03	7.14E-03	7.86E-03	8.63E-04	1.27E-03	7.52E-04	7.84E-04
93	567250.25	4217042.54	8.36E-03	9.03E-03	7.26E-03	7.99E-03	8.77E-04	1.29E-03	7.64E-04	7.97E-04
94	567242.49	4217052.69	8.37E-03	9.03E-03	7.26E-03	7.99E-03	8.78E-04	1.30E-03	7.64E-04	7.97E-04
95	567234.73	4217062.83	8.22E-03	8.87E-03	7.13E-03	7.85E-03	8.62E-04	1.27E-03	7.51E-04	7.83E-04
96	567220.65	4217073.88	8.13E-03	8.78E-03	7.06E-03	7.77E-03	8.53E-04	1.26E-03	7.43E-04	7.75E-04
97	567208.01	4217075.71	8.59E-03	9.28E-03	7.46E-03	8.21E-03	9.01E-04	1.33E-03	7.85E-04	8.19E-04
98	567195.37	4217077.55	8.97E-03	9.69E-03	7.79E-03	8.57E-03	9.41E-04	1.39E-03	8.20E-04	8.55E-04
99	567182.73	4217079.38	9.20E-03	9.93E-03	7.98E-03	8.79E-03	9.65E-04	1.42E-03	8.40E-04	8.77E-04
100	567170.09	4217081.21	9.13E-03	9.85E-03	7.92E-03	8.72E-03	9.57E-04	1.41E-03	8.34E-04	8.70E-04
101	567157.45	4217083.04	8.54E-03	9.22E-03	7.41E-03	8.16E-03	8.96E-04	1.32E-03	7.80E-04	8.14E-04
102	567279.13	4217000.75	7.33E-03	7.92E-03	6.36E-03	7.01E-03	7.69E-04	1.14E-03	6.70E-04	6.99E-04
103	567283.13	4217014.82	6.89E-03	7.43E-03	5.97E-03	6.58E-03	7.22E-04	1.07E-03	6.29E-04	6.56E-04
104	567275.27	4217025.09	7.23E-03	7.80E-03	6.27E-03	6.90E-03	7.58E-04	1.12E-03	6.60E-04	6.89E-04

105	567267.41	4217035.36	7.47E-03	8.07E-03	6.48E-03	7.14E-03	7.84E-04	1.16E-03	6.83E-04	7.12E-04
106	567259.54	4217045.64	7.61E-03	8.21E-03	6.60E-03	7.27E-03	7.98E-04	1.18E-03	6.95E-04	7.25E-04
107	567251.68	4217055.91	7.62E-03	8.23E-03	6.61E-03	7.28E-03	7.99E-04	1.18E-03	6.96E-04	7.26E-04
108	567243.82	4217066.18	7.49E-03	8.09E-03	6.50E-03	7.16E-03	7.86E-04	1.16E-03	6.85E-04	7.14E-04
109	567235.96	4217076.46	7.21E-03	7.78E-03	6.25E-03	6.88E-03	7.56E-04	1.12E-03	6.58E-04	6.87E-04
110	567225.63	4217082.52	7.16E-03	7.73E-03	6.22E-03	6.84E-03	7.51E-04	1.11E-03	6.54E-04	6.83E-04
111	567212.82	4217084.37	7.45E-03	8.04E-03	6.46E-03	7.12E-03	7.81E-04	1.15E-03	6.80E-04	7.10E-04
112	567200.02	4217086.23	7.63E-03	8.24E-03	6.62E-03	7.29E-03	8.00E-04	1.18E-03	6.97E-04	7.27E-04
113	567187.22	4217088.08	7.67E-03	8.28E-03	6.65E-03	7.32E-03	8.04E-04	1.19E-03	7.00E-04	7.31E-04
114	567174.42	4217089.94	7.44E-03	8.04E-03	6.46E-03	7.11E-03	7.81E-04	1.15E-03	6.80E-04	7.10E-04
115	567161.61	4217091.79	6.88E-03	7.42E-03	5.97E-03	6.57E-03	7.21E-04	1.06E-03	6.28E-04	6.56E-04
116	567148.81	4217093.65	6.02E-03	6.49E-03	5.22E-03	5.75E-03	6.31E-04	9.31E-04	5.49E-04	5.73E-04
117	567288.78	4217003.38	6.60E-03	7.12E-03	5.73E-03	6.30E-03	6.92E-04	1.02E-03	6.03E-04	6.29E-04
118	567292.98	4217017.18	6.23E-03	6.73E-03	5.41E-03	5.95E-03	6.54E-04	9.65E-04	5.69E-04	5.94E-04
119	567285.53	4217026.92	6.55E-03	7.07E-03	5.68E-03	6.25E-03	6.87E-04	1.01E-03	5.98E-04	6.24E-04
120	567278.08	4217036.66	6.79E-03	7.32E-03	5.89E-03	6.48E-03	7.12E-04	1.05E-03	6.20E-04	6.47E-04
121	567270.62	4217046.4	6.93E-03	7.48E-03	6.01E-03	6.62E-03	7.27E-04	1.07E-03	6.33E-04	6.61E-04
122	567263.17	4217056.13	6.98E-03	7.54E-03	6.06E-03	6.67E-03	7.32E-04	1.08E-03	6.38E-04	6.66E-04
123	567255.72	4217065.87	6.92E-03	7.47E-03	6.00E-03	6.61E-03	7.26E-04	1.07E-03	6.32E-04	6.60E-04
124	567248.27	4217075.61	6.74E-03	7.28E-03	5.85E-03	6.44E-03	7.07E-04	1.04E-03	6.16E-04	6.43E-04
125	567240.82	4217085.35	6.43E-03	6.94E-03	5.58E-03	6.14E-03	6.74E-04	9.95E-04	5.87E-04	6.13E-04
126	567231.02	4217091.1	6.33E-03	6.83E-03	5.49E-03	6.04E-03	6.63E-04	9.79E-04	5.78E-04	6.03E-04
127	567218.89	4217092.85	6.48E-03	7.00E-03	5.63E-03	6.19E-03	6.80E-04	1.00E-03	5.92E-04	6.18E-04
128	567206.75	4217094.61	6.55E-03	7.07E-03	5.68E-03	6.26E-03	6.87E-04	1.01E-03	5.98E-04	6.24E-04
129	567194.61	4217096.37	6.51E-03	7.02E-03	5.65E-03	6.22E-03	6.83E-04	1.01E-03	5.94E-04	6.20E-04
130	567182.48	4217098.13	6.29E-03	6.79E-03	5.46E-03	6.01E-03	6.60E-04	9.74E-04	5.75E-04	6.00E-04
131	567170.34	4217099.88	5.87E-03	6.34E-03	5.10E-03	5.61E-03	6.16E-04	9.09E-04	5.37E-04	5.60E-04
132	567298.43	4217006.01	5.96E-03	6.43E-03	5.17E-03	5.69E-03	6.25E-04	9.23E-04	5.44E-04	5.68E-04
133	567302.58	4217019.88	5.67E-03	6.12E-03	4.92E-03	5.42E-03	5.95E-04	8.78E-04	5.18E-04	5.40E-04
134	567295.02	4217029.75	5.98E-03	6.45E-03	5.19E-03	5.71E-03	6.27E-04	9.25E-04	5.46E-04	5.70E-04
135	567287.47	4217039.62	6.21E-03	6.70E-03	5.39E-03	5.93E-03	6.51E-04	9.61E-04	5.67E-04	5.92E-04
136	567279.92	4217049.49	6.36E-03	6.86E-03	5.52E-03	6.07E-03	6.67E-04	9.84E-04	5.81E-04	6.06E-04
137	567272.36	4217059.36	6.41E-03	6.92E-03	5.56E-03	6.12E-03	6.73E-04	9.92E-04	5.86E-04	6.11E-04
138	567264.81	4217069.23	6.36E-03	6.87E-03	5.52E-03	6.08E-03	6.68E-04	9.85E-04	5.81E-04	6.07E-04
139	567257.26	4217079.1	6.21E-03	6.70E-03	5.39E-03	5.93E-03	6.51E-04	9.61E-04	5.67E-04	5.92E-04
140	567249.7	4217088.97	5.94E-03	6.41E-03	5.15E-03	5.67E-03	6.23E-04	9.20E-04	5.43E-04	5.66E-04
141	567236	4217099.73	5.61E-03	6.06E-03	4.87E-03	5.36E-03	5.89E-04	8.69E-04	5.13E-04	5.35E-04
142	567223.7	4217101.51	5.69E-03	6.15E-03	4.94E-03	5.44E-03	5.97E-04	8.81E-04	5.20E-04	5.43E-04
143	567211.4	4217103.3	5.69E-03	6.14E-03	4.93E-03	5.43E-03	5.96E-04	8.80E-04	5.19E-04	5.42E-04
144	567199.1	4217105.08	5.58E-03	6.02E-03	4.84E-03	5.33E-03	5.85E-04	8.63E-04	5.09E-04	5.32E-04
145	567149.9	4217112.2	3.83E-03	4.13E-03	3.32E-03	3.66E-03	4.01E-04	5.92E-04	3.50E-04	3.65E-04
146	567308.07	4217008.64	5.41E-03	5.84E-03	4.69E-03	5.16E-03	5.67E-04	8.37E-04	4.94E-04	5.15E-04
147	567312.18	4217022.57	5.18E-03	5.59E-03	4.49E-03	4.94E-03	5.43E-04	8.01E-04	4.73E-04	4.93E-04
148	567304.54	4217032.56	5.47E-03	5.90E-03	4.75E-03	5.22E-03	5.74E-04	8.47E-04	5.00E-04	5.21E-04
149	567296.89	4217042.55	5.70E-03	6.15E-03	4.94E-03	5.44E-03	5.98E-04	8.82E-04	5.20E-04	5.43E-04
150	567289.25	4217052.53	5.85E-03	6.31E-03	5.07E-03	5.58E-03	6.13E-04	9.05E-04	5.34E-04	5.57E-04
151	567281.61	4217062.52	5.91E-03	6.38E-03	5.13E-03	5.64E-03	6.20E-04	9.14E-04	5.40E-04	5.63E-04
152	567273.96	4217072.51	5.88E-03	6.34E-03	5.10E-03	5.61E-03	6.16E-04	9.10E-04	5.37E-04	5.60E-04
153	567266.32	4217082.5	5.75E-03	6.20E-03	4.99E-03	5.49E-03	6.03E-04	8.89E-04	5.25E-04	5.48E-04
154	567258.68	4217092.49	5.51E-03	5.95E-03	4.78E-03	5.27E-03	5.78E-04	8.53E-04	5.04E-04	5.25E-04
155	567251.03	4217102.47	5.17E-03	5.58E-03	4.49E-03	4.94E-03	5.43E-04	8.01E-04	4.72E-04	4.93E-04
156	567240.99	4217108.37	5.00E-03	5.40E-03	4.34E-03	4.78E-03	5.25E-04	7.74E-04	4.57E-04	4.77E-04
157	567228.54	4217110.17	5.03E-03	5.43E-03	4.36E-03	4.80E-03	5.27E-04	7.78E-04	4.59E-04	4.79E-04
158	567216.09	4217111.97	4.97E-03	5.37E-03	4.31E-03	4.75E-03	5.21E-04	7.69E-04	4.54E-04	4.74E-04

159	567166.31	4217119.18	3.74E-03	4.04E-03	3.24E-03	3.57E-03	3.92E-04	5.79E-04	3.42E-04	3.56E-04
160	567153.86	4217120.99	3.26E-03	3.52E-03	2.83E-03	3.11E-03	3.42E-04	5.04E-04	2.98E-04	3.10E-04
161	567141.41	4217122.79	2.80E-03	3.02E-03	2.43E-03	2.67E-03	2.94E-04	4.33E-04	2.56E-04	2.67E-04
162	567317.72	4217011.27	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.62E-04	4.50E-04	4.69E-04
163	567321.79	4217025.26	4.74E-03	5.12E-03	4.11E-03	4.53E-03	4.97E-04	7.34E-04	4.33E-04	4.52E-04
164	567314.06	4217035.35	5.02E-03	5.42E-03	4.36E-03	4.79E-03	5.27E-04	7.77E-04	4.59E-04	4.78E-04
165	567306.34	4217045.44	5.24E-03	5.66E-03	4.55E-03	5.00E-03	5.49E-04	8.11E-04	4.79E-04	4.99E-04
166	567298.62	4217055.53	5.39E-03	5.82E-03	4.68E-03	5.15E-03	5.65E-04	8.34E-04	4.92E-04	5.14E-04
167	567290.89	4217065.63	5.46E-03	5.89E-03	4.74E-03	5.21E-03	5.73E-04	8.45E-04	4.99E-04	5.20E-04
168	567283.17	4217075.72	5.44E-03	5.88E-03	4.72E-03	5.20E-03	5.71E-04	8.42E-04	4.97E-04	5.19E-04
169	567275.44	4217085.81	5.34E-03	5.76E-03	4.63E-03	5.10E-03	5.60E-04	8.26E-04	4.87E-04	5.09E-04
170	567267.72	4217095.91	5.13E-03	5.54E-03	4.46E-03	4.90E-03	5.39E-04	7.95E-04	4.69E-04	4.89E-04
171	567260	4217106	4.84E-03	5.22E-03	4.20E-03	4.62E-03	5.07E-04	7.49E-04	4.42E-04	4.61E-04
172	567245.98	4217117	4.47E-03	4.83E-03	3.88E-03	4.27E-03	4.69E-04	6.92E-04	4.09E-04	4.26E-04
173	567233.41	4217118.82	4.46E-03	4.81E-03	3.87E-03	4.26E-03	4.67E-04	6.90E-04	4.07E-04	4.25E-04
174	567195.67	4217124.29	3.94E-03	4.25E-03	3.42E-03	3.76E-03	4.13E-04	6.10E-04	3.60E-04	3.76E-04
175	567170.52	4217127.93	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.37E-04	4.98E-04	2.94E-04	3.07E-04
176	567157.94	4217129.75	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
177	567145.36	4217131.58	2.42E-03	2.62E-03	2.10E-03	2.31E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
178	567327.37	4217013.9	4.50E-03	4.85E-03	3.90E-03	4.30E-03	4.72E-04	6.96E-04	4.11E-04	4.29E-04
179	567331.4	4217027.93	4.35E-03	4.70E-03	3.78E-03	4.16E-03	4.57E-04	6.74E-04	3.98E-04	4.15E-04
180	567323.6	4217038.12	4.62E-03	4.99E-03	4.01E-03	4.41E-03	4.84E-04	7.15E-04	4.22E-04	4.40E-04
181	567315.81	4217048.31	4.83E-03	5.21E-03	4.19E-03	4.61E-03	5.07E-04	7.48E-04	4.41E-04	4.60E-04
182	567308.01	4217058.5	4.98E-03	5.37E-03	4.32E-03	4.76E-03	5.22E-04	7.71E-04	4.55E-04	4.75E-04
183	567300.21	4217068.68	5.06E-03	5.46E-03	4.39E-03	4.83E-03	5.30E-04	7.83E-04	4.62E-04	4.82E-04
184	567292.42	4217078.87	5.06E-03	5.46E-03	4.39E-03	4.83E-03	5.30E-04	7.82E-04	4.62E-04	4.82E-04
185	567284.62	4217089.06	4.97E-03	5.36E-03	4.31E-03	4.75E-03	5.21E-04	7.69E-04	4.54E-04	4.74E-04
186	567276.83	4217099.25	4.80E-03	5.18E-03	4.16E-03	4.58E-03	5.03E-04	7.43E-04	4.38E-04	4.57E-04
187	567212.9	4217131.15	3.68E-03	3.97E-03	3.19E-03	3.52E-03	3.86E-04	5.70E-04	3.36E-04	3.51E-04
188	567200.2	4217132.99	3.44E-03	3.71E-03	2.98E-03	3.28E-03	3.61E-04	5.32E-04	3.14E-04	3.28E-04
189	567174.81	4217136.67	2.80E-03	3.02E-03	2.43E-03	2.67E-03	2.93E-04	4.33E-04	2.55E-04	2.67E-04
190	567162.12	4217138.51	2.45E-03	2.64E-03	2.12E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.33E-04
191	567149.42	4217140.35	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.28E-04	1.94E-04	2.02E-04
192	567136.72	4217142.18	1.84E-03	1.98E-03	1.59E-03	1.76E-03	1.93E-04	2.84E-04	1.68E-04	1.75E-04
193	567337.02	4217016.54	4.12E-03	4.45E-03	3.58E-03	3.94E-03	4.32E-04	6.38E-04	3.77E-04	3.93E-04
194	567341.01	4217030.61	4.01E-03	4.32E-03	3.48E-03	3.83E-03	4.20E-04	6.20E-04	3.66E-04	3.82E-04
195	567333.15	4217040.88	4.26E-03	4.60E-03	3.69E-03	4.07E-03	4.47E-04	6.59E-04	3.89E-04	4.06E-04
196	567325.29	4217051.16	4.46E-03	4.82E-03	3.87E-03	4.26E-03	4.68E-04	6.91E-04	4.08E-04	4.25E-04
197	567317.43	4217061.43	4.61E-03	4.98E-03	4.00E-03	4.40E-03	4.84E-04	7.14E-04	4.21E-04	4.40E-04
198	567309.57	4217071.7	4.70E-03	5.07E-03	4.07E-03	4.48E-03	4.92E-04	7.27E-04	4.29E-04	4.48E-04
199	567301.7	4217081.97	4.71E-03	5.08E-03	4.08E-03	4.50E-03	4.94E-04	7.28E-04	4.30E-04	4.49E-04
200	567293.84	4217092.25	4.64E-03	5.01E-03	4.03E-03	4.43E-03	4.87E-04	7.18E-04	4.24E-04	4.42E-04
201	567285.98	4217102.52	4.50E-03	4.85E-03	3.90E-03	4.29E-03	4.72E-04	6.96E-04	4.11E-04	4.28E-04
202	567278.12	4217112.79	4.27E-03	4.61E-03	3.71E-03	4.08E-03	4.48E-04	6.61E-04	3.90E-04	4.07E-04
203	567243.19	4217136.12	3.55E-03	3.83E-03	3.08E-03	3.39E-03	3.72E-04	5.49E-04	3.24E-04	3.38E-04
204	567230.39	4217137.98	3.43E-03	3.70E-03	2.97E-03	3.27E-03	3.59E-04	5.31E-04	3.13E-04	3.27E-04
205	567217.59	4217139.83	3.25E-03	3.51E-03	2.82E-03	3.11E-03	3.41E-04	5.03E-04	2.97E-04	3.10E-04
206	567204.78	4217141.68	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
207	567166.38	4217147.25	2.15E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.34E-04	1.97E-04	2.05E-04
208	567153.57	4217149.1	1.87E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
209	567140.77	4217150.96	1.63E-03	1.76E-03	1.42E-03	1.56E-03	1.71E-04	2.53E-04	1.49E-04	1.56E-04
210	567346.66	4217019.17	3.79E-03	4.09E-03	3.29E-03	3.62E-03	3.98E-04	5.87E-04	3.46E-04	3.61E-04
211	567350.63	4217033.28	3.70E-03	3.99E-03	3.21E-03	3.53E-03	3.88E-04	5.72E-04	3.38E-04	3.52E-04
212	567342.71	4217043.63	3.93E-03	4.25E-03	3.41E-03	3.76E-03	4.13E-04	6.09E-04	3.59E-04	3.75E-04

213	567334.79	4217053.98	4.13E-03	4.46E-03	3.58E-03	3.95E-03	4.33E-04	6.39E-04	3.77E-04	3.94E-04
214	567326.87	4217064.33	4.28E-03	4.62E-03	3.71E-03	4.09E-03	4.49E-04	6.62E-04	3.91E-04	4.08E-04
215	567318.95	4217074.68	4.37E-03	4.72E-03	3.79E-03	4.17E-03	4.58E-04	6.76E-04	3.99E-04	4.16E-04
216	567311.02	4217085.03	4.39E-03	4.74E-03	3.81E-03	4.19E-03	4.61E-04	6.80E-04	4.01E-04	4.19E-04
217	567303.1	4217095.39	4.34E-03	4.69E-03	3.77E-03	4.15E-03	4.55E-04	6.72E-04	3.97E-04	4.14E-04
218	567295.18	4217105.74	4.22E-03	4.56E-03	3.66E-03	4.03E-03	4.43E-04	6.53E-04	3.85E-04	4.02E-04
219	567287.26	4217116.09	4.03E-03	4.35E-03	3.49E-03	3.85E-03	4.22E-04	6.23E-04	3.68E-04	3.84E-04
220	567279.34	4217126.44	3.77E-03	4.07E-03	3.27E-03	3.60E-03	3.95E-04	5.83E-04	3.44E-04	3.59E-04
221	567248.11	4217144.77	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
222	567235.21	4217146.64	3.06E-03	3.30E-03	2.66E-03	2.92E-03	3.21E-04	4.74E-04	2.80E-04	2.92E-04
223	567222.31	4217148.5	2.89E-03	3.12E-03	2.51E-03	2.76E-03	3.03E-04	4.47E-04	2.64E-04	2.75E-04
224	567209.41	4217150.37	2.68E-03	2.89E-03	2.32E-03	2.56E-03	2.81E-04	4.14E-04	2.45E-04	2.55E-04
225	567196.51	4217152.24	2.43E-03	2.63E-03	2.11E-03	2.32E-03	2.55E-04	3.77E-04	2.22E-04	2.32E-04
226	567170.71	4217155.98	1.91E-03	2.06E-03	1.66E-03	1.83E-03	2.00E-04	2.96E-04	1.75E-04	1.82E-04
227	567157.81	4217157.84	1.67E-03	1.80E-03	1.45E-03	1.60E-03	1.75E-04	2.59E-04	1.53E-04	1.59E-04
228	567144.91	4217159.71	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
229	567132.01	4217161.58	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
230	567356.31	4217021.8	3.49E-03	3.77E-03	3.03E-03	3.34E-03	3.66E-04	5.41E-04	3.19E-04	3.33E-04
231	567360.42	4217035.73	3.41E-03	3.68E-03	2.96E-03	3.26E-03	3.58E-04	5.28E-04	3.12E-04	3.25E-04
232	567352.77	4217045.72	3.63E-03	3.92E-03	3.15E-03	3.47E-03	3.81E-04	5.62E-04	3.31E-04	3.46E-04
233	567345.13	4217055.71	3.81E-03	4.12E-03	3.31E-03	3.64E-03	4.00E-04	5.90E-04	3.48E-04	3.63E-04
234	567337.49	4217065.69	3.96E-03	4.28E-03	3.44E-03	3.78E-03	4.15E-04	6.13E-04	3.62E-04	3.78E-04
235	567329.84	4217075.68	4.06E-03	4.38E-03	3.52E-03	3.88E-03	4.26E-04	6.28E-04	3.71E-04	3.87E-04
236	567322.2	4217085.67	4.10E-03	4.43E-03	3.56E-03	3.92E-03	4.30E-04	6.35E-04	3.75E-04	3.91E-04
237	567314.56	4217095.66	4.09E-03	4.41E-03	3.54E-03	3.90E-03	4.29E-04	6.32E-04	3.73E-04	3.89E-04
238	567306.91	4217105.64	4.01E-03	4.33E-03	3.48E-03	3.83E-03	4.20E-04	6.20E-04	3.66E-04	3.82E-04
239	567299.27	4217115.63	3.87E-03	4.18E-03	3.36E-03	3.70E-03	4.06E-04	5.99E-04	3.53E-04	3.69E-04
240	567291.63	4217125.62	3.67E-03	3.96E-03	3.19E-03	3.51E-03	3.85E-04	5.68E-04	3.35E-04	3.50E-04
241	567276.34	4217145.6	3.14E-03	3.39E-03	2.72E-03	3.00E-03	3.29E-04	4.86E-04	2.87E-04	2.99E-04
242	567266.3	4217151.49	2.96E-03	3.19E-03	2.57E-03	2.83E-03	3.10E-04	4.58E-04	2.70E-04	2.82E-04
243	567253.85	4217153.29	2.88E-03	3.11E-03	2.50E-03	2.75E-03	3.02E-04	4.45E-04	2.63E-04	2.74E-04
244	567241.4	4217155.1	2.76E-03	2.98E-03	2.40E-03	2.64E-03	2.90E-04	4.27E-04	2.52E-04	2.63E-04
245	567228.96	4217156.9	2.61E-03	2.82E-03	2.26E-03	2.49E-03	2.74E-04	4.04E-04	2.38E-04	2.49E-04
246	567216.51	4217158.7	2.43E-03	2.62E-03	2.10E-03	2.32E-03	2.54E-04	3.75E-04	2.22E-04	2.31E-04
247	567204.06	4217160.5	2.22E-03	2.39E-03	1.92E-03	2.12E-03	2.33E-04	3.43E-04	2.03E-04	2.11E-04
248	567166.72	4217165.91	1.57E-03	1.69E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.43E-04	1.50E-04
249	567154.27	4217167.71	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
250	567141.83	4217169.52	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
251	567129.38	4217171.32	1.10E-03	1.19E-03	9.55E-04	1.05E-03	1.15E-04	1.70E-04	1.01E-04	1.05E-04
252	567365.96	4217024.43	3.23E-03	3.48E-03	2.80E-03	3.08E-03	3.39E-04	5.00E-04	2.95E-04	3.08E-04
253	567370.03	4217038.4	3.16E-03	3.42E-03	2.75E-03	3.02E-03	3.32E-04	4.90E-04	2.89E-04	3.02E-04
254	567362.33	4217048.47	3.37E-03	3.64E-03	2.92E-03	3.22E-03	3.53E-04	5.21E-04	3.08E-04	3.21E-04
255	567354.63	4217058.54	3.55E-03	3.83E-03	3.08E-03	3.39E-03	3.72E-04	5.49E-04	3.24E-04	3.38E-04
256	567346.92	4217068.61	3.69E-03	3.98E-03	3.20E-03	3.52E-03	3.87E-04	5.71E-04	3.37E-04	3.52E-04
257	567339.22	4217078.67	3.79E-03	4.09E-03	3.29E-03	3.62E-03	3.97E-04	5.87E-04	3.46E-04	3.61E-04
258	567331.51	4217088.74	3.84E-03	4.14E-03	3.33E-03	3.67E-03	4.03E-04	5.94E-04	3.51E-04	3.66E-04
259	567323.81	4217098.81	3.83E-03	4.14E-03	3.33E-03	3.66E-03	4.02E-04	5.93E-04	3.50E-04	3.65E-04
260	567316.1	4217108.88	3.77E-03	4.07E-03	3.27E-03	3.60E-03	3.96E-04	5.84E-04	3.44E-04	3.59E-04
261	567308.4	4217118.94	3.65E-03	3.94E-03	3.17E-03	3.49E-03	3.83E-04	5.65E-04	3.34E-04	3.48E-04
262	567300.69	4217129.01	3.48E-03	3.76E-03	3.02E-03	3.32E-03	3.65E-04	5.39E-04	3.18E-04	3.32E-04
263	567285.29	4217149.15	3.00E-03	3.24E-03	2.60E-03	2.87E-03	3.15E-04	4.65E-04	2.74E-04	2.86E-04
264	567271.31	4217160.12	2.69E-03	2.90E-03	2.33E-03	2.57E-03	2.82E-04	4.16E-04	2.46E-04	2.56E-04
265	567246.21	4217163.76	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.85E-04	2.27E-04	2.37E-04
266	567233.67	4217165.57	2.34E-03	2.53E-03	2.03E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.23E-04

267	567221.12	4217167.39	2.17E-03	2.35E-03	1.89E-03	2.08E-03	2.28E-04	3.36E-04	1.99E-04	2.07E-04
268	567208.58	4217169.21	1.99E-03	2.14E-03	1.72E-03	1.90E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
269	567196.03	4217171.03	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.63E-04	1.70E-04
270	567170.94	4217174.66	1.41E-03	1.52E-03	1.23E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
271	567158.39	4217176.48	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
272	567145.84	4217178.29	1.11E-03	1.20E-03	9.66E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
273	567133.3	4217180.11	1.00E-03	1.08E-03	8.69E-04	9.57E-04	1.05E-04	1.55E-04	9.15E-05	9.55E-05
274	567375.61	4217027.06	2.99E-03	3.23E-03	2.59E-03	2.86E-03	3.14E-04	4.63E-04	2.73E-04	2.85E-04
275	567379.65	4217041.07	2.93E-03	3.17E-03	2.55E-03	2.80E-03	3.08E-04	4.54E-04	2.68E-04	2.80E-04
276	567371.89	4217051.21	3.13E-03	3.38E-03	2.72E-03	2.99E-03	3.28E-04	4.85E-04	2.86E-04	2.98E-04
277	567364.13	4217061.35	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.02E-04	3.15E-04
278	567356.37	4217071.5	3.44E-03	3.72E-03	2.99E-03	3.29E-03	3.61E-04	5.33E-04	3.14E-04	3.28E-04
279	567348.61	4217081.64	3.54E-03	3.82E-03	3.07E-03	3.38E-03	3.72E-04	5.48E-04	3.24E-04	3.38E-04
280	567340.85	4217091.78	3.60E-03	3.88E-03	3.12E-03	3.44E-03	3.77E-04	5.57E-04	3.29E-04	3.43E-04
281	567333.09	4217101.92	3.60E-03	3.89E-03	3.12E-03	3.44E-03	3.78E-04	5.57E-04	3.29E-04	3.43E-04
282	567325.33	4217112.06	3.55E-03	3.84E-03	3.08E-03	3.39E-03	3.73E-04	5.50E-04	3.25E-04	3.39E-04
283	567317.57	4217122.2	3.45E-03	3.73E-03	3.00E-03	3.30E-03	3.62E-04	5.34E-04	3.15E-04	3.29E-04
284	567309.81	4217132.34	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.02E-04	3.15E-04
285	567294.28	4217152.63	2.87E-03	3.10E-03	2.49E-03	2.75E-03	3.01E-04	4.45E-04	2.63E-04	2.74E-04
286	567286.52	4217162.77	2.62E-03	2.83E-03	2.27E-03	2.50E-03	2.75E-04	4.06E-04	2.39E-04	2.50E-04
287	567276.32	4217168.75	2.45E-03	2.65E-03	2.13E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.34E-04
288	567251.05	4217172.41	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.49E-04	2.06E-04	2.15E-04
289	567238.41	4217174.24	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.02E-04
290	567225.77	4217176.08	1.96E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.87E-04
291	567213.13	4217177.91	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.87E-04	2.77E-04	1.63E-04	1.70E-04
292	567200.49	4217179.74	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
293	567175.22	4217183.4	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
294	567162.58	4217185.23	1.14E-03	1.23E-03	9.85E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
295	567149.94	4217187.06	1.01E-03	1.10E-03	8.80E-04	9.69E-04	1.06E-04	1.57E-04	9.27E-05	9.67E-05
296	567137.3	4217188.89	9.16E-04	9.89E-04	7.95E-04	8.75E-04	9.61E-05	1.42E-04	8.37E-05	8.73E-05
297	567124.66	4217190.72	8.39E-04	9.06E-04	7.28E-04	8.01E-04	8.80E-05	1.30E-04	7.66E-05	8.00E-05
298	567385.25	4217029.7	2.77E-03	2.99E-03	2.40E-03	2.65E-03	2.91E-04	4.29E-04	2.53E-04	2.64E-04
299	567389.28	4217043.74	2.73E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.60E-04
300	567381.46	4217053.95	2.91E-03	3.14E-03	2.53E-03	2.78E-03	3.05E-04	4.51E-04	2.66E-04	2.78E-04
301	567373.65	4217064.16	3.08E-03	3.33E-03	2.67E-03	2.94E-03	3.23E-04	4.77E-04	2.81E-04	2.94E-04
302	567365.84	4217074.37	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.37E-04	4.98E-04	2.94E-04	3.07E-04
303	567358.02	4217084.58	3.32E-03	3.58E-03	2.88E-03	3.17E-03	3.48E-04	5.14E-04	3.03E-04	3.16E-04
304	567350.21	4217094.79	3.38E-03	3.64E-03	2.93E-03	3.23E-03	3.54E-04	5.23E-04	3.08E-04	3.22E-04
305	567342.4	4217104.99	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.55E-04	5.25E-04	3.10E-04	3.23E-04
306	567334.58	4217115.2	3.35E-03	3.62E-03	2.91E-03	3.20E-03	3.52E-04	5.19E-04	3.06E-04	3.20E-04
307	567326.77	4217125.41	3.27E-03	3.53E-03	2.84E-03	3.12E-03	3.43E-04	5.06E-04	2.99E-04	3.12E-04
308	567318.96	4217135.62	3.14E-03	3.39E-03	2.72E-03	3.00E-03	3.29E-04	4.86E-04	2.87E-04	2.99E-04
309	567303.33	4217156.04	2.76E-03	2.98E-03	2.39E-03	2.63E-03	2.89E-04	4.27E-04	2.52E-04	2.63E-04
310	567295.52	4217166.25	2.52E-03	2.72E-03	2.19E-03	2.41E-03	2.65E-04	3.91E-04	2.31E-04	2.41E-04
311	567281.34	4217177.38	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
312	567268.62	4217179.23	2.15E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.33E-04	1.97E-04	2.05E-04
313	567243.17	4217182.91	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
314	567230.45	4217184.76	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
315	567217.72	4217186.6	1.62E-03	1.74E-03	1.40E-03	1.54E-03	1.70E-04	2.50E-04	1.48E-04	1.54E-04
316	567205	4217188.44	1.46E-03	1.57E-03	1.27E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
317	567192.28	4217190.28	1.31E-03	1.41E-03	1.13E-03	1.25E-03	1.37E-04	2.02E-04	1.19E-04	1.24E-04
318	567166.83	4217193.97	1.04E-03	1.12E-03	8.99E-04	9.90E-04	1.09E-04	1.60E-04	9.47E-05	9.88E-05
319	567154.11	4217195.81	9.29E-04	1.00E-03	8.06E-04	8.88E-04	9.75E-05	1.44E-04	8.49E-05	8.86E-05
320	567141.38	4217197.65	8.42E-04	9.08E-04	7.30E-04	8.04E-04	8.83E-05	1.30E-04	7.69E-05	8.02E-05

321	567128.66	4217199.5	7.73E-04	8.34E-04	6.71E-04	7.38E-04	8.11E-05	1.20E-04	7.06E-05	7.37E-05
322	567394.9	4217032.33	2.58E-03	2.78E-03	2.24E-03	2.46E-03	2.70E-04	3.99E-04	2.36E-04	2.46E-04
323	567398.9	4217046.4	2.55E-03	2.75E-03	2.21E-03	2.43E-03	2.67E-04	3.94E-04	2.33E-04	2.43E-04
324	567391.04	4217056.67	2.72E-03	2.93E-03	2.36E-03	2.60E-03	2.85E-04	4.21E-04	2.48E-04	2.59E-04
325	567383.17	4217066.95	2.88E-03	3.11E-03	2.50E-03	2.75E-03	3.02E-04	4.46E-04	2.63E-04	2.75E-04
326	567375.31	4217077.22	3.01E-03	3.25E-03	2.61E-03	2.88E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
327	567367.45	4217087.49	3.11E-03	3.36E-03	2.70E-03	2.97E-03	3.26E-04	4.82E-04	2.84E-04	2.97E-04
328	567359.59	4217097.77	3.17E-03	3.43E-03	2.75E-03	3.03E-03	3.33E-04	4.91E-04	2.90E-04	3.02E-04
329	567351.73	4217108.04	3.19E-03	3.45E-03	2.77E-03	3.05E-03	3.35E-04	4.94E-04	2.92E-04	3.04E-04
330	567343.87	4217118.31	3.17E-03	3.42E-03	2.75E-03	3.03E-03	3.32E-04	4.90E-04	2.89E-04	3.02E-04
331	567336	4217128.59	3.10E-03	3.34E-03	2.69E-03	2.96E-03	3.25E-04	4.79E-04	2.83E-04	2.95E-04
332	567328.14	4217138.86	2.98E-03	3.22E-03	2.59E-03	2.85E-03	3.13E-04	4.62E-04	2.73E-04	2.84E-04
333	567312.42	4217159.4	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.77E-04	4.09E-04	2.42E-04	2.52E-04
334	567304.56	4217169.68	2.43E-03	2.63E-03	2.11E-03	2.33E-03	2.55E-04	3.77E-04	2.22E-04	2.32E-04
335	567296.7	4217179.95	2.21E-03	2.38E-03	1.91E-03	2.11E-03	2.31E-04	3.41E-04	2.02E-04	2.10E-04
336	567286.36	4217186.01	2.05E-03	2.22E-03	1.78E-03	1.96E-03	2.15E-04	3.18E-04	1.88E-04	1.96E-04
337	567273.56	4217187.87	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.05E-04	1.80E-04	1.88E-04
338	567247.96	4217191.58	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
339	567235.15	4217193.43	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
340	567222.35	4217195.29	1.47E-03	1.59E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
341	567209.55	4217197.14	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
342	567196.75	4217198.99	1.19E-03	1.28E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.13E-04
343	567171.14	4217202.7	9.51E-04	1.03E-03	8.25E-04	9.08E-04	9.97E-05	1.47E-04	8.68E-05	9.06E-05
344	567158.34	4217204.56	8.55E-04	9.23E-04	7.42E-04	8.16E-04	8.97E-05	1.32E-04	7.81E-05	8.15E-05
345	567145.54	4217206.41	7.76E-04	8.38E-04	6.74E-04	7.42E-04	8.14E-05	1.20E-04	7.09E-05	7.40E-05
346	567132.73	4217208.26	7.15E-04	7.71E-04	6.20E-04	6.83E-04	7.50E-05	1.11E-04	6.53E-05	6.81E-05
347	567119.93	4217210.12	6.68E-04	7.21E-04	5.79E-04	6.38E-04	7.00E-05	1.03E-04	6.10E-05	6.36E-05
348	567404.55	4217034.96	2.40E-03	2.60E-03	2.09E-03	2.30E-03	2.52E-04	3.72E-04	2.20E-04	2.29E-04
349	567408.52	4217049.06	2.38E-03	2.57E-03	2.07E-03	2.27E-03	2.50E-04	3.69E-04	2.18E-04	2.27E-04
350	567400.62	4217059.39	2.54E-03	2.74E-03	2.20E-03	2.43E-03	2.67E-04	3.93E-04	2.32E-04	2.42E-04
351	567392.71	4217069.73	2.69E-03	2.90E-03	2.33E-03	2.57E-03	2.82E-04	4.16E-04	2.46E-04	2.56E-04
352	567384.8	4217080.06	2.82E-03	3.05E-03	2.45E-03	2.70E-03	2.96E-04	4.37E-04	2.58E-04	2.69E-04
353	567376.9	4217090.39	2.92E-03	3.15E-03	2.53E-03	2.79E-03	3.06E-04	4.52E-04	2.67E-04	2.78E-04
354	567368.99	4217100.72	2.99E-03	3.22E-03	2.59E-03	2.85E-03	3.13E-04	4.62E-04	2.73E-04	2.85E-04
355	567361.08	4217111.05	3.01E-03	3.25E-03	2.61E-03	2.88E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
356	567353.17	4217121.39	3.00E-03	3.23E-03	2.60E-03	2.86E-03	3.14E-04	4.64E-04	2.74E-04	2.86E-04
357	567345.27	4217131.72	2.94E-03	3.17E-03	2.55E-03	2.81E-03	3.08E-04	4.55E-04	2.68E-04	2.80E-04
358	567337.36	4217142.05	2.84E-03	3.07E-03	2.46E-03	2.71E-03	2.98E-04	4.40E-04	2.59E-04	2.71E-04
359	567321.55	4217162.72	2.54E-03	2.74E-03	2.20E-03	2.43E-03	2.66E-04	3.93E-04	2.32E-04	2.42E-04
360	567313.64	4217173.05	2.35E-03	2.54E-03	2.04E-03	2.24E-03	2.46E-04	3.64E-04	2.15E-04	2.24E-04
361	567305.73	4217183.38	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
362	567291.39	4217194.64	1.89E-03	2.04E-03	1.64E-03	1.80E-03	1.98E-04	2.92E-04	1.72E-04	1.80E-04
363	567278.51	4217196.51	1.80E-03	1.95E-03	1.57E-03	1.72E-03	1.89E-04	2.79E-04	1.65E-04	1.72E-04
364	567252.76	4217200.24	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
365	567239.88	4217202.1	1.47E-03	1.59E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
366	567227.01	4217203.97	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.07E-04	1.22E-04	1.28E-04
367	567214.13	4217205.83	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
368	567201.26	4217207.7	1.09E-03	1.18E-03	9.45E-04	1.04E-03	1.14E-04	1.69E-04	9.95E-05	1.04E-04
369	567175.5	4217211.43	8.75E-04	9.45E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	7.99E-05	8.34E-05
370	567162.63	4217213.29	7.89E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.52E-05
371	567149.75	4217215.16	7.19E-04	7.76E-04	6.24E-04	6.87E-04	7.54E-05	1.11E-04	6.57E-05	6.85E-05
372	567136.88	4217217.02	6.63E-04	7.16E-04	5.75E-04	6.34E-04	6.96E-05	1.03E-04	6.06E-05	6.32E-05
373	567124	4217218.89	6.20E-04	6.70E-04	5.38E-04	5.93E-04	6.51E-05	9.60E-05	5.67E-05	5.91E-05
374	567410.59	4217061.61	2.37E-03	2.56E-03	2.06E-03	2.27E-03	2.49E-04	3.67E-04	2.17E-04	2.26E-04

375	567402.89	4217071.66	2.51E-03	2.71E-03	2.18E-03	2.40E-03	2.63E-04	3.88E-04	2.29E-04	2.39E-04
376	567395.2	4217081.71	2.63E-03	2.84E-03	2.28E-03	2.51E-03	2.76E-04	4.07E-04	2.40E-04	2.51E-04
377	567387.51	4217091.76	2.73E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.61E-04
378	567379.81	4217101.81	2.80E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
379	567372.12	4217111.87	2.84E-03	3.07E-03	2.46E-03	2.71E-03	2.98E-04	4.40E-04	2.59E-04	2.71E-04
380	567364.43	4217121.92	2.84E-03	3.07E-03	2.47E-03	2.71E-03	2.98E-04	4.40E-04	2.60E-04	2.71E-04
381	567356.74	4217131.97	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.94E-04	4.35E-04	2.56E-04	2.68E-04
382	567349.04	4217142.02	2.74E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.24E-04	2.50E-04	2.61E-04
383	567325.97	4217172.18	2.34E-03	2.52E-03	2.03E-03	2.23E-03	2.45E-04	3.62E-04	2.14E-04	2.23E-04
384	567318.27	4217182.23	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.27E-04	3.34E-04	1.97E-04	2.06E-04
385	567310.58	4217192.28	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
386	567296.62	4217203.24	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.82E-04	2.69E-04	1.59E-04	1.66E-04
387	567284.1	4217205.06	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
388	567271.57	4217206.87	1.57E-03	1.70E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.44E-04	1.50E-04
389	567246.52	4217210.5	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
390	567233.99	4217212.31	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
391	567221.46	4217214.13	1.14E-03	1.23E-03	9.86E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
392	567208.93	4217215.94	1.03E-03	1.11E-03	8.91E-04	9.81E-04	1.08E-04	1.59E-04	9.38E-05	9.79E-05
393	567196.41	4217217.76	9.26E-04	9.99E-04	8.03E-04	8.84E-04	9.71E-05	1.43E-04	8.46E-05	8.82E-05
394	567171.35	4217221.39	7.56E-04	8.16E-04	6.56E-04	7.22E-04	7.93E-05	1.17E-04	6.91E-05	7.21E-05
395	567158.83	4217223.2	6.90E-04	7.45E-04	5.99E-04	6.59E-04	7.24E-05	1.07E-04	6.30E-05	6.58E-05
396	567146.3	4217225.02	6.37E-04	6.87E-04	5.52E-04	6.08E-04	6.68E-05	9.85E-05	5.81E-05	6.07E-05
397	567133.77	4217226.83	5.94E-04	6.41E-04	5.16E-04	5.68E-04	6.23E-05	9.20E-05	5.43E-05	5.66E-05
398	567121.24	4217228.64	5.62E-04	6.06E-04	4.87E-04	5.36E-04	5.89E-05	8.69E-05	5.13E-05	5.35E-05
399	567404.69	4217084.55	2.47E-03	2.66E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.25E-04	2.35E-04
400	567396.95	4217094.67	2.57E-03	2.78E-03	2.23E-03	2.46E-03	2.70E-04	3.98E-04	2.35E-04	2.45E-04
401	567389.21	4217104.78	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.09E-04	2.41E-04	2.52E-04
402	567381.47	4217114.89	2.68E-03	2.90E-03	2.33E-03	2.56E-03	2.82E-04	4.15E-04	2.45E-04	2.56E-04
403	567373.73	4217125	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.82E-04	4.17E-04	2.46E-04	2.57E-04
404	567365.99	4217135.12	2.67E-03	2.88E-03	2.31E-03	2.55E-03	2.80E-04	4.13E-04	2.44E-04	2.54E-04
405	567358.25	4217145.23	2.61E-03	2.81E-03	2.26E-03	2.49E-03	2.73E-04	4.03E-04	2.38E-04	2.48E-04
406	567327.3	4217185.68	2.09E-03	2.26E-03	1.81E-03	2.00E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
407	567319.56	4217195.79	1.91E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.96E-04	1.75E-04	1.82E-04
408	567311.82	4217205.9	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.82E-04	2.68E-04	1.58E-04	1.65E-04
409	567301.65	4217211.87	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.49E-04	1.47E-04	1.53E-04
410	567289.05	4217213.7	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
411	567276.44	4217215.52	1.45E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
412	567251.24	4217219.17	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
413	567238.64	4217221	1.15E-03	1.24E-03	9.96E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
414	567226.03	4217222.82	1.04E-03	1.13E-03	9.07E-04	9.98E-04	1.10E-04	1.62E-04	9.54E-05	9.96E-05
415	567213.43	4217224.65	9.46E-04	1.02E-03	8.21E-04	9.04E-04	9.92E-05	1.46E-04	8.64E-05	9.02E-05
416	567200.83	4217226.47	8.55E-04	9.23E-04	7.42E-04	8.17E-04	8.97E-05	1.32E-04	7.81E-05	8.15E-05
417	567175.62	4217230.13	7.01E-04	7.57E-04	6.09E-04	6.70E-04	7.36E-05	1.09E-04	6.41E-05	6.69E-05
418	567163.02	4217231.95	6.42E-04	6.93E-04	5.57E-04	6.13E-04	6.73E-05	9.94E-05	5.86E-05	6.12E-05
419	567150.42	4217233.78	5.93E-04	6.41E-04	5.15E-04	5.67E-04	6.22E-05	9.19E-05	5.42E-05	5.66E-05
420	567137.82	4217235.6	5.55E-04	5.99E-04	4.82E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
421	567125.21	4217237.43	5.25E-04	5.67E-04	4.56E-04	5.02E-04	5.51E-05	8.13E-05	4.80E-05	5.00E-05
422	567437.53	4217056.88	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
423	567406.4	4217097.55	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.53E-04	3.74E-04	2.21E-04	2.30E-04
424	567398.62	4217107.72	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.86E-04	2.28E-04	2.38E-04
425	567390.83	4217117.89	2.54E-03	2.74E-03	2.20E-03	2.42E-03	2.66E-04	3.93E-04	2.32E-04	2.42E-04
426	567383.05	4217128.06	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
427	567375.27	4217138.23	2.53E-03	2.74E-03	2.20E-03	2.42E-03	2.66E-04	3.92E-04	2.31E-04	2.42E-04
428	567367.49	4217148.4	2.48E-03	2.68E-03	2.16E-03	2.37E-03	2.61E-04	3.84E-04	2.27E-04	2.37E-04

429	567351.92	4217168.74	2.30E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.10E-04	2.19E-04
430	567328.58	4217199.25	1.86E-03	2.01E-03	1.61E-03	1.78E-03	1.95E-04	2.88E-04	1.70E-04	1.77E-04
431	567320.79	4217209.42	1.69E-03	1.82E-03	1.47E-03	1.61E-03	1.77E-04	2.62E-04	1.54E-04	1.61E-04
432	567306.67	4217220.5	1.49E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
433	567294	4217222.34	1.41E-03	1.53E-03	1.23E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
434	567281.33	4217224.17	1.33E-03	1.44E-03	1.16E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
435	567268.65	4217226.01	1.25E-03	1.34E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
436	567243.31	4217229.68	1.06E-03	1.14E-03	9.18E-04	1.01E-03	1.11E-04	1.64E-04	9.67E-05	1.01E-04
437	567230.64	4217231.52	9.64E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
438	567217.96	4217233.35	8.75E-04	9.44E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	7.99E-05	8.34E-05
439	567205.29	4217235.19	7.92E-04	8.55E-04	6.87E-04	7.56E-04	8.31E-05	1.23E-04	7.23E-05	7.55E-05
440	567192.62	4217237.02	7.18E-04	7.75E-04	6.23E-04	6.85E-04	7.53E-05	1.11E-04	6.55E-05	6.84E-05
441	567167.27	4217240.69	5.99E-04	6.46E-04	5.20E-04	5.72E-04	6.28E-05	9.27E-05	5.47E-05	5.71E-05
442	567154.6	4217242.53	5.55E-04	5.99E-04	4.81E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
443	567141.92	4217244.36	5.20E-04	5.61E-04	4.51E-04	4.96E-04	5.45E-05	8.04E-05	4.75E-05	4.95E-05
444	567129.25	4217246.2	4.92E-04	5.31E-04	4.27E-04	4.70E-04	5.16E-05	7.62E-05	4.50E-05	4.69E-05
445	567116.58	4217248.03	4.72E-04	5.09E-04	4.09E-04	4.50E-04	4.95E-05	7.30E-05	4.31E-05	4.49E-05
446	567443.14	4217045.49	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.78E-04
447	567447.15	4217059.53	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.79E-04
448	567439.33	4217069.76	1.98E-03	2.14E-03	1.72E-03	1.90E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
449	567431.51	4217079.98	2.09E-03	2.26E-03	1.82E-03	2.00E-03	2.20E-04	3.24E-04	1.91E-04	2.00E-04
450	567408.04	4217110.65	2.35E-03	2.54E-03	2.04E-03	2.24E-03	2.46E-04	3.64E-04	2.15E-04	2.24E-04
451	567400.22	4217120.87	2.40E-03	2.59E-03	2.08E-03	2.29E-03	2.52E-04	3.72E-04	2.19E-04	2.29E-04
452	567392.39	4217131.09	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
453	567384.57	4217141.32	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.53E-04	3.73E-04	2.20E-04	2.30E-04
454	567376.75	4217151.54	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.49E-04	3.67E-04	2.16E-04	2.26E-04
455	567361.1	4217171.98	2.20E-03	2.38E-03	1.91E-03	2.11E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
456	567353.28	4217182.21	2.09E-03	2.25E-03	1.81E-03	2.00E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
457	567345.45	4217192.43	1.96E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.86E-04
458	567329.81	4217212.88	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.55E-04	1.51E-04	1.57E-04
459	567321.98	4217223.1	1.49E-03	1.61E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
460	567311.7	4217229.13	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.13E-04	1.26E-04	1.31E-04
461	567298.96	4217230.98	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
462	567286.22	4217232.82	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
463	567273.48	4217234.67	1.15E-03	1.24E-03	9.99E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
464	567248	4217238.36	9.79E-04	1.06E-03	8.49E-04	9.35E-04	1.03E-04	1.51E-04	8.94E-05	9.33E-05
465	567235.26	4217240.2	8.93E-04	9.64E-04	7.75E-04	8.53E-04	9.37E-05	1.38E-04	8.16E-05	8.51E-05
466	567222.52	4217242.05	8.11E-04	8.76E-04	7.04E-04	7.75E-04	8.51E-05	1.26E-04	7.41E-05	7.73E-05
467	567209.78	4217243.89	7.36E-04	7.94E-04	6.38E-04	7.03E-04	7.72E-05	1.14E-04	6.72E-05	7.01E-05
468	567197.04	4217245.74	6.68E-04	7.21E-04	5.80E-04	6.38E-04	7.01E-05	1.03E-04	6.10E-05	6.37E-05
469	567171.57	4217249.43	5.60E-04	6.05E-04	4.86E-04	5.35E-04	5.88E-05	8.67E-05	5.12E-05	5.34E-05
470	567158.83	4217251.27	5.20E-04	5.61E-04	4.51E-04	4.97E-04	5.45E-05	8.05E-05	4.75E-05	4.96E-05
471	567146.09	4217253.12	4.88E-04	5.26E-04	4.23E-04	4.66E-04	5.12E-05	7.55E-05	4.45E-05	4.65E-05
472	567133.35	4217254.96	4.63E-04	4.99E-04	4.01E-04	4.42E-04	4.85E-05	7.16E-05	4.23E-05	4.41E-05
473	567120.61	4217256.81	4.43E-04	4.79E-04	3.85E-04	4.24E-04	4.65E-05	6.86E-05	4.05E-05	4.23E-05
474	567452.79	4217048.12	1.77E-03	1.92E-03	1.54E-03	1.70E-03	1.86E-04	2.75E-04	1.62E-04	1.69E-04
475	567456.78	4217062.19	1.77E-03	1.92E-03	1.54E-03	1.70E-03	1.86E-04	2.75E-04	1.62E-04	1.69E-04
476	567448.92	4217072.46	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
477	567441.06	4217082.74	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
478	567433.2	4217093.01	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.18E-04	3.21E-04	1.89E-04	1.98E-04
479	567401.75	4217134.1	2.30E-03	2.48E-03	2.00E-03	2.20E-03	2.41E-04	3.56E-04	2.10E-04	2.19E-04
480	567393.89	4217144.38	2.29E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.10E-04	2.19E-04
481	567386.03	4217154.65	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.07E-04	2.16E-04
482	567362.44	4217185.47	2.01E-03	2.17E-03	1.75E-03	1.92E-03	2.11E-04	3.12E-04	1.84E-04	1.92E-04

483	567354.58	4217195.74	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.98E-04	2.93E-04	1.73E-04	1.80E-04
484	567346.72	4217206.01	1.76E-03	1.90E-03	1.52E-03	1.68E-03	1.84E-04	2.72E-04	1.60E-04	1.67E-04
485	567331	4217226.56	1.46E-03	1.58E-03	1.27E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
486	567316.73	4217237.76	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
487	567303.93	4217239.62	1.22E-03	1.31E-03	1.05E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
488	567291.13	4217241.47	1.14E-03	1.24E-03	9.93E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
489	567278.33	4217243.32	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
490	567252.72	4217247.03	9.08E-04	9.80E-04	7.87E-04	8.67E-04	9.52E-05	1.40E-04	8.29E-05	8.65E-05
491	567239.92	4217248.89	8.29E-04	8.95E-04	7.19E-04	7.92E-04	8.70E-05	1.28E-04	7.57E-05	7.90E-05
492	567227.11	4217250.74	7.54E-04	8.14E-04	6.55E-04	7.21E-04	7.91E-05	1.17E-04	6.89E-05	7.19E-05
493	567214.31	4217252.59	6.86E-04	7.40E-04	5.95E-04	6.55E-04	7.19E-05	1.06E-04	6.26E-05	6.54E-05
494	567201.51	4217254.45	6.24E-04	6.74E-04	5.42E-04	5.96E-04	6.55E-05	9.66E-05	5.70E-05	5.95E-05
495	567175.9	4217258.16	5.26E-04	5.67E-04	4.56E-04	5.02E-04	5.51E-05	8.14E-05	4.80E-05	5.01E-05
496	567163.1	4217260.01	4.89E-04	5.27E-04	4.24E-04	4.67E-04	5.12E-05	7.56E-05	4.46E-05	4.66E-05
497	567150.3	4217261.87	4.59E-04	4.95E-04	3.98E-04	4.38E-04	4.81E-05	7.10E-05	4.19E-05	4.37E-05
498	567137.5	4217263.72	4.36E-04	4.70E-04	3.78E-04	4.16E-04	4.57E-05	6.74E-05	3.98E-05	4.15E-05
499	567124.69	4217265.57	4.18E-04	4.51E-04	3.63E-04	3.99E-04	4.38E-05	6.47E-05	3.82E-05	3.98E-05
500	567462.43	4217050.75	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.60E-04
501	567466.41	4217064.85	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.60E-04
502	567458.51	4217075.17	1.78E-03	1.93E-03	1.55E-03	1.70E-03	1.87E-04	2.76E-04	1.63E-04	1.70E-04
503	567450.62	4217085.49	1.88E-03	2.03E-03	1.63E-03	1.79E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
504	567442.72	4217095.81	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.05E-04	1.80E-04	1.88E-04
505	567434.82	4217106.13	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
506	567403.23	4217147.41	2.19E-03	2.36E-03	1.90E-03	2.09E-03	2.29E-04	3.38E-04	2.00E-04	2.08E-04
507	567395.33	4217157.73	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.27E-04	3.34E-04	1.97E-04	2.06E-04
508	567371.64	4217188.69	1.94E-03	2.10E-03	1.68E-03	1.85E-03	2.04E-04	3.00E-04	1.77E-04	1.85E-04
509	567363.74	4217199.02	1.83E-03	1.98E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
510	567355.84	4217209.34	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
511	567347.94	4217219.66	1.57E-03	1.70E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.44E-04	1.50E-04
512	567321.76	4217246.39	1.19E-03	1.29E-03	1.03E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
513	567308.9	4217248.25	1.13E-03	1.22E-03	9.81E-04	1.08E-03	1.19E-04	1.75E-04	1.03E-04	1.08E-04
514	567296.04	4217250.12	1.06E-03	1.15E-03	9.23E-04	1.02E-03	1.12E-04	1.65E-04	9.71E-05	1.01E-04
515	567283.18	4217251.98	9.92E-04	1.07E-03	8.61E-04	9.47E-04	1.04E-04	1.54E-04	9.06E-05	9.45E-05
516	567270.32	4217253.84	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
517	567244.59	4217257.57	7.72E-04	8.33E-04	6.70E-04	7.37E-04	8.10E-05	1.19E-04	7.05E-05	7.36E-05
518	567231.73	4217259.43	7.04E-04	7.60E-04	6.10E-04	6.72E-04	7.38E-05	1.09E-04	6.43E-05	6.71E-05
519	567218.87	4217261.29	6.41E-04	6.92E-04	5.56E-04	6.12E-04	6.72E-05	9.92E-05	5.85E-05	6.11E-05
520	567206.01	4217263.15	5.84E-04	6.31E-04	5.07E-04	5.58E-04	6.13E-05	9.05E-05	5.34E-05	5.57E-05
521	567193.15	4217265.02	5.35E-04	5.78E-04	4.65E-04	5.11E-04	5.62E-05	8.29E-05	4.89E-05	5.10E-05
522	567472.08	4217053.38	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.52E-04
523	567208.74	4216964.73	2.16E-02	2.33E-02	1.87E-02	2.06E-02	2.26E-03	3.34E-03	1.97E-03	2.06E-03
524	567217.66	4216969.25	1.80E-02	1.94E-02	1.56E-02	1.72E-02	1.89E-03	2.79E-03	1.64E-03	1.72E-03
525	567226.58	4216973.77	1.53E-02	1.65E-02	1.33E-02	1.46E-02	1.60E-03	2.37E-03	1.40E-03	1.46E-03
526	567233.83	4216959.46	1.42E-02	1.53E-02	1.23E-02	1.36E-02	1.49E-03	2.20E-03	1.30E-03	1.35E-03
527	567235.51	4216978.29	1.32E-02	1.42E-02	1.14E-02	1.26E-02	1.38E-03	2.04E-03	1.20E-03	1.26E-03
528	567242.75	4216963.97	1.22E-02	1.32E-02	1.06E-02	1.16E-02	1.28E-03	1.89E-03	1.11E-03	1.16E-03
529	567248.05	4216975.65	1.11E-02	1.20E-02	9.64E-03	1.06E-02	1.17E-03	1.72E-03	1.01E-03	1.06E-03
530	567255.3	4216961.34	9.99E-03	1.08E-02	8.67E-03	9.55E-03	1.05E-03	1.55E-03	9.13E-04	9.53E-04
531	567256.97	4216980.17	9.77E-03	1.05E-02	8.48E-03	9.33E-03	1.02E-03	1.51E-03	8.93E-04	9.31E-04
532	567264.22	4216965.85	8.80E-03	9.50E-03	7.63E-03	8.41E-03	9.23E-04	1.36E-03	8.04E-04	8.39E-04
533	567265.89	4216984.68	8.68E-03	9.37E-03	7.53E-03	8.29E-03	9.10E-04	1.34E-03	7.93E-04	8.27E-04
534	567273.14	4216970.37	7.84E-03	8.46E-03	6.80E-03	7.49E-03	8.22E-04	1.21E-03	7.16E-04	7.47E-04
535	567274.81	4216989.2	7.77E-03	8.39E-03	6.74E-03	7.42E-03	8.15E-04	1.20E-03	7.10E-04	7.41E-04
536	567282.06	4216974.89	7.04E-03	7.59E-03	6.10E-03	6.72E-03	7.38E-04	1.09E-03	6.43E-04	6.71E-04

537	567287.36	4216986.56	6.70E-03	7.23E-03	5.81E-03	6.40E-03	7.03E-04	1.04E-03	6.12E-04	6.38E-04
538	567296.28	4216991.08	6.07E-03	6.55E-03	5.27E-03	5.80E-03	6.37E-04	9.40E-04	5.55E-04	5.79E-04
539	567344.51	4217006.52	3.80E-03	4.10E-03	3.29E-03	3.63E-03	3.98E-04	5.88E-04	3.47E-04	3.62E-04
540	567353.43	4217011.03	3.53E-03	3.81E-03	3.06E-03	3.37E-03	3.70E-04	5.46E-04	3.22E-04	3.36E-04
541	567451.29	4217105.55	1.88E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
542	567458.54	4217091.23	1.80E-03	1.95E-03	1.56E-03	1.72E-03	1.89E-04	2.79E-04	1.65E-04	1.72E-04
543	567229.97	4216946.94	1.54E-02	1.66E-02	1.33E-02	1.47E-02	1.61E-03	2.38E-03	1.40E-03	1.46E-03
544	567243.15	4216946.08	1.19E-02	1.28E-02	1.03E-02	1.13E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
545	567251.12	4216952.11	1.05E-02	1.13E-02	9.11E-03	1.00E-02	1.10E-03	1.63E-03	9.59E-04	1.00E-03
546	567224.05	4216899.29	1.15E-02	1.24E-02	9.98E-03	1.10E-02	1.21E-03	1.78E-03	1.05E-03	1.10E-03
547	567211.98	4216887.14	1.17E-02	1.26E-02	1.02E-02	1.12E-02	1.23E-03	1.81E-03	1.07E-03	1.12E-03
548	567188.26	4216870.6	1.21E-02	1.31E-02	1.05E-02	1.15E-02	1.27E-03	1.87E-03	1.10E-03	1.15E-03
549	567180.35	4216865.08	1.19E-02	1.28E-02	1.03E-02	1.14E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
550	567172.45	4216859.57	1.16E-02	1.25E-02	1.00E-02	1.10E-02	1.21E-03	1.79E-03	1.06E-03	1.10E-03
551	567164.54	4216854.06	1.11E-02	1.20E-02	9.64E-03	1.06E-02	1.17E-03	1.72E-03	1.01E-03	1.06E-03
552	567156.63	4216848.54	1.05E-02	1.13E-02	9.12E-03	1.00E-02	1.10E-03	1.63E-03	9.60E-04	1.00E-03
553	567148.73	4216843.03	9.76E-03	1.05E-02	8.47E-03	9.33E-03	1.02E-03	1.51E-03	8.92E-04	9.31E-04
554	567140.82	4216837.51	8.89E-03	9.60E-03	7.71E-03	8.49E-03	9.33E-04	1.38E-03	8.12E-04	8.47E-04
555	567132.91	4216832	7.93E-03	8.56E-03	6.88E-03	7.57E-03	8.31E-04	1.23E-03	7.24E-04	7.56E-04
556	567125	4216826.48	6.93E-03	7.48E-03	6.01E-03	6.62E-03	7.27E-04	1.07E-03	6.33E-04	6.60E-04
557	567229.77	4216891.09	9.01E-03	9.72E-03	7.82E-03	8.60E-03	9.45E-04	1.39E-03	8.23E-04	8.59E-04
558	567236.18	4216911.95	1.06E-02	1.15E-02	9.23E-03	1.02E-02	1.12E-03	1.65E-03	9.71E-04	1.01E-03
559	567201.89	4216867.91	9.30E-03	1.00E-02	8.07E-03	8.89E-03	9.76E-04	1.44E-03	8.50E-04	8.87E-04
560	567193.98	4216862.4	9.24E-03	9.97E-03	8.01E-03	8.82E-03	9.69E-04	1.43E-03	8.44E-04	8.80E-04
561	567186.07	4216856.88	9.06E-03	9.77E-03	7.86E-03	8.65E-03	9.50E-04	1.40E-03	8.27E-04	8.63E-04
562	567178.17	4216851.37	8.78E-03	9.48E-03	7.62E-03	8.39E-03	9.21E-04	1.36E-03	8.02E-04	8.37E-04
563	567170.26	4216845.85	8.41E-03	9.08E-03	7.30E-03	8.04E-03	8.83E-04	1.30E-03	7.69E-04	8.02E-04
564	567162.35	4216840.34	7.95E-03	8.58E-03	6.90E-03	7.59E-03	8.34E-04	1.23E-03	7.26E-04	7.58E-04
565	567154.45	4216834.82	7.40E-03	7.99E-03	6.42E-03	7.07E-03	7.76E-04	1.15E-03	6.76E-04	7.06E-04
566	567146.54	4216829.31	6.79E-03	7.33E-03	5.89E-03	6.49E-03	7.12E-04	1.05E-03	6.20E-04	6.47E-04
567	567138.63	4216823.8	6.14E-03	6.62E-03	5.32E-03	5.86E-03	6.44E-04	9.50E-04	5.61E-04	5.85E-04
568	567114.91	4216807.25	4.29E-03	4.63E-03	3.72E-03	4.09E-03	4.50E-04	6.63E-04	3.92E-04	4.09E-04
569	567235.49	4216882.89	7.27E-03	7.85E-03	6.31E-03	6.95E-03	7.63E-04	1.13E-03	6.64E-04	6.93E-04
570	567243.8	4216896.15	7.61E-03	8.21E-03	6.60E-03	7.27E-03	7.98E-04	1.18E-03	6.95E-04	7.25E-04
571	567246.06	4216910.38	8.62E-03	9.31E-03	7.48E-03	8.24E-03	9.05E-04	1.33E-03	7.88E-04	8.22E-04
572	567215.52	4216865.22	7.36E-03	7.95E-03	6.39E-03	7.03E-03	7.72E-04	1.14E-03	6.73E-04	7.02E-04
573	567207.61	4216859.71	7.40E-03	7.98E-03	6.42E-03	7.06E-03	7.76E-04	1.14E-03	6.76E-04	7.05E-04
574	567199.7	4216854.19	7.32E-03	7.90E-03	6.35E-03	6.99E-03	7.68E-04	1.13E-03	6.69E-04	6.98E-04
575	567191.8	4216848.68	7.17E-03	7.74E-03	6.22E-03	6.85E-03	7.52E-04	1.11E-03	6.55E-04	6.83E-04
576	567183.89	4216843.16	6.94E-03	7.49E-03	6.02E-03	6.63E-03	7.28E-04	1.07E-03	6.34E-04	6.61E-04
577	567175.98	4216837.65	6.64E-03	7.17E-03	5.76E-03	6.35E-03	6.97E-04	1.03E-03	6.07E-04	6.33E-04
578	567168.07	4216832.14	6.29E-03	6.79E-03	5.45E-03	6.00E-03	6.59E-04	9.73E-04	5.74E-04	5.99E-04
579	567160.17	4216826.62	5.88E-03	6.34E-03	5.10E-03	5.61E-03	6.17E-04	9.10E-04	5.37E-04	5.60E-04
580	567152.26	4216821.11	5.43E-03	5.86E-03	4.71E-03	5.19E-03	5.70E-04	8.41E-04	4.96E-04	5.18E-04
581	567128.54	4216804.56	4.06E-03	4.38E-03	3.52E-03	3.87E-03	4.25E-04	6.28E-04	3.71E-04	3.87E-04
582	567120.63	4216799.05	3.65E-03	3.94E-03	3.16E-03	3.48E-03	3.83E-04	5.65E-04	3.33E-04	3.48E-04
583	567241.21	4216874.68	6.03E-03	6.51E-03	5.23E-03	5.76E-03	6.33E-04	9.34E-04	5.51E-04	5.75E-04
584	567249.52	4216887.95	6.33E-03	6.84E-03	5.49E-03	6.05E-03	6.64E-04	9.80E-04	5.78E-04	6.04E-04
585	567255.93	4216908.82	7.17E-03	7.74E-03	6.22E-03	6.85E-03	7.52E-04	1.11E-03	6.55E-04	6.83E-04
586	567252.14	4216924.01	8.81E-03	9.51E-03	7.64E-03	8.41E-03	9.24E-04	1.36E-03	8.05E-04	8.40E-04
587	567229.14	4216862.53	5.93E-03	6.40E-03	5.15E-03	5.67E-03	6.22E-04	9.18E-04	5.42E-04	5.65E-04
588	567221.24	4216857.02	6.01E-03	6.49E-03	5.21E-03	5.74E-03	6.30E-04	9.30E-04	5.49E-04	5.73E-04
589	567213.33	4216851.51	6.04E-03	6.51E-03	5.24E-03	5.76E-03	6.33E-04	9.34E-04	5.51E-04	5.75E-04
590	567205.42	4216845.99	5.97E-03	6.44E-03	5.18E-03	5.70E-03	6.26E-04	9.24E-04	5.45E-04	5.69E-04

591	567197.52	4216840.48	5.84E-03	6.30E-03	5.07E-03	5.58E-03	6.13E-04	9.04E-04	5.33E-04	5.57E-04
592	567189.61	4216834.96	5.65E-03	6.10E-03	4.90E-03	5.40E-03	5.93E-04	8.75E-04	5.16E-04	5.39E-04
593	567181.7	4216829.45	5.42E-03	5.85E-03	4.70E-03	5.17E-03	5.68E-04	8.38E-04	4.95E-04	5.16E-04
594	567173.79	4216823.93	5.14E-03	5.54E-03	4.46E-03	4.91E-03	5.39E-04	7.95E-04	4.69E-04	4.90E-04
595	567165.89	4216818.42	4.82E-03	5.21E-03	4.19E-03	4.61E-03	5.06E-04	7.47E-04	4.41E-04	4.60E-04
596	567142.17	4216801.88	3.80E-03	4.10E-03	3.30E-03	3.63E-03	3.99E-04	5.88E-04	3.47E-04	3.62E-04
597	567134.26	4216796.36	3.47E-03	3.74E-03	3.01E-03	3.31E-03	3.64E-04	5.37E-04	3.17E-04	3.31E-04
598	567126.35	4216790.85	3.16E-03	3.41E-03	2.74E-03	3.01E-03	3.31E-04	4.89E-04	2.88E-04	3.01E-04
599	567252.75	4216875.77	5.30E-03	5.73E-03	4.60E-03	5.07E-03	5.56E-04	8.21E-04	4.84E-04	5.06E-04
600	567257.73	4216883.73	5.42E-03	5.85E-03	4.71E-03	5.18E-03	5.69E-04	8.40E-04	4.95E-04	5.17E-04
601	567262.72	4216891.69	5.49E-03	5.93E-03	4.77E-03	5.25E-03	5.76E-04	8.51E-04	5.02E-04	5.24E-04
602	567265.43	4216908.77	6.19E-03	6.68E-03	5.37E-03	5.91E-03	6.49E-04	9.58E-04	5.65E-04	5.90E-04
603	567263.15	4216917.88	6.95E-03	7.50E-03	6.03E-03	6.64E-03	7.29E-04	1.08E-03	6.35E-04	6.63E-04
604	567260.88	4216927	7.78E-03	8.39E-03	6.75E-03	7.43E-03	8.16E-04	1.20E-03	7.10E-04	7.41E-04
605	567242.77	4216859.85	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.61E-04	4.49E-04	4.69E-04
606	567234.86	4216854.33	4.97E-03	5.37E-03	4.32E-03	4.75E-03	5.22E-04	7.70E-04	4.54E-04	4.74E-04
607	567226.96	4216848.82	5.01E-03	5.41E-03	4.35E-03	4.79E-03	5.26E-04	7.76E-04	4.58E-04	4.78E-04
608	567219.05	4216843.3	5.03E-03	5.43E-03	4.36E-03	4.80E-03	5.28E-04	7.79E-04	4.59E-04	4.79E-04
609	567211.14	4216837.79	4.98E-03	5.38E-03	4.32E-03	4.76E-03	5.23E-04	7.71E-04	4.55E-04	4.75E-04
610	567203.24	4216832.27	4.87E-03	5.26E-03	4.22E-03	4.65E-03	5.11E-04	7.54E-04	4.45E-04	4.64E-04
611	567195.33	4216826.76	4.71E-03	5.09E-03	4.09E-03	4.50E-03	4.94E-04	7.30E-04	4.31E-04	4.49E-04
612	567187.42	4216821.25	4.52E-03	4.88E-03	3.93E-03	4.32E-03	4.75E-04	7.00E-04	4.13E-04	4.31E-04
613	567179.51	4216815.73	4.30E-03	4.64E-03	3.73E-03	4.11E-03	4.51E-04	6.66E-04	3.93E-04	4.10E-04
614	567171.61	4216810.22	4.06E-03	4.39E-03	3.52E-03	3.88E-03	4.26E-04	6.29E-04	3.71E-04	3.87E-04
615	567147.89	4216793.67	3.27E-03	3.53E-03	2.84E-03	3.12E-03	3.43E-04	5.06E-04	2.99E-04	3.12E-04
616	567139.98	4216788.16	3.01E-03	3.25E-03	2.61E-03	2.88E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
617	567132.07	4216782.65	2.77E-03	2.99E-03	2.40E-03	2.64E-03	2.90E-04	4.28E-04	2.53E-04	2.64E-04
618	567263.04	4216874.86	4.66E-03	5.04E-03	4.05E-03	4.46E-03	4.89E-04	7.22E-04	4.26E-04	4.45E-04
619	567272.74	4216890.35	4.78E-03	5.16E-03	4.15E-03	4.57E-03	5.01E-04	7.40E-04	4.37E-04	4.56E-04
620	567275.37	4216906.95	5.32E-03	5.74E-03	4.61E-03	5.08E-03	5.58E-04	8.23E-04	4.86E-04	5.07E-04
621	567273.16	4216915.81	5.89E-03	6.36E-03	5.11E-03	5.63E-03	6.18E-04	9.12E-04	5.38E-04	5.62E-04
622	567268.73	4216933.53	7.19E-03	7.77E-03	6.24E-03	6.87E-03	7.55E-04	1.11E-03	6.57E-04	6.86E-04
623	567248.49	4216851.64	4.22E-03	4.56E-03	3.66E-03	4.03E-03	4.43E-04	6.54E-04	3.86E-04	4.02E-04
624	567240.58	4216846.13	4.26E-03	4.59E-03	3.69E-03	4.06E-03	4.46E-04	6.59E-04	3.89E-04	4.06E-04
625	567232.68	4216840.61	4.28E-03	4.62E-03	3.71E-03	4.08E-03	4.48E-04	6.62E-04	3.91E-04	4.08E-04
626	567224.77	4216835.1	4.29E-03	4.63E-03	3.72E-03	4.10E-03	4.50E-04	6.64E-04	3.92E-04	4.09E-04
627	567216.86	4216829.59	4.23E-03	4.57E-03	3.67E-03	4.04E-03	4.44E-04	6.55E-04	3.87E-04	4.03E-04
628	567208.96	4216824.07	4.14E-03	4.46E-03	3.59E-03	3.95E-03	4.34E-04	6.40E-04	3.78E-04	3.94E-04
629	567201.05	4216818.56	4.01E-03	4.33E-03	3.48E-03	3.83E-03	4.20E-04	6.20E-04	3.66E-04	3.82E-04
630	567193.14	4216813.04	3.85E-03	4.16E-03	3.34E-03	3.68E-03	4.04E-04	5.96E-04	3.52E-04	3.67E-04
631	567185.23	4216807.53	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.50E-04
632	567161.51	4216790.99	3.07E-03	3.31E-03	2.66E-03	2.93E-03	3.22E-04	4.75E-04	2.80E-04	2.93E-04
633	567153.61	4216785.47	2.86E-03	3.08E-03	2.48E-03	2.73E-03	3.00E-04	4.42E-04	2.61E-04	2.72E-04
634	567145.7	4216779.96	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.78E-04	4.10E-04	2.42E-04	2.52E-04
635	567137.79	4216774.44	2.45E-03	2.64E-03	2.13E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.34E-04
636	567258.96	4216851.02	3.81E-03	4.11E-03	3.31E-03	3.64E-03	4.00E-04	5.90E-04	3.48E-04	3.63E-04
637	567273.21	4216873.77	4.11E-03	4.44E-03	3.57E-03	3.93E-03	4.31E-04	6.36E-04	3.76E-04	3.92E-04
638	567282.71	4216888.94	4.20E-03	4.53E-03	3.64E-03	4.01E-03	4.41E-04	6.50E-04	3.84E-04	4.00E-04
639	567285.29	4216905.2	4.63E-03	5.00E-03	4.02E-03	4.43E-03	4.86E-04	7.17E-04	4.23E-04	4.42E-04
640	567283.12	4216913.88	5.08E-03	5.48E-03	4.41E-03	4.85E-03	5.33E-04	7.86E-04	4.64E-04	4.84E-04
641	567278.79	4216931.24	6.10E-03	6.58E-03	5.29E-03	5.82E-03	6.40E-04	9.44E-04	5.57E-04	5.81E-04
642	567246.3	4216837.93	3.70E-03	3.99E-03	3.21E-03	3.53E-03	3.88E-04	5.73E-04	3.38E-04	3.53E-04
643	567238.4	4216832.41	3.71E-03	4.00E-03	3.22E-03	3.54E-03	3.89E-04	5.74E-04	3.39E-04	3.54E-04
644	567230.49	4216826.9	3.71E-03	4.00E-03	3.22E-03	3.54E-03	3.89E-04	5.74E-04	3.39E-04	3.53E-04

645	567222.58	4216821.38	3.65E-03	3.94E-03	3.17E-03	3.49E-03	3.83E-04	5.65E-04	3.33E-04	3.48E-04
646	567214.68	4216815.87	3.57E-03	3.85E-03	3.09E-03	3.41E-03	3.74E-04	5.52E-04	3.26E-04	3.40E-04
647	567206.77	4216810.36	3.46E-03	3.73E-03	3.00E-03	3.30E-03	3.63E-04	5.35E-04	3.16E-04	3.30E-04
648	567198.86	4216804.84	3.33E-03	3.59E-03	2.89E-03	3.18E-03	3.49E-04	5.15E-04	3.04E-04	3.17E-04
649	567175.14	4216788.3	2.87E-03	3.09E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
650	567167.23	4216782.78	2.70E-03	2.91E-03	2.34E-03	2.57E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
651	567159.33	4216777.27	2.52E-03	2.72E-03	2.19E-03	2.41E-03	2.64E-04	3.90E-04	2.30E-04	2.40E-04
652	567151.42	4216771.76	2.35E-03	2.54E-03	2.04E-03	2.25E-03	2.47E-04	3.64E-04	2.15E-04	2.24E-04
653	567143.51	4216766.24	2.19E-03	2.36E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
654	567264.61	4216842.7	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.51E-04	5.17E-04	3.05E-04	3.19E-04
655	567283.31	4216872.56	3.65E-03	3.94E-03	3.17E-03	3.49E-03	3.83E-04	5.65E-04	3.34E-04	3.48E-04
656	567292.66	4216887.49	3.72E-03	4.02E-03	3.23E-03	3.56E-03	3.90E-04	5.76E-04	3.40E-04	3.55E-04
657	567295.2	4216903.5	4.08E-03	4.40E-03	3.54E-03	3.89E-03	4.27E-04	6.31E-04	3.72E-04	3.88E-04
658	567290.93	4216920.59	4.82E-03	5.20E-03	4.18E-03	4.60E-03	5.06E-04	7.46E-04	4.40E-04	4.60E-04
659	567252.02	4216829.72	3.25E-03	3.50E-03	2.82E-03	3.10E-03	3.41E-04	5.03E-04	2.97E-04	3.09E-04
660	567244.12	4216824.21	3.25E-03	3.51E-03	2.82E-03	3.11E-03	3.41E-04	5.03E-04	2.97E-04	3.10E-04
661	567236.21	4216818.7	3.24E-03	3.49E-03	2.81E-03	3.09E-03	3.39E-04	5.01E-04	2.96E-04	3.09E-04
662	567228.3	4216813.18	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
663	567220.4	4216807.67	3.11E-03	3.36E-03	2.70E-03	2.97E-03	3.27E-04	4.82E-04	2.84E-04	2.97E-04
664	567212.49	4216802.15	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
665	567188.77	4216785.61	2.67E-03	2.88E-03	2.31E-03	2.55E-03	2.80E-04	4.13E-04	2.44E-04	2.54E-04
666	567180.86	4216780.1	2.53E-03	2.73E-03	2.20E-03	2.42E-03	2.65E-04	3.92E-04	2.31E-04	2.41E-04
667	567172.95	4216774.58	2.39E-03	2.58E-03	2.07E-03	2.28E-03	2.51E-04	3.70E-04	2.18E-04	2.28E-04
668	567165.05	4216769.07	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.48E-04	2.05E-04	2.14E-04
669	567157.14	4216763.55	2.11E-03	2.27E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.92E-04	2.01E-04
670	567149.23	4216758.04	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
671	567270.27	4216834.41	2.95E-03	3.19E-03	2.56E-03	2.82E-03	3.10E-04	4.57E-04	2.70E-04	2.81E-04
672	567279.51	4216849.15	3.11E-03	3.36E-03	2.70E-03	2.97E-03	3.26E-04	4.82E-04	2.84E-04	2.97E-04
673	567288.74	4216863.9	3.23E-03	3.49E-03	2.80E-03	3.08E-03	3.39E-04	5.00E-04	2.95E-04	3.08E-04
674	567297.98	4216878.64	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.01E-04	3.15E-04
675	567305.11	4216901.82	3.60E-03	3.89E-03	3.13E-03	3.44E-03	3.78E-04	5.58E-04	3.29E-04	3.43E-04
676	567300.89	4216918.7	4.22E-03	4.55E-03	3.66E-03	4.03E-03	4.43E-04	6.53E-04	3.85E-04	4.02E-04
677	567257.74	4216821.52	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.74E-04
678	567249.84	4216816.01	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.74E-04
679	567241.93	4216810.49	2.85E-03	3.08E-03	2.48E-03	2.73E-03	2.99E-04	4.42E-04	2.61E-04	2.72E-04
680	567234.02	4216804.98	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
681	567226.12	4216799.46	2.75E-03	2.97E-03	2.38E-03	2.62E-03	2.88E-04	4.25E-04	2.51E-04	2.62E-04
682	567202.39	4216782.92	2.48E-03	2.67E-03	2.15E-03	2.37E-03	2.60E-04	3.83E-04	2.26E-04	2.36E-04
683	567194.49	4216777.41	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.49E-04	3.67E-04	2.16E-04	2.26E-04
684	567186.58	4216771.89	2.26E-03	2.44E-03	1.96E-03	2.15E-03	2.37E-04	3.49E-04	2.06E-04	2.15E-04
685	567178.67	4216766.38	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
686	567170.77	4216760.86	2.02E-03	2.18E-03	1.75E-03	1.93E-03	2.12E-04	3.13E-04	1.85E-04	1.93E-04
687	567162.86	4216755.35	1.90E-03	2.05E-03	1.65E-03	1.82E-03	2.00E-04	2.95E-04	1.74E-04	1.81E-04
688	567154.95	4216749.84	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.64E-04	1.71E-04
689	567276.45	4216826.94	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.09E-04	2.41E-04	2.52E-04
690	567281.53	4216835.05	2.72E-03	2.94E-03	2.36E-03	2.60E-03	2.85E-04	4.21E-04	2.49E-04	2.59E-04
691	567286.61	4216843.16	2.79E-03	3.01E-03	2.42E-03	2.67E-03	2.93E-04	4.32E-04	2.55E-04	2.66E-04
692	567296.77	4216859.38	2.90E-03	3.13E-03	2.52E-03	2.77E-03	3.04E-04	4.49E-04	2.65E-04	2.76E-04
693	567301.85	4216867.49	2.94E-03	3.17E-03	2.55E-03	2.81E-03	3.08E-04	4.55E-04	2.68E-04	2.80E-04
694	567306.93	4216875.6	2.96E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.82E-04
695	567312.01	4216883.71	2.98E-03	3.22E-03	2.58E-03	2.85E-03	3.12E-04	4.61E-04	2.72E-04	2.84E-04
696	567314.77	4216901.1	3.24E-03	3.50E-03	2.81E-03	3.09E-03	3.40E-04	5.01E-04	2.96E-04	3.09E-04
697	567312.45	4216910.38	3.52E-03	3.80E-03	3.05E-03	3.36E-03	3.69E-04	5.44E-04	3.21E-04	3.35E-04
698	567310.13	4216919.66	3.82E-03	4.12E-03	3.31E-03	3.65E-03	4.01E-04	5.91E-04	3.49E-04	3.64E-04

699	567303.18	4216947.52	4.86E-03	5.25E-03	4.22E-03	4.65E-03	5.10E-04	7.53E-04	4.44E-04	4.64E-04
700	567271.37	4216818.83	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.67E-04	3.95E-04	2.33E-04	2.43E-04
701	567263.46	4216813.32	2.56E-03	2.76E-03	2.22E-03	2.44E-03	2.68E-04	3.96E-04	2.34E-04	2.44E-04
702	567255.56	4216807.81	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
703	567247.65	4216802.29	2.53E-03	2.73E-03	2.20E-03	2.42E-03	2.66E-04	3.92E-04	2.31E-04	2.41E-04
704	567239.74	4216796.78	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.62E-04	3.87E-04	2.28E-04	2.38E-04
705	567216.02	4216780.23	2.30E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.56E-04	2.10E-04	2.19E-04
706	567208.11	4216774.72	2.22E-03	2.39E-03	1.92E-03	2.12E-03	2.32E-04	3.43E-04	2.02E-04	2.11E-04
707	567200.21	4216769.21	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.02E-04
708	567192.3	4216763.69	2.03E-03	2.19E-03	1.76E-03	1.94E-03	2.13E-04	3.14E-04	1.85E-04	1.93E-04
709	567184.39	4216758.18	1.93E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.99E-04	1.76E-04	1.84E-04
710	567176.49	4216752.66	1.83E-03	1.97E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
711	567168.58	4216747.15	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
712	567160.67	4216741.63	1.64E-03	1.77E-03	1.42E-03	1.56E-03	1.72E-04	2.53E-04	1.49E-04	1.56E-04
713	567282.08	4216818.59	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.48E-04	3.67E-04	2.16E-04	2.26E-04
714	567287.07	4216826.55	2.44E-03	2.63E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
715	567292.05	4216834.52	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.63E-04	3.87E-04	2.29E-04	2.39E-04
716	567297.04	4216842.48	2.56E-03	2.76E-03	2.22E-03	2.44E-03	2.68E-04	3.96E-04	2.34E-04	2.44E-04
717	567307.02	4216858.4	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.08E-04	2.41E-04	2.51E-04
718	567312	4216866.36	2.66E-03	2.87E-03	2.31E-03	2.54E-03	2.79E-04	4.12E-04	2.43E-04	2.54E-04
719	567316.99	4216874.32	2.68E-03	2.89E-03	2.33E-03	2.56E-03	2.81E-04	4.15E-04	2.45E-04	2.56E-04
720	567321.98	4216882.29	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.82E-04	4.17E-04	2.46E-04	2.57E-04
721	567324.69	4216899.36	2.90E-03	3.14E-03	2.52E-03	2.77E-03	3.05E-04	4.50E-04	2.65E-04	2.77E-04
722	567322.41	4216908.48	3.14E-03	3.38E-03	2.72E-03	2.99E-03	3.29E-04	4.85E-04	2.86E-04	2.99E-04
723	567320.14	4216917.59	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.55E-04	5.24E-04	3.09E-04	3.23E-04
724	567313.31	4216944.93	4.26E-03	4.60E-03	3.69E-03	4.07E-03	4.47E-04	6.59E-04	3.89E-04	4.06E-04
725	567311.03	4216954.05	4.57E-03	4.93E-03	3.97E-03	4.37E-03	4.79E-04	7.08E-04	4.18E-04	4.36E-04
726	567277.09	4216810.63	2.29E-03	2.47E-03	1.99E-03	2.19E-03	2.40E-04	3.55E-04	2.09E-04	2.18E-04
727	567269.19	4216805.12	2.29E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.09E-04	2.19E-04
728	567261.28	4216799.6	2.29E-03	2.47E-03	1.98E-03	2.18E-03	2.40E-04	3.54E-04	2.09E-04	2.18E-04
729	567253.37	4216794.09	2.27E-03	2.45E-03	1.97E-03	2.16E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
730	567245.46	4216788.57	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.46E-04	2.04E-04	2.13E-04
731	567221.74	4216772.03	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.97E-04
732	567213.84	4216766.52	2.00E-03	2.16E-03	1.73E-03	1.91E-03	2.10E-04	3.09E-04	1.82E-04	1.90E-04
733	567205.93	4216761	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
734	567198.02	4216755.49	1.84E-03	1.98E-03	1.59E-03	1.75E-03	1.93E-04	2.84E-04	1.68E-04	1.75E-04
735	567190.11	4216749.97	1.75E-03	1.89E-03	1.52E-03	1.67E-03	1.84E-04	2.71E-04	1.60E-04	1.67E-04
736	567182.21	4216744.46	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.52E-04	1.59E-04
737	567174.3	4216738.95	1.58E-03	1.71E-03	1.37E-03	1.51E-03	1.66E-04	2.45E-04	1.44E-04	1.51E-04
738	567166.39	4216733.43	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
739	567287.72	4216810.27	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
740	567297.55	4216825.95	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.49E-04	2.06E-04	2.15E-04
741	567302.46	4216833.79	2.31E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.57E-04	2.11E-04	2.20E-04
742	567317.2	4216857.32	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.53E-04	3.73E-04	2.20E-04	2.29E-04
743	567327.02	4216873	2.44E-03	2.63E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.32E-04
744	567331.93	4216880.84	2.45E-03	2.64E-03	2.12E-03	2.34E-03	2.56E-04	3.79E-04	2.23E-04	2.33E-04
745	567334.6	4216897.66	2.62E-03	2.83E-03	2.27E-03	2.50E-03	2.75E-04	4.06E-04	2.39E-04	2.50E-04
746	567332.36	4216906.63	2.81E-03	3.04E-03	2.44E-03	2.69E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
747	567330.12	4216915.61	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
748	567323.39	4216942.54	3.76E-03	4.06E-03	3.26E-03	3.59E-03	3.94E-04	5.82E-04	3.44E-04	3.58E-04
749	567321.15	4216951.51	4.02E-03	4.34E-03	3.49E-03	3.84E-03	4.22E-04	6.23E-04	3.68E-04	3.84E-04
750	567282.81	4216802.43	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.97E-04
751	567274.91	4216796.91	2.07E-03	2.23E-03	1.80E-03	1.98E-03	2.17E-04	3.20E-04	1.89E-04	1.97E-04
752	567267	4216791.4	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04

753	567259.09	4216785.89	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
754	567235.37	4216769.34	1.93E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	2.99E-04	1.77E-04	1.84E-04
755	567227.46	4216763.83	1.88E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
756	567219.56	4216758.31	1.81E-03	1.96E-03	1.57E-03	1.73E-03	1.90E-04	2.80E-04	1.65E-04	1.73E-04
757	567211.65	4216752.8	1.74E-03	1.88E-03	1.51E-03	1.67E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
758	567203.74	4216747.29	1.67E-03	1.81E-03	1.45E-03	1.60E-03	1.75E-04	2.59E-04	1.53E-04	1.59E-04
759	567195.83	4216741.77	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.52E-04
760	567187.93	4216736.26	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
761	567180.02	4216730.74	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.33E-04	1.38E-04
762	567172.11	4216725.23	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
763	567293.38	4216801.97	1.94E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.78E-04	1.85E-04
764	567303.08	4216817.45	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
765	567312.78	4216832.93	2.13E-03	2.30E-03	1.85E-03	2.04E-03	2.24E-04	3.30E-04	1.95E-04	2.03E-04
766	567332.17	4216863.89	2.22E-03	2.40E-03	1.93E-03	2.12E-03	2.33E-04	3.44E-04	2.03E-04	2.12E-04
767	567341.87	4216879.37	2.23E-03	2.41E-03	1.94E-03	2.13E-03	2.34E-04	3.46E-04	2.04E-04	2.13E-04
768	567344.51	4216895.97	2.38E-03	2.57E-03	2.06E-03	2.27E-03	2.50E-04	3.68E-04	2.17E-04	2.27E-04
769	567342.29	4216904.83	2.54E-03	2.74E-03	2.20E-03	2.43E-03	2.67E-04	3.93E-04	2.32E-04	2.42E-04
770	567333.44	4216940.28	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.50E-04	5.17E-04	3.05E-04	3.18E-04
771	567329.01	4216958	3.80E-03	4.11E-03	3.30E-03	3.63E-03	3.99E-04	5.89E-04	3.47E-04	3.63E-04
772	567288.53	4216794.23	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.98E-04	2.92E-04	1.72E-04	1.80E-04
773	567280.63	4216788.71	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
774	567272.72	4216783.2	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
775	567249	4216766.65	1.80E-03	1.94E-03	1.56E-03	1.72E-03	1.89E-04	2.79E-04	1.65E-04	1.72E-04
776	567241.09	4216761.14	1.76E-03	1.90E-03	1.52E-03	1.68E-03	1.84E-04	2.72E-04	1.61E-04	1.67E-04
777	567233.18	4216755.63	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
778	567225.28	4216750.11	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
779	567217.37	4216744.6	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.47E-04	1.45E-04	1.52E-04
780	567209.46	4216739.08	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
781	567201.55	4216733.57	1.47E-03	1.58E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
782	567193.65	4216728.05	1.40E-03	1.52E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
783	567185.74	4216722.54	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
784	567177.83	4216717.03	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
785	567299.05	4216793.68	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
786	567303.84	4216801.33	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.66E-04	1.74E-04
787	567313.44	4216816.65	1.91E-03	2.06E-03	1.66E-03	1.82E-03	2.00E-04	2.96E-04	1.74E-04	1.82E-04
788	567318.23	4216824.3	1.94E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.78E-04	1.85E-04
789	567342.21	4216862.58	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.86E-04	1.95E-04
790	567351.8	4216877.89	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
791	567354.41	4216894.31	2.17E-03	2.34E-03	1.88E-03	2.07E-03	2.28E-04	3.36E-04	1.98E-04	2.07E-04
792	567350.03	4216911.84	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.80E-04	2.24E-04	2.34E-04
793	567341.27	4216946.89	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
794	567336.89	4216964.42	3.60E-03	3.89E-03	3.12E-03	3.44E-03	3.78E-04	5.57E-04	3.29E-04	3.43E-04
795	567286.35	4216780.51	1.72E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.66E-04	1.57E-04	1.64E-04
796	567262.62	4216763.97	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.52E-04	1.59E-04
797	567254.72	4216758.45	1.64E-03	1.77E-03	1.42E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.56E-04
798	567246.81	4216752.94	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.49E-04	1.47E-04	1.53E-04
799	567238.9	4216747.42	1.56E-03	1.69E-03	1.36E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
800	567231	4216741.91	1.51E-03	1.63E-03	1.31E-03	1.45E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
801	567223.09	4216736.4	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.34E-04	1.39E-04
802	567215.18	4216730.88	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
803	567207.27	4216725.37	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.24E-04	1.29E-04
804	567199.37	4216719.85	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
805	567191.46	4216714.34	1.24E-03	1.34E-03	1.08E-03	1.19E-03	1.30E-04	1.92E-04	1.14E-04	1.19E-04
806	567305.09	4216785.99	1.63E-03	1.76E-03	1.41E-03	1.55E-03	1.71E-04	2.52E-04	1.49E-04	1.55E-04

807	567310.2	4216794.15	1.67E-03	1.81E-03	1.45E-03	1.60E-03	1.76E-04	2.59E-04	1.53E-04	1.60E-04
808	567315.32	4216802.32	1.72E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.66E-04	1.57E-04	1.64E-04
809	567320.43	4216810.48	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.84E-04	2.72E-04	1.61E-04	1.68E-04
810	567325.55	4216818.65	1.79E-03	1.94E-03	1.56E-03	1.71E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04
811	567330.66	4216826.82	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.66E-04	1.74E-04
812	567335.78	4216834.98	1.84E-03	1.99E-03	1.60E-03	1.76E-03	1.93E-04	2.85E-04	1.68E-04	1.76E-04
813	567346.01	4216851.31	1.87E-03	2.02E-03	1.63E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.79E-04
814	567351.13	4216859.48	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
815	567361.8	4216902.67	2.13E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.03E-04
816	567354.8	4216930.72	2.59E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.46E-04
817	567352.46	4216940.07	2.76E-03	2.98E-03	2.40E-03	2.64E-03	2.90E-04	4.28E-04	2.53E-04	2.64E-04
818	567350.13	4216949.41	2.96E-03	3.19E-03	2.56E-03	2.82E-03	3.10E-04	4.57E-04	2.70E-04	2.82E-04
819	567347.79	4216958.76	3.15E-03	3.40E-03	2.74E-03	3.01E-03	3.31E-04	4.88E-04	2.88E-04	3.01E-04
820	567345.46	4216968.11	3.35E-03	3.62E-03	2.91E-03	3.20E-03	3.52E-04	5.19E-04	3.06E-04	3.20E-04
821	567299.97	4216777.82	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.66E-04	2.44E-04	1.44E-04	1.50E-04
822	567276.25	4216761.28	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.39E-04	1.41E-04	1.47E-04
823	567268.34	4216755.76	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
824	567260.44	4216750.25	1.50E-03	1.62E-03	1.30E-03	1.44E-03	1.58E-04	2.33E-04	1.37E-04	1.43E-04
825	567252.53	4216744.74	1.48E-03	1.59E-03	1.28E-03	1.41E-03	1.55E-04	2.28E-04	1.35E-04	1.41E-04
826	567244.62	4216739.22	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
827	567236.72	4216733.71	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.16E-04	1.27E-04	1.33E-04
828	567228.81	4216728.19	1.35E-03	1.45E-03	1.17E-03	1.29E-03	1.41E-04	2.09E-04	1.23E-04	1.28E-04
829	567220.9	4216722.68	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
830	567212.99	4216717.16	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
831	567205.09	4216711.65	1.20E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
832	567310.74	4216777.68	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
833	567315.79	4216785.73	1.54E-03	1.66E-03	1.33E-03	1.47E-03	1.61E-04	2.38E-04	1.40E-04	1.47E-04
834	567320.83	4216793.79	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.65E-04	2.44E-04	1.44E-04	1.50E-04
835	567325.88	4216801.84	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
836	567330.93	4216809.9	1.65E-03	1.78E-03	1.43E-03	1.57E-03	1.73E-04	2.55E-04	1.50E-04	1.57E-04
837	567335.97	4216817.96	1.68E-03	1.81E-03	1.45E-03	1.60E-03	1.76E-04	2.59E-04	1.53E-04	1.60E-04
838	567371.3	4216874.35	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.83E-04	2.69E-04	1.59E-04	1.66E-04
839	567364.83	4216928.52	2.34E-03	2.53E-03	2.03E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.23E-04
840	567362.52	4216937.75	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.62E-04	3.87E-04	2.28E-04	2.38E-04
841	567360.22	4216946.97	2.66E-03	2.87E-03	2.31E-03	2.54E-03	2.79E-04	4.12E-04	2.43E-04	2.53E-04
842	567357.92	4216956.19	2.83E-03	3.06E-03	2.46E-03	2.70E-03	2.97E-04	4.38E-04	2.59E-04	2.70E-04
843	567355.61	4216965.42	3.01E-03	3.25E-03	2.61E-03	2.87E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
844	567289.88	4216758.59	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
845	567281.97	4216753.08	1.42E-03	1.54E-03	1.24E-03	1.36E-03	1.49E-04	2.20E-04	1.30E-04	1.36E-04
846	567274.06	4216747.56	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.47E-04	2.18E-04	1.28E-04	1.34E-04
847	567266.16	4216742.05	1.39E-03	1.50E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.27E-04	1.32E-04
848	567258.25	4216736.53	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
849	567250.34	4216731.02	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
850	567242.44	4216725.5	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
851	567234.53	4216719.99	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
852	567226.62	4216714.48	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.87E-04	1.10E-04	1.15E-04
853	567218.71	4216708.96	1.16E-03	1.26E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
854	567316.4	4216769.38	1.39E-03	1.50E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.27E-04	1.32E-04
855	567321.39	4216777.34	1.42E-03	1.53E-03	1.23E-03	1.36E-03	1.49E-04	2.20E-04	1.30E-04	1.35E-04
856	567326.38	4216785.3	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.53E-04	2.25E-04	1.33E-04	1.39E-04
857	567366.27	4216848.99	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
858	567371.26	4216856.96	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
859	567376.25	4216864.92	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
860	567381.24	4216872.88	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04

861	567383.95	4216889.95	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.62E-04	1.55E-04	1.61E-04
862	567381.67	4216899.07	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.63E-04	1.70E-04
863	567374.84	4216926.41	2.14E-03	2.30E-03	1.85E-03	2.04E-03	2.24E-04	3.30E-04	1.95E-04	2.04E-04
864	567372.56	4216935.53	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
865	567370.29	4216944.64	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.52E-04	3.73E-04	2.20E-04	2.29E-04
866	567368.01	4216953.76	2.55E-03	2.76E-03	2.22E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
867	567365.73	4216962.87	2.71E-03	2.92E-03	2.35E-03	2.59E-03	2.84E-04	4.19E-04	2.47E-04	2.58E-04
868	567363.46	4216971.99	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
869	567358.9	4216990.22	3.19E-03	3.44E-03	2.77E-03	3.05E-03	3.35E-04	4.94E-04	2.91E-04	3.04E-04
870	567356.63	4216999.33	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.51E-04	5.17E-04	3.05E-04	3.19E-04
871	567295.6	4216750.39	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
872	567287.69	4216744.87	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.25E-04
873	567279.78	4216739.36	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
874	567271.88	4216733.85	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
875	567263.97	4216728.33	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
876	567256.06	4216722.82	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
877	567248.16	4216717.3	1.19E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
878	567240.25	4216711.79	1.16E-03	1.25E-03	1.00E-03	1.11E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
879	567232.34	4216706.27	1.12E-03	1.21E-03	9.73E-04	1.07E-03	1.18E-04	1.73E-04	1.02E-04	1.07E-04
880	567351.68	4216808.36	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.33E-04	1.39E-04
881	567361.55	4216824.12	1.48E-03	1.60E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
882	567376.36	4216847.76	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
883	567386.23	4216863.52	1.50E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.37E-04	1.43E-04
884	567391.17	4216871.39	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.37E-04	1.42E-04
885	567393.85	4216888.29	1.57E-03	1.69E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.43E-04	1.50E-04
886	567391.59	4216897.31	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
887	567384.84	4216924.37	1.95E-03	2.11E-03	1.69E-03	1.87E-03	2.05E-04	3.02E-04	1.78E-04	1.86E-04
888	567382.58	4216933.39	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.97E-04
889	567380.33	4216942.41	2.19E-03	2.37E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
890	567378.08	4216951.43	2.32E-03	2.50E-03	2.01E-03	2.21E-03	2.43E-04	3.59E-04	2.12E-04	2.21E-04
891	567375.82	4216960.45	2.45E-03	2.64E-03	2.12E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.33E-04
892	567373.57	4216969.47	2.59E-03	2.79E-03	2.25E-03	2.47E-03	2.72E-04	4.01E-04	2.36E-04	2.47E-04
893	567371.32	4216978.49	2.73E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.61E-04
894	567366.81	4216996.53	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
895	567364.56	4217005.55	3.16E-03	3.41E-03	2.74E-03	3.02E-03	3.31E-04	4.89E-04	2.88E-04	3.01E-04
896	567362.31	4217014.57	3.28E-03	3.54E-03	2.85E-03	3.13E-03	3.44E-04	5.08E-04	3.00E-04	3.13E-04
897	567309.23	4216747.7	1.25E-03	1.34E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
898	567301.32	4216742.19	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
899	567293.41	4216736.67	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
900	567285.51	4216731.16	1.20E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
901	567277.6	4216725.64	1.19E-03	1.28E-03	1.03E-03	1.13E-03	1.25E-04	1.84E-04	1.08E-04	1.13E-04
902	567269.69	4216720.13	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
903	567261.78	4216714.61	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
904	567253.88	4216709.1	1.11E-03	1.20E-03	9.64E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
905	567245.97	4216703.59	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.86E-05	1.03E-04
906	567238.06	4216698.07	1.05E-03	1.13E-03	9.08E-04	9.99E-04	1.10E-04	1.62E-04	9.56E-05	9.97E-05
907	567347.3	4216784.04	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
908	567352.19	4216791.84	1.33E-03	1.44E-03	1.16E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
909	567361.97	4216807.46	1.37E-03	1.47E-03	1.19E-03	1.30E-03	1.43E-04	2.11E-04	1.25E-04	1.30E-04
910	567366.86	4216815.26	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
911	567386.42	4216846.48	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.33E-04
912	567391.31	4216854.29	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.16E-04	1.27E-04	1.33E-04
913	567401.09	4216869.9	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.33E-04
914	567403.74	4216886.64	1.46E-03	1.57E-03	1.27E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04

915	567401.51	4216895.58	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
916	567394.82	4216922.38	1.80E-03	1.94E-03	1.56E-03	1.72E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04
917	567392.58	4216931.32	1.90E-03	2.05E-03	1.65E-03	1.81E-03	1.99E-04	2.94E-04	1.73E-04	1.81E-04
918	567390.35	4216940.26	2.01E-03	2.16E-03	1.74E-03	1.92E-03	2.10E-04	3.10E-04	1.83E-04	1.91E-04
919	567385.89	4216958.13	2.23E-03	2.40E-03	1.93E-03	2.13E-03	2.34E-04	3.45E-04	2.03E-04	2.12E-04
920	567383.66	4216967.06	2.34E-03	2.53E-03	2.03E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.23E-04
921	567381.42	4216976	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
922	567374.73	4217002.81	2.87E-03	3.09E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
923	567314.95	4216739.5	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
924	567307.04	4216733.98	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
925	567299.13	4216728.47	1.14E-03	1.23E-03	9.86E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
926	567291.23	4216722.95	1.12E-03	1.21E-03	9.73E-04	1.07E-03	1.18E-04	1.74E-04	1.02E-04	1.07E-04
927	567283.32	4216717.44	1.11E-03	1.20E-03	9.61E-04	1.06E-03	1.16E-04	1.71E-04	1.01E-04	1.06E-04
928	567275.41	4216711.93	1.09E-03	1.18E-03	9.46E-04	1.04E-03	1.14E-04	1.69E-04	9.95E-05	1.04E-04
929	567267.5	4216706.41	1.06E-03	1.15E-03	9.24E-04	1.02E-03	1.12E-04	1.65E-04	9.73E-05	1.02E-04
930	567259.6	4216700.9	1.04E-03	1.12E-03	9.00E-04	9.91E-04	1.09E-04	1.61E-04	9.48E-05	9.89E-05
931	567251.69	4216695.38	1.01E-03	1.09E-03	8.76E-04	9.64E-04	1.06E-04	1.56E-04	9.22E-05	9.62E-05
932	567220.06	4216673.33	8.89E-04	9.59E-04	7.71E-04	8.49E-04	9.32E-05	1.38E-04	8.12E-05	8.47E-05
933	567212.15	4216667.81	8.59E-04	9.27E-04	7.45E-04	8.21E-04	9.01E-05	1.33E-04	7.85E-05	8.19E-05
934	567347.97	4216767.77	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.26E-04	1.85E-04	1.09E-04	1.14E-04
935	567357.67	4216783.25	1.24E-03	1.34E-03	1.08E-03	1.19E-03	1.30E-04	1.92E-04	1.13E-04	1.18E-04
936	567367.36	4216798.73	1.27E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.97E-04	1.16E-04	1.21E-04
937	567372.21	4216806.47	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
938	567381.91	4216821.95	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
939	567391.61	4216837.43	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
940	567401.31	4216852.92	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
941	567411	4216868.4	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
942	567413.64	4216885	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.10E-04	1.24E-04	1.29E-04
943	567411.43	4216893.86	1.43E-03	1.54E-03	1.24E-03	1.36E-03	1.49E-04	2.21E-04	1.30E-04	1.36E-04
944	567404.79	4216920.44	1.66E-03	1.79E-03	1.44E-03	1.58E-03	1.74E-04	2.57E-04	1.51E-04	1.58E-04
945	567402.57	4216929.31	1.75E-03	1.89E-03	1.52E-03	1.67E-03	1.83E-04	2.71E-04	1.60E-04	1.67E-04
946	567398.15	4216947.03	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
947	567395.93	4216955.89	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.15E-04	1.86E-04	1.94E-04
948	567393.72	4216964.75	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
949	567389.29	4216982.47	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.48E-04	3.67E-04	2.16E-04	2.26E-04
950	567382.65	4217009.06	2.72E-03	2.93E-03	2.36E-03	2.59E-03	2.85E-04	4.20E-04	2.48E-04	2.59E-04
951	567380.44	4217017.92	2.82E-03	3.05E-03	2.45E-03	2.70E-03	2.96E-04	4.37E-04	2.58E-04	2.69E-04
952	567304.85	4216720.27	1.06E-03	1.15E-03	9.22E-04	1.02E-03	1.12E-04	1.65E-04	9.71E-05	1.01E-04
953	567296.95	4216714.75	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.62E-04	9.59E-05	1.00E-04
954	567289.04	4216709.24	1.04E-03	1.12E-03	8.99E-04	9.90E-04	1.09E-04	1.60E-04	9.46E-05	9.87E-05
955	567281.13	4216703.72	1.02E-03	1.10E-03	8.84E-04	9.73E-04	1.07E-04	1.58E-04	9.30E-05	9.71E-05
956	567273.22	4216698.21	9.96E-04	1.08E-03	8.64E-04	9.51E-04	1.04E-04	1.54E-04	9.10E-05	9.49E-05
957	567265.32	4216692.7	9.71E-04	1.05E-03	8.43E-04	9.28E-04	1.02E-04	1.50E-04	8.87E-05	9.26E-05
958	567233.69	4216670.64	8.63E-04	9.32E-04	7.49E-04	8.25E-04	9.06E-05	1.34E-04	7.89E-05	8.23E-05
959	567225.78	4216665.12	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.29E-04	7.64E-05	7.97E-05
960	567217.87	4216659.61	8.10E-04	8.75E-04	7.03E-04	7.74E-04	8.50E-05	1.25E-04	7.40E-05	7.72E-05
961	567339.37	4216736.72	1.05E-03	1.13E-03	9.10E-04	1.00E-03	1.10E-04	1.62E-04	9.58E-05	1.00E-04
962	567344.45	4216744.83	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.66E-04	9.83E-05	1.03E-04
963	567354.61	4216761.04	1.13E-03	1.21E-03	9.76E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
964	567359.69	4216769.15	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
965	567364.77	4216777.26	1.17E-03	1.26E-03	1.01E-03	1.11E-03	1.22E-04	1.81E-04	1.07E-04	1.11E-04
966	567369.85	4216785.37	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
967	567374.93	4216793.48	1.20E-03	1.30E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
968	567380.01	4216801.59	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.87E-04	1.11E-04	1.15E-04

969	567385.09	4216809.7	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
970	567390.17	4216817.81	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
971	567400.33	4216834.02	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
972	567405.41	4216842.13	1.22E-03	1.32E-03	1.06E-03	1.16E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
973	567410.49	4216850.24	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
974	567415.57	4216858.35	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
975	567420.65	4216866.46	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
976	567423.41	4216883.85	1.27E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.97E-04	1.16E-04	1.21E-04
977	567421.09	4216893.14	1.34E-03	1.44E-03	1.16E-03	1.28E-03	1.40E-04	2.07E-04	1.22E-04	1.27E-04
978	567414.14	4216920.99	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
979	567411.82	4216930.27	1.64E-03	1.77E-03	1.43E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.57E-04
980	567409.5	4216939.55	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.82E-04	2.68E-04	1.58E-04	1.65E-04
981	567407.18	4216948.84	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.66E-04	1.74E-04
982	567404.86	4216958.12	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
983	567402.54	4216967.4	2.01E-03	2.17E-03	1.75E-03	1.92E-03	2.11E-04	3.12E-04	1.84E-04	1.92E-04
984	567400.22	4216976.69	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.02E-04
985	567393.27	4217004.54	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.81E-04	2.25E-04	2.34E-04
986	567390.95	4217013.82	2.57E-03	2.77E-03	2.23E-03	2.45E-03	2.69E-04	3.97E-04	2.34E-04	2.45E-04
987	567334.29	4216728.61	1.02E-03	1.10E-03	8.86E-04	9.76E-04	1.07E-04	1.58E-04	9.33E-05	9.73E-05
988	567302.67	4216706.55	9.86E-04	1.06E-03	8.55E-04	9.42E-04	1.03E-04	1.53E-04	9.00E-05	9.40E-05
989	567294.76	4216701.04	9.73E-04	1.05E-03	8.44E-04	9.29E-04	1.02E-04	1.51E-04	8.88E-05	9.27E-05
990	567286.85	4216695.52	9.54E-04	1.03E-03	8.28E-04	9.12E-04	1.00E-04	1.48E-04	8.72E-05	9.10E-05
991	567278.94	4216690.01	9.34E-04	1.01E-03	8.10E-04	8.92E-04	9.79E-05	1.45E-04	8.53E-05	8.90E-05
992	567247.32	4216667.95	8.39E-04	9.05E-04	7.28E-04	8.01E-04	8.80E-05	1.30E-04	7.66E-05	7.99E-05
993	567239.41	4216662.44	8.14E-04	8.79E-04	7.06E-04	7.78E-04	8.54E-05	1.26E-04	7.44E-05	7.76E-05
994	567231.5	4216656.92	7.90E-04	8.53E-04	6.85E-04	7.55E-04	8.29E-05	1.22E-04	7.22E-05	7.53E-05
995	567223.59	4216651.41	7.66E-04	8.27E-04	6.65E-04	7.32E-04	8.03E-05	1.19E-04	7.00E-05	7.30E-05
996	567345.05	4216728.44	9.83E-04	1.06E-03	8.53E-04	9.39E-04	1.03E-04	1.52E-04	8.98E-05	9.37E-05
997	567350.08	4216736.47	1.01E-03	1.09E-03	8.75E-04	9.63E-04	1.06E-04	1.56E-04	9.21E-05	9.61E-05
998	567365.17	4216760.56	1.07E-03	1.16E-03	9.32E-04	1.03E-03	1.13E-04	1.66E-04	9.81E-05	1.02E-04
999	567370.2	4216768.59	1.09E-03	1.18E-03	9.48E-04	1.04E-03	1.15E-04	1.69E-04	9.98E-05	1.04E-04
1000	567375.23	4216776.62	1.11E-03	1.20E-03	9.62E-04	1.06E-03	1.16E-04	1.72E-04	1.01E-04	1.06E-04
1001	567380.26	4216784.66	1.13E-03	1.22E-03	9.79E-04	1.08E-03	1.18E-04	1.75E-04	1.03E-04	1.08E-04
1002	567385.29	4216792.69	1.14E-03	1.23E-03	9.86E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1003	567390.33	4216800.72	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
1004	567395.36	4216808.75	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1005	567400.39	4216816.78	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1006	567410.45	4216832.84	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
1007	567415.48	4216840.88	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1008	567420.51	4216848.91	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1009	567425.54	4216856.94	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1010	567430.57	4216864.97	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1011	567433.31	4216882.2	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
1012	567431.01	4216891.39	1.25E-03	1.35E-03	1.09E-03	1.19E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
1013	567428.72	4216900.59	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
1014	567424.12	4216918.97	1.45E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
1015	567421.83	4216928.17	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
1016	567419.53	4216937.36	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
1017	567417.23	4216946.56	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
1018	567414.94	4216955.75	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1019	567412.64	4216964.95	1.85E-03	2.00E-03	1.60E-03	1.77E-03	1.94E-04	2.86E-04	1.69E-04	1.76E-04
1020	567410.34	4216974.14	1.95E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.78E-04	1.85E-04
1021	567408.05	4216983.34	2.05E-03	2.21E-03	1.78E-03	1.95E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
1022	567401.16	4217010.92	2.35E-03	2.53E-03	2.04E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.24E-04

1023	567398.86	4217020.12	2.44E-03	2.64E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
1024	567340.01	4216720.4	9.59E-04	1.04E-03	8.32E-04	9.16E-04	1.01E-04	1.48E-04	8.76E-05	9.14E-05
1025	567332.11	4216714.89	9.55E-04	1.03E-03	8.28E-04	9.12E-04	1.00E-04	1.48E-04	8.72E-05	9.10E-05
1026	567324.2	4216709.38	9.48E-04	1.02E-03	8.23E-04	9.06E-04	9.95E-05	1.47E-04	8.66E-05	9.04E-05
1027	567300.48	4216692.83	9.14E-04	9.87E-04	7.93E-04	8.73E-04	9.59E-05	1.41E-04	8.35E-05	8.71E-05
1028	567292.57	4216687.32	8.97E-04	9.68E-04	7.78E-04	8.56E-04	9.40E-05	1.39E-04	8.19E-05	8.55E-05
1029	567260.94	4216665.26	8.14E-04	8.78E-04	7.06E-04	7.77E-04	8.53E-05	1.26E-04	7.43E-05	7.75E-05
1030	567253.04	4216659.75	7.92E-04	8.54E-04	6.87E-04	7.56E-04	8.30E-05	1.23E-04	7.23E-05	7.54E-05
1031	567245.13	4216654.23	7.69E-04	8.31E-04	6.68E-04	7.35E-04	8.07E-05	1.19E-04	7.03E-05	7.33E-05
1032	567237.22	4216648.72	7.47E-04	8.07E-04	6.49E-04	7.14E-04	7.84E-05	1.16E-04	6.83E-05	7.12E-05
1033	567229.31	4216643.2	7.26E-04	7.83E-04	6.30E-04	6.93E-04	7.61E-05	1.12E-04	6.63E-05	6.92E-05
1034	567350.72	4216720.16	9.25E-04	9.99E-04	8.03E-04	8.84E-04	9.70E-05	1.43E-04	8.45E-05	8.82E-05
1035	567355.71	4216728.13	9.47E-04	1.02E-03	8.21E-04	9.04E-04	9.93E-05	1.47E-04	8.65E-05	9.02E-05
1036	567360.7	4216736.09	9.69E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.85E-05	9.23E-05
1037	567370.67	4216752.01	1.01E-03	1.09E-03	8.75E-04	9.63E-04	1.06E-04	1.56E-04	9.21E-05	9.61E-05
1038	567375.66	4216759.97	1.03E-03	1.11E-03	8.90E-04	9.80E-04	1.08E-04	1.59E-04	9.37E-05	9.78E-05
1039	567380.65	4216767.93	1.05E-03	1.13E-03	9.08E-04	1.00E-03	1.10E-04	1.62E-04	9.56E-05	9.98E-05
1040	567385.63	4216775.89	1.06E-03	1.14E-03	9.19E-04	1.01E-03	1.11E-04	1.64E-04	9.68E-05	1.01E-04
1041	567390.62	4216783.86	1.07E-03	1.15E-03	9.28E-04	1.02E-03	1.12E-04	1.66E-04	9.77E-05	1.02E-04
1042	567395.61	4216791.82	1.08E-03	1.16E-03	9.34E-04	1.03E-03	1.13E-04	1.67E-04	9.83E-05	1.03E-04
1043	567400.6	4216799.78	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.87E-05	1.03E-04
1044	567410.57	4216815.7	1.08E-03	1.17E-03	9.38E-04	1.03E-03	1.13E-04	1.67E-04	9.87E-05	1.03E-04
1045	567420.55	4216831.63	1.08E-03	1.17E-03	9.39E-04	1.03E-03	1.13E-04	1.67E-04	9.88E-05	1.03E-04
1046	567425.53	4216839.59	1.08E-03	1.17E-03	9.38E-04	1.03E-03	1.13E-04	1.67E-04	9.88E-05	1.03E-04
1047	567430.52	4216847.55	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.86E-05	1.03E-04
1048	567435.51	4216855.51	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.86E-05	1.03E-04
1049	567440.49	4216863.47	1.08E-03	1.16E-03	9.36E-04	1.03E-03	1.13E-04	1.67E-04	9.85E-05	1.03E-04
1050	567443.21	4216880.55	1.12E-03	1.21E-03	9.75E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
1051	567440.93	4216889.66	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
1052	567438.65	4216898.78	1.23E-03	1.32E-03	1.06E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1053	567434.1	4216917.01	1.35E-03	1.45E-03	1.17E-03	1.29E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1054	567431.82	4216926.12	1.41E-03	1.52E-03	1.22E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
1055	567429.55	4216935.24	1.48E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.35E-04	1.41E-04
1056	567427.27	4216944.35	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
1057	567424.99	4216953.47	1.63E-03	1.76E-03	1.41E-03	1.55E-03	1.71E-04	2.52E-04	1.49E-04	1.55E-04
1058	567422.72	4216962.58	1.70E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.62E-04
1059	567420.44	4216971.69	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.63E-04	1.70E-04
1060	567418.16	4216980.81	1.88E-03	2.03E-03	1.63E-03	1.79E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
1061	567415.89	4216989.92	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
1062	567411.33	4217008.15	2.15E-03	2.32E-03	1.87E-03	2.06E-03	2.26E-04	3.33E-04	1.97E-04	2.05E-04
1063	567409.05	4217017.27	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
1064	567345.73	4216712.2	9.03E-04	9.75E-04	7.84E-04	8.63E-04	9.48E-05	1.40E-04	8.25E-05	8.61E-05
1065	567337.83	4216706.69	8.99E-04	9.70E-04	7.80E-04	8.59E-04	9.43E-05	1.39E-04	8.21E-05	8.57E-05
1066	567329.92	4216701.17	8.92E-04	9.63E-04	7.74E-04	8.52E-04	9.36E-05	1.38E-04	8.15E-05	8.51E-05
1067	567322.01	4216695.66	8.84E-04	9.54E-04	7.67E-04	8.44E-04	9.27E-05	1.37E-04	8.07E-05	8.42E-05
1068	567266.66	4216657.06	7.69E-04	8.30E-04	6.67E-04	7.34E-04	8.06E-05	1.19E-04	7.02E-05	7.33E-05
1069	567258.76	4216651.55	7.48E-04	8.08E-04	6.49E-04	7.15E-04	7.85E-05	1.16E-04	6.84E-05	7.13E-05
1070	567250.85	4216646.03	7.28E-04	7.86E-04	6.32E-04	6.96E-04	7.64E-05	1.13E-04	6.65E-05	6.94E-05
1071	567242.94	4216640.52	7.08E-04	7.65E-04	6.15E-04	6.77E-04	7.43E-05	1.10E-04	6.47E-05	6.75E-05
1072	567235.03	4216635	6.89E-04	7.43E-04	5.98E-04	6.58E-04	7.22E-05	1.07E-04	6.29E-05	6.57E-05
1073	567356.4	4216711.9	8.73E-04	9.43E-04	7.58E-04	8.34E-04	9.16E-05	1.35E-04	7.98E-05	8.32E-05
1074	567361.35	4216719.8	8.93E-04	9.64E-04	7.75E-04	8.53E-04	9.36E-05	1.38E-04	8.15E-05	8.51E-05
1075	567371.25	4216735.59	9.31E-04	1.00E-03	8.08E-04	8.89E-04	9.76E-05	1.44E-04	8.50E-05	8.87E-05
1076	567381.14	4216751.39	9.72E-04	1.05E-03	8.43E-04	9.28E-04	1.02E-04	1.50E-04	8.87E-05	9.26E-05

1077	567386.09	4216759.29	9.86E-04	1.06E-03	8.55E-04	9.41E-04	1.03E-04	1.53E-04	9.00E-05	9.39E-05
1078	567391.04	4216767.19	9.97E-04	1.08E-03	8.65E-04	9.53E-04	1.05E-04	1.54E-04	9.11E-05	9.51E-05
1079	567395.98	4216775.09	1.01E-03	1.09E-03	8.74E-04	9.62E-04	1.06E-04	1.56E-04	9.20E-05	9.60E-05
1080	567400.93	4216782.98	1.02E-03	1.10E-03	8.81E-04	9.70E-04	1.07E-04	1.57E-04	9.28E-05	9.68E-05
1081	567405.88	4216790.88	1.02E-03	1.10E-03	8.85E-04	9.75E-04	1.07E-04	1.58E-04	9.32E-05	9.72E-05
1082	567410.83	4216798.78	1.02E-03	1.10E-03	8.87E-04	9.77E-04	1.07E-04	1.58E-04	9.34E-05	9.75E-05
1083	567430.62	4216830.37	1.02E-03	1.10E-03	8.88E-04	9.77E-04	1.07E-04	1.58E-04	9.35E-05	9.75E-05
1084	567435.57	4216838.27	1.02E-03	1.10E-03	8.87E-04	9.76E-04	1.07E-04	1.58E-04	9.34E-05	9.74E-05
1085	567445.46	4216854.07	1.02E-03	1.10E-03	8.85E-04	9.74E-04	1.07E-04	1.58E-04	9.32E-05	9.72E-05
1086	567450.41	4216861.97	1.02E-03	1.10E-03	8.85E-04	9.74E-04	1.07E-04	1.58E-04	9.32E-05	9.72E-05
1087	567453.1	4216878.91	1.06E-03	1.14E-03	9.20E-04	1.01E-03	1.11E-04	1.64E-04	9.69E-05	1.01E-04
1088	567450.84	4216887.95	1.10E-03	1.19E-03	9.58E-04	1.05E-03	1.16E-04	1.71E-04	1.01E-04	1.05E-04
1089	567448.58	4216896.99	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
1090	567441.81	4216924.12	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.25E-04
1091	567439.55	4216933.16	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.13E-04	1.26E-04	1.31E-04
1092	567437.29	4216942.2	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.32E-04	1.37E-04
1093	567435.03	4216951.25	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.33E-04	1.38E-04	1.44E-04
1094	567432.77	4216960.29	1.57E-03	1.70E-03	1.37E-03	1.50E-03	1.65E-04	2.44E-04	1.44E-04	1.50E-04
1095	567430.51	4216969.33	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.55E-04	1.51E-04	1.57E-04
1096	567428.25	4216978.37	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
1097	567426	4216987.42	1.81E-03	1.96E-03	1.57E-03	1.73E-03	1.90E-04	2.81E-04	1.66E-04	1.73E-04
1098	567351.45	4216704	8.53E-04	9.21E-04	7.40E-04	8.15E-04	8.95E-05	1.32E-04	7.79E-05	8.13E-05
1099	567343.55	4216698.49	8.49E-04	9.16E-04	7.36E-04	8.11E-04	8.90E-05	1.31E-04	7.75E-05	8.09E-05
1100	567335.64	4216692.97	8.42E-04	9.09E-04	7.30E-04	8.04E-04	8.83E-05	1.30E-04	7.69E-05	8.02E-05
1101	567327.73	4216687.46	8.34E-04	9.00E-04	7.23E-04	7.96E-04	8.74E-05	1.29E-04	7.61E-05	7.95E-05
1102	567319.83	4216681.94	8.24E-04	8.90E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.85E-05
1103	567280.29	4216654.37	7.46E-04	8.05E-04	6.47E-04	7.13E-04	7.83E-05	1.15E-04	6.81E-05	7.11E-05
1104	567272.38	4216648.86	7.28E-04	7.85E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.65E-05	6.94E-05
1105	567264.48	4216643.34	7.09E-04	7.65E-04	6.15E-04	6.77E-04	7.43E-05	1.10E-04	6.47E-05	6.76E-05
1106	567256.57	4216637.83	6.90E-04	7.45E-04	5.99E-04	6.60E-04	7.24E-05	1.07E-04	6.31E-05	6.58E-05
1107	567248.66	4216632.31	6.72E-04	7.26E-04	5.83E-04	6.42E-04	7.05E-05	1.04E-04	6.14E-05	6.41E-05
1108	567240.75	4216626.8	6.54E-04	7.06E-04	5.68E-04	6.25E-04	6.86E-05	1.01E-04	5.98E-05	6.24E-05
1109	567362.09	4216703.64	8.26E-04	8.91E-04	7.16E-04	7.89E-04	8.66E-05	1.28E-04	7.54E-05	7.87E-05
1110	567367	4216711.48	8.44E-04	9.11E-04	7.32E-04	8.06E-04	8.85E-05	1.31E-04	7.71E-05	8.04E-05
1111	567371.91	4216719.32	8.61E-04	9.29E-04	7.47E-04	8.22E-04	9.03E-05	1.33E-04	7.86E-05	8.21E-05
1112	567381.73	4216735	9.01E-04	9.73E-04	7.82E-04	8.61E-04	9.45E-05	1.40E-04	8.23E-05	8.59E-05
1113	567396.47	4216758.53	9.41E-04	1.02E-03	8.16E-04	8.99E-04	9.87E-05	1.46E-04	8.59E-05	8.97E-05
1114	567401.38	4216766.37	9.51E-04	1.03E-03	8.25E-04	9.08E-04	9.97E-05	1.47E-04	8.68E-05	9.06E-05
1115	567411.2	4216782.05	9.64E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
1116	567416.12	4216789.89	9.69E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.85E-05	9.23E-05
1117	567425.94	4216805.57	9.71E-04	1.05E-03	8.43E-04	9.28E-04	1.02E-04	1.50E-04	8.87E-05	9.26E-05
1118	567445.59	4216836.93	9.68E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.84E-05	9.23E-05
1119	567450.5	4216844.78	9.67E-04	1.04E-03	8.39E-04	9.24E-04	1.01E-04	1.50E-04	8.84E-05	9.22E-05
1120	567460.32	4216860.46	9.67E-04	1.04E-03	8.39E-04	9.24E-04	1.01E-04	1.50E-04	8.84E-05	9.22E-05
1121	567462.99	4216877.27	1.00E-03	1.08E-03	8.71E-04	9.58E-04	1.05E-04	1.55E-04	9.17E-05	9.56E-05
1122	567460.75	4216886.25	1.04E-03	1.12E-03	9.04E-04	9.95E-04	1.09E-04	1.61E-04	9.51E-05	9.93E-05
1123	567451.78	4216922.16	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1124	567449.54	4216931.13	1.28E-03	1.39E-03	1.11E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.22E-04
1125	567447.3	4216940.11	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1126	567445.05	4216949.09	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.33E-04
1127	567442.81	4216958.06	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.34E-04	1.39E-04
1128	567440.57	4216967.04	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
1129	567438.33	4216976.02	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.47E-04	1.46E-04	1.52E-04
1130	567436.09	4216984.99	1.67E-03	1.81E-03	1.45E-03	1.60E-03	1.76E-04	2.59E-04	1.53E-04	1.60E-04

1131	567433.84	4216993.97	1.75E-03	1.89E-03	1.52E-03	1.67E-03	1.84E-04	2.71E-04	1.60E-04	1.67E-04
1132	567349.27	4216690.28	8.02E-04	8.66E-04	6.96E-04	7.66E-04	8.41E-05	1.24E-04	7.32E-05	7.64E-05
1133	567341.36	4216684.77	7.95E-04	8.58E-04	6.90E-04	7.59E-04	8.34E-05	1.23E-04	7.26E-05	7.58E-05
1134	567333.45	4216679.25	7.87E-04	8.50E-04	6.83E-04	7.52E-04	8.26E-05	1.22E-04	7.19E-05	7.50E-05
1135	567325.55	4216673.74	7.79E-04	8.41E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
1136	567293.92	4216651.68	7.23E-04	7.81E-04	6.27E-04	6.91E-04	7.59E-05	1.12E-04	6.61E-05	6.89E-05
1137	567286.01	4216646.17	7.07E-04	7.63E-04	6.13E-04	6.75E-04	7.42E-05	1.09E-04	6.46E-05	6.74E-05
1138	567278.1	4216640.65	6.90E-04	7.45E-04	5.99E-04	6.59E-04	7.24E-05	1.07E-04	6.30E-05	6.58E-05
1139	567270.2	4216635.14	6.73E-04	7.26E-04	5.84E-04	6.43E-04	7.06E-05	1.04E-04	6.15E-05	6.41E-05
1140	567262.29	4216629.63	6.56E-04	7.08E-04	5.69E-04	6.26E-04	6.88E-05	1.02E-04	5.99E-05	6.25E-05
1141	567254.38	4216624.11	6.39E-04	6.90E-04	5.55E-04	6.11E-04	6.71E-05	9.90E-05	5.84E-05	6.09E-05
1142	567246.48	4216618.6	6.23E-04	6.72E-04	5.40E-04	5.95E-04	6.53E-05	9.64E-05	5.69E-05	5.93E-05
1143	567368	4216695.74	7.82E-04	8.44E-04	6.79E-04	7.47E-04	8.21E-05	1.21E-04	7.15E-05	7.46E-05
1144	567373.1	4216703.88	8.00E-04	8.63E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.31E-05	7.62E-05
1145	567378.2	4216712.02	8.17E-04	8.81E-04	7.08E-04	7.80E-04	8.56E-05	1.26E-04	7.46E-05	7.78E-05
1146	567383.3	4216720.17	8.40E-04	9.06E-04	7.28E-04	8.02E-04	8.81E-05	1.30E-04	7.67E-05	8.00E-05
1147	567388.4	4216728.31	8.55E-04	9.23E-04	7.42E-04	8.17E-04	8.97E-05	1.32E-04	7.81E-05	8.15E-05
1148	567398.6	4216744.59	8.83E-04	9.53E-04	7.66E-04	8.43E-04	9.26E-05	1.37E-04	8.06E-05	8.41E-05
1149	567403.7	4216752.74	8.93E-04	9.64E-04	7.75E-04	8.53E-04	9.37E-05	1.38E-04	8.16E-05	8.51E-05
1150	567408.8	4216760.88	9.02E-04	9.73E-04	7.82E-04	8.61E-04	9.46E-05	1.40E-04	8.24E-05	8.59E-05
1151	567413.9	4216769.02	9.09E-04	9.81E-04	7.89E-04	8.68E-04	9.53E-05	1.41E-04	8.30E-05	8.66E-05
1152	567419	4216777.16	9.16E-04	9.88E-04	7.94E-04	8.75E-04	9.60E-05	1.42E-04	8.36E-05	8.73E-05
1153	567424.1	4216785.31	9.21E-04	9.94E-04	7.99E-04	8.79E-04	9.66E-05	1.43E-04	8.41E-05	8.78E-05
1154	567429.2	4216793.45	9.23E-04	9.96E-04	8.01E-04	8.81E-04	9.68E-05	1.43E-04	8.43E-05	8.80E-05
1155	567434.31	4216801.59	9.23E-04	9.97E-04	8.01E-04	8.82E-04	9.68E-05	1.43E-04	8.43E-05	8.80E-05
1156	567449.61	4216826.02	9.21E-04	9.94E-04	7.99E-04	8.80E-04	9.66E-05	1.43E-04	8.42E-05	8.78E-05
1157	567454.71	4216834.16	9.21E-04	9.94E-04	7.99E-04	8.80E-04	9.66E-05	1.43E-04	8.41E-05	8.78E-05
1158	567459.81	4216842.3	9.20E-04	9.93E-04	7.98E-04	8.78E-04	9.65E-05	1.42E-04	8.40E-05	8.77E-05
1159	567464.91	4216850.45	9.19E-04	9.92E-04	7.97E-04	8.78E-04	9.64E-05	1.42E-04	8.39E-05	8.76E-05
1160	567470.01	4216858.59	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
1161	567472.78	4216876.05	9.53E-04	1.03E-03	8.27E-04	9.10E-04	9.99E-05	1.47E-04	8.70E-05	9.08E-05
1162	567470.45	4216885.37	9.88E-04	1.07E-03	8.57E-04	9.44E-04	1.04E-04	1.53E-04	9.02E-05	9.42E-05
1163	567468.13	4216894.7	1.03E-03	1.11E-03	8.90E-04	9.80E-04	1.08E-04	1.59E-04	9.37E-05	9.78E-05
1164	567465.8	4216904.02	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
1165	567458.81	4216931.98	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
1166	567456.48	4216941.3	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.97E-04	1.16E-04	1.21E-04
1167	567454.16	4216950.63	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.06E-04	1.21E-04	1.27E-04
1168	567451.83	4216959.95	1.39E-03	1.50E-03	1.20E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
1169	567449.5	4216969.27	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.32E-04	1.38E-04
1170	567447.17	4216978.59	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
1171	567444.84	4216987.91	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
1172	567362.9	4216687.6	7.63E-04	8.24E-04	6.62E-04	7.29E-04	8.01E-05	1.18E-04	6.97E-05	7.27E-05
1173	567354.99	4216682.08	7.58E-04	8.18E-04	6.58E-04	7.24E-04	7.95E-05	1.17E-04	6.93E-05	7.23E-05
1174	567347.08	4216676.57	7.52E-04	8.11E-04	6.52E-04	7.18E-04	7.88E-05	1.16E-04	6.87E-05	7.16E-05
1175	567339.17	4216671.05	7.45E-04	8.04E-04	6.46E-04	7.11E-04	7.81E-05	1.15E-04	6.80E-05	7.10E-05
1176	567307.55	4216649	7.00E-04	7.56E-04	6.08E-04	6.69E-04	7.35E-05	1.08E-04	6.40E-05	6.67E-05
1177	567299.64	4216643.48	6.86E-04	7.40E-04	5.95E-04	6.55E-04	7.20E-05	1.06E-04	6.27E-05	6.54E-05
1178	567291.73	4216637.97	6.71E-04	7.24E-04	5.82E-04	6.41E-04	7.04E-05	1.04E-04	6.13E-05	6.40E-05
1179	567283.82	4216632.45	6.56E-04	7.08E-04	5.69E-04	6.26E-04	6.88E-05	1.01E-04	5.99E-05	6.25E-05
1180	567275.92	4216626.94	6.40E-04	6.91E-04	5.55E-04	6.11E-04	6.71E-05	9.91E-05	5.85E-05	6.10E-05
1181	567268.01	4216621.42	6.24E-04	6.74E-04	5.42E-04	5.96E-04	6.55E-05	9.66E-05	5.70E-05	5.95E-05
1182	567260.1	4216615.91	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.42E-05	5.56E-05	5.80E-05
1183	567252.2	4216610.4	5.94E-04	6.41E-04	5.15E-04	5.67E-04	6.23E-05	9.19E-05	5.42E-05	5.66E-05
1184	567373.68	4216687.47	7.41E-04	8.00E-04	6.43E-04	7.08E-04	7.77E-05	1.15E-04	6.77E-05	7.06E-05

1185	567378.73	4216695.55	7.58E-04	8.18E-04	6.57E-04	7.24E-04	7.95E-05	1.17E-04	6.92E-05	7.22E-05
1186	567383.79	4216703.62	7.73E-04	8.35E-04	6.71E-04	7.39E-04	8.11E-05	1.20E-04	7.06E-05	7.37E-05
1187	567388.85	4216711.7	7.89E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.52E-05
1188	567393.91	4216719.78	8.11E-04	8.75E-04	7.03E-04	7.74E-04	8.50E-05	1.25E-04	7.40E-05	7.73E-05
1189	567398.97	4216727.85	8.24E-04	8.90E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.86E-05
1190	567409.09	4216744.01	8.46E-04	9.14E-04	7.34E-04	8.09E-04	8.88E-05	1.31E-04	7.73E-05	8.07E-05
1191	567414.15	4216752.09	8.54E-04	9.22E-04	7.41E-04	8.16E-04	8.96E-05	1.32E-04	7.81E-05	8.14E-05
1192	567419.21	4216760.16	8.62E-04	9.30E-04	7.48E-04	8.23E-04	9.04E-05	1.33E-04	7.87E-05	8.21E-05
1193	567424.27	4216768.24	8.68E-04	9.37E-04	7.53E-04	8.29E-04	9.11E-05	1.34E-04	7.93E-05	8.28E-05
1194	567429.33	4216776.32	8.74E-04	9.43E-04	7.58E-04	8.34E-04	9.16E-05	1.35E-04	7.98E-05	8.33E-05
1195	567434.39	4216784.39	8.77E-04	9.47E-04	7.61E-04	8.38E-04	9.20E-05	1.36E-04	8.01E-05	8.36E-05
1196	567439.45	4216792.47	8.79E-04	9.49E-04	7.62E-04	8.39E-04	9.22E-05	1.36E-04	8.03E-05	8.38E-05
1197	567444.51	4216800.55	8.79E-04	9.49E-04	7.62E-04	8.39E-04	9.22E-05	1.36E-04	8.03E-05	8.38E-05
1198	567459.69	4216824.78	8.78E-04	9.47E-04	7.61E-04	8.38E-04	9.20E-05	1.36E-04	8.02E-05	8.36E-05
1199	567464.75	4216832.85	8.77E-04	9.46E-04	7.61E-04	8.37E-04	9.20E-05	1.36E-04	8.01E-05	8.36E-05
1200	567469.81	4216840.93	8.75E-04	9.45E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	8.00E-05	8.34E-05
1201	567474.87	4216849.01	8.74E-04	9.43E-04	7.58E-04	8.35E-04	9.17E-05	1.35E-04	7.98E-05	8.33E-05
1202	567479.93	4216857.09	8.73E-04	9.42E-04	7.57E-04	8.34E-04	9.15E-05	1.35E-04	7.97E-05	8.32E-05
1203	567482.68	4216874.41	9.02E-04	9.74E-04	7.83E-04	8.62E-04	9.46E-05	1.40E-04	8.24E-05	8.60E-05
1204	567480.37	4216883.66	9.35E-04	1.01E-03	8.11E-04	8.93E-04	9.81E-05	1.45E-04	8.54E-05	8.91E-05
1205	567478.06	4216892.9	9.69E-04	1.05E-03	8.41E-04	9.26E-04	1.02E-04	1.50E-04	8.85E-05	9.24E-05
1206	567475.75	4216902.15	1.01E-03	1.09E-03	8.73E-04	9.61E-04	1.05E-04	1.56E-04	9.19E-05	9.59E-05
1207	567468.82	4216929.89	1.14E-03	1.23E-03	9.88E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.09E-04
1208	567466.51	4216939.14	1.19E-03	1.28E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.13E-04
1209	567464.2	4216948.38	1.24E-03	1.34E-03	1.08E-03	1.18E-03	1.30E-04	1.92E-04	1.13E-04	1.18E-04
1210	567461.89	4216957.63	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
1211	567459.58	4216966.88	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.24E-04	1.29E-04
1212	567457.27	4216976.12	1.41E-03	1.53E-03	1.23E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
1213	567454.96	4216985.37	1.48E-03	1.60E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
1214	567452.65	4216994.62	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.39E-04	1.41E-04	1.47E-04
1215	567368.62	4216679.39	7.23E-04	7.81E-04	6.28E-04	6.91E-04	7.59E-05	1.12E-04	6.61E-05	6.89E-05
1216	567360.71	4216673.88	7.18E-04	7.75E-04	6.23E-04	6.86E-04	7.53E-05	1.11E-04	6.56E-05	6.85E-05
1217	567352.8	4216668.36	7.12E-04	7.68E-04	6.18E-04	6.80E-04	7.47E-05	1.10E-04	6.50E-05	6.78E-05
1218	567321.17	4216646.31	6.77E-04	7.31E-04	5.88E-04	6.47E-04	7.11E-05	1.05E-04	6.19E-05	6.46E-05
1219	567313.27	4216640.79	6.65E-04	7.18E-04	5.77E-04	6.35E-04	6.97E-05	1.03E-04	6.07E-05	6.34E-05
1220	567305.36	4216635.28	6.52E-04	7.04E-04	5.66E-04	6.23E-04	6.84E-05	1.01E-04	5.95E-05	6.21E-05
1221	567297.45	4216629.76	6.38E-04	6.89E-04	5.54E-04	6.09E-04	6.69E-05	9.88E-05	5.83E-05	6.08E-05
1222	567289.54	4216624.25	6.24E-04	6.73E-04	5.41E-04	5.96E-04	6.54E-05	9.66E-05	5.70E-05	5.95E-05
1223	567281.64	4216618.74	6.10E-04	6.58E-04	5.29E-04	5.82E-04	6.39E-05	9.44E-05	5.57E-05	5.81E-05
1224	567273.73	4216613.22	5.95E-04	6.42E-04	5.16E-04	5.68E-04	6.24E-05	9.21E-05	5.44E-05	5.67E-05
1225	567265.82	4216607.71	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.09E-05	8.99E-05	5.31E-05	5.54E-05
1226	567257.92	4216602.19	5.67E-04	6.12E-04	4.92E-04	5.41E-04	5.94E-05	8.77E-05	5.18E-05	5.40E-05
1227	567379.36	4216679.21	7.03E-04	7.59E-04	6.10E-04	6.72E-04	7.38E-05	1.09E-04	6.42E-05	6.70E-05
1228	567384.38	4216687.22	7.19E-04	7.76E-04	6.24E-04	6.87E-04	7.54E-05	1.11E-04	6.57E-05	6.85E-05
1229	567389.4	4216695.24	7.35E-04	7.93E-04	6.37E-04	7.02E-04	7.70E-05	1.14E-04	6.71E-05	7.00E-05
1230	567394.42	4216703.26	7.49E-04	8.09E-04	6.50E-04	7.16E-04	7.86E-05	1.16E-04	6.84E-05	7.14E-05
1231	567399.45	4216711.27	7.63E-04	8.24E-04	6.62E-04	7.29E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
1232	567404.47	4216719.29	7.82E-04	8.44E-04	6.79E-04	7.47E-04	8.21E-05	1.21E-04	7.15E-05	7.46E-05
1233	567409.49	4216727.31	7.94E-04	8.57E-04	6.89E-04	7.58E-04	8.33E-05	1.23E-04	7.25E-05	7.57E-05
1234	567419.53	4216743.34	8.12E-04	8.76E-04	7.04E-04	7.75E-04	8.52E-05	1.26E-04	7.42E-05	7.74E-05
1235	567424.56	4216751.36	8.19E-04	8.84E-04	7.10E-04	7.82E-04	8.59E-05	1.27E-04	7.48E-05	7.80E-05
1236	567429.58	4216759.38	8.25E-04	8.90E-04	7.16E-04	7.88E-04	8.65E-05	1.28E-04	7.53E-05	7.86E-05
1237	567434.6	4216767.39	8.30E-04	8.96E-04	7.20E-04	7.93E-04	8.71E-05	1.28E-04	7.58E-05	7.91E-05
1238	567439.62	4216775.41	8.34E-04	9.00E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05

1239	567444.64	4216783.43	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.30E-04	7.65E-05	7.98E-05
1240	567449.67	4216791.44	8.38E-04	9.05E-04	7.27E-04	8.00E-04	8.79E-05	1.30E-04	7.65E-05	7.99E-05
1241	567454.69	4216799.46	8.38E-04	9.05E-04	7.27E-04	8.01E-04	8.79E-05	1.30E-04	7.66E-05	7.99E-05
1242	567464.73	4216815.49	8.37E-04	9.04E-04	7.26E-04	8.00E-04	8.78E-05	1.30E-04	7.65E-05	7.98E-05
1243	567469.75	4216823.51	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.30E-04	7.64E-05	7.98E-05
1244	567474.78	4216831.53	8.36E-04	9.02E-04	7.25E-04	7.98E-04	8.77E-05	1.29E-04	7.63E-05	7.97E-05
1245	567479.8	4216839.54	8.34E-04	9.00E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05
1246	567484.82	4216847.56	8.32E-04	8.98E-04	7.22E-04	7.95E-04	8.73E-05	1.29E-04	7.60E-05	7.93E-05
1247	567489.84	4216855.58	8.30E-04	8.96E-04	7.20E-04	7.93E-04	8.71E-05	1.29E-04	7.59E-05	7.92E-05
1248	567492.57	4216872.77	8.56E-04	9.24E-04	7.42E-04	8.17E-04	8.98E-05	1.32E-04	7.82E-05	8.16E-05
1249	567490.28	4216881.95	8.86E-04	9.56E-04	7.69E-04	8.46E-04	9.29E-05	1.37E-04	8.09E-05	8.44E-05
1250	567487.99	4216891.13	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
1251	567485.69	4216900.31	9.52E-04	1.03E-03	8.26E-04	9.09E-04	9.99E-05	1.47E-04	8.70E-05	9.07E-05
1252	567483.4	4216909.48	9.88E-04	1.07E-03	8.57E-04	9.44E-04	1.04E-04	1.53E-04	9.02E-05	9.42E-05
1253	567476.52	4216937.02	1.11E-03	1.20E-03	9.67E-04	1.06E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
1254	567474.23	4216946.2	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
1255	567471.94	4216955.37	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.87E-04	1.11E-04	1.15E-04
1256	567469.65	4216964.55	1.26E-03	1.36E-03	1.10E-03	1.21E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
1257	567467.35	4216973.73	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.26E-04
1258	567465.06	4216982.91	1.38E-03	1.49E-03	1.19E-03	1.31E-03	1.44E-04	2.13E-04	1.26E-04	1.31E-04
1259	567462.77	4216992.09	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
1260	567460.48	4217001.26	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
1261	567374.34	4216671.19	6.87E-04	7.41E-04	5.96E-04	6.56E-04	7.21E-05	1.06E-04	6.27E-05	6.55E-05
1262	567366.43	4216665.68	6.82E-04	7.36E-04	5.92E-04	6.51E-04	7.15E-05	1.06E-04	6.23E-05	6.50E-05
1263	567334.8	4216643.62	6.53E-04	7.05E-04	5.66E-04	6.24E-04	6.85E-05	1.01E-04	5.96E-05	6.22E-05
1264	567326.89	4216638.1	6.44E-04	6.95E-04	5.59E-04	6.15E-04	6.75E-05	9.97E-05	5.88E-05	6.14E-05
1265	567318.99	4216632.59	6.33E-04	6.83E-04	5.49E-04	6.04E-04	6.63E-05	9.79E-05	5.78E-05	6.03E-05
1266	567311.08	4216627.08	6.20E-04	6.70E-04	5.38E-04	5.93E-04	6.51E-05	9.60E-05	5.67E-05	5.91E-05
1267	567303.17	4216621.56	6.08E-04	6.56E-04	5.27E-04	5.80E-04	6.37E-05	9.40E-05	5.55E-05	5.79E-05
1268	567295.26	4216616.05	5.94E-04	6.42E-04	5.16E-04	5.68E-04	6.24E-05	9.20E-05	5.43E-05	5.67E-05
1269	567287.36	4216610.53	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.10E-05	9.00E-05	5.31E-05	5.54E-05
1270	567279.45	4216605.02	5.68E-04	6.13E-04	4.93E-04	5.43E-04	5.96E-05	8.79E-05	5.19E-05	5.41E-05
1271	567271.54	4216599.5	5.55E-04	5.99E-04	4.81E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
1272	567263.64	4216593.99	5.41E-04	5.84E-04	4.70E-04	5.17E-04	5.68E-05	8.38E-05	4.95E-05	5.16E-05
1273	567385.04	4216670.95	6.69E-04	7.22E-04	5.80E-04	6.39E-04	7.02E-05	1.04E-04	6.11E-05	6.38E-05
1274	567390.03	4216678.91	6.84E-04	7.38E-04	5.93E-04	6.53E-04	7.17E-05	1.06E-04	6.25E-05	6.52E-05
1275	567395.02	4216686.87	6.98E-04	7.54E-04	6.06E-04	6.67E-04	7.32E-05	1.08E-04	6.38E-05	6.66E-05
1276	567400.01	4216694.83	7.12E-04	7.69E-04	6.18E-04	6.80E-04	7.47E-05	1.10E-04	6.51E-05	6.79E-05
1277	567404.99	4216702.8	7.25E-04	7.83E-04	6.29E-04	6.93E-04	7.61E-05	1.12E-04	6.63E-05	6.92E-05
1278	567409.98	4216710.76	7.38E-04	7.96E-04	6.40E-04	7.05E-04	7.74E-05	1.14E-04	6.74E-05	7.03E-05
1279	567429.93	4216742.6	7.79E-04	8.41E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
1280	567434.92	4216750.57	7.85E-04	8.47E-04	6.81E-04	7.50E-04	8.23E-05	1.21E-04	7.17E-05	7.48E-05
1281	567439.9	4216758.53	7.90E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.53E-05
1282	567444.89	4216766.49	7.94E-04	8.57E-04	6.89E-04	7.58E-04	8.33E-05	1.23E-04	7.25E-05	7.57E-05
1283	567449.88	4216774.45	7.97E-04	8.61E-04	6.92E-04	7.62E-04	8.36E-05	1.23E-04	7.28E-05	7.60E-05
1284	567454.87	4216782.41	7.99E-04	8.63E-04	6.93E-04	7.63E-04	8.38E-05	1.24E-04	7.30E-05	7.62E-05
1285	567459.85	4216790.37	8.00E-04	8.64E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.31E-05	7.62E-05
1286	567464.84	4216798.33	8.00E-04	8.64E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.31E-05	7.63E-05
1287	567474.82	4216814.26	8.00E-04	8.63E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.30E-05	7.62E-05
1288	567479.8	4216822.22	7.99E-04	8.62E-04	6.93E-04	7.63E-04	8.38E-05	1.24E-04	7.30E-05	7.61E-05
1289	567484.79	4216830.18	7.98E-04	8.61E-04	6.92E-04	7.62E-04	8.37E-05	1.23E-04	7.29E-05	7.60E-05
1290	567489.78	4216838.14	7.96E-04	8.59E-04	6.91E-04	7.60E-04	8.35E-05	1.23E-04	7.27E-05	7.59E-05
1291	567494.77	4216846.1	7.94E-04	8.57E-04	6.89E-04	7.58E-04	8.33E-05	1.23E-04	7.25E-05	7.57E-05
1292	567493.36	4216907.6	9.34E-04	1.01E-03	8.11E-04	8.92E-04	9.80E-05	1.45E-04	8.53E-05	8.91E-05

1293	567484.25	4216944.06	1.09E-03	1.18E-03	9.47E-04	1.04E-03	1.14E-04	1.69E-04	9.97E-05	1.04E-04
1294	567481.97	4216953.17	1.14E-03	1.23E-03	9.86E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1295	567479.7	4216962.29	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
1296	567477.42	4216971.4	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
1297	567475.14	4216980.52	1.28E-03	1.39E-03	1.11E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.22E-04
1298	567472.87	4216989.63	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.40E-04	2.07E-04	1.22E-04	1.28E-04
1299	567470.59	4216998.75	1.40E-03	1.51E-03	1.21E-03	1.33E-03	1.47E-04	2.16E-04	1.28E-04	1.33E-04
1300	567380.06	4216662.99	6.53E-04	7.05E-04	5.67E-04	6.24E-04	6.85E-05	1.01E-04	5.97E-05	6.23E-05
1301	567340.52	4216635.42	6.20E-04	6.70E-04	5.38E-04	5.93E-04	6.51E-05	9.60E-05	5.67E-05	5.91E-05
1302	567332.61	4216629.9	6.13E-04	6.62E-04	5.32E-04	5.85E-04	6.43E-05	9.49E-05	5.60E-05	5.84E-05
1303	567324.71	4216624.39	6.03E-04	6.50E-04	5.23E-04	5.76E-04	6.32E-05	9.33E-05	5.50E-05	5.74E-05
1304	567316.8	4216618.87	5.91E-04	6.38E-04	5.13E-04	5.65E-04	6.20E-05	9.15E-05	5.40E-05	5.64E-05
1305	567308.89	4216613.36	5.79E-04	6.25E-04	5.03E-04	5.53E-04	6.08E-05	8.97E-05	5.29E-05	5.52E-05
1306	567300.98	4216607.85	5.67E-04	6.12E-04	4.92E-04	5.42E-04	5.95E-05	8.78E-05	5.18E-05	5.41E-05
1307	567293.08	4216602.33	5.55E-04	5.99E-04	4.81E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
1308	567285.17	4216596.82	5.43E-04	5.86E-04	4.71E-04	5.18E-04	5.69E-05	8.40E-05	4.96E-05	5.17E-05
1309	567277.26	4216591.3	5.30E-04	5.72E-04	4.60E-04	5.07E-04	5.56E-05	8.21E-05	4.84E-05	5.05E-05
1310	567269.36	4216585.79	5.18E-04	5.59E-04	4.49E-04	4.95E-04	5.43E-05	8.02E-05	4.73E-05	4.94E-05
1311	567390.73	4216662.7	6.37E-04	6.88E-04	5.53E-04	6.09E-04	6.68E-05	9.86E-05	5.82E-05	6.07E-05
1312	567395.69	4216670.61	6.51E-04	7.03E-04	5.65E-04	6.22E-04	6.83E-05	1.01E-04	5.95E-05	6.21E-05
1313	567400.64	4216678.52	6.65E-04	7.18E-04	5.77E-04	6.35E-04	6.97E-05	1.03E-04	6.07E-05	6.34E-05
1314	567405.6	4216686.43	6.78E-04	7.32E-04	5.88E-04	6.48E-04	7.11E-05	1.05E-04	6.19E-05	6.46E-05
1315	567410.55	4216694.34	6.91E-04	7.45E-04	5.99E-04	6.60E-04	7.24E-05	1.07E-04	6.31E-05	6.58E-05
1316	567420.46	4216710.16	7.12E-04	7.69E-04	6.18E-04	6.80E-04	7.47E-05	1.10E-04	6.50E-05	6.79E-05
1317	567425.42	4216718.07	7.27E-04	7.85E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.64E-05	6.93E-05
1318	567435.33	4216733.89	7.41E-04	8.00E-04	6.43E-04	7.08E-04	7.78E-05	1.15E-04	6.77E-05	7.07E-05
1319	567440.29	4216741.8	7.47E-04	8.07E-04	6.48E-04	7.14E-04	7.84E-05	1.16E-04	6.83E-05	7.12E-05
1320	567450.2	4216757.62	7.57E-04	8.18E-04	6.57E-04	7.23E-04	7.94E-05	1.17E-04	6.92E-05	7.22E-05
1321	567455.15	4216765.53	7.61E-04	8.21E-04	6.60E-04	7.27E-04	7.98E-05	1.18E-04	6.95E-05	7.25E-05
1322	567460.11	4216773.44	7.63E-04	8.24E-04	6.62E-04	7.29E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
1323	567465.06	4216781.35	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.01E-05	1.18E-04	6.98E-05	7.28E-05
1324	567470.02	4216789.26	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.28E-05
1325	567474.97	4216797.18	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.29E-05
1326	567484.88	4216813	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.29E-05
1327	567489.84	4216820.91	7.64E-04	8.24E-04	6.62E-04	7.29E-04	8.01E-05	1.18E-04	6.97E-05	7.28E-05
1328	567494.79	4216828.82	7.62E-04	8.23E-04	6.61E-04	7.28E-04	7.99E-05	1.18E-04	6.96E-05	7.27E-05
1329	567492	4216951.02	1.07E-03	1.15E-03	9.27E-04	1.02E-03	1.12E-04	1.65E-04	9.76E-05	1.02E-04
1330	567489.73	4216960.08	1.11E-03	1.20E-03	9.65E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
1331	567487.47	4216969.13	1.16E-03	1.25E-03	1.00E-03	1.11E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
1332	567485.21	4216978.19	1.20E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
1333	567482.95	4216987.25	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.32E-04	1.94E-04	1.15E-04	1.20E-04
1334	567480.68	4216996.3	1.31E-03	1.41E-03	1.13E-03	1.25E-03	1.37E-04	2.02E-04	1.19E-04	1.24E-04
1335	567478.42	4217005.36	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
1336	567354.15	4216632.73	5.98E-04	6.46E-04	5.19E-04	5.71E-04	6.27E-05	9.26E-05	5.46E-05	5.70E-05
1337	567346.24	4216627.21	5.92E-04	6.39E-04	5.13E-04	5.65E-04	6.21E-05	9.16E-05	5.40E-05	5.64E-05
1338	567338.33	4216621.7	5.85E-04	6.31E-04	5.07E-04	5.58E-04	6.13E-05	9.05E-05	5.34E-05	5.57E-05
1339	567330.43	4216616.19	5.75E-04	6.20E-04	4.99E-04	5.49E-04	6.03E-05	8.90E-05	5.25E-05	5.48E-05
1340	567322.52	4216610.67	5.64E-04	6.09E-04	4.90E-04	5.39E-04	5.92E-05	8.73E-05	5.15E-05	5.38E-05
1341	567314.61	4216605.16	5.53E-04	5.97E-04	4.80E-04	5.29E-04	5.80E-05	8.57E-05	5.05E-05	5.27E-05
1342	567306.7	4216599.64	5.42E-04	5.85E-04	4.70E-04	5.18E-04	5.69E-05	8.39E-05	4.95E-05	5.17E-05
1343	567298.8	4216594.13	5.31E-04	5.73E-04	4.60E-04	5.07E-04	5.56E-05	8.21E-05	4.85E-05	5.06E-05
1344	567290.89	4216588.61	5.19E-04	5.60E-04	4.50E-04	4.96E-04	5.44E-05	8.03E-05	4.74E-05	4.95E-05
1345	567282.98	4216583.1	5.08E-04	5.48E-04	4.40E-04	4.85E-04	5.32E-05	7.86E-05	4.64E-05	4.84E-05
1346	567275.08	4216577.59	4.96E-04	5.36E-04	4.30E-04	4.74E-04	5.20E-05	7.68E-05	4.53E-05	4.73E-05

1347	567103.47	4216803.66	3.96E-03	4.28E-03	3.44E-03	3.78E-03	4.15E-04	6.13E-04	3.62E-04	3.78E-04
1348	567103.47	4216793.66	3.28E-03	3.54E-03	2.85E-03	3.14E-03	3.44E-04	5.08E-04	3.00E-04	3.13E-04
1349	567104.9	4216784.11	2.81E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
1350	567104.61	4216774.02	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.53E-04	3.74E-04	2.21E-04	2.30E-04
1351	567118.34	4216778.33	2.58E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.46E-04
1352	567104.42	4216763.96	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.21E-04	3.27E-04	1.93E-04	2.01E-04
1353	567117.77	4216768.15	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.46E-04	2.04E-04	2.13E-04
1354	567089.85	4216761.86	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
1355	567104.29	4216753.91	1.87E-03	2.01E-03	1.62E-03	1.78E-03	1.96E-04	2.89E-04	1.70E-04	1.78E-04
1356	567117.36	4216758.02	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.04E-04	1.80E-04	1.87E-04
1357	567130.44	4216762.13	2.08E-03	2.24E-03	1.80E-03	1.98E-03	2.18E-04	3.21E-04	1.90E-04	1.98E-04
1358	567089.85	4216751.86	1.82E-03	1.96E-03	1.57E-03	1.73E-03	1.90E-04	2.81E-04	1.66E-04	1.73E-04
1359	567105.1	4216744.17	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.52E-04	1.59E-04
1360	567119.81	4216748.79	1.77E-03	1.91E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1361	567134.52	4216753.42	1.87E-03	2.02E-03	1.62E-03	1.78E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
1362	567089.85	4216741.86	1.62E-03	1.75E-03	1.41E-03	1.55E-03	1.70E-04	2.51E-04	1.48E-04	1.55E-04
1363	567104.9	4216734.11	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
1364	567119.2	4216738.6	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.66E-04	2.44E-04	1.44E-04	1.51E-04
1365	567133.5	4216743.09	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
1366	567132.71	4216732.85	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
1367	567146.69	4216737.24	1.56E-03	1.69E-03	1.36E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
1368	567145.8	4216726.96	1.41E-03	1.52E-03	1.22E-03	1.35E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
1369	567089.85	4216711.86	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
1370	567105.19	4216704.2	1.13E-03	1.22E-03	9.84E-04	1.08E-03	1.19E-04	1.75E-04	1.04E-04	1.08E-04
1371	567089.85	4216701.86	1.11E-03	1.20E-03	9.61E-04	1.06E-03	1.16E-04	1.72E-04	1.01E-04	1.06E-04
1372	567105.03	4216694.15	1.04E-03	1.13E-03	9.04E-04	9.96E-04	1.09E-04	1.61E-04	9.52E-05	9.94E-05
1373	567119.59	4216698.72	1.09E-03	1.17E-03	9.43E-04	1.04E-03	1.14E-04	1.68E-04	9.93E-05	1.04E-04
1374	567134.15	4216703.3	1.14E-03	1.23E-03	9.85E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1375	567089.85	4216691.86	1.02E-03	1.10E-03	8.85E-04	9.75E-04	1.07E-04	1.58E-04	9.32E-05	9.73E-05
1376	567104.9	4216684.11	9.63E-04	1.04E-03	8.36E-04	9.20E-04	1.01E-04	1.49E-04	8.80E-05	9.18E-05
1377	567119.2	4216688.6	1.00E-03	1.08E-03	8.69E-04	9.57E-04	1.05E-04	1.55E-04	9.15E-05	9.55E-05
1378	567133.5	4216693.09	1.04E-03	1.13E-03	9.05E-04	9.97E-04	1.09E-04	1.62E-04	9.53E-05	9.95E-05
1379	567147.8	4216697.59	1.09E-03	1.17E-03	9.43E-04	1.04E-03	1.14E-04	1.68E-04	9.93E-05	1.04E-04
1380	567089.85	4216681.86	9.44E-04	1.02E-03	8.19E-04	9.01E-04	9.90E-05	1.46E-04	8.62E-05	8.99E-05
1381	567104.79	4216674.07	8.94E-04	9.65E-04	7.75E-04	8.54E-04	9.37E-05	1.38E-04	8.16E-05	8.52E-05
1382	567118.87	4216678.5	9.27E-04	1.00E-03	8.04E-04	8.86E-04	9.73E-05	1.44E-04	8.47E-05	8.84E-05
1383	567132.95	4216682.92	9.63E-04	1.04E-03	8.35E-04	9.20E-04	1.01E-04	1.49E-04	8.80E-05	9.18E-05
1384	567147.03	4216687.35	1.00E-03	1.08E-03	8.68E-04	9.56E-04	1.05E-04	1.55E-04	9.14E-05	9.53E-05
1385	567161.11	4216691.77	1.04E-03	1.12E-03	9.00E-04	9.91E-04	1.09E-04	1.61E-04	9.48E-05	9.89E-05
1386	567089.85	4216671.86	8.76E-04	9.45E-04	7.60E-04	8.36E-04	9.18E-05	1.36E-04	8.00E-05	8.35E-05
1387	567105.23	4216664.21	8.33E-04	8.99E-04	7.23E-04	7.96E-04	8.74E-05	1.29E-04	7.61E-05	7.94E-05
1388	567120.19	4216668.91	8.65E-04	9.34E-04	7.51E-04	8.26E-04	9.07E-05	1.34E-04	7.90E-05	8.25E-05
1389	567135.15	4216673.61	8.99E-04	9.70E-04	7.80E-04	8.58E-04	9.42E-05	1.39E-04	8.21E-05	8.56E-05
1390	567150.11	4216678.31	9.33E-04	1.01E-03	8.10E-04	8.92E-04	9.79E-05	1.44E-04	8.53E-05	8.90E-05
1391	567165.07	4216683.02	9.69E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.85E-05	9.23E-05
1392	567180.03	4216687.72	1.00E-03	1.08E-03	8.71E-04	9.59E-04	1.05E-04	1.55E-04	9.17E-05	9.57E-05
1393	567089.85	4216661.86	8.16E-04	8.80E-04	7.08E-04	7.79E-04	8.56E-05	1.26E-04	7.45E-05	7.77E-05
1394	567105.1	4216654.17	7.77E-04	8.39E-04	6.74E-04	7.42E-04	8.15E-05	1.20E-04	7.10E-05	7.41E-05
1395	567119.81	4216658.79	8.06E-04	8.70E-04	6.99E-04	7.69E-04	8.45E-05	1.25E-04	7.36E-05	7.68E-05
1396	567134.52	4216663.42	8.35E-04	9.01E-04	7.24E-04	7.98E-04	8.76E-05	1.29E-04	7.63E-05	7.96E-05
1397	567149.23	4216668.04	8.65E-04	9.34E-04	7.51E-04	8.27E-04	9.08E-05	1.34E-04	7.91E-05	8.25E-05
1398	567163.94	4216672.66	8.96E-04	9.67E-04	7.78E-04	8.56E-04	9.40E-05	1.39E-04	8.19E-05	8.54E-05
1399	567178.65	4216677.28	9.27E-04	1.00E-03	8.04E-04	8.86E-04	9.73E-05	1.44E-04	8.47E-05	8.84E-05
1400	567089.85	4216651.86	7.62E-04	8.23E-04	6.62E-04	7.28E-04	8.00E-05	1.18E-04	6.96E-05	7.27E-05

1401	567105	4216644.14	7.28E-04	7.85E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.65E-05	6.93E-05
1402	567119.49	4216648.69	7.52E-04	8.12E-04	6.53E-04	7.19E-04	7.89E-05	1.16E-04	6.87E-05	7.17E-05
1403	567133.98	4216653.24	7.78E-04	8.40E-04	6.75E-04	7.43E-04	8.16E-05	1.20E-04	7.11E-05	7.42E-05
1404	567148.47	4216657.8	8.05E-04	8.69E-04	6.99E-04	7.69E-04	8.45E-05	1.25E-04	7.36E-05	7.68E-05
1405	567162.96	4216662.35	8.33E-04	8.99E-04	7.23E-04	7.95E-04	8.73E-05	1.29E-04	7.61E-05	7.94E-05
1406	567177.45	4216666.91	8.60E-04	9.28E-04	7.46E-04	8.21E-04	9.02E-05	1.33E-04	7.86E-05	8.20E-05
1407	567191.94	4216671.46	8.87E-04	9.58E-04	7.70E-04	8.48E-04	9.31E-05	1.37E-04	8.11E-05	8.46E-05
1408	567089.85	4216641.86	7.15E-04	7.71E-04	6.20E-04	6.83E-04	7.50E-05	1.11E-04	6.53E-05	6.81E-05
1409	567104.9	4216634.11	6.83E-04	7.37E-04	5.93E-04	6.52E-04	7.16E-05	1.06E-04	6.24E-05	6.51E-05
1410	567119.2	4216638.6	7.05E-04	7.61E-04	6.11E-04	6.73E-04	7.39E-05	1.09E-04	6.44E-05	6.72E-05
1411	567133.5	4216643.09	7.28E-04	7.86E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.65E-05	6.94E-05
1412	567147.8	4216647.59	7.52E-04	8.12E-04	6.52E-04	7.18E-04	7.89E-05	1.16E-04	6.87E-05	7.17E-05
1413	567162.1	4216652.08	7.77E-04	8.39E-04	6.74E-04	7.42E-04	8.15E-05	1.20E-04	7.10E-05	7.40E-05
1414	567176.4	4216656.58	8.01E-04	8.65E-04	6.95E-04	7.65E-04	8.40E-05	1.24E-04	7.32E-05	7.64E-05
1415	567190.7	4216661.07	8.25E-04	8.91E-04	7.16E-04	7.88E-04	8.66E-05	1.28E-04	7.54E-05	7.87E-05
1416	567089.85	4216631.86	6.71E-04	7.25E-04	5.83E-04	6.41E-04	7.04E-05	1.04E-04	6.13E-05	6.40E-05
1417	567105.26	4216624.22	6.44E-04	6.95E-04	5.58E-04	6.15E-04	6.75E-05	9.96E-05	5.88E-05	6.13E-05
1418	567120.27	4216628.94	6.64E-04	7.17E-04	5.76E-04	6.35E-04	6.97E-05	1.03E-04	6.07E-05	6.33E-05
1419	567135.29	4216633.66	6.86E-04	7.41E-04	5.95E-04	6.55E-04	7.20E-05	1.06E-04	6.27E-05	6.54E-05
1420	567150.3	4216638.38	7.09E-04	7.66E-04	6.15E-04	6.78E-04	7.44E-05	1.10E-04	6.48E-05	6.76E-05
1421	567165.32	4216643.09	7.33E-04	7.92E-04	6.36E-04	7.00E-04	7.69E-05	1.13E-04	6.70E-05	6.99E-05
1422	567180.34	4216647.81	7.57E-04	8.17E-04	6.56E-04	7.23E-04	7.93E-05	1.17E-04	6.91E-05	7.21E-05
1423	567089.85	4216621.86	6.32E-04	6.82E-04	5.48E-04	6.04E-04	6.63E-05	9.78E-05	5.77E-05	6.02E-05
1424	567105.15	4216614.19	6.07E-04	6.55E-04	5.27E-04	5.80E-04	6.37E-05	9.40E-05	5.55E-05	5.79E-05
1425	567119.96	4216618.84	6.26E-04	6.76E-04	5.43E-04	5.98E-04	6.57E-05	9.69E-05	5.72E-05	5.97E-05
1426	567134.76	4216623.49	6.46E-04	6.97E-04	5.60E-04	6.17E-04	6.77E-05	9.99E-05	5.90E-05	6.15E-05
1427	567149.57	4216628.14	6.66E-04	7.19E-04	5.78E-04	6.36E-04	6.99E-05	1.03E-04	6.08E-05	6.35E-05
1428	567164.37	4216632.8	6.88E-04	7.42E-04	5.96E-04	6.57E-04	7.21E-05	1.06E-04	6.28E-05	6.55E-05
1429	567179.18	4216637.45	7.09E-04	7.65E-04	6.15E-04	6.77E-04	7.43E-05	1.10E-04	6.47E-05	6.75E-05
1430	567208.79	4216646.75	7.48E-04	8.07E-04	6.49E-04	7.14E-04	7.84E-05	1.16E-04	6.83E-05	7.13E-05
1431	567119.68	4216608.75	5.91E-04	6.38E-04	5.13E-04	5.65E-04	6.20E-05	9.15E-05	5.40E-05	5.64E-05
1432	567134.3	4216613.34	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.43E-05	5.56E-05	5.80E-05
1433	567148.91	4216617.94	6.27E-04	6.77E-04	5.44E-04	5.99E-04	6.58E-05	9.71E-05	5.73E-05	5.98E-05
1434	567163.53	4216622.53	6.46E-04	6.97E-04	5.61E-04	6.17E-04	6.78E-05	1.00E-04	5.90E-05	6.16E-05
1435	567178.15	4216627.13	6.65E-04	7.18E-04	5.77E-04	6.35E-04	6.98E-05	1.03E-04	6.08E-05	6.34E-05
1436	567207.39	4216636.31	7.01E-04	7.56E-04	6.08E-04	6.69E-04	7.35E-05	1.08E-04	6.40E-05	6.68E-05
1437	567104.98	4216594.13	5.43E-04	5.87E-04	4.71E-04	5.19E-04	5.70E-05	8.41E-05	4.96E-05	5.18E-05
1438	567148.33	4216607.75	5.92E-04	6.39E-04	5.14E-04	5.66E-04	6.21E-05	9.16E-05	5.41E-05	5.64E-05
1439	567162.78	4216612.3	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.42E-05	5.56E-05	5.80E-05
1440	567177.23	4216616.84	6.26E-04	6.75E-04	5.43E-04	5.98E-04	6.56E-05	9.69E-05	5.72E-05	5.96E-05
1441	567206.13	4216625.92	6.58E-04	7.10E-04	5.71E-04	6.29E-04	6.90E-05	1.02E-04	6.01E-05	6.27E-05
1442	567220.58	4216630.46	6.74E-04	7.28E-04	5.85E-04	6.44E-04	7.07E-05	1.04E-04	6.16E-05	6.43E-05
1443	567089.85	4216591.86	5.35E-04	5.77E-04	4.64E-04	5.11E-04	5.61E-05	8.27E-05	4.88E-05	5.10E-05
1444	567105.28	4216584.23	5.16E-04	5.57E-04	4.48E-04	4.93E-04	5.41E-05	7.98E-05	4.71E-05	4.92E-05
1445	567120.33	4216588.96	5.31E-04	5.73E-04	4.61E-04	5.07E-04	5.57E-05	8.22E-05	4.85E-05	5.06E-05
1446	567165.49	4216603.15	5.79E-04	6.25E-04	5.02E-04	5.53E-04	6.07E-05	8.96E-05	5.29E-05	5.52E-05
1447	567195.6	4216612.61	6.10E-04	6.59E-04	5.29E-04	5.83E-04	6.40E-05	9.44E-05	5.57E-05	5.82E-05
1448	567210.65	4216617.34	6.26E-04	6.75E-04	5.43E-04	5.98E-04	6.56E-05	9.68E-05	5.71E-05	5.96E-05
1449	567225.7	4216622.07	6.41E-04	6.92E-04	5.56E-04	6.12E-04	6.72E-05	9.92E-05	5.85E-05	6.11E-05
1450	567089.85	4216581.86	5.08E-04	5.48E-04	4.40E-04	4.85E-04	5.32E-05	7.86E-05	4.64E-05	4.84E-05
1451	567105.19	4216574.2	4.90E-04	5.29E-04	4.25E-04	4.68E-04	5.14E-05	7.59E-05	4.48E-05	4.67E-05
1452	567120.06	4216578.87	5.04E-04	5.44E-04	4.37E-04	4.82E-04	5.29E-05	7.80E-05	4.60E-05	4.80E-05
1453	567134.93	4216583.54	5.19E-04	5.60E-04	4.50E-04	4.96E-04	5.44E-05	8.03E-05	4.74E-05	4.95E-05
1454	567194.42	4216602.24	5.76E-04	6.22E-04	5.00E-04	5.50E-04	6.04E-05	8.92E-05	5.26E-05	5.49E-05

1455	567209.29	4216606.91	5.90E-04	6.37E-04	5.12E-04	5.63E-04	6.19E-05	9.13E-05	5.39E-05	5.62E-05
1456	567224.17	4216611.59	6.04E-04	6.52E-04	5.24E-04	5.77E-04	6.33E-05	9.35E-05	5.52E-05	5.76E-05
1457	567089.85	4216571.86	4.83E-04	5.21E-04	4.19E-04	4.61E-04	5.06E-05	7.47E-05	4.41E-05	4.60E-05
1458	567105.1	4216564.17	4.67E-04	5.04E-04	4.05E-04	4.46E-04	4.90E-05	7.22E-05	4.26E-05	4.45E-05
1459	567119.81	4216568.79	4.79E-04	5.18E-04	4.16E-04	4.58E-04	5.03E-05	7.42E-05	4.38E-05	4.57E-05
1460	567134.52	4216573.42	4.93E-04	5.32E-04	4.28E-04	4.71E-04	5.17E-05	7.63E-05	4.50E-05	4.70E-05
1461	567149.23	4216578.04	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.31E-05	7.84E-05	4.63E-05	4.83E-05
1462	567193.36	4216591.91	5.45E-04	5.89E-04	4.73E-04	5.21E-04	5.72E-05	8.44E-05	4.98E-05	5.20E-05
1463	567208.07	4216596.53	5.58E-04	6.02E-04	4.84E-04	5.33E-04	5.85E-05	8.64E-05	5.10E-05	5.32E-05
1464	567222.78	4216601.15	5.70E-04	6.16E-04	4.95E-04	5.45E-04	5.98E-05	8.83E-05	5.21E-05	5.44E-05
1465	567237.49	4216605.77	5.82E-04	6.29E-04	5.05E-04	5.56E-04	6.11E-05	9.02E-05	5.32E-05	5.55E-05
1466	567089.85	4216561.86	4.60E-04	4.96E-04	3.99E-04	4.39E-04	4.82E-05	7.11E-05	4.20E-05	4.38E-05
1467	567105.03	4216554.15	4.45E-04	4.80E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.07E-05	4.24E-05
1468	567119.59	4216558.72	4.57E-04	4.93E-04	3.96E-04	4.36E-04	4.79E-05	7.07E-05	4.17E-05	4.35E-05
1469	567134.15	4216563.3	4.69E-04	5.06E-04	4.07E-04	4.48E-04	4.92E-05	7.26E-05	4.28E-05	4.47E-05
1470	567148.71	4216567.87	4.81E-04	5.20E-04	4.18E-04	4.60E-04	5.05E-05	7.45E-05	4.40E-05	4.59E-05
1471	567163.27	4216572.45	4.94E-04	5.33E-04	4.28E-04	4.72E-04	5.18E-05	7.64E-05	4.51E-05	4.71E-05
1472	567206.95	4216586.18	5.29E-04	5.71E-04	4.59E-04	5.05E-04	5.55E-05	8.19E-05	4.83E-05	5.04E-05
1473	567221.51	4216590.75	5.40E-04	5.83E-04	4.69E-04	5.16E-04	5.66E-05	8.36E-05	4.93E-05	5.15E-05
1474	567236.07	4216595.33	5.51E-04	5.95E-04	4.78E-04	5.26E-04	5.78E-05	8.53E-05	5.03E-05	5.25E-05
1475	567089.85	4216551.86	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.78E-05	4.00E-05	4.18E-05
1476	567104.96	4216544.13	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
1477	567119.39	4216548.66	4.36E-04	4.71E-04	3.78E-04	4.16E-04	4.57E-05	6.75E-05	3.98E-05	4.15E-05
1478	567133.81	4216553.19	4.47E-04	4.82E-04	3.88E-04	4.27E-04	4.69E-05	6.92E-05	4.08E-05	4.26E-05
1479	567148.24	4216557.73	4.58E-04	4.95E-04	3.98E-04	4.38E-04	4.81E-05	7.09E-05	4.19E-05	4.37E-05
1480	567162.66	4216562.26	4.69E-04	5.07E-04	4.07E-04	4.48E-04	4.92E-05	7.27E-05	4.29E-05	4.47E-05
1481	567177.09	4216566.79	4.81E-04	5.19E-04	4.17E-04	4.59E-04	5.04E-05	7.44E-05	4.39E-05	4.58E-05
1482	567205.94	4216575.86	5.02E-04	5.42E-04	4.36E-04	4.80E-04	5.27E-05	7.77E-05	4.59E-05	4.79E-05
1483	567220.36	4216580.39	5.12E-04	5.53E-04	4.45E-04	4.89E-04	5.37E-05	7.93E-05	4.68E-05	4.88E-05
1484	567234.79	4216584.92	5.22E-04	5.64E-04	4.53E-04	4.99E-04	5.48E-05	8.08E-05	4.77E-05	4.98E-05
1485	567249.21	4216589.46	5.32E-04	5.74E-04	4.62E-04	5.08E-04	5.58E-05	8.24E-05	4.86E-05	5.07E-05
1486	567089.85	4216541.86	4.18E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.82E-05	3.99E-05
1487	567105.21	4216534.2	4.06E-04	4.39E-04	3.53E-04	3.88E-04	4.26E-05	6.29E-05	3.71E-05	3.87E-05
1488	567120.13	4216538.89	4.17E-04	4.50E-04	3.62E-04	3.98E-04	4.37E-05	6.45E-05	3.81E-05	3.97E-05
1489	567135.06	4216543.58	4.28E-04	4.62E-04	3.71E-04	4.08E-04	4.49E-05	6.62E-05	3.91E-05	4.08E-05
1490	567149.98	4216548.27	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.79E-05	4.00E-05	4.18E-05
1491	567164.9	4216552.96	4.49E-04	4.85E-04	3.90E-04	4.29E-04	4.71E-05	6.95E-05	4.10E-05	4.28E-05
1492	567179.82	4216557.65	4.60E-04	4.97E-04	3.99E-04	4.39E-04	4.83E-05	7.12E-05	4.20E-05	4.39E-05
1493	567194.74	4216562.34	4.71E-04	5.08E-04	4.08E-04	4.50E-04	4.94E-05	7.29E-05	4.30E-05	4.49E-05
1494	567209.67	4216567.03	4.81E-04	5.19E-04	4.17E-04	4.59E-04	5.04E-05	7.44E-05	4.39E-05	4.58E-05
1495	567224.59	4216571.72	4.90E-04	5.29E-04	4.26E-04	4.68E-04	5.14E-05	7.59E-05	4.48E-05	4.67E-05
1496	567239.51	4216576.41	5.00E-04	5.40E-04	4.34E-04	4.77E-04	5.24E-05	7.74E-05	4.57E-05	4.76E-05
1497	567254.43	4216581.1	5.09E-04	5.50E-04	4.42E-04	4.86E-04	5.34E-05	7.88E-05	4.65E-05	4.85E-05
1498	567089.85	4216531.86	4.00E-04	4.32E-04	3.47E-04	3.82E-04	4.20E-05	6.20E-05	3.66E-05	3.82E-05
1499	567105.14	4216524.18	3.89E-04	4.20E-04	3.37E-04	3.71E-04	4.08E-05	6.02E-05	3.55E-05	3.71E-05
1500	567119.92	4216528.83	3.99E-04	4.30E-04	3.46E-04	3.81E-04	4.18E-05	6.17E-05	3.64E-05	3.80E-05
1501	567134.69	4216533.47	4.09E-04	4.41E-04	3.55E-04	3.90E-04	4.29E-05	6.33E-05	3.73E-05	3.90E-05
1502	567149.47	4216538.11	4.19E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.82E-05	3.99E-05
1503	567164.25	4216542.76	4.29E-04	4.63E-04	3.72E-04	4.09E-04	4.49E-05	6.63E-05	3.91E-05	4.08E-05
1504	567179.02	4216547.4	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.79E-05	4.01E-05	4.18E-05
1505	567193.8	4216552.04	4.49E-04	4.84E-04	3.89E-04	4.28E-04	4.71E-05	6.94E-05	4.10E-05	4.28E-05
1506	567208.58	4216556.69	4.58E-04	4.94E-04	3.97E-04	4.38E-04	4.80E-05	7.09E-05	4.18E-05	4.37E-05
1507	567223.36	4216561.33	4.67E-04	5.04E-04	4.05E-04	4.46E-04	4.90E-05	7.23E-05	4.26E-05	4.45E-05
1508	567238.13	4216565.98	4.76E-04	5.13E-04	4.13E-04	4.54E-04	4.99E-05	7.36E-05	4.34E-05	4.53E-05

1509	567252.91	4216570.62	4.84E-04	5.23E-04	4.20E-04	4.62E-04	5.08E-05	7.49E-05	4.42E-05	4.61E-05
1510	567089.85	4216521.86	3.83E-04	4.14E-04	3.33E-04	3.66E-04	4.02E-05	5.93E-05	3.50E-05	3.65E-05
1511	567073.65	4216820.13	5.56E-03	6.00E-03	4.83E-03	5.31E-03	5.83E-04	8.61E-04	5.08E-04	5.30E-04
1512	567067.94	4216828.01	6.65E-03	7.18E-03	5.77E-03	6.36E-03	6.98E-04	1.03E-03	6.08E-04	6.34E-04
1513	567062.23	4216835.9	7.87E-03	8.49E-03	6.83E-03	7.51E-03	8.25E-04	1.22E-03	7.19E-04	7.50E-04
1514	567056.52	4216843.78	9.09E-03	9.81E-03	7.88E-03	8.68E-03	9.53E-04	1.41E-03	8.30E-04	8.66E-04
1515	567050.8	4216851.67	1.02E-02	1.10E-02	8.82E-03	9.72E-03	1.07E-03	1.57E-03	9.29E-04	9.69E-04
1516	567045.09	4216859.55	1.11E-02	1.20E-02	9.62E-03	1.06E-02	1.16E-03	1.72E-03	1.01E-03	1.06E-03
1517	567039.38	4216867.44	1.19E-02	1.28E-02	1.03E-02	1.13E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
1518	567033.67	4216875.32	1.25E-02	1.35E-02	1.09E-02	1.20E-02	1.31E-03	1.94E-03	1.14E-03	1.19E-03
1519	567027.96	4216883.21	1.31E-02	1.42E-02	1.14E-02	1.25E-02	1.38E-03	2.03E-03	1.20E-03	1.25E-03
1520	567022.24	4216891.09	1.36E-02	1.47E-02	1.18E-02	1.30E-02	1.43E-03	2.11E-03	1.25E-03	1.30E-03
1521	567016.53	4216898.98	1.40E-02	1.51E-02	1.22E-02	1.34E-02	1.47E-03	2.17E-03	1.28E-03	1.34E-03
1522	567010.82	4216906.86	1.43E-02	1.54E-02	1.24E-02	1.36E-02	1.50E-03	2.21E-03	1.31E-03	1.36E-03
1523	567005.11	4216914.75	1.44E-02	1.55E-02	1.25E-02	1.37E-02	1.51E-03	2.23E-03	1.31E-03	1.37E-03
1524	566999.39	4216922.63	1.44E-02	1.55E-02	1.25E-02	1.37E-02	1.51E-03	2.22E-03	1.31E-03	1.37E-03
1525	566993.68	4216930.52	1.42E-02	1.53E-02	1.23E-02	1.36E-02	1.49E-03	2.20E-03	1.30E-03	1.35E-03
1526	566987.97	4216938.4	1.39E-02	1.50E-02	1.21E-02	1.33E-02	1.46E-03	2.15E-03	1.27E-03	1.33E-03
1527	566982.26	4216946.29	1.34E-02	1.45E-02	1.16E-02	1.28E-02	1.41E-03	2.08E-03	1.23E-03	1.28E-03
1528	566976.55	4216954.17	1.27E-02	1.37E-02	1.10E-02	1.21E-02	1.33E-03	1.96E-03	1.16E-03	1.21E-03
1529	566970.83	4216962.06	1.17E-02	1.26E-02	1.01E-02	1.12E-02	1.22E-03	1.81E-03	1.07E-03	1.11E-03
1530	567070.88	4216809.7	4.37E-03	4.72E-03	3.79E-03	4.18E-03	4.59E-04	6.77E-04	3.99E-04	4.17E-04
1531	567059.84	4216822.14	5.55E-03	5.99E-03	4.82E-03	5.30E-03	5.82E-04	8.59E-04	5.07E-04	5.29E-04
1532	567054.13	4216830.03	6.44E-03	6.95E-03	5.58E-03	6.15E-03	6.75E-04	9.96E-04	5.88E-04	6.14E-04
1533	567048.42	4216837.91	7.33E-03	7.92E-03	6.36E-03	7.01E-03	7.69E-04	1.14E-03	6.70E-04	6.99E-04
1534	567042.71	4216845.8	8.19E-03	8.84E-03	7.11E-03	7.83E-03	8.59E-04	1.27E-03	7.48E-04	7.81E-04
1535	567036.99	4216853.68	8.95E-03	9.66E-03	7.76E-03	8.55E-03	9.39E-04	1.39E-03	8.18E-04	8.53E-04
1536	567031.28	4216861.57	9.62E-03	1.04E-02	8.35E-03	9.19E-03	1.01E-03	1.49E-03	8.79E-04	9.17E-04
1537	567025.57	4216869.45	1.02E-02	1.10E-02	8.85E-03	9.74E-03	1.07E-03	1.58E-03	9.32E-04	9.72E-04
1538	567019.86	4216877.34	1.07E-02	1.16E-02	9.30E-03	1.02E-02	1.12E-03	1.66E-03	9.79E-04	1.02E-03
1539	567014.15	4216885.22	1.12E-02	1.21E-02	9.70E-03	1.07E-02	1.17E-03	1.73E-03	1.02E-03	1.07E-03
1540	567008.43	4216893.11	1.15E-02	1.25E-02	1.00E-02	1.10E-02	1.21E-03	1.79E-03	1.05E-03	1.10E-03
1541	567002.72	4216900.99	1.18E-02	1.27E-02	1.02E-02	1.13E-02	1.24E-03	1.82E-03	1.08E-03	1.12E-03
1542	566997.01	4216908.88	1.19E-02	1.29E-02	1.03E-02	1.14E-02	1.25E-03	1.85E-03	1.09E-03	1.14E-03
1543	566991.3	4216916.76	1.20E-02	1.29E-02	1.04E-02	1.14E-02	1.25E-03	1.85E-03	1.09E-03	1.14E-03
1544	566985.58	4216924.65	1.19E-02	1.28E-02	1.03E-02	1.14E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
1545	566979.87	4216932.53	1.17E-02	1.26E-02	1.02E-02	1.12E-02	1.23E-03	1.81E-03	1.07E-03	1.12E-03
1546	566974.16	4216940.42	1.14E-02	1.23E-02	9.86E-03	1.09E-02	1.19E-03	1.76E-03	1.04E-03	1.08E-03
1547	566968.45	4216948.3	1.09E-02	1.17E-02	9.42E-03	1.04E-02	1.14E-03	1.68E-03	9.92E-04	1.03E-03
1548	566962.74	4216956.19	1.02E-02	1.10E-02	8.84E-03	9.73E-03	1.07E-03	1.58E-03	9.30E-04	9.71E-04
1549	567064.56	4216802.31	3.76E-03	4.06E-03	3.26E-03	3.59E-03	3.94E-04	5.82E-04	3.43E-04	3.58E-04
1550	567057.46	4216808.39	4.16E-03	4.49E-03	3.61E-03	3.97E-03	4.36E-04	6.43E-04	3.80E-04	3.96E-04
1551	567051.74	4216816.28	4.76E-03	5.13E-03	4.13E-03	4.54E-03	4.99E-04	7.36E-04	4.34E-04	4.53E-04
1552	567046.03	4216824.16	5.43E-03	5.86E-03	4.71E-03	5.18E-03	5.69E-04	8.40E-04	4.96E-04	5.17E-04
1553	567040.32	4216832.05	6.12E-03	6.60E-03	5.31E-03	5.84E-03	6.42E-04	9.47E-04	5.59E-04	5.83E-04
1554	567034.61	4216839.93	6.79E-03	7.33E-03	5.89E-03	6.49E-03	7.13E-04	1.05E-03	6.21E-04	6.48E-04
1555	567028.9	4216847.82	7.42E-03	8.01E-03	6.44E-03	7.09E-03	7.79E-04	1.15E-03	6.78E-04	7.08E-04
1556	567023.18	4216855.7	8.00E-03	8.63E-03	6.94E-03	7.64E-03	8.39E-04	1.24E-03	7.30E-04	7.62E-04
1557	567017.47	4216863.59	8.52E-03	9.20E-03	7.40E-03	8.14E-03	8.94E-04	1.32E-03	7.79E-04	8.13E-04
1558	567011.76	4216871.47	8.99E-03	9.70E-03	7.80E-03	8.58E-03	9.42E-04	1.39E-03	8.21E-04	8.56E-04
1559	567006.05	4216879.36	9.38E-03	1.01E-02	8.14E-03	8.96E-03	9.84E-04	1.45E-03	8.57E-04	8.94E-04
1560	567000.33	4216887.24	9.71E-03	1.05E-02	8.42E-03	9.27E-03	1.02E-03	1.50E-03	8.87E-04	9.25E-04
1561	566994.62	4216895.13	9.94E-03	1.07E-02	8.63E-03	9.50E-03	1.04E-03	1.54E-03	9.08E-04	9.48E-04
1562	566988.91	4216903.01	1.01E-02	1.09E-02	8.77E-03	9.65E-03	1.06E-03	1.56E-03	9.23E-04	9.63E-04

1563	566983.2	4216910.9	1.02E-02	1.10E-02	8.83E-03	9.73E-03	1.07E-03	1.58E-03	9.30E-04	9.71E-04
1564	566977.49	4216918.78	1.02E-02	1.10E-02	8.82E-03	9.71E-03	1.07E-03	1.57E-03	9.29E-04	9.69E-04
1565	566971.77	4216926.67	1.00E-02	1.08E-02	8.71E-03	9.59E-03	1.05E-03	1.55E-03	9.17E-04	9.57E-04
1566	566966.06	4216934.55	9.80E-03	1.06E-02	8.51E-03	9.37E-03	1.03E-03	1.52E-03	8.96E-04	9.35E-04
1567	566960.35	4216942.44	9.45E-03	1.02E-02	8.20E-03	9.02E-03	9.91E-04	1.46E-03	8.63E-04	9.00E-04
1568	566954.64	4216950.32	8.98E-03	9.69E-03	7.79E-03	8.57E-03	9.42E-04	1.39E-03	8.20E-04	8.56E-04
1569	567055.28	4216797.46	3.41E-03	3.68E-03	2.96E-03	3.26E-03	3.58E-04	5.28E-04	3.12E-04	3.25E-04
1570	567074.7	4216785.5	2.84E-03	3.07E-03	2.47E-03	2.72E-03	2.98E-04	4.40E-04	2.60E-04	2.71E-04
1571	567043.65	4216810.41	4.16E-03	4.49E-03	3.61E-03	3.97E-03	4.36E-04	6.43E-04	3.80E-04	3.96E-04
1572	567037.93	4216818.3	4.68E-03	5.05E-03	4.06E-03	4.47E-03	4.91E-04	7.25E-04	4.28E-04	4.46E-04
1573	567032.22	4216826.18	5.23E-03	5.64E-03	4.54E-03	4.99E-03	5.48E-04	8.09E-04	4.78E-04	4.98E-04
1574	567026.51	4216834.07	5.77E-03	6.23E-03	5.01E-03	5.52E-03	6.06E-04	8.94E-04	5.27E-04	5.50E-04
1575	567020.8	4216841.95	6.30E-03	6.80E-03	5.47E-03	6.02E-03	6.61E-04	9.75E-04	5.75E-04	6.00E-04
1576	567015.09	4216849.84	6.80E-03	7.34E-03	5.90E-03	6.49E-03	7.13E-04	1.05E-03	6.21E-04	6.48E-04
1577	567009.37	4216857.72	7.25E-03	7.83E-03	6.29E-03	6.93E-03	7.61E-04	1.12E-03	6.63E-04	6.92E-04
1578	567003.66	4216865.61	7.66E-03	8.27E-03	6.65E-03	7.32E-03	8.04E-04	1.19E-03	7.00E-04	7.30E-04
1579	566997.95	4216873.49	8.01E-03	8.65E-03	6.95E-03	7.65E-03	8.40E-04	1.24E-03	7.32E-04	7.64E-04
1580	566992.24	4216881.38	8.31E-03	8.97E-03	7.21E-03	7.93E-03	8.71E-04	1.29E-03	7.59E-04	7.92E-04
1581	566986.52	4216889.26	8.53E-03	9.21E-03	7.40E-03	8.15E-03	8.95E-04	1.32E-03	7.80E-04	8.13E-04
1582	566980.81	4216897.15	8.70E-03	9.39E-03	7.55E-03	8.31E-03	9.12E-04	1.35E-03	7.95E-04	8.29E-04
1583	566975.1	4216905.03	8.79E-03	9.49E-03	7.63E-03	8.40E-03	9.22E-04	1.36E-03	8.03E-04	8.38E-04
1584	566969.39	4216912.92	8.80E-03	9.50E-03	7.64E-03	8.41E-03	9.23E-04	1.36E-03	8.04E-04	8.39E-04
1585	566963.68	4216920.8	8.73E-03	9.42E-03	7.57E-03	8.34E-03	9.16E-04	1.35E-03	7.97E-04	8.32E-04
1586	566957.96	4216928.69	8.57E-03	9.25E-03	7.43E-03	8.18E-03	8.99E-04	1.33E-03	7.83E-04	8.17E-04
1587	566952.25	4216936.57	8.31E-03	8.98E-03	7.21E-03	7.94E-03	8.72E-04	1.29E-03	7.59E-04	7.93E-04
1588	566946.54	4216944.46	7.98E-03	8.61E-03	6.92E-03	7.62E-03	8.37E-04	1.23E-03	7.29E-04	7.60E-04
1589	567048.36	4216790.58	3.03E-03	3.27E-03	2.63E-03	2.89E-03	3.18E-04	4.69E-04	2.77E-04	2.89E-04
1590	567055.47	4216784.5	2.78E-03	3.00E-03	2.41E-03	2.66E-03	2.92E-04	4.30E-04	2.54E-04	2.65E-04
1591	567071.67	4216776.23	2.48E-03	2.67E-03	2.15E-03	2.36E-03	2.60E-04	3.83E-04	2.26E-04	2.36E-04
1592	567041.26	4216796.66	3.29E-03	3.55E-03	2.85E-03	3.14E-03	3.45E-04	5.09E-04	3.00E-04	3.14E-04
1593	567035.55	4216804.54	3.68E-03	3.97E-03	3.19E-03	3.52E-03	3.86E-04	5.70E-04	3.36E-04	3.51E-04
1594	567029.84	4216812.43	4.11E-03	4.43E-03	3.56E-03	3.92E-03	4.31E-04	6.36E-04	3.75E-04	3.92E-04
1595	567024.12	4216820.31	4.55E-03	4.92E-03	3.95E-03	4.35E-03	4.78E-04	7.05E-04	4.16E-04	4.34E-04
1596	567018.41	4216828.2	5.00E-03	5.40E-03	4.34E-03	4.78E-03	5.24E-04	7.74E-04	4.57E-04	4.77E-04
1597	567012.7	4216836.08	5.44E-03	5.87E-03	4.72E-03	5.20E-03	5.71E-04	8.42E-04	4.97E-04	5.19E-04
1598	567006.99	4216843.97	5.87E-03	6.34E-03	5.09E-03	5.61E-03	6.16E-04	9.08E-04	5.36E-04	5.59E-04
1599	567001.27	4216851.85	6.26E-03	6.76E-03	5.43E-03	5.98E-03	6.57E-04	9.70E-04	5.72E-04	5.97E-04
1600	566995.56	4216859.74	6.62E-03	7.15E-03	5.74E-03	6.32E-03	6.94E-04	1.02E-03	6.05E-04	6.31E-04
1601	566989.85	4216867.62	6.93E-03	7.48E-03	6.02E-03	6.62E-03	7.27E-04	1.07E-03	6.33E-04	6.61E-04
1602	566984.14	4216875.51	7.20E-03	7.77E-03	6.25E-03	6.88E-03	7.55E-04	1.11E-03	6.58E-04	6.86E-04
1603	566978.43	4216883.39	7.41E-03	8.00E-03	6.43E-03	7.08E-03	7.78E-04	1.15E-03	6.77E-04	7.07E-04
1604	566972.71	4216891.28	7.57E-03	8.17E-03	6.57E-03	7.23E-03	7.94E-04	1.17E-03	6.92E-04	7.22E-04
1605	566967	4216899.16	7.67E-03	8.28E-03	6.66E-03	7.33E-03	8.05E-04	1.19E-03	7.01E-04	7.31E-04
1606	566961.29	4216907.05	7.70E-03	8.32E-03	6.68E-03	7.36E-03	8.08E-04	1.19E-03	7.04E-04	7.34E-04
1607	566955.58	4216914.93	7.67E-03	8.28E-03	6.65E-03	7.32E-03	8.04E-04	1.19E-03	7.00E-04	7.31E-04
1608	566949.86	4216922.82	7.56E-03	8.16E-03	6.56E-03	7.22E-03	7.93E-04	1.17E-03	6.91E-04	7.21E-04
1609	566944.15	4216930.7	7.38E-03	7.97E-03	6.41E-03	7.05E-03	7.74E-04	1.14E-03	6.74E-04	7.04E-04
1610	566938.44	4216938.59	7.14E-03	7.70E-03	6.19E-03	6.82E-03	7.49E-04	1.10E-03	6.52E-04	6.80E-04
1611	567039.38	4216785.47	2.77E-03	2.99E-03	2.41E-03	2.65E-03	2.91E-04	4.29E-04	2.53E-04	2.64E-04
1612	567051.81	4216774.83	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.53E-04	3.73E-04	2.20E-04	2.30E-04
1613	567065.98	4216767.6	2.20E-03	2.37E-03	1.91E-03	2.10E-03	2.30E-04	3.40E-04	2.01E-04	2.09E-04
1614	567027.45	4216798.68	3.29E-03	3.55E-03	2.86E-03	3.14E-03	3.45E-04	5.09E-04	3.01E-04	3.14E-04
1615	567021.74	4216806.56	3.65E-03	3.93E-03	3.16E-03	3.48E-03	3.82E-04	5.64E-04	3.33E-04	3.47E-04
1616	567016.03	4216814.45	4.01E-03	4.33E-03	3.48E-03	3.83E-03	4.21E-04	6.21E-04	3.67E-04	3.83E-04

1617	567010.31	4216822.33	4.39E-03	4.74E-03	3.81E-03	4.19E-03	4.60E-04	6.79E-04	4.01E-04	4.18E-04
1618	567004.6	4216830.22	4.76E-03	5.14E-03	4.13E-03	4.55E-03	4.99E-04	7.37E-04	4.35E-04	4.54E-04
1619	566998.89	4216838.1	5.12E-03	5.53E-03	4.45E-03	4.89E-03	5.38E-04	7.93E-04	4.68E-04	4.88E-04
1620	566993.18	4216845.99	5.48E-03	5.91E-03	4.75E-03	5.23E-03	5.74E-04	8.48E-04	5.00E-04	5.22E-04
1621	566987.46	4216853.87	5.79E-03	6.25E-03	5.02E-03	5.53E-03	6.07E-04	8.96E-04	5.29E-04	5.52E-04
1622	566981.75	4216861.76	6.07E-03	6.55E-03	5.26E-03	5.79E-03	6.36E-04	9.39E-04	5.54E-04	5.78E-04
1623	566976.04	4216869.64	6.31E-03	6.81E-03	5.47E-03	6.02E-03	6.61E-04	9.76E-04	5.76E-04	6.01E-04
1624	566970.33	4216877.53	6.50E-03	7.02E-03	5.64E-03	6.21E-03	6.82E-04	1.01E-03	5.94E-04	6.20E-04
1625	566964.62	4216885.41	6.66E-03	7.18E-03	5.77E-03	6.36E-03	6.98E-04	1.03E-03	6.08E-04	6.34E-04
1626	566958.9	4216893.3	6.76E-03	7.29E-03	5.86E-03	6.45E-03	7.09E-04	1.05E-03	6.17E-04	6.44E-04
1627	566953.19	4216901.18	6.80E-03	7.34E-03	5.90E-03	6.50E-03	7.14E-04	1.05E-03	6.21E-04	6.48E-04
1628	566947.48	4216909.07	6.79E-03	7.33E-03	5.89E-03	6.49E-03	7.13E-04	1.05E-03	6.21E-04	6.48E-04
1629	566941.77	4216916.95	6.73E-03	7.26E-03	5.84E-03	6.43E-03	7.06E-04	1.04E-03	6.14E-04	6.41E-04
1630	566936.05	4216924.84	6.60E-03	7.13E-03	5.73E-03	6.31E-03	6.92E-04	1.02E-03	6.03E-04	6.29E-04
1631	566930.34	4216932.72	6.42E-03	6.93E-03	5.57E-03	6.13E-03	6.74E-04	9.94E-04	5.87E-04	6.12E-04
1632	567032.17	4216778.85	2.51E-03	2.70E-03	2.17E-03	2.39E-03	2.63E-04	3.88E-04	2.29E-04	2.39E-04
1633	567039.27	4216772.77	2.33E-03	2.51E-03	2.02E-03	2.22E-03	2.44E-04	3.60E-04	2.13E-04	2.22E-04
1634	567046.38	4216766.68	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.34E-04	1.97E-04	2.06E-04
1635	567062.57	4216758.42	1.95E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.86E-04
1636	567025.06	4216784.93	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.82E-04	4.17E-04	2.46E-04	2.57E-04
1637	567019.35	4216792.81	2.97E-03	3.21E-03	2.58E-03	2.84E-03	3.12E-04	4.60E-04	2.71E-04	2.83E-04
1638	567013.64	4216800.7	3.27E-03	3.53E-03	2.84E-03	3.12E-03	3.43E-04	5.06E-04	2.98E-04	3.11E-04
1639	567007.93	4216808.58	3.58E-03	3.86E-03	3.10E-03	3.42E-03	3.75E-04	5.54E-04	3.27E-04	3.41E-04
1640	567002.22	4216816.47	3.89E-03	4.20E-03	3.38E-03	3.72E-03	4.08E-04	6.02E-04	3.55E-04	3.71E-04
1641	566996.5	4216824.35	4.21E-03	4.54E-03	3.65E-03	4.02E-03	4.41E-04	6.51E-04	3.84E-04	4.01E-04
1642	566990.79	4216832.24	4.52E-03	4.88E-03	3.92E-03	4.32E-03	4.74E-04	7.00E-04	4.13E-04	4.31E-04
1643	566985.08	4216840.12	4.83E-03	5.21E-03	4.19E-03	4.61E-03	5.06E-04	7.47E-04	4.41E-04	4.60E-04
1644	566979.37	4216848.01	5.11E-03	5.52E-03	4.43E-03	4.88E-03	5.36E-04	7.91E-04	4.67E-04	4.87E-04
1645	566973.65	4216855.89	5.36E-03	5.78E-03	4.65E-03	5.12E-03	5.62E-04	8.29E-04	4.89E-04	5.11E-04
1646	566967.94	4216863.78	5.57E-03	6.02E-03	4.84E-03	5.32E-03	5.85E-04	8.63E-04	5.09E-04	5.31E-04
1647	566962.23	4216871.66	5.75E-03	6.21E-03	4.99E-03	5.50E-03	6.04E-04	8.91E-04	5.26E-04	5.48E-04
1648	566956.52	4216879.55	5.90E-03	6.37E-03	5.12E-03	5.63E-03	6.19E-04	9.13E-04	5.39E-04	5.62E-04
1649	566950.81	4216887.43	6.00E-03	6.47E-03	5.20E-03	5.73E-03	6.29E-04	9.28E-04	5.48E-04	5.72E-04
1650	566945.09	4216895.32	6.05E-03	6.53E-03	5.25E-03	5.78E-03	6.35E-04	9.37E-04	5.53E-04	5.77E-04
1651	566939.38	4216903.2	6.06E-03	6.55E-03	5.26E-03	5.79E-03	6.36E-04	9.39E-04	5.54E-04	5.78E-04
1652	566933.67	4216911.09	6.03E-03	6.50E-03	5.23E-03	5.76E-03	6.32E-04	9.33E-04	5.50E-04	5.74E-04
1653	566927.96	4216918.97	5.94E-03	6.41E-03	5.15E-03	5.67E-03	6.23E-04	9.19E-04	5.43E-04	5.66E-04
1654	566922.24	4216926.86	5.81E-03	6.27E-03	5.04E-03	5.55E-03	6.09E-04	8.99E-04	5.31E-04	5.54E-04
1655	567023.36	4216773.59	2.32E-03	2.50E-03	2.01E-03	2.21E-03	2.43E-04	3.58E-04	2.11E-04	2.21E-04
1656	567036.15	4216762.64	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
1657	567057.12	4216749.73	1.76E-03	1.90E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1658	567011.25	4216786.94	2.70E-03	2.92E-03	2.35E-03	2.58E-03	2.84E-04	4.18E-04	2.47E-04	2.58E-04
1659	567005.54	4216794.83	2.96E-03	3.19E-03	2.57E-03	2.82E-03	3.10E-04	4.58E-04	2.70E-04	2.82E-04
1660	566999.83	4216802.71	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.38E-04	4.98E-04	2.94E-04	3.07E-04
1661	566994.12	4216810.6	3.49E-03	3.76E-03	3.02E-03	3.33E-03	3.66E-04	5.39E-04	3.18E-04	3.32E-04
1662	566988.4	4216818.48	3.76E-03	4.06E-03	3.26E-03	3.59E-03	3.94E-04	5.82E-04	3.43E-04	3.58E-04
1663	566982.69	4216826.37	4.03E-03	4.35E-03	3.50E-03	3.85E-03	4.23E-04	6.24E-04	3.68E-04	3.84E-04
1664	566976.98	4216834.25	4.30E-03	4.64E-03	3.73E-03	4.10E-03	4.51E-04	6.65E-04	3.92E-04	4.09E-04
1665	566971.27	4216842.14	4.54E-03	4.91E-03	3.94E-03	4.34E-03	4.77E-04	7.03E-04	4.15E-04	4.33E-04
1666	566965.56	4216850.02	4.77E-03	5.15E-03	4.14E-03	4.56E-03	5.00E-04	7.38E-04	4.36E-04	4.55E-04
1667	566959.84	4216857.91	4.96E-03	5.36E-03	4.31E-03	4.74E-03	5.21E-04	7.68E-04	4.53E-04	4.73E-04
1668	566954.13	4216865.79	5.13E-03	5.54E-03	4.45E-03	4.90E-03	5.38E-04	7.94E-04	4.68E-04	4.89E-04
1669	566948.42	4216873.68	5.26E-03	5.68E-03	4.57E-03	5.03E-03	5.52E-04	8.15E-04	4.81E-04	5.02E-04
1670	566942.71	4216881.56	5.36E-03	5.79E-03	4.65E-03	5.12E-03	5.62E-04	8.30E-04	4.90E-04	5.11E-04

1671	566936.99	4216889.45	5.42E-03	5.85E-03	4.70E-03	5.18E-03	5.69E-04	8.39E-04	4.95E-04	5.17E-04
1672	566931.28	4216897.33	5.45E-03	5.88E-03	4.72E-03	5.20E-03	5.71E-04	8.43E-04	4.97E-04	5.19E-04
1673	566925.57	4216905.22	5.43E-03	5.86E-03	4.71E-03	5.19E-03	5.69E-04	8.40E-04	4.96E-04	5.17E-04
1674	566919.86	4216913.1	5.37E-03	5.80E-03	4.66E-03	5.13E-03	5.63E-04	8.32E-04	4.91E-04	5.12E-04
1675	566914.15	4216920.99	5.28E-03	5.70E-03	4.58E-03	5.04E-03	5.54E-04	8.17E-04	4.82E-04	5.03E-04
1676	567015.97	4216767.11	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.03E-04
1677	567023.08	4216761.03	1.99E-03	2.14E-03	1.72E-03	1.90E-03	2.08E-04	3.08E-04	1.81E-04	1.89E-04
1678	567030.18	4216754.95	1.86E-03	2.01E-03	1.61E-03	1.78E-03	1.95E-04	2.88E-04	1.70E-04	1.77E-04
1679	567008.87	4216773.19	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
1680	567003.16	4216781.08	2.48E-03	2.67E-03	2.15E-03	2.37E-03	2.60E-04	3.83E-04	2.26E-04	2.36E-04
1681	566997.44	4216788.96	2.70E-03	2.91E-03	2.34E-03	2.58E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
1682	566991.73	4216796.85	2.92E-03	3.15E-03	2.54E-03	2.79E-03	3.07E-04	4.52E-04	2.67E-04	2.79E-04
1683	566986.02	4216804.73	3.15E-03	3.41E-03	2.74E-03	3.01E-03	3.31E-04	4.88E-04	2.88E-04	3.01E-04
1684	566980.31	4216812.62	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.55E-04	5.24E-04	3.10E-04	3.23E-04
1685	566974.59	4216820.5	3.62E-03	3.91E-03	3.14E-03	3.46E-03	3.80E-04	5.61E-04	3.31E-04	3.45E-04
1686	566968.88	4216828.39	3.85E-03	4.16E-03	3.34E-03	3.68E-03	4.04E-04	5.96E-04	3.52E-04	3.67E-04
1687	566963.17	4216836.27	4.07E-03	4.40E-03	3.53E-03	3.89E-03	4.27E-04	6.30E-04	3.72E-04	3.88E-04
1688	566957.46	4216844.16	4.27E-03	4.61E-03	3.71E-03	4.08E-03	4.48E-04	6.62E-04	3.90E-04	4.07E-04
1689	566951.75	4216852.04	4.45E-03	4.81E-03	3.86E-03	4.25E-03	4.67E-04	6.89E-04	4.07E-04	4.24E-04
1690	566946.03	4216859.93	4.60E-03	4.97E-03	3.99E-03	4.40E-03	4.83E-04	7.12E-04	4.20E-04	4.39E-04
1691	566940.32	4216867.81	4.73E-03	5.10E-03	4.10E-03	4.51E-03	4.96E-04	7.32E-04	4.32E-04	4.51E-04
1692	566934.61	4216875.7	4.82E-03	5.21E-03	4.18E-03	4.61E-03	5.06E-04	7.46E-04	4.40E-04	4.60E-04
1693	566928.9	4216883.58	4.89E-03	5.27E-03	4.24E-03	4.67E-03	5.13E-04	7.56E-04	4.46E-04	4.66E-04
1694	566923.18	4216891.47	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.61E-04	4.49E-04	4.69E-04
1695	566917.47	4216899.35	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.61E-04	4.49E-04	4.69E-04
1696	566911.76	4216907.24	4.88E-03	5.27E-03	4.24E-03	4.66E-03	5.12E-04	7.56E-04	4.46E-04	4.65E-04
1697	566906.05	4216915.12	4.81E-03	5.20E-03	4.18E-03	4.60E-03	5.05E-04	7.45E-04	4.40E-04	4.59E-04
1698	567007.28	4216761.75	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
1699	566995.06	4216775.21	2.28E-03	2.46E-03	1.98E-03	2.18E-03	2.39E-04	3.53E-04	2.08E-04	2.17E-04
1700	566989.34	4216783.1	2.47E-03	2.67E-03	2.15E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
1701	566983.63	4216790.98	2.67E-03	2.88E-03	2.32E-03	2.55E-03	2.80E-04	4.14E-04	2.44E-04	2.55E-04
1702	566977.92	4216798.87	2.87E-03	3.10E-03	2.49E-03	2.75E-03	3.01E-04	4.45E-04	2.63E-04	2.74E-04
1703	566972.21	4216806.75	3.08E-03	3.32E-03	2.67E-03	2.94E-03	3.23E-04	4.76E-04	2.81E-04	2.93E-04
1704	566966.5	4216814.64	3.28E-03	3.54E-03	2.85E-03	3.13E-03	3.44E-04	5.08E-04	3.00E-04	3.13E-04
1705	566960.78	4216822.52	3.48E-03	3.76E-03	3.02E-03	3.32E-03	3.65E-04	5.39E-04	3.18E-04	3.32E-04
1706	566955.07	4216830.41	3.67E-03	3.97E-03	3.19E-03	3.51E-03	3.85E-04	5.69E-04	3.36E-04	3.50E-04
1707	566949.36	4216838.29	3.85E-03	4.16E-03	3.34E-03	3.68E-03	4.04E-04	5.96E-04	3.52E-04	3.67E-04
1708	566943.65	4216846.18	4.02E-03	4.34E-03	3.49E-03	3.84E-03	4.21E-04	6.22E-04	3.67E-04	3.83E-04
1709	566937.93	4216854.06	4.15E-03	4.48E-03	3.60E-03	3.97E-03	4.36E-04	6.43E-04	3.79E-04	3.96E-04
1710	566932.22	4216861.95	4.27E-03	4.61E-03	3.70E-03	4.08E-03	4.48E-04	6.61E-04	3.90E-04	4.07E-04
1711	566926.51	4216869.83	4.36E-03	4.71E-03	3.78E-03	4.16E-03	4.57E-04	6.75E-04	3.98E-04	4.16E-04
1712	566920.8	4216877.72	4.43E-03	4.78E-03	3.84E-03	4.23E-03	4.64E-04	6.85E-04	4.04E-04	4.22E-04
1713	566915.09	4216885.6	4.46E-03	4.82E-03	3.87E-03	4.26E-03	4.68E-04	6.91E-04	4.08E-04	4.25E-04
1714	566909.37	4216893.49	4.47E-03	4.83E-03	3.88E-03	4.27E-03	4.69E-04	6.92E-04	4.09E-04	4.26E-04
1715	566903.66	4216901.37	4.45E-03	4.81E-03	3.86E-03	4.25E-03	4.67E-04	6.89E-04	4.07E-04	4.25E-04
1716	566897.95	4216909.26	4.41E-03	4.76E-03	3.82E-03	4.21E-03	4.62E-04	6.82E-04	4.03E-04	4.20E-04
1717	567044.39	4216722.79	1.34E-03	1.44E-03	1.16E-03	1.28E-03	1.40E-04	2.07E-04	1.22E-04	1.28E-04
1718	567053.48	4216720.6	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
1719	567062.57	4216718.42	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
1720	567071.67	4216716.23	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.94E-04	1.15E-04	1.20E-04
1721	567080.76	4216714.05	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1722	566986.96	4216769.34	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.21E-04	3.27E-04	1.93E-04	2.01E-04
1723	566981.25	4216777.23	2.28E-03	2.46E-03	1.98E-03	2.18E-03	2.39E-04	3.53E-04	2.08E-04	2.17E-04
1724	566975.53	4216785.11	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.80E-04	2.24E-04	2.34E-04

1725	566969.82	4216793	2.63E-03	2.84E-03	2.28E-03	2.52E-03	2.76E-04	4.08E-04	2.41E-04	2.51E-04
1726	566964.11	4216800.88	2.81E-03	3.04E-03	2.44E-03	2.69E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
1727	566958.4	4216808.77	2.99E-03	3.23E-03	2.59E-03	2.86E-03	3.14E-04	4.63E-04	2.73E-04	2.85E-04
1728	566952.69	4216816.65	3.16E-03	3.41E-03	2.74E-03	3.02E-03	3.32E-04	4.90E-04	2.89E-04	3.01E-04
1729	566946.97	4216824.54	3.33E-03	3.60E-03	2.89E-03	3.18E-03	3.50E-04	5.16E-04	3.05E-04	3.18E-04
1730	566941.26	4216832.42	3.49E-03	3.77E-03	3.03E-03	3.34E-03	3.66E-04	5.41E-04	3.19E-04	3.33E-04
1731	566935.55	4216840.31	3.64E-03	3.93E-03	3.16E-03	3.48E-03	3.82E-04	5.64E-04	3.33E-04	3.47E-04
1732	566929.84	4216848.19	3.77E-03	4.07E-03	3.27E-03	3.60E-03	3.95E-04	5.83E-04	3.44E-04	3.59E-04
1733	566924.12	4216856.08	3.87E-03	4.18E-03	3.36E-03	3.70E-03	4.06E-04	5.99E-04	3.54E-04	3.69E-04
1734	566918.41	4216863.96	3.96E-03	4.27E-03	3.43E-03	3.78E-03	4.15E-04	6.13E-04	3.62E-04	3.77E-04
1735	566912.7	4216871.85	4.03E-03	4.35E-03	3.49E-03	3.85E-03	4.22E-04	6.23E-04	3.68E-04	3.84E-04
1736	566906.99	4216879.73	4.07E-03	4.39E-03	3.53E-03	3.89E-03	4.27E-04	6.30E-04	3.72E-04	3.88E-04
1737	566901.28	4216887.62	4.09E-03	4.41E-03	3.55E-03	3.90E-03	4.29E-04	6.33E-04	3.73E-04	3.90E-04
1738	566895.56	4216895.5	4.08E-03	4.40E-03	3.54E-03	3.90E-03	4.28E-04	6.32E-04	3.73E-04	3.89E-04
1739	566889.85	4216903.39	4.05E-03	4.37E-03	3.51E-03	3.87E-03	4.25E-04	6.27E-04	3.70E-04	3.86E-04
1740	567004.36	4216738.65	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
1741	567017.56	4216727.36	1.40E-03	1.51E-03	1.21E-03	1.33E-03	1.46E-04	2.16E-04	1.28E-04	1.33E-04
1742	567039.19	4216714.04	1.24E-03	1.33E-03	1.07E-03	1.18E-03	1.30E-04	1.91E-04	1.13E-04	1.18E-04
1743	567056.08	4216709.98	1.19E-03	1.28E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.13E-04
1744	567072.96	4216705.92	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1745	566973.15	4216771.36	2.11E-03	2.28E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.93E-04	2.01E-04
1746	566967.44	4216779.25	2.27E-03	2.45E-03	1.97E-03	2.16E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
1747	566961.72	4216787.13	2.42E-03	2.62E-03	2.10E-03	2.32E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
1748	566956.01	4216795.02	2.58E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.46E-04
1749	566950.3	4216802.9	2.74E-03	2.96E-03	2.38E-03	2.62E-03	2.87E-04	4.24E-04	2.50E-04	2.61E-04
1750	566944.59	4216810.79	2.89E-03	3.12E-03	2.51E-03	2.76E-03	3.03E-04	4.48E-04	2.64E-04	2.76E-04
1751	566938.87	4216818.67	3.04E-03	3.28E-03	2.64E-03	2.91E-03	3.19E-04	4.71E-04	2.78E-04	2.90E-04
1752	566933.16	4216826.56	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
1753	566927.45	4216834.44	3.32E-03	3.58E-03	2.88E-03	3.17E-03	3.48E-04	5.13E-04	3.03E-04	3.16E-04
1754	566921.74	4216842.33	3.43E-03	3.70E-03	2.98E-03	3.28E-03	3.60E-04	5.31E-04	3.13E-04	3.27E-04
1755	566916.03	4216850.21	3.53E-03	3.81E-03	3.06E-03	3.37E-03	3.70E-04	5.46E-04	3.22E-04	3.36E-04
1756	566910.31	4216858.1	3.61E-03	3.90E-03	3.13E-03	3.45E-03	3.79E-04	5.59E-04	3.30E-04	3.44E-04
1757	566904.6	4216865.98	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.50E-04
1758	566898.89	4216873.87	3.72E-03	4.02E-03	3.23E-03	3.56E-03	3.91E-04	5.77E-04	3.40E-04	3.55E-04
1759	566893.18	4216881.75	3.75E-03	4.05E-03	3.25E-03	3.58E-03	3.93E-04	5.80E-04	3.42E-04	3.57E-04
1760	566887.46	4216889.64	3.75E-03	4.05E-03	3.25E-03	3.58E-03	3.93E-04	5.81E-04	3.43E-04	3.58E-04
1761	566881.75	4216897.52	3.73E-03	4.03E-03	3.24E-03	3.56E-03	3.91E-04	5.78E-04	3.41E-04	3.56E-04
1762	566983.58	4216743.65	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
1763	566990.68	4216737.57	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.46E-04
1764	566997.79	4216731.48	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
1765	567004.89	4216725.4	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
1766	567012	4216719.32	1.30E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.01E-04	1.18E-04	1.24E-04
1767	567035.3	4216704.98	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
1768	567044.39	4216702.79	1.12E-03	1.21E-03	9.72E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.07E-04
1769	567053.48	4216700.6	1.10E-03	1.19E-03	9.53E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
1770	567062.57	4216698.42	1.08E-03	1.16E-03	9.35E-04	1.03E-03	1.13E-04	1.67E-04	9.84E-05	1.03E-04
1771	567071.67	4216696.23	1.06E-03	1.14E-03	9.17E-04	1.01E-03	1.11E-04	1.64E-04	9.66E-05	1.01E-04
1772	567080.76	4216694.05	1.04E-03	1.12E-03	9.01E-04	9.92E-04	1.09E-04	1.61E-04	9.48E-05	9.90E-05
1773	566975.04	4216738.16	1.52E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
1774	566988.36	4216726.76	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.31E-04
1775	567001.68	4216715.36	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
1776	567015	4216703.96	1.13E-03	1.22E-03	9.84E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1777	567030.18	4216696.21	1.06E-03	1.15E-03	9.22E-04	1.01E-03	1.11E-04	1.64E-04	9.70E-05	1.01E-04
1778	567047.23	4216692.11	1.03E-03	1.11E-03	8.89E-04	9.79E-04	1.08E-04	1.59E-04	9.36E-05	9.77E-05

1779	567064.28	4216688.01	9.90E-04	1.07E-03	8.59E-04	9.45E-04	1.04E-04	1.53E-04	9.04E-05	9.43E-05
1780	566939.82	4216783.28	2.21E-03	2.38E-03	1.91E-03	2.11E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
1781	566934.1	4216791.17	2.33E-03	2.52E-03	2.02E-03	2.23E-03	2.45E-04	3.61E-04	2.13E-04	2.22E-04
1782	566928.39	4216799.05	2.45E-03	2.65E-03	2.13E-03	2.34E-03	2.57E-04	3.80E-04	2.24E-04	2.34E-04
1783	566922.68	4216806.94	2.57E-03	2.78E-03	2.23E-03	2.46E-03	2.70E-04	3.98E-04	2.35E-04	2.45E-04
1784	566916.97	4216814.82	2.68E-03	2.90E-03	2.33E-03	2.56E-03	2.82E-04	4.16E-04	2.45E-04	2.56E-04
1785	566911.25	4216822.71	2.79E-03	3.01E-03	2.42E-03	2.66E-03	2.93E-04	4.32E-04	2.55E-04	2.66E-04
1786	566905.54	4216830.59	2.88E-03	3.11E-03	2.50E-03	2.76E-03	3.03E-04	4.46E-04	2.63E-04	2.75E-04
1787	566899.83	4216838.48	2.97E-03	3.20E-03	2.58E-03	2.84E-03	3.11E-04	4.59E-04	2.71E-04	2.83E-04
1788	566894.12	4216846.36	3.04E-03	3.28E-03	2.64E-03	2.90E-03	3.19E-04	4.71E-04	2.78E-04	2.90E-04
1789	566888.41	4216854.25	3.10E-03	3.35E-03	2.69E-03	2.96E-03	3.26E-04	4.80E-04	2.83E-04	2.96E-04
1790	566882.69	4216862.13	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.31E-04	4.88E-04	2.88E-04	3.00E-04
1791	566876.98	4216870.02	3.18E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
1792	566871.27	4216877.9	3.20E-03	3.45E-03	2.78E-03	3.06E-03	3.36E-04	4.95E-04	2.92E-04	3.05E-04
1793	566967.38	4216731.91	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
1794	566974.49	4216725.83	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.25E-04	1.30E-04
1795	566981.59	4216719.75	1.30E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.01E-04	1.18E-04	1.23E-04
1796	566988.7	4216713.67	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1797	566995.8	4216707.59	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
1798	567002.9	4216701.51	1.11E-03	1.20E-03	9.65E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
1799	567010.01	4216695.43	1.06E-03	1.14E-03	9.18E-04	1.01E-03	1.11E-04	1.64E-04	9.67E-05	1.01E-04
1800	567026.21	4216687.16	9.88E-04	1.07E-03	8.57E-04	9.44E-04	1.04E-04	1.53E-04	9.02E-05	9.42E-05
1801	567035.3	4216684.98	9.70E-04	1.05E-03	8.41E-04	9.26E-04	1.02E-04	1.50E-04	8.86E-05	9.24E-05
1802	567044.39	4216682.79	9.52E-04	1.03E-03	8.26E-04	9.09E-04	9.99E-05	1.47E-04	8.70E-05	9.07E-05
1803	567053.48	4216680.6	9.35E-04	1.01E-03	8.12E-04	8.93E-04	9.81E-05	1.45E-04	8.54E-05	8.92E-05
1804	567062.57	4216678.42	9.19E-04	9.92E-04	7.97E-04	8.78E-04	9.64E-05	1.42E-04	8.39E-05	8.76E-05
1805	567071.67	4216676.23	9.03E-04	9.75E-04	7.83E-04	8.63E-04	9.47E-05	1.40E-04	8.25E-05	8.61E-05
1806	567080.76	4216674.05	8.89E-04	9.59E-04	7.71E-04	8.49E-04	9.32E-05	1.38E-04	8.12E-05	8.47E-05
1807	566960.28	4216737.99	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.33E-04	1.38E-04	1.44E-04
1808	566954.57	4216745.88	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
1809	566926	4216785.3	2.16E-03	2.34E-03	1.88E-03	2.07E-03	2.27E-04	3.35E-04	1.98E-04	2.06E-04
1810	566920.29	4216793.19	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.52E-04	2.08E-04	2.17E-04
1811	566914.58	4216801.07	2.38E-03	2.57E-03	2.07E-03	2.27E-03	2.50E-04	3.68E-04	2.17E-04	2.27E-04
1812	566908.87	4216808.96	2.48E-03	2.68E-03	2.15E-03	2.37E-03	2.60E-04	3.84E-04	2.27E-04	2.37E-04
1813	566903.16	4216816.84	2.58E-03	2.78E-03	2.24E-03	2.46E-03	2.70E-04	3.99E-04	2.35E-04	2.46E-04
1814	566897.44	4216824.73	2.66E-03	2.88E-03	2.31E-03	2.54E-03	2.79E-04	4.12E-04	2.43E-04	2.54E-04
1815	566891.73	4216832.61	2.74E-03	2.96E-03	2.38E-03	2.62E-03	2.88E-04	4.24E-04	2.50E-04	2.61E-04
1816	566886.02	4216840.5	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
1817	566880.31	4216848.38	2.87E-03	3.09E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
1818	566874.59	4216856.27	2.91E-03	3.15E-03	2.53E-03	2.78E-03	3.06E-04	4.51E-04	2.66E-04	2.78E-04
1819	566868.88	4216864.15	2.95E-03	3.18E-03	2.56E-03	2.81E-03	3.09E-04	4.56E-04	2.69E-04	2.81E-04
1820	566863.17	4216872.04	2.96E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.83E-04
1821	566958.89	4216726.38	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
1822	566965.6	4216720.64	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
1823	566979.02	4216709.16	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
1824	566992.44	4216697.67	1.08E-03	1.16E-03	9.35E-04	1.03E-03	1.13E-04	1.67E-04	9.85E-05	1.03E-04
1825	567005.86	4216686.18	9.84E-04	1.06E-03	8.54E-04	9.40E-04	1.03E-04	1.52E-04	8.99E-05	9.38E-05
1826	567038.33	4216674.25	8.93E-04	9.64E-04	7.74E-04	8.53E-04	9.36E-05	1.38E-04	8.15E-05	8.51E-05
1827	567055.5	4216670.12	8.64E-04	9.33E-04	7.50E-04	8.26E-04	9.07E-05	1.34E-04	7.90E-05	8.24E-05
1828	567072.68	4216665.99	8.38E-04	9.04E-04	7.27E-04	8.00E-04	8.79E-05	1.30E-04	7.65E-05	7.99E-05
1829	566946.47	4216740.01	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
1830	566912.19	4216787.32	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.01E-04
1831	566906.48	4216795.21	2.21E-03	2.39E-03	1.92E-03	2.11E-03	2.32E-04	3.42E-04	2.02E-04	2.11E-04
1832	566900.77	4216803.09	2.30E-03	2.49E-03	2.00E-03	2.20E-03	2.41E-04	3.56E-04	2.10E-04	2.19E-04

1833	566895.06	4216810.98	2.39E-03	2.58E-03	2.07E-03	2.28E-03	2.51E-04	3.70E-04	2.18E-04	2.28E-04
1834	566889.35	4216818.86	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.26E-04	2.35E-04
1835	566883.63	4216826.75	2.54E-03	2.74E-03	2.21E-03	2.43E-03	2.67E-04	3.93E-04	2.32E-04	2.42E-04
1836	566877.92	4216834.63	2.60E-03	2.81E-03	2.26E-03	2.49E-03	2.73E-04	4.03E-04	2.38E-04	2.48E-04
1837	566872.21	4216842.52	2.66E-03	2.87E-03	2.31E-03	2.54E-03	2.79E-04	4.11E-04	2.43E-04	2.53E-04
1838	566866.5	4216850.4	2.70E-03	2.92E-03	2.34E-03	2.58E-03	2.83E-04	4.18E-04	2.47E-04	2.58E-04
1839	566860.78	4216858.29	2.74E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.61E-04
1840	566855.07	4216866.17	2.75E-03	2.97E-03	2.39E-03	2.63E-03	2.89E-04	4.26E-04	2.52E-04	2.63E-04
1841	566951.19	4216720.18	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.23E-04
1842	566958.29	4216714.1	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1843	566965.39	4216708.02	1.17E-03	1.26E-03	1.02E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.12E-04
1844	566972.5	4216701.94	1.12E-03	1.20E-03	9.68E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
1845	566979.6	4216695.86	1.06E-03	1.15E-03	9.23E-04	1.02E-03	1.12E-04	1.65E-04	9.72E-05	1.01E-04
1846	566986.71	4216689.78	1.01E-03	1.10E-03	8.80E-04	9.69E-04	1.06E-04	1.57E-04	9.27E-05	9.67E-05
1847	566993.81	4216683.7	9.68E-04	1.04E-03	8.39E-04	9.24E-04	1.01E-04	1.50E-04	8.84E-05	9.22E-05
1848	567000.92	4216677.62	9.23E-04	9.97E-04	8.01E-04	8.82E-04	9.69E-05	1.43E-04	8.43E-05	8.80E-05
1849	567026.21	4216667.16	8.49E-04	9.16E-04	7.36E-04	8.11E-04	8.90E-05	1.31E-04	7.75E-05	8.09E-05
1850	567035.3	4216664.98	8.34E-04	9.01E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05
1851	567044.39	4216662.79	8.21E-04	8.86E-04	7.12E-04	7.84E-04	8.61E-05	1.27E-04	7.50E-05	7.82E-05
1852	567053.48	4216660.6	8.08E-04	8.72E-04	7.01E-04	7.71E-04	8.47E-05	1.25E-04	7.38E-05	7.70E-05
1853	567062.57	4216658.42	7.95E-04	8.58E-04	6.90E-04	7.59E-04	8.34E-05	1.23E-04	7.26E-05	7.58E-05
1854	567071.67	4216656.23	7.83E-04	8.45E-04	6.79E-04	7.48E-04	8.21E-05	1.21E-04	7.15E-05	7.46E-05
1855	567080.76	4216654.05	7.72E-04	8.34E-04	6.70E-04	7.38E-04	8.10E-05	1.20E-04	7.05E-05	7.36E-05
1856	566944.08	4216726.26	1.35E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1857	566926.94	4216749.91	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
1858	566921.23	4216757.8	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.62E-04	1.55E-04	1.61E-04
1859	566892.67	4216797.22	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.04E-04
1860	566886.96	4216805.11	2.22E-03	2.40E-03	1.93E-03	2.12E-03	2.33E-04	3.44E-04	2.03E-04	2.12E-04
1861	566881.25	4216812.99	2.30E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.10E-04	2.19E-04
1862	566875.53	4216820.88	2.36E-03	2.55E-03	2.05E-03	2.26E-03	2.48E-04	3.66E-04	2.16E-04	2.25E-04
1863	566869.82	4216828.76	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
1864	566864.11	4216836.65	2.47E-03	2.67E-03	2.15E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
1865	566858.4	4216844.53	2.51E-03	2.71E-03	2.18E-03	2.40E-03	2.64E-04	3.89E-04	2.30E-04	2.40E-04
1866	566852.69	4216852.42	2.55E-03	2.75E-03	2.21E-03	2.43E-03	2.67E-04	3.94E-04	2.33E-04	2.43E-04
1867	566846.97	4216860.3	2.57E-03	2.77E-03	2.23E-03	2.45E-03	2.69E-04	3.97E-04	2.35E-04	2.45E-04
1868	566942.73	4216714.62	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.12E-04	1.17E-04
1869	566956.23	4216703.06	1.12E-03	1.21E-03	9.75E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
1870	566969.73	4216691.51	1.03E-03	1.11E-03	8.93E-04	9.83E-04	1.08E-04	1.59E-04	9.40E-05	9.81E-05
1871	566976.48	4216685.73	9.85E-04	1.06E-03	8.55E-04	9.41E-04	1.03E-04	1.52E-04	9.00E-05	9.39E-05
1872	566989.98	4216674.18	9.03E-04	9.75E-04	7.83E-04	8.62E-04	9.47E-05	1.40E-04	8.25E-05	8.61E-05
1873	567029.39	4216656.4	7.86E-04	8.48E-04	6.82E-04	7.51E-04	8.24E-05	1.22E-04	7.18E-05	7.49E-05
1874	567046.66	4216652.24	7.62E-04	8.23E-04	6.62E-04	7.28E-04	8.00E-05	1.18E-04	6.96E-05	7.27E-05
1875	567063.94	4216648.09	7.41E-04	8.00E-04	6.43E-04	7.08E-04	7.78E-05	1.15E-04	6.77E-05	7.07E-05
1876	566924.56	4216736.16	1.43E-03	1.54E-03	1.24E-03	1.37E-03	1.50E-04	2.21E-04	1.31E-04	1.36E-04
1877	566918.85	4216744.05	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.34E-04	1.38E-04	1.44E-04
1878	566913.13	4216751.93	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.47E-04	1.46E-04	1.52E-04
1879	566907.42	4216759.82	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
1880	566901.71	4216767.7	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1881	566878.86	4216799.24	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.98E-04
1882	566873.15	4216807.13	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.31E-04	1.96E-04	2.04E-04
1883	566867.44	4216815.01	2.20E-03	2.38E-03	1.91E-03	2.10E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
1884	566861.72	4216822.9	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.06E-04	2.15E-04
1885	566856.01	4216830.78	2.31E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.57E-04	2.11E-04	2.20E-04
1886	566850.3	4216838.67	2.35E-03	2.53E-03	2.04E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.24E-04

1887	566844.59	4216846.55	2.38E-03	2.57E-03	2.06E-03	2.27E-03	2.49E-04	3.68E-04	2.17E-04	2.27E-04
1888	566838.88	4216854.44	2.40E-03	2.59E-03	2.08E-03	2.29E-03	2.52E-04	3.72E-04	2.19E-04	2.29E-04
1889	566942.09	4216702.36	1.11E-03	1.20E-03	9.66E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
1890	566949.2	4216696.28	1.07E-03	1.15E-03	9.24E-04	1.02E-03	1.12E-04	1.65E-04	9.73E-05	1.02E-04
1891	566956.3	4216690.2	1.02E-03	1.10E-03	8.84E-04	9.73E-04	1.07E-04	1.58E-04	9.31E-05	9.71E-05
1892	566963.41	4216684.12	9.74E-04	1.05E-03	8.45E-04	9.30E-04	1.02E-04	1.51E-04	8.90E-05	9.28E-05
1893	566970.51	4216678.04	9.32E-04	1.01E-03	8.08E-04	8.90E-04	9.77E-05	1.44E-04	8.51E-05	8.88E-05
1894	566977.62	4216671.96	8.91E-04	9.62E-04	7.73E-04	8.51E-04	9.35E-05	1.38E-04	8.14E-05	8.50E-05
1895	566984.72	4216665.88	8.53E-04	9.20E-04	7.40E-04	8.14E-04	8.94E-05	1.32E-04	7.79E-05	8.13E-05
1896	566991.82	4216659.8	8.15E-04	8.80E-04	7.07E-04	7.78E-04	8.55E-05	1.26E-04	7.44E-05	7.77E-05
1897	567017.11	4216649.35	7.52E-04	8.11E-04	6.52E-04	7.18E-04	7.88E-05	1.16E-04	6.87E-05	7.16E-05
1898	567026.21	4216647.16	7.39E-04	7.97E-04	6.41E-04	7.05E-04	7.75E-05	1.14E-04	6.75E-05	7.04E-05
1899	567035.3	4216644.98	7.27E-04	7.85E-04	6.31E-04	6.94E-04	7.63E-05	1.13E-04	6.64E-05	6.93E-05
1900	567044.39	4216642.79	7.16E-04	7.73E-04	6.21E-04	6.84E-04	7.51E-05	1.11E-04	6.54E-05	6.83E-05
1901	567053.48	4216640.6	7.06E-04	7.62E-04	6.12E-04	6.74E-04	7.40E-05	1.09E-04	6.45E-05	6.73E-05
1902	567062.57	4216638.42	6.96E-04	7.52E-04	6.04E-04	6.65E-04	7.30E-05	1.08E-04	6.36E-05	6.64E-05
1903	567071.67	4216636.23	6.88E-04	7.42E-04	5.97E-04	6.57E-04	7.21E-05	1.06E-04	6.28E-05	6.55E-05
1904	567080.76	4216634.05	6.80E-04	7.34E-04	5.90E-04	6.49E-04	7.13E-05	1.05E-04	6.21E-05	6.48E-05
1905	566922.17	4216722.41	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
1906	566916.46	4216730.3	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.24E-04	1.29E-04
1907	566910.75	4216738.18	1.43E-03	1.54E-03	1.24E-03	1.36E-03	1.50E-04	2.21E-04	1.30E-04	1.36E-04
1908	566905.04	4216746.07	1.50E-03	1.62E-03	1.30E-03	1.44E-03	1.58E-04	2.33E-04	1.37E-04	1.43E-04
1909	566899.32	4216753.95	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.66E-04	2.44E-04	1.44E-04	1.50E-04
1910	566893.61	4216761.84	1.65E-03	1.79E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.58E-04
1911	566887.9	4216769.72	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
1912	566865.05	4216801.26	2.00E-03	2.16E-03	1.74E-03	1.91E-03	2.10E-04	3.10E-04	1.83E-04	1.91E-04
1913	566859.34	4216809.15	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04
1914	566853.63	4216817.03	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.01E-04
1915	566847.91	4216824.92	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.34E-04	1.97E-04	2.06E-04
1916	566842.2	4216832.8	2.20E-03	2.37E-03	1.91E-03	2.10E-03	2.30E-04	3.40E-04	2.01E-04	2.09E-04
1917	566836.49	4216840.69	2.23E-03	2.40E-03	1.93E-03	2.13E-03	2.34E-04	3.45E-04	2.03E-04	2.12E-04
1918	566830.78	4216848.57	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.48E-04	2.05E-04	2.14E-04
1919	566940.13	4216691.25	1.02E-03	1.11E-03	8.89E-04	9.79E-04	1.07E-04	1.59E-04	9.36E-05	9.77E-05
1920	566953.69	4216679.64	9.44E-04	1.02E-03	8.19E-04	9.02E-04	9.90E-05	1.46E-04	8.62E-05	9.00E-05
1921	566967.26	4216668.03	8.69E-04	9.38E-04	7.54E-04	8.30E-04	9.11E-05	1.34E-04	7.93E-05	8.28E-05
1922	566974.04	4216662.23	8.33E-04	8.99E-04	7.23E-04	7.96E-04	8.74E-05	1.29E-04	7.61E-05	7.94E-05
1923	566987.6	4216650.62	7.66E-04	8.27E-04	6.65E-04	7.32E-04	8.04E-05	1.19E-04	7.00E-05	7.31E-05
1924	567020.42	4216638.55	6.99E-04	7.55E-04	6.07E-04	6.68E-04	7.33E-05	1.08E-04	6.39E-05	6.66E-05
1925	567037.78	4216634.38	6.79E-04	7.33E-04	5.89E-04	6.48E-04	7.12E-05	1.05E-04	6.20E-05	6.47E-05
1926	567055.13	4216630.21	6.62E-04	7.14E-04	5.74E-04	6.32E-04	6.94E-05	1.02E-04	6.04E-05	6.31E-05
1927	567072.49	4216626.03	6.46E-04	6.97E-04	5.60E-04	6.17E-04	6.78E-05	1.00E-04	5.90E-05	6.16E-05
1928	566914.07	4216716.54	1.22E-03	1.31E-03	1.05E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
1929	566908.36	4216724.43	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.35E-04	1.98E-04	1.17E-04	1.22E-04
1930	566902.65	4216732.31	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.23E-04	1.29E-04
1931	566896.94	4216740.2	1.42E-03	1.53E-03	1.23E-03	1.35E-03	1.49E-04	2.20E-04	1.30E-04	1.35E-04
1932	566891.23	4216748.08	1.49E-03	1.61E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
1933	566885.51	4216755.97	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
1934	566879.8	4216763.85	1.62E-03	1.75E-03	1.41E-03	1.55E-03	1.70E-04	2.51E-04	1.48E-04	1.55E-04
1935	566874.09	4216771.74	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.77E-04	2.62E-04	1.55E-04	1.61E-04
1936	566845.53	4216811.16	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
1937	566839.82	4216819.05	2.02E-03	2.18E-03	1.76E-03	1.93E-03	2.12E-04	3.13E-04	1.85E-04	1.93E-04
1938	566834.1	4216826.93	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04
1939	566828.39	4216834.82	2.09E-03	2.26E-03	1.81E-03	2.00E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
1940	566822.68	4216842.7	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.01E-04

1941	566933	4216684.55	9.76E-04	1.05E-03	8.46E-04	9.32E-04	1.02E-04	1.51E-04	8.91E-05	9.30E-05
1942	566940.11	4216678.47	9.36E-04	1.01E-03	8.12E-04	8.94E-04	9.82E-05	1.45E-04	8.55E-05	8.92E-05
1943	566947.21	4216672.39	8.98E-04	9.69E-04	7.79E-04	8.58E-04	9.42E-05	1.39E-04	8.20E-05	8.56E-05
1944	566954.32	4216666.31	8.61E-04	9.29E-04	7.47E-04	8.22E-04	9.03E-05	1.33E-04	7.86E-05	8.20E-05
1945	566961.42	4216660.23	8.24E-04	8.89E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.85E-05
1946	566968.52	4216654.15	7.89E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.52E-05
1947	566975.63	4216648.07	7.57E-04	8.17E-04	6.56E-04	7.23E-04	7.94E-05	1.17E-04	6.91E-05	7.21E-05
1948	566911.69	4216702.79	1.10E-03	1.18E-03	9.52E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
1949	566905.98	4216710.68	1.16E-03	1.25E-03	1.00E-03	1.10E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
1950	566900.26	4216718.56	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
1951	566894.55	4216726.45	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
1952	566888.84	4216734.33	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1953	566883.13	4216742.22	1.40E-03	1.52E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
1954	566877.42	4216750.1	1.47E-03	1.58E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
1955	566871.7	4216757.99	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
1956	566865.99	4216765.87	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
1957	566860.28	4216773.76	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
1958	566831.72	4216813.18	1.90E-03	2.05E-03	1.65E-03	1.82E-03	1.99E-04	2.94E-04	1.74E-04	1.81E-04
1959	566826.01	4216821.07	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
1960	566820.29	4216828.95	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.04E-04	1.80E-04	1.87E-04
1961	566814.58	4216836.84	1.99E-03	2.15E-03	1.72E-03	1.90E-03	2.09E-04	3.08E-04	1.82E-04	1.89E-04
1962	566910.4	4216691.1	1.01E-03	1.09E-03	8.76E-04	9.64E-04	1.06E-04	1.56E-04	9.22E-05	9.62E-05
1963	566930.82	4216673.62	9.04E-04	9.76E-04	7.85E-04	8.64E-04	9.49E-05	1.40E-04	8.26E-05	8.62E-05
1964	566944.44	4216661.96	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.29E-04	7.64E-05	7.97E-05
1965	566951.25	4216656.14	8.04E-04	8.68E-04	6.97E-04	7.68E-04	8.43E-05	1.24E-04	7.34E-05	7.66E-05
1966	567011.43	4216620.72	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.59E-05	9.72E-05	5.74E-05	5.99E-05
1967	566903.59	4216696.93	1.05E-03	1.13E-03	9.07E-04	9.99E-04	1.10E-04	1.62E-04	9.55E-05	9.97E-05
1968	566897.88	4216704.81	1.10E-03	1.19E-03	9.55E-04	1.05E-03	1.15E-04	1.70E-04	1.01E-04	1.05E-04
1969	566892.17	4216712.7	1.16E-03	1.25E-03	1.00E-03	1.10E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
1970	566886.45	4216720.58	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
1971	566880.74	4216728.47	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.97E-04	1.16E-04	1.21E-04
1972	566875.03	4216736.35	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.06E-04	1.21E-04	1.27E-04
1973	566869.32	4216744.24	1.39E-03	1.50E-03	1.20E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
1974	566863.6	4216752.12	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
1975	566857.89	4216760.01	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.58E-04	2.32E-04	1.37E-04	1.43E-04
1976	566840.76	4216783.66	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
1977	566817.91	4216815.2	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.67E-04	1.74E-04
1978	566812.19	4216823.09	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.87E-04	1.69E-04	1.76E-04
1979	566806.48	4216830.97	1.87E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
1980	566902.6	4216684.98	9.64E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
1981	566909.7	4216678.9	9.30E-04	1.00E-03	8.07E-04	8.88E-04	9.75E-05	1.44E-04	8.49E-05	8.86E-05
1982	566931.01	4216660.66	8.30E-04	8.96E-04	7.20E-04	7.93E-04	8.70E-05	1.28E-04	7.58E-05	7.91E-05
1983	566959.43	4216636.33	7.05E-04	7.61E-04	6.12E-04	6.74E-04	7.40E-05	1.09E-04	6.44E-05	6.72E-05
1984	566966.54	4216630.25	6.77E-04	7.31E-04	5.87E-04	6.47E-04	7.10E-05	1.05E-04	6.18E-05	6.45E-05
1985	566973.64	4216624.17	6.50E-04	7.02E-04	5.64E-04	6.21E-04	6.82E-05	1.01E-04	5.94E-05	6.20E-05
1986	566989.84	4216615.91	6.15E-04	6.64E-04	5.33E-04	5.87E-04	6.45E-05	9.52E-05	5.62E-05	5.86E-05
1987	567008.02	4216611.54	5.96E-04	6.43E-04	5.17E-04	5.69E-04	6.25E-05	9.22E-05	5.44E-05	5.68E-05
1988	567017.11	4216609.35	5.87E-04	6.34E-04	5.09E-04	5.61E-04	6.16E-05	9.09E-05	5.36E-05	5.60E-05
1989	567026.21	4216607.16	5.79E-04	6.25E-04	5.02E-04	5.53E-04	6.07E-05	8.96E-05	5.29E-05	5.52E-05
1990	567035.3	4216604.98	5.72E-04	6.17E-04	4.96E-04	5.46E-04	6.00E-05	8.85E-05	5.22E-05	5.45E-05
1991	567044.39	4216602.79	5.64E-04	6.09E-04	4.90E-04	5.39E-04	5.92E-05	8.74E-05	5.16E-05	5.38E-05
1992	567053.48	4216600.6	5.58E-04	6.02E-04	4.84E-04	5.33E-04	5.85E-05	8.63E-05	5.09E-05	5.32E-05
1993	567062.57	4216598.42	5.51E-04	5.95E-04	4.78E-04	5.26E-04	5.78E-05	8.53E-05	5.03E-05	5.25E-05
1994	567071.67	4216596.23	5.45E-04	5.88E-04	4.73E-04	5.21E-04	5.72E-05	8.44E-05	4.98E-05	5.20E-05

1995	567080.76	4216594.05	5.40E-04	5.83E-04	4.68E-04	5.15E-04	5.66E-05	8.35E-05	4.93E-05	5.14E-05
1996	566895.49	4216691.06	1.00E-03	1.08E-03	8.67E-04	9.55E-04	1.05E-04	1.55E-04	9.13E-05	9.53E-05
1997	566889.78	4216698.94	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.62E-04	9.59E-05	1.00E-04
1998	566884.07	4216706.83	1.10E-03	1.19E-03	9.55E-04	1.05E-03	1.15E-04	1.70E-04	1.01E-04	1.05E-04
1999	566878.36	4216714.71	1.15E-03	1.25E-03	1.00E-03	1.10E-03	1.21E-04	1.79E-04	1.05E-04	1.10E-04
2000	566872.64	4216722.6	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
2001	566866.93	4216730.48	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
2002	566861.22	4216738.37	1.31E-03	1.42E-03	1.14E-03	1.25E-03	1.38E-04	2.03E-04	1.20E-04	1.25E-04
2003	566855.51	4216746.25	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
2004	566838.37	4216769.91	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
2005	566832.66	4216777.79	1.57E-03	1.69E-03	1.36E-03	1.50E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2006	566826.95	4216785.68	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
2007	566798.38	4216825.1	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
2008	566894.22	4216679.35	9.25E-04	9.99E-04	8.03E-04	8.84E-04	9.70E-05	1.43E-04	8.45E-05	8.82E-05
2009	566901.06	4216673.5	8.94E-04	9.65E-04	7.76E-04	8.54E-04	9.38E-05	1.38E-04	8.17E-05	8.52E-05
2010	566907.89	4216667.65	8.63E-04	9.32E-04	7.49E-04	8.25E-04	9.06E-05	1.34E-04	7.89E-05	8.23E-05
2011	566942.04	4216638.42	7.19E-04	7.76E-04	6.24E-04	6.86E-04	7.54E-05	1.11E-04	6.56E-05	6.85E-05
2012	566948.87	4216632.57	6.92E-04	7.47E-04	6.00E-04	6.61E-04	7.25E-05	1.07E-04	6.32E-05	6.59E-05
2013	566955.71	4216626.73	6.66E-04	7.18E-04	5.77E-04	6.36E-04	6.98E-05	1.03E-04	6.08E-05	6.34E-05
2014	566969.37	4216615.03	6.17E-04	6.66E-04	5.35E-04	5.89E-04	6.47E-05	9.55E-05	5.63E-05	5.88E-05
2015	566984.94	4216607.08	5.85E-04	6.31E-04	5.07E-04	5.59E-04	6.14E-05	9.05E-05	5.34E-05	5.58E-05
2016	567002.43	4216602.88	5.68E-04	6.13E-04	4.93E-04	5.42E-04	5.95E-05	8.79E-05	5.19E-05	5.41E-05
2017	567019.91	4216598.68	5.53E-04	5.97E-04	4.80E-04	5.28E-04	5.80E-05	8.56E-05	5.05E-05	5.27E-05
2018	567037.4	4216594.47	5.39E-04	5.82E-04	4.68E-04	5.15E-04	5.66E-05	8.35E-05	4.93E-05	5.14E-05
2019	567054.88	4216590.27	5.27E-04	5.69E-04	4.57E-04	5.04E-04	5.53E-05	8.16E-05	4.82E-05	5.02E-05
2020	567063.62	4216588.17	5.22E-04	5.63E-04	4.53E-04	4.98E-04	5.47E-05	8.08E-05	4.77E-05	4.97E-05
2021	566881.68	4216693.08	1.00E-03	1.08E-03	8.70E-04	9.58E-04	1.05E-04	1.55E-04	9.16E-05	9.56E-05
2022	566875.97	4216700.96	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.63E-04	9.59E-05	1.00E-04
2023	566870.26	4216708.85	1.10E-03	1.19E-03	9.53E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
2024	566864.54	4216716.73	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
2025	566858.83	4216724.62	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
2026	566853.12	4216732.5	1.25E-03	1.34E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
2027	566847.41	4216740.39	1.30E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2028	566835.98	4216756.16	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.33E-04
2029	566830.27	4216764.04	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
2030	566824.56	4216771.93	1.48E-03	1.60E-03	1.29E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
2031	566818.85	4216779.81	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
2032	566813.13	4216787.7	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2033	566886.4	4216673.25	8.86E-04	9.57E-04	7.69E-04	8.47E-04	9.30E-05	1.37E-04	8.10E-05	8.45E-05
2034	566921.92	4216642.84	7.40E-04	7.99E-04	6.42E-04	7.07E-04	7.76E-05	1.15E-04	6.76E-05	7.05E-05
2035	566929.03	4216636.76	7.13E-04	7.70E-04	6.19E-04	6.81E-04	7.48E-05	1.10E-04	6.51E-05	6.80E-05
2036	566936.13	4216630.68	6.86E-04	7.41E-04	5.96E-04	6.56E-04	7.20E-05	1.06E-04	6.27E-05	6.54E-05
2037	566943.24	4216624.6	6.60E-04	7.13E-04	5.73E-04	6.31E-04	6.93E-05	1.02E-04	6.03E-05	6.29E-05
2038	566950.34	4216618.52	6.35E-04	6.85E-04	5.51E-04	6.07E-04	6.66E-05	9.83E-05	5.80E-05	6.05E-05
2039	566957.44	4216612.44	6.11E-04	6.59E-04	5.30E-04	5.83E-04	6.41E-05	9.45E-05	5.58E-05	5.82E-05
2040	566964.55	4216606.36	5.87E-04	6.34E-04	5.10E-04	5.61E-04	6.16E-05	9.09E-05	5.37E-05	5.60E-05
2041	566980.75	4216598.09	5.57E-04	6.01E-04	4.83E-04	5.32E-04	5.84E-05	8.62E-05	5.09E-05	5.31E-05
2042	567008.02	4216591.54	5.33E-04	5.75E-04	4.62E-04	5.09E-04	5.59E-05	8.24E-05	4.87E-05	5.08E-05
2043	567017.11	4216589.35	5.26E-04	5.68E-04	4.56E-04	5.02E-04	5.52E-05	8.14E-05	4.80E-05	5.01E-05
2044	567026.21	4216587.16	5.19E-04	5.61E-04	4.51E-04	4.96E-04	5.45E-05	8.04E-05	4.74E-05	4.95E-05
2045	567035.3	4216584.98	5.13E-04	5.54E-04	4.45E-04	4.90E-04	5.38E-05	7.94E-05	4.68E-05	4.89E-05
2046	567044.39	4216582.79	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.31E-05	7.84E-05	4.63E-05	4.83E-05
2047	567053.48	4216580.6	5.01E-04	5.41E-04	4.35E-04	4.78E-04	5.25E-05	7.75E-05	4.58E-05	4.77E-05
2048	567062.57	4216578.42	4.96E-04	5.35E-04	4.30E-04	4.74E-04	5.20E-05	7.68E-05	4.53E-05	4.73E-05

2049	567071.67	4216576.23	4.91E-04	5.30E-04	4.26E-04	4.69E-04	5.15E-05	7.60E-05	4.49E-05	4.68E-05
2050	567080.76	4216574.05	4.87E-04	5.26E-04	4.23E-04	4.65E-04	5.11E-05	7.54E-05	4.45E-05	4.64E-05
2051	566879.3	4216679.33	9.17E-04	9.90E-04	7.96E-04	8.76E-04	9.62E-05	1.42E-04	8.38E-05	8.74E-05
2052	566873.58	4216687.21	9.59E-04	1.04E-03	8.32E-04	9.16E-04	1.01E-04	1.49E-04	8.76E-05	9.14E-05
2053	566867.87	4216695.1	1.00E-03	1.08E-03	8.70E-04	9.58E-04	1.05E-04	1.55E-04	9.16E-05	9.56E-05
2054	566862.16	4216702.98	1.05E-03	1.13E-03	9.08E-04	1.00E-03	1.10E-04	1.62E-04	9.56E-05	9.98E-05
2055	566856.45	4216710.87	1.09E-03	1.18E-03	9.48E-04	1.04E-03	1.15E-04	1.69E-04	9.98E-05	1.04E-04
2056	566850.73	4216718.75	1.14E-03	1.23E-03	9.87E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
2057	566845.02	4216726.64	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
2058	566827.89	4216750.29	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.26E-04
2059	566822.17	4216758.18	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
2060	566816.46	4216766.06	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2061	566810.75	4216773.95	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.32E-04	1.37E-04
2062	566805.04	4216781.83	1.48E-03	1.59E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
2063	566799.32	4216789.72	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.34E-04	1.38E-04	1.44E-04
2064	566793.61	4216797.6	1.54E-03	1.66E-03	1.34E-03	1.47E-03	1.62E-04	2.38E-04	1.41E-04	1.47E-04
2065	566900.71	4216648.2	7.63E-04	8.23E-04	6.62E-04	7.28E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
2066	566922.84	4216629.26	6.82E-04	7.36E-04	5.91E-04	6.51E-04	7.15E-05	1.06E-04	6.23E-05	6.50E-05
2067	566930.22	4216622.94	6.56E-04	7.08E-04	5.69E-04	6.27E-04	6.88E-05	1.02E-04	5.99E-05	6.25E-05
2068	566937.6	4216616.63	6.31E-04	6.81E-04	5.48E-04	6.03E-04	6.62E-05	9.77E-05	5.77E-05	6.02E-05
2069	566944.97	4216610.32	6.07E-04	6.55E-04	5.26E-04	5.80E-04	6.36E-05	9.39E-05	5.54E-05	5.78E-05
2070	566952.35	4216604	5.83E-04	6.30E-04	5.06E-04	5.57E-04	6.12E-05	9.03E-05	5.33E-05	5.56E-05
2071	566959.73	4216597.69	5.61E-04	6.05E-04	4.86E-04	5.36E-04	5.88E-05	8.68E-05	5.12E-05	5.34E-05
2072	566976.55	4216589.1	5.31E-04	5.73E-04	4.60E-04	5.07E-04	5.57E-05	8.21E-05	4.85E-05	5.06E-05
2073	567004.87	4216582.29	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.32E-05	7.85E-05	4.63E-05	4.83E-05
2074	567014.32	4216580.02	5.01E-04	5.41E-04	4.35E-04	4.78E-04	5.25E-05	7.75E-05	4.58E-05	4.77E-05
2075	567023.76	4216577.75	4.95E-04	5.34E-04	4.29E-04	4.73E-04	5.19E-05	7.66E-05	4.52E-05	4.72E-05
2076	567033.2	4216575.48	4.89E-04	5.27E-04	4.24E-04	4.67E-04	5.12E-05	7.56E-05	4.46E-05	4.66E-05
2077	567042.64	4216573.21	4.82E-04	5.21E-04	4.19E-04	4.61E-04	5.06E-05	7.47E-05	4.41E-05	4.60E-05
2078	567052.08	4216570.94	4.77E-04	5.15E-04	4.14E-04	4.56E-04	5.00E-05	7.38E-05	4.36E-05	4.55E-05
2079	567061.52	4216568.67	4.72E-04	5.10E-04	4.10E-04	4.51E-04	4.95E-05	7.31E-05	4.31E-05	4.50E-05
2080	567070.97	4216566.4	4.68E-04	5.05E-04	4.06E-04	4.47E-04	4.91E-05	7.24E-05	4.27E-05	4.46E-05
2081	567080.41	4216564.13	4.64E-04	5.00E-04	4.02E-04	4.43E-04	4.86E-05	7.17E-05	4.23E-05	4.42E-05
2082	566865.48	4216681.34	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
2083	566859.77	4216689.23	9.59E-04	1.03E-03	8.32E-04	9.16E-04	1.01E-04	1.48E-04	8.76E-05	9.14E-05
2084	566854.06	4216697.11	1.00E-03	1.08E-03	8.67E-04	9.55E-04	1.05E-04	1.55E-04	9.13E-05	9.53E-05
2085	566848.35	4216705	1.04E-03	1.12E-03	9.04E-04	9.95E-04	1.09E-04	1.61E-04	9.51E-05	9.93E-05
2086	566842.64	4216712.88	1.08E-03	1.17E-03	9.40E-04	1.04E-03	1.14E-04	1.68E-04	9.90E-05	1.03E-04
2087	566825.5	4216736.54	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.87E-04	1.11E-04	1.15E-04
2088	566819.79	4216744.42	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
2089	566814.07	4216752.31	1.29E-03	1.40E-03	1.12E-03	1.23E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2090	566808.36	4216760.19	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
2091	566802.65	4216768.08	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
2092	566796.94	4216775.96	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2093	566791.23	4216783.85	1.43E-03	1.55E-03	1.24E-03	1.37E-03	1.50E-04	2.22E-04	1.31E-04	1.37E-04
2094	566785.51	4216791.73	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
2095	566779.8	4216799.62	1.49E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
2096	566877.31	4216655.43	7.91E-04	8.54E-04	6.86E-04	7.56E-04	8.30E-05	1.22E-04	7.23E-05	7.54E-05
2097	566884.41	4216649.35	7.65E-04	8.26E-04	6.64E-04	7.31E-04	8.02E-05	1.18E-04	6.99E-05	7.29E-05
2098	566891.52	4216643.27	7.39E-04	7.98E-04	6.41E-04	7.06E-04	7.75E-05	1.14E-04	6.75E-05	7.04E-05
2099	566898.62	4216637.19	7.14E-04	7.70E-04	6.19E-04	6.82E-04	7.49E-05	1.10E-04	6.52E-05	6.80E-05
2100	566919.93	4216618.95	6.42E-04	6.93E-04	5.57E-04	6.13E-04	6.73E-05	9.94E-05	5.86E-05	6.12E-05
2101	566927.04	4216612.87	6.19E-04	6.69E-04	5.37E-04	5.92E-04	6.50E-05	9.59E-05	5.66E-05	5.90E-05
2102	566934.14	4216606.79	5.97E-04	6.45E-04	5.18E-04	5.71E-04	6.27E-05	9.25E-05	5.46E-05	5.69E-05

2103	566941.25	4216600.71	5.75E-04	6.21E-04	4.99E-04	5.50E-04	6.03E-05	8.90E-05	5.25E-05	5.48E-05
2104	566948.35	4216594.63	5.54E-04	5.98E-04	4.81E-04	5.29E-04	5.81E-05	8.58E-05	5.06E-05	5.28E-05
2105	566955.46	4216588.55	5.34E-04	5.77E-04	4.63E-04	5.10E-04	5.60E-05	8.27E-05	4.88E-05	5.09E-05
2106	566971.65	4216580.28	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.32E-05	7.85E-05	4.63E-05	4.83E-05
2107	566998.93	4216573.72	4.85E-04	5.24E-04	4.21E-04	4.64E-04	5.09E-05	7.51E-05	4.43E-05	4.63E-05
2108	567008.02	4216571.54	4.80E-04	5.18E-04	4.16E-04	4.58E-04	5.03E-05	7.42E-05	4.38E-05	4.57E-05
2109	567017.11	4216569.35	4.74E-04	5.12E-04	4.11E-04	4.53E-04	4.97E-05	7.34E-05	4.33E-05	4.52E-05
2110	567026.21	4216567.16	4.69E-04	5.06E-04	4.07E-04	4.48E-04	4.92E-05	7.26E-05	4.28E-05	4.47E-05
2111	567035.3	4216564.98	4.63E-04	5.00E-04	4.02E-04	4.43E-04	4.86E-05	7.17E-05	4.23E-05	4.42E-05
2112	567044.39	4216562.79	4.58E-04	4.95E-04	3.98E-04	4.38E-04	4.81E-05	7.09E-05	4.19E-05	4.37E-05
2113	567053.48	4216560.6	4.54E-04	4.90E-04	3.94E-04	4.33E-04	4.76E-05	7.02E-05	4.14E-05	4.32E-05
2114	567062.57	4216558.42	4.49E-04	4.85E-04	3.90E-04	4.29E-04	4.71E-05	6.96E-05	4.11E-05	4.28E-05
2115	567071.67	4216556.23	4.45E-04	4.81E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.07E-05	4.25E-05
2116	567080.76	4216554.05	4.42E-04	4.77E-04	3.83E-04	4.22E-04	4.63E-05	6.84E-05	4.03E-05	4.21E-05
2117	566851.67	4216683.36	9.17E-04	9.90E-04	7.96E-04	8.76E-04	9.62E-05	1.42E-04	8.38E-05	8.74E-05
2118	566845.96	4216691.25	9.56E-04	1.03E-03	8.29E-04	9.13E-04	1.00E-04	1.48E-04	8.73E-05	9.11E-05
2119	566840.25	4216699.13	9.95E-04	1.07E-03	8.63E-04	9.50E-04	1.04E-04	1.54E-04	9.09E-05	9.48E-05
2120	566823.11	4216722.79	1.11E-03	1.20E-03	9.66E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
2121	566817.4	4216730.67	1.15E-03	1.24E-03	1.00E-03	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
2122	566811.69	4216738.56	1.19E-03	1.29E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.14E-04
2123	566805.98	4216746.44	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
2124	566800.26	4216754.33	1.26E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2125	566794.55	4216762.21	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
2126	566788.84	4216770.1	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
2127	566783.13	4216777.98	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
2128	566777.42	4216785.87	1.39E-03	1.50E-03	1.20E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
2129	566771.7	4216793.75	1.41E-03	1.52E-03	1.22E-03	1.35E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
2130	566765.99	4216801.64	1.43E-03	1.55E-03	1.24E-03	1.37E-03	1.50E-04	2.22E-04	1.31E-04	1.36E-04
2131	566862.36	4216655.43	7.85E-04	8.47E-04	6.81E-04	7.49E-04	8.23E-05	1.21E-04	7.17E-05	7.48E-05
2132	566869.72	4216649.13	7.59E-04	8.20E-04	6.59E-04	7.25E-04	7.97E-05	1.18E-04	6.94E-05	7.24E-05
2133	566877.08	4216642.83	7.34E-04	7.93E-04	6.37E-04	7.01E-04	7.70E-05	1.14E-04	6.71E-05	7.00E-05
2134	566884.43	4216636.53	7.09E-04	7.66E-04	6.16E-04	6.78E-04	7.44E-05	1.10E-04	6.48E-05	6.76E-05
2135	566891.79	4216630.24	6.85E-04	7.39E-04	5.94E-04	6.54E-04	7.18E-05	1.06E-04	6.26E-05	6.53E-05
2136	566913.87	4216611.34	6.15E-04	6.64E-04	5.34E-04	5.88E-04	6.45E-05	9.52E-05	5.62E-05	5.86E-05
2137	566921.22	4216605.05	5.93E-04	6.40E-04	5.15E-04	5.67E-04	6.22E-05	9.18E-05	5.42E-05	5.65E-05
2138	566928.58	4216598.75	5.72E-04	6.17E-04	4.96E-04	5.46E-04	6.00E-05	8.85E-05	5.22E-05	5.45E-05
2139	566935.94	4216592.45	5.50E-04	5.94E-04	4.78E-04	5.26E-04	5.77E-05	8.52E-05	5.03E-05	5.25E-05
2140	566943.3	4216586.15	5.30E-04	5.72E-04	4.60E-04	5.06E-04	5.56E-05	8.20E-05	4.84E-05	5.05E-05
2141	566950.66	4216579.86	5.11E-04	5.51E-04	4.43E-04	4.88E-04	5.36E-05	7.91E-05	4.67E-05	4.87E-05
2142	566967.43	4216571.29	4.85E-04	5.23E-04	4.21E-04	4.63E-04	5.08E-05	7.50E-05	4.43E-05	4.62E-05
2143	566976.85	4216569.03	4.77E-04	5.15E-04	4.14E-04	4.56E-04	5.01E-05	7.39E-05	4.36E-05	4.55E-05
2144	566995.68	4216564.5	4.64E-04	5.01E-04	4.02E-04	4.43E-04	4.86E-05	7.18E-05	4.24E-05	4.42E-05
2145	567005.1	4216562.24	4.58E-04	4.94E-04	3.97E-04	4.38E-04	4.80E-05	7.09E-05	4.18E-05	4.37E-05
2146	567014.52	4216559.97	4.53E-04	4.89E-04	3.93E-04	4.32E-04	4.75E-05	7.01E-05	4.13E-05	4.31E-05
2147	567023.93	4216557.71	4.47E-04	4.83E-04	3.88E-04	4.27E-04	4.69E-05	6.93E-05	4.09E-05	4.26E-05
2148	567033.35	4216555.45	4.42E-04	4.77E-04	3.84E-04	4.23E-04	4.64E-05	6.85E-05	4.04E-05	4.22E-05
2149	567042.77	4216553.18	4.38E-04	4.72E-04	3.80E-04	4.18E-04	4.59E-05	6.77E-05	4.00E-05	4.17E-05
2150	567052.18	4216550.92	4.33E-04	4.68E-04	3.76E-04	4.14E-04	4.55E-05	6.71E-05	3.96E-05	4.13E-05
2151	567061.6	4216548.65	4.29E-04	4.63E-04	3.72E-04	4.10E-04	4.50E-05	6.64E-05	3.92E-05	4.09E-05
2152	567071.02	4216546.39	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
2153	567080.43	4216544.12	4.22E-04	4.55E-04	3.66E-04	4.03E-04	4.42E-05	6.53E-05	3.85E-05	4.02E-05
2154	566855	4216661.73	8.10E-04	8.74E-04	7.03E-04	7.74E-04	8.49E-05	1.25E-04	7.40E-05	7.72E-05
2155	566837.86	4216685.38	9.15E-04	9.87E-04	7.94E-04	8.74E-04	9.59E-05	1.42E-04	8.35E-05	8.72E-05
2156	566820.73	4216709.04	1.02E-03	1.11E-03	8.89E-04	9.79E-04	1.07E-04	1.59E-04	9.36E-05	9.77E-05

2157	566815.02	4216716.92	1.06E-03	1.15E-03	9.21E-04	1.01E-03	1.11E-04	1.64E-04	9.70E-05	1.01E-04
2158	566809.3	4216724.81	1.10E-03	1.19E-03	9.53E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
2159	566803.59	4216732.69	1.13E-03	1.22E-03	9.84E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
2160	566797.88	4216740.58	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
2161	566792.17	4216748.46	1.20E-03	1.30E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
2162	566786.45	4216756.35	1.24E-03	1.33E-03	1.07E-03	1.18E-03	1.30E-04	1.91E-04	1.13E-04	1.18E-04
2163	566780.74	4216764.23	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2164	566775.03	4216772.12	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2165	566769.32	4216780	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.21E-04	1.26E-04
2166	566763.61	4216787.89	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2167	566757.89	4216795.77	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
2168	566854.01	4216649.78	7.55E-04	8.15E-04	6.55E-04	7.22E-04	7.92E-05	1.17E-04	6.90E-05	7.20E-05
2169	566861.11	4216643.7	7.33E-04	7.91E-04	6.36E-04	7.00E-04	7.69E-05	1.13E-04	6.69E-05	6.98E-05
2170	566868.22	4216637.62	7.10E-04	7.67E-04	6.16E-04	6.79E-04	7.45E-05	1.10E-04	6.49E-05	6.77E-05
2171	566875.32	4216631.54	6.88E-04	7.43E-04	5.97E-04	6.57E-04	7.22E-05	1.07E-04	6.29E-05	6.56E-05
2172	566882.42	4216625.46	6.66E-04	7.19E-04	5.78E-04	6.36E-04	6.98E-05	1.03E-04	6.08E-05	6.35E-05
2173	566889.53	4216619.38	6.44E-04	6.95E-04	5.59E-04	6.15E-04	6.76E-05	9.97E-05	5.88E-05	6.14E-05
2174	566910.84	4216601.13	5.82E-04	6.28E-04	5.05E-04	5.55E-04	6.10E-05	9.00E-05	5.31E-05	5.54E-05
2175	566917.95	4216595.05	5.62E-04	6.06E-04	4.87E-04	5.37E-04	5.89E-05	8.69E-05	5.13E-05	5.35E-05
2176	566925.05	4216588.97	5.42E-04	5.85E-04	4.70E-04	5.18E-04	5.69E-05	8.39E-05	4.95E-05	5.17E-05
2177	566932.16	4216582.89	5.23E-04	5.65E-04	4.54E-04	5.00E-04	5.49E-05	8.10E-05	4.78E-05	4.99E-05
2178	566939.26	4216576.81	5.05E-04	5.45E-04	4.38E-04	4.82E-04	5.30E-05	7.82E-05	4.61E-05	4.81E-05
2179	566946.36	4216570.73	4.88E-04	5.27E-04	4.23E-04	4.66E-04	5.12E-05	7.55E-05	4.46E-05	4.65E-05
2180	566962.56	4216562.47	4.64E-04	5.01E-04	4.03E-04	4.44E-04	4.87E-05	7.19E-05	4.24E-05	4.43E-05
2181	566971.65	4216560.28	4.58E-04	4.94E-04	3.97E-04	4.37E-04	4.80E-05	7.08E-05	4.18E-05	4.36E-05
2182	566989.84	4216555.91	4.45E-04	4.81E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.07E-05	4.24E-05
2183	566998.93	4216553.72	4.40E-04	4.75E-04	3.82E-04	4.20E-04	4.61E-05	6.81E-05	4.02E-05	4.19E-05
2184	567008.02	4216551.54	4.35E-04	4.69E-04	3.77E-04	4.15E-04	4.56E-05	6.73E-05	3.97E-05	4.14E-05
2185	567017.11	4216549.35	4.30E-04	4.64E-04	3.73E-04	4.11E-04	4.51E-05	6.65E-05	3.93E-05	4.10E-05
2186	567026.21	4216547.16	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
2187	567035.3	4216544.98	4.21E-04	4.54E-04	3.65E-04	4.02E-04	4.42E-05	6.52E-05	3.85E-05	4.01E-05
2188	567044.39	4216542.79	4.17E-04	4.50E-04	3.62E-04	3.98E-04	4.37E-05	6.45E-05	3.81E-05	3.97E-05
2189	567053.48	4216540.6	4.13E-04	4.46E-04	3.59E-04	3.95E-04	4.34E-05	6.40E-05	3.78E-05	3.94E-05
2190	567062.57	4216538.42	4.10E-04	4.42E-04	3.55E-04	3.91E-04	4.30E-05	6.34E-05	3.74E-05	3.90E-05
2191	567071.67	4216536.23	4.06E-04	4.38E-04	3.52E-04	3.88E-04	4.26E-05	6.29E-05	3.71E-05	3.87E-05
2192	567080.76	4216534.05	4.03E-04	4.35E-04	3.50E-04	3.85E-04	4.23E-05	6.24E-05	3.68E-05	3.84E-05
2193	566846.9	4216655.86	7.78E-04	8.40E-04	6.75E-04	7.43E-04	8.16E-05	1.20E-04	7.11E-05	7.42E-05
2194	566841.19	4216663.74	8.10E-04	8.75E-04	7.03E-04	7.74E-04	8.50E-05	1.25E-04	7.40E-05	7.72E-05
2195	566818.34	4216695.28	9.45E-04	1.02E-03	8.20E-04	9.02E-04	9.91E-05	1.46E-04	8.63E-05	9.00E-05
2196	566812.63	4216703.17	9.79E-04	1.06E-03	8.50E-04	9.35E-04	1.03E-04	1.52E-04	8.94E-05	9.33E-05
2197	566806.92	4216711.05	1.01E-03	1.09E-03	8.80E-04	9.68E-04	1.06E-04	1.57E-04	9.26E-05	9.66E-05
2198	566801.2	4216718.94	1.05E-03	1.13E-03	9.09E-04	1.00E-03	1.10E-04	1.62E-04	9.57E-05	9.99E-05
2199	566795.49	4216726.82	1.08E-03	1.17E-03	9.39E-04	1.03E-03	1.13E-04	1.67E-04	9.88E-05	1.03E-04
2200	566789.78	4216734.71	1.11E-03	1.20E-03	9.67E-04	1.06E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
2201	566784.07	4216742.59	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
2202	566778.36	4216750.48	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.08E-04	1.12E-04
2203	566772.64	4216758.36	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.87E-04	1.10E-04	1.15E-04
2204	566766.93	4216766.25	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.17E-04
2205	566761.22	4216774.13	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
2206	566755.51	4216782.02	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2207	566749.79	4216789.9	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
2208	566846.15	4216643.71	7.26E-04	7.84E-04	6.30E-04	6.94E-04	7.62E-05	1.12E-04	6.64E-05	6.92E-05
2209	566853.49	4216637.43	7.05E-04	7.61E-04	6.11E-04	6.73E-04	7.39E-05	1.09E-04	6.44E-05	6.72E-05
2210	566860.83	4216631.14	6.83E-04	7.37E-04	5.93E-04	6.52E-04	7.16E-05	1.06E-04	6.24E-05	6.51E-05

2211	566868.17	4216624.86	6.62E-04	7.14E-04	5.74E-04	6.32E-04	6.94E-05	1.02E-04	6.04E-05	6.31E-05
2212	566875.51	4216618.58	6.40E-04	6.91E-04	5.56E-04	6.12E-04	6.72E-05	9.91E-05	5.85E-05	6.10E-05
2213	566882.85	4216612.29	6.19E-04	6.69E-04	5.37E-04	5.92E-04	6.50E-05	9.59E-05	5.66E-05	5.90E-05
2214	566890.19	4216606.01	5.99E-04	6.46E-04	5.19E-04	5.72E-04	6.28E-05	9.27E-05	5.47E-05	5.71E-05
2215	566912.22	4216587.16	5.39E-04	5.82E-04	4.68E-04	5.15E-04	5.66E-05	8.35E-05	4.93E-05	5.14E-05
2216	566919.56	4216580.88	5.20E-04	5.62E-04	4.51E-04	4.97E-04	5.46E-05	8.05E-05	4.75E-05	4.96E-05
2217	566926.9	4216574.59	5.02E-04	5.42E-04	4.35E-04	4.79E-04	5.26E-05	7.77E-05	4.58E-05	4.78E-05
2218	566934.24	4216568.31	4.84E-04	5.23E-04	4.20E-04	4.63E-04	5.08E-05	7.50E-05	4.42E-05	4.62E-05
2219	566941.58	4216562.03	4.68E-04	5.05E-04	4.06E-04	4.47E-04	4.90E-05	7.24E-05	4.27E-05	4.46E-05
2220	566958.32	4216553.49	4.45E-04	4.80E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.06E-05	4.24E-05
2221	566967.71	4216551.23	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.78E-05	4.00E-05	4.18E-05
2222	566986.5	4216546.71	4.27E-04	4.61E-04	3.70E-04	4.08E-04	4.47E-05	6.60E-05	3.90E-05	4.07E-05
2223	566995.9	4216544.45	4.21E-04	4.55E-04	3.66E-04	4.02E-04	4.42E-05	6.52E-05	3.85E-05	4.02E-05
2224	567005.29	4216542.19	4.16E-04	4.49E-04	3.61E-04	3.98E-04	4.37E-05	6.44E-05	3.80E-05	3.97E-05
2225	567014.69	4216539.93	4.11E-04	4.44E-04	3.57E-04	3.93E-04	4.31E-05	6.37E-05	3.76E-05	3.92E-05
2226	567024.08	4216537.67	4.07E-04	4.39E-04	3.53E-04	3.89E-04	4.27E-05	6.30E-05	3.72E-05	3.88E-05
2227	567033.48	4216535.41	4.03E-04	4.35E-04	3.49E-04	3.85E-04	4.22E-05	6.23E-05	3.68E-05	3.84E-05
2228	567042.87	4216533.15	3.99E-04	4.31E-04	3.46E-04	3.81E-04	4.18E-05	6.17E-05	3.64E-05	3.80E-05
2229	567052.27	4216530.9	3.95E-04	4.27E-04	3.43E-04	3.78E-04	4.15E-05	6.12E-05	3.61E-05	3.77E-05
2230	567061.66	4216528.64	3.92E-04	4.23E-04	3.40E-04	3.74E-04	4.11E-05	6.07E-05	3.58E-05	3.74E-05
2231	567071.06	4216526.38	3.89E-04	4.20E-04	3.37E-04	3.72E-04	4.08E-05	6.02E-05	3.55E-05	3.71E-05
2232	567080.45	4216524.12	3.86E-04	4.17E-04	3.35E-04	3.69E-04	4.05E-05	5.98E-05	3.53E-05	3.68E-05
2233	566838.8	4216649.99	7.48E-04	8.08E-04	6.49E-04	7.15E-04	7.85E-05	1.16E-04	6.84E-05	7.13E-05
2234	566833.09	4216657.88	7.79E-04	8.40E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
2235	566827.38	4216665.76	8.09E-04	8.74E-04	7.02E-04	7.73E-04	8.49E-05	1.25E-04	7.39E-05	7.72E-05
2236	566804.53	4216697.3	9.37E-04	1.01E-03	8.13E-04	8.95E-04	9.83E-05	1.45E-04	8.56E-05	8.93E-05
2237	566798.82	4216705.19	9.69E-04	1.05E-03	8.41E-04	9.26E-04	1.02E-04	1.50E-04	8.85E-05	9.24E-05
2238	566793.11	4216713.07	1.00E-03	1.08E-03	8.69E-04	9.56E-04	1.05E-04	1.55E-04	9.15E-05	9.54E-05
2239	566787.39	4216720.96	1.03E-03	1.12E-03	8.96E-04	9.87E-04	1.08E-04	1.60E-04	9.44E-05	9.85E-05
2240	566781.68	4216728.84	1.06E-03	1.15E-03	9.23E-04	1.02E-03	1.12E-04	1.65E-04	9.72E-05	1.01E-04
2241	566775.97	4216736.73	1.09E-03	1.18E-03	9.49E-04	1.04E-03	1.15E-04	1.69E-04	9.99E-05	1.04E-04
2242	566770.26	4216744.61	1.12E-03	1.21E-03	9.74E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
2243	566764.55	4216752.5	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
2244	566758.83	4216760.38	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2245	566753.12	4216768.27	1.20E-03	1.29E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.14E-04
2246	566747.41	4216776.15	1.22E-03	1.32E-03	1.06E-03	1.16E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
2247	566741.7	4216784.04	1.24E-03	1.34E-03	1.07E-03	1.18E-03	1.30E-04	1.92E-04	1.13E-04	1.18E-04
2248	566996.35	4216991.83	1.48E-02	1.59E-02	1.28E-02	1.41E-02	1.55E-03	2.28E-03	1.35E-03	1.41E-03
2249	566983.49	4216995.37	1.15E-02	1.24E-02	1.00E-02	1.10E-02	1.21E-03	1.78E-03	1.05E-03	1.10E-03
2250	566998.28	4217005.03	1.21E-02	1.31E-02	1.05E-02	1.16E-02	1.27E-03	1.88E-03	1.11E-03	1.16E-03
2251	566959.26	4216971.55	9.60E-03	1.04E-02	8.33E-03	9.17E-03	1.01E-03	1.49E-03	8.77E-04	9.15E-04
2252	566978.02	4217003.74	9.63E-03	1.04E-02	8.36E-03	9.20E-03	1.01E-03	1.49E-03	8.80E-04	9.18E-04
2253	566992.81	4217013.4	9.90E-03	1.07E-02	8.59E-03	9.45E-03	1.04E-03	1.53E-03	9.04E-04	9.43E-04
2254	567007.6	4217023.07	9.92E-03	1.07E-02	8.61E-03	9.48E-03	1.04E-03	1.54E-03	9.06E-04	9.46E-04
2255	566952.06	4216987.61	8.11E-03	8.76E-03	7.04E-03	7.75E-03	8.51E-04	1.26E-03	7.41E-04	7.73E-04
2256	566949.43	4216973.37	8.34E-03	9.00E-03	7.24E-03	7.97E-03	8.75E-04	1.29E-03	7.62E-04	7.95E-04
2257	566972.55	4217012.11	8.17E-03	8.82E-03	7.09E-03	7.80E-03	8.57E-04	1.26E-03	7.46E-04	7.79E-04
2258	566987.34	4217021.77	8.25E-03	8.91E-03	7.16E-03	7.88E-03	8.66E-04	1.28E-03	7.54E-04	7.87E-04
2259	567002.13	4217031.44	8.11E-03	8.75E-03	7.03E-03	7.74E-03	8.50E-04	1.25E-03	7.40E-04	7.73E-04
2260	566946.59	4216995.98	7.21E-03	7.78E-03	6.26E-03	6.89E-03	7.56E-04	1.12E-03	6.59E-04	6.87E-04
2261	566939.6	4216975.18	7.35E-03	7.93E-03	6.37E-03	7.02E-03	7.70E-04	1.14E-03	6.71E-04	7.00E-04
2262	566943.07	4216959.82	7.82E-03	8.44E-03	6.78E-03	7.47E-03	8.20E-04	1.21E-03	7.14E-04	7.45E-04
2263	566967.08	4217020.48	7.00E-03	7.56E-03	6.07E-03	6.69E-03	7.34E-04	1.08E-03	6.39E-04	6.67E-04
2264	566981.87	4217030.15	6.97E-03	7.52E-03	6.05E-03	6.66E-03	7.31E-04	1.08E-03	6.37E-04	6.64E-04

2265	566996.66	4217039.81	6.73E-03	7.27E-03	5.84E-03	6.43E-03	7.06E-04	1.04E-03	6.15E-04	6.42E-04
2266	566941.12	4217004.35	6.41E-03	6.92E-03	5.56E-03	6.13E-03	6.73E-04	9.93E-04	5.86E-04	6.11E-04
2267	566932.39	4216991.24	6.37E-03	6.87E-03	5.52E-03	6.08E-03	6.68E-04	9.85E-04	5.81E-04	6.07E-04
2268	566929.76	4216977	6.54E-03	7.06E-03	5.67E-03	6.24E-03	6.86E-04	1.01E-03	5.97E-04	6.23E-04
2269	566933.23	4216961.64	6.96E-03	7.51E-03	6.04E-03	6.64E-03	7.30E-04	1.08E-03	6.35E-04	6.63E-04
2270	566961.61	4217028.85	6.05E-03	6.53E-03	5.25E-03	5.78E-03	6.34E-04	9.36E-04	5.52E-04	5.76E-04
2271	566976.4	4217038.52	5.95E-03	6.42E-03	5.16E-03	5.68E-03	6.24E-04	9.20E-04	5.43E-04	5.67E-04
2272	566991.19	4217048.18	5.67E-03	6.12E-03	4.92E-03	5.42E-03	5.95E-04	8.78E-04	5.18E-04	5.41E-04
2273	566935.65	4217012.72	5.71E-03	6.17E-03	4.96E-03	5.46E-03	5.99E-04	8.84E-04	5.22E-04	5.44E-04
2274	566926.92	4216999.61	5.76E-03	6.22E-03	5.00E-03	5.51E-03	6.05E-04	8.92E-04	5.27E-04	5.49E-04
2275	566919.93	4216978.81	5.87E-03	6.33E-03	5.09E-03	5.61E-03	6.16E-04	9.08E-04	5.36E-04	5.59E-04
2276	566923.4	4216963.45	6.24E-03	6.74E-03	5.41E-03	5.96E-03	6.54E-04	9.66E-04	5.70E-04	5.95E-04
2277	566926.87	4216948.09	6.43E-03	6.94E-03	5.58E-03	6.14E-03	6.74E-04	9.95E-04	5.87E-04	6.13E-04
2278	566956.14	4217037.22	5.26E-03	5.68E-03	4.57E-03	5.03E-03	5.52E-04	8.14E-04	4.81E-04	5.02E-04
2279	566930.18	4217021.09	5.10E-03	5.50E-03	4.42E-03	4.87E-03	5.35E-04	7.89E-04	4.66E-04	4.86E-04
2280	566921.45	4217007.98	5.22E-03	5.63E-03	4.52E-03	4.98E-03	5.47E-04	8.07E-04	4.76E-04	4.97E-04
2281	566912.72	4216994.87	5.17E-03	5.58E-03	4.49E-03	4.94E-03	5.43E-04	8.01E-04	4.73E-04	4.93E-04
2282	566910.09	4216980.63	5.31E-03	5.73E-03	4.60E-03	5.07E-03	5.57E-04	8.21E-04	4.85E-04	5.06E-04
2283	566913.57	4216965.27	5.64E-03	6.08E-03	4.89E-03	5.38E-03	5.91E-04	8.72E-04	5.15E-04	5.37E-04
2284	566917.04	4216949.9	5.82E-03	6.29E-03	5.05E-03	5.56E-03	6.11E-04	9.02E-04	5.32E-04	5.55E-04
2285	566965.46	4217055.26	4.43E-03	4.78E-03	3.85E-03	4.23E-03	4.65E-04	6.86E-04	4.05E-04	4.22E-04
2286	566980.25	4217064.93	4.15E-03	4.48E-03	3.60E-03	3.96E-03	4.35E-04	6.42E-04	3.79E-04	3.95E-04
2287	566924.71	4217029.46	4.56E-03	4.92E-03	3.96E-03	4.36E-03	4.78E-04	7.06E-04	4.17E-04	4.35E-04
2288	566915.98	4217016.35	4.72E-03	5.09E-03	4.09E-03	4.51E-03	4.95E-04	7.30E-04	4.31E-04	4.50E-04
2289	566907.25	4217003.24	4.74E-03	5.12E-03	4.12E-03	4.53E-03	4.98E-04	7.34E-04	4.33E-04	4.52E-04
2290	566900.26	4216982.44	4.83E-03	5.21E-03	4.19E-03	4.61E-03	5.06E-04	7.47E-04	4.41E-04	4.60E-04
2291	566903.73	4216967.08	5.12E-03	5.53E-03	4.44E-03	4.89E-03	5.37E-04	7.93E-04	4.68E-04	4.88E-04
2292	566907.2	4216951.72	5.30E-03	5.72E-03	4.60E-03	5.07E-03	5.56E-04	8.21E-04	4.84E-04	5.05E-04
2293	566910.67	4216936.35	5.36E-03	5.78E-03	4.65E-03	5.12E-03	5.62E-04	8.29E-04	4.89E-04	5.10E-04
2294	566945.2	4217053.96	4.05E-03	4.37E-03	3.51E-03	3.87E-03	4.25E-04	6.27E-04	3.70E-04	3.86E-04
2295	566959.99	4217063.63	3.87E-03	4.17E-03	3.35E-03	3.69E-03	4.06E-04	5.98E-04	3.53E-04	3.69E-04
2296	566974.78	4217073.3	3.59E-03	3.88E-03	3.12E-03	3.43E-03	3.77E-04	5.56E-04	3.28E-04	3.42E-04
2297	566917.78	4217035.65	4.13E-03	4.46E-03	3.58E-03	3.94E-03	4.33E-04	6.39E-04	3.77E-04	3.93E-04
2298	566908.09	4217021.08	4.30E-03	4.65E-03	3.73E-03	4.11E-03	4.51E-04	6.66E-04	3.93E-04	4.10E-04
2299	566898.39	4217006.51	4.34E-03	4.69E-03	3.77E-03	4.15E-03	4.55E-04	6.72E-04	3.97E-04	4.14E-04
2300	566890.62	4216983.41	4.43E-03	4.78E-03	3.85E-03	4.23E-03	4.65E-04	6.86E-04	4.05E-04	4.22E-04
2301	566894.48	4216966.34	4.71E-03	5.09E-03	4.09E-03	4.50E-03	4.94E-04	7.30E-04	4.31E-04	4.49E-04
2302	566898.33	4216949.26	4.88E-03	5.27E-03	4.23E-03	4.66E-03	5.12E-04	7.55E-04	4.46E-04	4.65E-04
2303	566900.26	4216940.73	4.91E-03	5.30E-03	4.26E-03	4.69E-03	5.15E-04	7.61E-04	4.49E-04	4.68E-04
2304	566939.73	4217062.34	3.58E-03	3.87E-03	3.11E-03	3.42E-03	3.76E-04	5.54E-04	3.27E-04	3.41E-04
2305	566954.52	4217072	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.56E-04	5.25E-04	3.10E-04	3.23E-04
2306	566969.31	4217081.67	3.13E-03	3.38E-03	2.72E-03	2.99E-03	3.29E-04	4.85E-04	2.86E-04	2.99E-04
2307	566893.26	4217015.39	3.99E-03	4.30E-03	3.46E-03	3.81E-03	4.18E-04	6.17E-04	3.64E-04	3.80E-04
2308	566883.66	4217000.97	3.97E-03	4.28E-03	3.44E-03	3.79E-03	4.16E-04	6.14E-04	3.62E-04	3.78E-04
2309	566880.77	4216985.31	4.07E-03	4.40E-03	3.53E-03	3.89E-03	4.27E-04	6.30E-04	3.72E-04	3.88E-04
2310	566884.58	4216968.41	4.32E-03	4.67E-03	3.75E-03	4.13E-03	4.53E-04	6.69E-04	3.95E-04	4.12E-04
2311	566888.4	4216951.51	4.48E-03	4.84E-03	3.89E-03	4.28E-03	4.70E-04	6.94E-04	4.10E-04	4.27E-04
2312	566892.22	4216934.61	4.54E-03	4.90E-03	3.94E-03	4.33E-03	4.76E-04	7.02E-04	4.14E-04	4.32E-04
2313	566934.25	4217070.71	3.18E-03	3.43E-03	2.76E-03	3.04E-03	3.34E-04	4.92E-04	2.90E-04	3.03E-04
2314	566949.05	4217080.37	2.99E-03	3.23E-03	2.60E-03	2.86E-03	3.14E-04	4.63E-04	2.73E-04	2.85E-04
2315	566963.84	4217090.04	2.75E-03	2.97E-03	2.39E-03	2.63E-03	2.89E-04	4.26E-04	2.51E-04	2.62E-04
2316	566907.11	4217052.79	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.51E-04	5.18E-04	3.05E-04	3.19E-04
2317	566878.54	4217009.88	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.51E-04
2318	566870.92	4216987.19	3.75E-03	4.05E-03	3.26E-03	3.59E-03	3.94E-04	5.81E-04	3.43E-04	3.58E-04

2319	566874.7	4216970.43	3.98E-03	4.30E-03	3.45E-03	3.80E-03	4.18E-04	6.16E-04	3.64E-04	3.80E-04
2320	566878.49	4216953.67	4.13E-03	4.46E-03	3.59E-03	3.95E-03	4.34E-04	6.40E-04	3.78E-04	3.94E-04
2321	566882.28	4216936.91	4.20E-03	4.53E-03	3.64E-03	4.01E-03	4.40E-04	6.50E-04	3.83E-04	4.00E-04
2322	566886.06	4216920.15	4.17E-03	4.50E-03	3.62E-03	3.98E-03	4.37E-04	6.45E-04	3.81E-04	3.97E-04
2323	566928.78	4217079.08	2.83E-03	3.06E-03	2.46E-03	2.71E-03	2.97E-04	4.39E-04	2.59E-04	2.70E-04
2324	566943.58	4217088.74	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.78E-04	4.11E-04	2.42E-04	2.53E-04
2325	566958.37	4217098.41	2.43E-03	2.62E-03	2.11E-03	2.32E-03	2.55E-04	3.76E-04	2.22E-04	2.31E-04
2326	566901.74	4217061.31	3.02E-03	3.26E-03	2.62E-03	2.88E-03	3.16E-04	4.67E-04	2.76E-04	2.88E-04
2327	566892.28	4217047.1	3.22E-03	3.48E-03	2.79E-03	3.08E-03	3.38E-04	4.99E-04	2.94E-04	3.07E-04
2328	566882.83	4217032.9	3.35E-03	3.62E-03	2.91E-03	3.20E-03	3.51E-04	5.18E-04	3.06E-04	3.19E-04
2329	566861.07	4216989.07	3.47E-03	3.75E-03	3.01E-03	3.32E-03	3.64E-04	5.37E-04	3.17E-04	3.31E-04
2330	566864.83	4216972.42	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.50E-04
2331	566868.59	4216955.78	3.82E-03	4.13E-03	3.32E-03	3.65E-03	4.01E-04	5.92E-04	3.49E-04	3.64E-04
2332	566872.35	4216939.13	3.89E-03	4.20E-03	3.38E-03	3.72E-03	4.08E-04	6.03E-04	3.56E-04	3.71E-04
2333	566876.11	4216922.49	3.89E-03	4.20E-03	3.37E-03	3.71E-03	4.08E-04	6.02E-04	3.55E-04	3.70E-04
2334	566923.31	4217087.45	2.53E-03	2.73E-03	2.20E-03	2.42E-03	2.66E-04	3.92E-04	2.31E-04	2.41E-04
2335	566938.11	4217097.12	2.36E-03	2.55E-03	2.05E-03	2.25E-03	2.48E-04	3.65E-04	2.16E-04	2.25E-04
2336	566952.9	4217106.78	2.15E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.33E-04	1.97E-04	2.05E-04
2337	566896.35	4217069.81	2.73E-03	2.94E-03	2.37E-03	2.60E-03	2.86E-04	4.22E-04	2.49E-04	2.60E-04
2338	566886.95	4217055.69	2.93E-03	3.16E-03	2.54E-03	2.80E-03	3.07E-04	4.54E-04	2.68E-04	2.79E-04
2339	566877.55	4217041.56	3.07E-03	3.32E-03	2.66E-03	2.93E-03	3.22E-04	4.75E-04	2.81E-04	2.93E-04
2340	566868.15	4217027.44	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.30E-04	4.87E-04	2.87E-04	3.00E-04
2341	566858.75	4217013.32	3.16E-03	3.41E-03	2.74E-03	3.02E-03	3.32E-04	4.89E-04	2.89E-04	3.01E-04
2342	566854.96	4216974.38	3.41E-03	3.68E-03	2.96E-03	3.25E-03	3.57E-04	5.27E-04	3.11E-04	3.25E-04
2343	566858.7	4216957.84	3.54E-03	3.82E-03	3.07E-03	3.38E-03	3.72E-04	5.48E-04	3.24E-04	3.38E-04
2344	566862.44	4216941.29	3.62E-03	3.91E-03	3.14E-03	3.46E-03	3.79E-04	5.60E-04	3.30E-04	3.45E-04
2345	566866.18	4216924.75	3.63E-03	3.91E-03	3.15E-03	3.46E-03	3.80E-04	5.61E-04	3.31E-04	3.46E-04
2346	566869.92	4216908.2	3.57E-03	3.85E-03	3.10E-03	3.41E-03	3.74E-04	5.52E-04	3.26E-04	3.40E-04
2347	566917.84	4217095.82	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.52E-04	2.08E-04	2.17E-04
2348	566932.64	4217105.49	2.11E-03	2.28E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.93E-04	2.01E-04
2349	566947.43	4217115.15	1.92E-03	2.07E-03	1.67E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
2350	566890.95	4217078.29	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
2351	566881.6	4217064.24	2.67E-03	2.88E-03	2.32E-03	2.55E-03	2.80E-04	4.13E-04	2.44E-04	2.54E-04
2352	566872.25	4217050.19	2.82E-03	3.04E-03	2.44E-03	2.69E-03	2.96E-04	4.36E-04	2.57E-04	2.69E-04
2353	566862.9	4217036.14	2.91E-03	3.14E-03	2.53E-03	2.78E-03	3.05E-04	4.51E-04	2.66E-04	2.78E-04
2354	566853.55	4217022.09	2.95E-03	3.18E-03	2.56E-03	2.82E-03	3.09E-04	4.57E-04	2.69E-04	2.81E-04
2355	566844.2	4217008.04	2.93E-03	3.16E-03	2.54E-03	2.80E-03	3.07E-04	4.54E-04	2.68E-04	2.79E-04
2356	566845.1	4216976.33	3.17E-03	3.42E-03	2.75E-03	3.02E-03	3.32E-04	4.90E-04	2.89E-04	3.02E-04
2357	566848.82	4216959.86	3.29E-03	3.55E-03	2.86E-03	3.15E-03	3.45E-04	5.10E-04	3.01E-04	3.14E-04
2358	566852.54	4216943.4	3.37E-03	3.64E-03	2.92E-03	3.22E-03	3.53E-04	5.22E-04	3.08E-04	3.21E-04
2359	566912.37	4217104.19	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
2360	566927.17	4217113.86	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.99E-04	2.93E-04	1.73E-04	1.80E-04
2361	566941.96	4217123.53	1.72E-03	1.86E-03	1.49E-03	1.64E-03	1.80E-04	2.66E-04	1.57E-04	1.64E-04
2362	566885.54	4217086.75	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.48E-04	2.05E-04	2.14E-04
2363	566876.23	4217072.76	2.44E-03	2.63E-03	2.11E-03	2.33E-03	2.56E-04	3.77E-04	2.23E-04	2.32E-04
2364	566866.93	4217058.78	2.59E-03	2.79E-03	2.25E-03	2.47E-03	2.72E-04	4.01E-04	2.37E-04	2.47E-04
2365	566857.62	4217044.79	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
2366	566848.31	4217030.81	2.75E-03	2.97E-03	2.39E-03	2.63E-03	2.88E-04	4.26E-04	2.51E-04	2.62E-04
2367	566839	4217016.82	2.76E-03	2.97E-03	2.39E-03	2.63E-03	2.89E-04	4.27E-04	2.52E-04	2.63E-04
2368	566831.54	4216994.64	2.80E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
2369	566835.24	4216978.25	2.96E-03	3.19E-03	2.56E-03	2.82E-03	3.10E-04	4.58E-04	2.70E-04	2.82E-04
2370	566838.94	4216961.86	3.07E-03	3.32E-03	2.67E-03	2.93E-03	3.22E-04	4.76E-04	2.81E-04	2.93E-04
2371	566842.65	4216945.47	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.30E-04	4.87E-04	2.87E-04	3.00E-04
2372	566850.05	4216912.7	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.30E-04	4.88E-04	2.88E-04	3.00E-04

2373	566906.9	4217112.56	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.87E-04	1.69E-04	1.77E-04
2374	566921.7	4217122.23	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2375	566936.49	4217131.9	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2376	566880.13	4217095.2	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
2377	566870.86	4217081.27	2.23E-03	2.41E-03	1.93E-03	2.13E-03	2.34E-04	3.45E-04	2.04E-04	2.13E-04
2378	566861.58	4217067.34	2.38E-03	2.57E-03	2.07E-03	2.27E-03	2.50E-04	3.69E-04	2.17E-04	2.27E-04
2379	566852.31	4217053.41	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.86E-04	2.28E-04	2.38E-04
2380	566843.04	4217039.48	2.56E-03	2.77E-03	2.22E-03	2.45E-03	2.69E-04	3.97E-04	2.34E-04	2.44E-04
2381	566833.76	4217025.55	2.59E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.47E-04
2382	566824.49	4217011.61	2.57E-03	2.78E-03	2.23E-03	2.46E-03	2.70E-04	3.98E-04	2.35E-04	2.45E-04
2383	566821.7	4216996.49	2.63E-03	2.84E-03	2.28E-03	2.51E-03	2.76E-04	4.07E-04	2.40E-04	2.51E-04
2384	566829.07	4216963.84	2.88E-03	3.10E-03	2.50E-03	2.75E-03	3.02E-04	4.45E-04	2.63E-04	2.74E-04
2385	566840.14	4216914.87	2.97E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.83E-04
2386	566843.83	4216898.54	2.91E-03	3.14E-03	2.53E-03	2.78E-03	3.06E-04	4.51E-04	2.66E-04	2.78E-04
2387	566901.43	4217120.93	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.76E-04	2.60E-04	1.54E-04	1.60E-04
2388	566916.23	4217130.6	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.40E-04	1.41E-04	1.48E-04
2389	566931.02	4217140.27	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2390	566874.71	4217103.65	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.78E-04
2391	566865.47	4217089.76	2.04E-03	2.21E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
2392	566856.22	4217075.88	2.19E-03	2.37E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
2393	566846.98	4217062	2.31E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.57E-04	2.11E-04	2.20E-04
2394	566837.74	4217048.11	2.39E-03	2.58E-03	2.07E-03	2.28E-03	2.50E-04	3.69E-04	2.18E-04	2.27E-04
2395	566828.5	4217034.23	2.43E-03	2.62E-03	2.10E-03	2.32E-03	2.54E-04	3.75E-04	2.22E-04	2.31E-04
2396	566819.26	4217020.35	2.43E-03	2.62E-03	2.11E-03	2.32E-03	2.55E-04	3.76E-04	2.22E-04	2.31E-04
2397	566811.86	4216998.33	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.26E-04	2.35E-04
2398	566826.56	4216933.26	2.80E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
2399	566830.24	4216916.99	2.80E-03	3.02E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
2400	566833.91	4216900.72	2.76E-03	2.98E-03	2.39E-03	2.64E-03	2.90E-04	4.27E-04	2.52E-04	2.63E-04
2401	566895.96	4217129.31	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
2402	566910.76	4217138.97	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
2403	566925.55	4217148.64	1.27E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.97E-04	1.16E-04	1.21E-04
2404	566858.71	4217096.21	1.90E-03	2.05E-03	1.65E-03	1.81E-03	1.99E-04	2.94E-04	1.73E-04	1.81E-04
2405	566848.96	4217081.55	2.05E-03	2.21E-03	1.78E-03	1.95E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
2406	566839.2	4217066.9	2.16E-03	2.33E-03	1.88E-03	2.07E-03	2.27E-04	3.35E-04	1.98E-04	2.06E-04
2407	566829.45	4217052.24	2.24E-03	2.42E-03	1.95E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
2408	566819.69	4217037.59	2.28E-03	2.46E-03	1.98E-03	2.18E-03	2.39E-04	3.53E-04	2.09E-04	2.18E-04
2409	566809.94	4217022.93	2.29E-03	2.47E-03	1.99E-03	2.19E-03	2.40E-04	3.54E-04	2.09E-04	2.18E-04
2410	566813.77	4216948.18	2.62E-03	2.82E-03	2.27E-03	2.50E-03	2.74E-04	4.05E-04	2.39E-04	2.49E-04
2411	566817.64	4216931.01	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.78E-04	4.10E-04	2.42E-04	2.52E-04
2412	566821.52	4216913.84	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.09E-04	2.41E-04	2.52E-04
2413	566825.4	4216896.67	2.60E-03	2.81E-03	2.25E-03	2.48E-03	2.73E-04	4.02E-04	2.37E-04	2.48E-04
2414	566890.49	4217137.68	1.40E-03	1.51E-03	1.21E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.33E-04
2415	566905.29	4217147.34	1.28E-03	1.39E-03	1.11E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.22E-04
2416	566920.08	4217157.01	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
2417	566843.69	4217090.22	1.89E-03	2.04E-03	1.64E-03	1.80E-03	1.98E-04	2.92E-04	1.73E-04	1.80E-04
2418	566833.99	4217075.65	2.01E-03	2.16E-03	1.74E-03	1.92E-03	2.10E-04	3.10E-04	1.83E-04	1.91E-04
2419	566824.29	4217061.09	2.09E-03	2.26E-03	1.81E-03	2.00E-03	2.19E-04	3.24E-04	1.91E-04	1.99E-04
2420	566814.6	4217046.52	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.04E-04
2421	566804.9	4217031.95	2.16E-03	2.33E-03	1.88E-03	2.06E-03	2.27E-04	3.35E-04	1.97E-04	2.06E-04
2422	566795.2	4217017.38	2.15E-03	2.32E-03	1.87E-03	2.05E-03	2.26E-04	3.33E-04	1.96E-04	2.05E-04
2423	566803.85	4216950.35	2.47E-03	2.66E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.25E-04	2.35E-04
2424	566807.71	4216933.27	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.62E-04	3.87E-04	2.28E-04	2.38E-04
2425	566809.64	4216924.74	2.51E-03	2.70E-03	2.17E-03	2.39E-03	2.63E-04	3.88E-04	2.29E-04	2.39E-04
2426	566813.49	4216907.67	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.86E-04	2.28E-04	2.37E-04

2427	566817.35	4216890.6	2.44E-03	2.64E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
2428	566885.02	4217146.05	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2429	566899.82	4217155.71	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2430	566914.61	4217165.38	1.06E-03	1.15E-03	9.22E-04	1.01E-03	1.11E-04	1.64E-04	9.70E-05	1.01E-04
2431	566857.69	4217127.85	1.46E-03	1.57E-03	1.26E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
2432	566848.04	4217113.35	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2433	566819.1	4217069.88	1.95E-03	2.10E-03	1.69E-03	1.86E-03	2.05E-04	3.02E-04	1.78E-04	1.86E-04
2434	566809.46	4217055.39	2.01E-03	2.17E-03	1.74E-03	1.92E-03	2.11E-04	3.11E-04	1.84E-04	1.92E-04
2435	566799.81	4217040.89	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.86E-04	1.94E-04
2436	566790.16	4217026.4	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
2437	566786.27	4216986.44	2.18E-03	2.35E-03	1.89E-03	2.08E-03	2.29E-04	3.38E-04	1.99E-04	2.08E-04
2438	566790.11	4216969.46	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
2439	566797.78	4216935.49	2.37E-03	2.55E-03	2.05E-03	2.26E-03	2.48E-04	3.66E-04	2.16E-04	2.25E-04
2440	566801.62	4216918.51	2.37E-03	2.56E-03	2.06E-03	2.27E-03	2.49E-04	3.67E-04	2.17E-04	2.26E-04
2441	566805.46	4216901.53	2.35E-03	2.54E-03	2.04E-03	2.25E-03	2.47E-04	3.64E-04	2.15E-04	2.24E-04
2442	566809.29	4216884.55	2.30E-03	2.48E-03	2.00E-03	2.20E-03	2.41E-04	3.56E-04	2.10E-04	2.19E-04
2443	566894.35	4217164.09	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.67E-04	9.83E-05	1.03E-04
2444	566909.14	4217173.75	9.74E-04	1.05E-03	8.45E-04	9.31E-04	1.02E-04	1.51E-04	8.90E-05	9.29E-05
2445	566852.29	4217136.32	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2446	566842.69	4217121.9	1.48E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.35E-04	1.41E-04
2447	566833.09	4217107.48	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
2448	566794.69	4217049.78	1.92E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.98E-04	1.76E-04	1.83E-04
2449	566785.08	4217035.36	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
2450	566772.59	4217005.27	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.05E-04	1.80E-04	1.88E-04
2451	566776.41	4216988.37	2.06E-03	2.23E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.89E-04	1.97E-04
2452	566780.23	4216971.47	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.04E-04
2453	566787.87	4216937.67	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
2454	566791.69	4216920.77	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.49E-04	2.06E-04	2.15E-04
2455	566795.5	4216903.87	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.13E-04
2456	566799.32	4216886.97	2.20E-03	2.38E-03	1.91E-03	2.10E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
2457	566803.14	4216870.07	2.14E-03	2.31E-03	1.85E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
2458	566874.08	4217162.79	1.08E-03	1.17E-03	9.39E-04	1.03E-03	1.14E-04	1.68E-04	9.89E-05	1.03E-04
2459	566888.88	4217172.46	9.90E-04	1.07E-03	8.59E-04	9.45E-04	1.04E-04	1.53E-04	9.04E-05	9.43E-05
2460	566903.67	4217182.12	8.97E-04	9.68E-04	7.78E-04	8.57E-04	9.41E-05	1.39E-04	8.19E-05	8.55E-05
2461	566846.88	4217144.79	1.24E-03	1.34E-03	1.07E-03	1.18E-03	1.30E-04	1.91E-04	1.13E-04	1.18E-04
2462	566837.32	4217130.43	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.44E-04	2.12E-04	1.25E-04	1.31E-04
2463	566827.76	4217116.07	1.50E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.37E-04	1.43E-04
2464	566818.2	4217101.7	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.47E-04	1.53E-04
2465	566808.64	4217087.34	1.70E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.63E-04	1.55E-04	1.62E-04
2466	566762.75	4217007.13	1.87E-03	2.01E-03	1.62E-03	1.78E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
2467	566766.55	4216990.3	1.96E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.86E-04
2468	566770.36	4216973.47	2.03E-03	2.19E-03	1.76E-03	1.94E-03	2.13E-04	3.14E-04	1.85E-04	1.94E-04
2469	566774.16	4216956.64	2.09E-03	2.25E-03	1.81E-03	1.99E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
2470	566781.76	4216922.99	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.31E-04	1.96E-04	2.04E-04
2471	566785.56	4216906.16	2.13E-03	2.30E-03	1.85E-03	2.04E-03	2.24E-04	3.30E-04	1.95E-04	2.03E-04
2472	566789.36	4216889.34	2.10E-03	2.27E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.92E-04	2.01E-04
2473	566793.17	4216872.51	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.18E-04	1.87E-04	1.96E-04
2474	566868.61	4217171.16	9.99E-04	1.08E-03	8.66E-04	9.54E-04	1.05E-04	1.55E-04	9.12E-05	9.52E-05
2475	566898.2	4217190.49	8.29E-04	8.95E-04	7.19E-04	7.92E-04	8.69E-05	1.28E-04	7.57E-05	7.90E-05
2476	566831.94	4217138.94	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2477	566822.42	4217124.64	1.39E-03	1.50E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.27E-04	1.32E-04
2478	566812.9	4217110.33	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
2479	566803.38	4217096.03	1.58E-03	1.71E-03	1.37E-03	1.51E-03	1.66E-04	2.45E-04	1.45E-04	1.51E-04
2480	566793.86	4217081.72	1.66E-03	1.79E-03	1.44E-03	1.58E-03	1.74E-04	2.56E-04	1.51E-04	1.58E-04

2481	566784.34	4217067.42	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2482	566752.91	4217008.97	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.75E-04	1.62E-04	1.69E-04
2483	566756.7	4216992.21	1.86E-03	2.00E-03	1.61E-03	1.77E-03	1.95E-04	2.87E-04	1.70E-04	1.77E-04
2484	566760.48	4216975.45	1.93E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.98E-04	1.76E-04	1.84E-04
2485	566764.27	4216958.69	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
2486	566771.84	4216925.17	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.15E-04	1.86E-04	1.94E-04
2487	566775.63	4216908.41	2.04E-03	2.20E-03	1.77E-03	1.94E-03	2.13E-04	3.15E-04	1.86E-04	1.94E-04
2488	566779.42	4216891.65	2.01E-03	2.17E-03	1.75E-03	1.92E-03	2.11E-04	3.12E-04	1.84E-04	1.92E-04
2489	566783.2	4216874.89	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
2490	566786.99	4216858.13	1.91E-03	2.06E-03	1.66E-03	1.82E-03	2.00E-04	2.95E-04	1.74E-04	1.82E-04
2491	566863.14	4217179.53	9.24E-04	9.97E-04	8.02E-04	8.83E-04	9.69E-05	1.43E-04	8.44E-05	8.81E-05
2492	566892.73	4217198.87	7.68E-04	8.29E-04	6.66E-04	7.34E-04	8.06E-05	1.19E-04	7.02E-05	7.32E-05
2493	566826.56	4217147.44	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2494	566817.07	4217133.19	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.23E-04
2495	566807.59	4217118.94	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
2496	566798.1	4217104.68	1.48E-03	1.60E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
2497	566788.61	4217090.43	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2498	566779.13	4217076.18	1.61E-03	1.74E-03	1.39E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2499	566769.64	4217061.93	1.64E-03	1.77E-03	1.43E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.57E-04
2500	566743.07	4217010.82	1.69E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.61E-04
2501	566746.84	4216994.12	1.76E-03	1.90E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2502	566750.62	4216977.42	1.83E-03	1.98E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
2503	566754.39	4216960.72	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.98E-04	2.91E-04	1.72E-04	1.80E-04
2504	566758.16	4216944.02	1.92E-03	2.07E-03	1.67E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
2505	566765.71	4216910.62	1.94E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.77E-04	1.85E-04
2506	566769.48	4216893.92	1.93E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.98E-04	1.76E-04	1.84E-04
2507	566773.25	4216877.22	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.98E-04	2.93E-04	1.73E-04	1.80E-04
2508	566777.03	4216860.52	1.84E-03	1.99E-03	1.60E-03	1.76E-03	1.93E-04	2.85E-04	1.68E-04	1.75E-04
2509	566857.67	4217187.9	8.57E-04	9.25E-04	7.44E-04	8.19E-04	8.99E-05	1.33E-04	7.83E-05	8.17E-05
2510	566872.47	4217197.57	7.85E-04	8.47E-04	6.81E-04	7.50E-04	8.23E-05	1.21E-04	7.17E-05	7.48E-05
2511	566887.26	4217207.24	7.14E-04	7.70E-04	6.19E-04	6.82E-04	7.49E-05	1.10E-04	6.52E-05	6.80E-05
2512	566821.17	4217155.93	1.09E-03	1.18E-03	9.46E-04	1.04E-03	1.14E-04	1.69E-04	9.96E-05	1.04E-04
2513	566811.71	4217141.73	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
2514	566802.26	4217127.52	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2515	566792.8	4217113.32	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2516	566783.35	4217099.11	1.46E-03	1.57E-03	1.26E-03	1.39E-03	1.53E-04	2.25E-04	1.33E-04	1.39E-04
2517	566773.9	4217084.91	1.51E-03	1.63E-03	1.31E-03	1.45E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
2518	566764.44	4217070.7	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
2519	566745.53	4217042.29	1.59E-03	1.71E-03	1.38E-03	1.51E-03	1.66E-04	2.45E-04	1.45E-04	1.51E-04
2520	566736.99	4216996.02	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
2521	566740.75	4216979.37	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
2522	566744.51	4216962.73	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.64E-04	1.71E-04
2523	566748.27	4216946.09	1.83E-03	1.97E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
2524	566755.79	4216912.8	1.86E-03	2.00E-03	1.61E-03	1.77E-03	1.95E-04	2.87E-04	1.70E-04	1.77E-04
2525	566759.55	4216896.15	1.84E-03	1.99E-03	1.60E-03	1.76E-03	1.93E-04	2.85E-04	1.68E-04	1.76E-04
2526	566763.31	4216879.51	1.82E-03	1.96E-03	1.58E-03	1.73E-03	1.90E-04	2.81E-04	1.66E-04	1.73E-04
2527	566767.07	4216862.87	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
2528	566770.83	4216846.22	1.71E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.65E-04	1.57E-04	1.63E-04
2529	566852.2	4217196.28	7.97E-04	8.60E-04	6.92E-04	7.61E-04	8.36E-05	1.23E-04	7.28E-05	7.60E-05
2530	566867	4217205.94	7.30E-04	7.88E-04	6.33E-04	6.97E-04	7.66E-05	1.13E-04	6.67E-05	6.96E-05
2531	566815.77	4217164.41	1.02E-03	1.10E-03	8.81E-04	9.70E-04	1.06E-04	1.57E-04	9.27E-05	9.68E-05
2532	566806.35	4217150.25	1.11E-03	1.20E-03	9.65E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
2533	566796.92	4217136.09	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
2534	566787.49	4217121.93	1.29E-03	1.40E-03	1.12E-03	1.23E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04

2535	566778.07	4217107.77	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
2536	566768.64	4217093.61	1.43E-03	1.54E-03	1.24E-03	1.36E-03	1.50E-04	2.21E-04	1.30E-04	1.36E-04
2537	566759.22	4217079.44	1.47E-03	1.59E-03	1.28E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
2538	566740.37	4217051.12	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
2539	566730.94	4217036.96	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.34E-04	1.38E-04	1.44E-04
2540	566727.14	4216997.91	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
2541	566730.89	4216981.32	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
2542	566734.64	4216964.72	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2543	566738.39	4216948.13	1.74E-03	1.88E-03	1.51E-03	1.67E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
2544	566742.13	4216931.54	1.77E-03	1.91E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2545	566749.63	4216898.35	1.77E-03	1.91E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2546	566753.38	4216881.76	1.74E-03	1.88E-03	1.51E-03	1.67E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
2547	566757.13	4216865.17	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2548	566760.88	4216848.57	1.66E-03	1.79E-03	1.44E-03	1.58E-03	1.74E-04	2.57E-04	1.51E-04	1.58E-04
2549	566846.73	4217204.65	7.43E-04	8.02E-04	6.45E-04	7.10E-04	7.79E-05	1.15E-04	6.79E-05	7.08E-05
2550	566861.53	4217214.31	6.81E-04	7.35E-04	5.90E-04	6.50E-04	7.14E-05	1.05E-04	6.22E-05	6.49E-05
2551	566809.43	4217171.47	9.56E-04	1.03E-03	8.29E-04	9.13E-04	1.00E-04	1.48E-04	8.73E-05	9.11E-05
2552	566799.65	4217156.78	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.63E-04	9.60E-05	1.00E-04
2553	566789.88	4217142.1	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
2554	566780.1	4217127.41	1.23E-03	1.32E-03	1.06E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
2555	566765.44	4217105.39	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
2556	566755.67	4217090.7	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2557	566736.12	4217061.33	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
2558	566726.34	4217046.64	1.45E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
2559	566716.57	4217031.96	1.44E-03	1.55E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
2560	566713.63	4217016.01	1.47E-03	1.58E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
2561	566719.46	4216990.2	1.56E-03	1.69E-03	1.35E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2562	566723.34	4216972.99	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
2563	566727.23	4216955.79	1.65E-03	1.79E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.58E-04
2564	566729.18	4216947.18	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.53E-04	1.59E-04
2565	566733.06	4216929.97	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.77E-04	2.62E-04	1.54E-04	1.61E-04
2566	566738.9	4216904.16	1.70E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.63E-04	1.55E-04	1.62E-04
2567	566742.78	4216886.96	1.68E-03	1.81E-03	1.46E-03	1.61E-03	1.76E-04	2.60E-04	1.54E-04	1.60E-04
2568	566746.67	4216869.75	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
2569	566750.56	4216852.54	1.61E-03	1.74E-03	1.39E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2570	566754.45	4216835.33	1.55E-03	1.67E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2571	566841.26	4217213.02	6.93E-04	7.48E-04	6.01E-04	6.62E-04	7.27E-05	1.07E-04	6.33E-05	6.61E-05
2572	566856.06	4217222.68	6.36E-04	6.86E-04	5.51E-04	6.07E-04	6.67E-05	9.84E-05	5.81E-05	6.06E-05
2573	566870.85	4217232.35	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.09E-05	8.99E-05	5.31E-05	5.54E-05
2574	566823.53	4217209.24	7.16E-04	7.72E-04	6.21E-04	6.84E-04	7.51E-05	1.11E-04	6.54E-05	6.82E-05
2575	566784.59	4217150.74	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
2576	566774.86	4217136.12	1.15E-03	1.24E-03	9.96E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
2577	566765.12	4217121.49	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
2578	566755.39	4217106.87	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2579	566745.65	4217092.24	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
2580	566726.18	4217062.99	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.44E-04	2.13E-04	1.26E-04	1.31E-04
2581	566716.45	4217048.37	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2582	566706.71	4217033.74	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.44E-04	2.13E-04	1.26E-04	1.31E-04
2583	566703.78	4217017.86	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2584	566711.53	4216983.59	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
2585	566715.4	4216966.45	1.56E-03	1.69E-03	1.35E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2586	566719.27	4216949.32	1.60E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.47E-04	1.46E-04	1.52E-04
2587	566721.21	4216940.75	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2588	566725.08	4216923.61	1.62E-03	1.75E-03	1.41E-03	1.55E-03	1.70E-04	2.51E-04	1.48E-04	1.55E-04

2589	566732.82	4216889.34	1.62E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.48E-04	1.54E-04
2590	566736.69	4216872.2	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
2591	566740.57	4216855.06	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
2592	566835.79	4217221.39	6.48E-04	6.99E-04	5.62E-04	6.19E-04	6.79E-05	1.00E-04	5.92E-05	6.17E-05
2593	566850.59	4217231.06	5.94E-04	6.42E-04	5.16E-04	5.68E-04	6.24E-05	9.20E-05	5.43E-05	5.67E-05
2594	566865.38	4217240.72	5.44E-04	5.88E-04	4.72E-04	5.20E-04	5.71E-05	8.43E-05	4.97E-05	5.19E-05
2595	566818.08	4217217.64	6.70E-04	7.23E-04	5.81E-04	6.40E-04	7.02E-05	1.04E-04	6.12E-05	6.38E-05
2596	566798.68	4217188.5	8.33E-04	8.99E-04	7.22E-04	7.95E-04	8.73E-05	1.29E-04	7.61E-05	7.94E-05
2597	566769.59	4217144.8	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.66E-04	9.83E-05	1.03E-04
2598	566759.89	4217130.23	1.15E-03	1.24E-03	9.95E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
2599	566750.2	4217115.66	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
2600	566740.5	4217101.09	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.32E-04	1.94E-04	1.15E-04	1.20E-04
2601	566721.11	4217071.95	1.31E-03	1.42E-03	1.14E-03	1.25E-03	1.38E-04	2.03E-04	1.20E-04	1.25E-04
2602	566711.41	4217057.38	1.32E-03	1.43E-03	1.15E-03	1.26E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
2603	566701.71	4217042.81	1.32E-03	1.43E-03	1.15E-03	1.26E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
2604	566693.94	4217019.71	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2605	566697.8	4217002.64	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2606	566701.66	4216985.57	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.33E-04	1.38E-04
2607	566705.51	4216968.5	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
2608	566709.37	4216951.43	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
2609	566713.23	4216934.36	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.40E-04	1.41E-04	1.48E-04
2610	566717.08	4216917.28	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.64E-04	2.41E-04	1.42E-04	1.49E-04
2611	566722.87	4216891.68	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2612	566726.73	4216874.61	1.53E-03	1.66E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
2613	566830.32	4217229.76	6.07E-04	6.55E-04	5.26E-04	5.80E-04	6.36E-05	9.39E-05	5.54E-05	5.78E-05
2614	566845.12	4217239.43	5.57E-04	6.02E-04	4.83E-04	5.32E-04	5.84E-05	8.63E-05	5.09E-05	5.31E-05
2615	566859.91	4217249.09	5.11E-04	5.52E-04	4.44E-04	4.88E-04	5.36E-05	7.91E-05	4.67E-05	4.87E-05
2616	566812.62	4217226.04	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.59E-05	9.72E-05	5.74E-05	5.99E-05
2617	566793.3	4217197.01	7.79E-04	8.41E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
2618	566783.64	4217182.49	8.58E-04	9.27E-04	7.45E-04	8.20E-04	9.00E-05	1.33E-04	7.84E-05	8.18E-05
2619	566773.97	4217167.97	9.36E-04	1.01E-03	8.12E-04	8.94E-04	9.82E-05	1.45E-04	8.55E-05	8.92E-05
2620	566744.99	4217124.42	1.14E-03	1.23E-03	9.87E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
2621	566735.32	4217109.9	1.19E-03	1.28E-03	1.03E-03	1.13E-03	1.25E-04	1.84E-04	1.08E-04	1.13E-04
2622	566716	4217080.87	1.25E-03	1.35E-03	1.09E-03	1.19E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
2623	566706.34	4217066.35	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2624	566696.67	4217051.84	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.97E-04	1.16E-04	1.21E-04
2625	566687.01	4217037.32	1.26E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2626	566684.1	4217021.56	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
2627	566687.94	4217004.55	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.22E-04	1.28E-04
2628	566695.63	4216970.53	1.43E-03	1.54E-03	1.24E-03	1.37E-03	1.50E-04	2.21E-04	1.31E-04	1.36E-04
2629	566699.47	4216953.52	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
2630	566703.32	4216936.51	1.48E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.41E-04
2631	566707.16	4216919.5	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
2632	566730.22	4216817.44	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2633	566824.85	4217238.13	5.70E-04	6.15E-04	4.94E-04	5.44E-04	5.98E-05	8.82E-05	5.20E-05	5.43E-05
2634	566839.65	4217247.8	5.24E-04	5.65E-04	4.54E-04	5.00E-04	5.49E-05	8.11E-05	4.78E-05	4.99E-05
2635	566854.44	4217257.46	4.81E-04	5.19E-04	4.17E-04	4.60E-04	5.05E-05	7.45E-05	4.39E-05	4.59E-05
2636	567028.78	4217030.96	1.10E-02	1.19E-02	9.57E-03	1.05E-02	1.16E-03	1.71E-03	1.01E-03	1.05E-03
2637	567018.45	4217028.67	1.01E-02	1.09E-02	8.79E-03	9.68E-03	1.06E-03	1.57E-03	9.25E-04	9.65E-04
2638	567040.63	4217040.44	1.03E-02	1.11E-02	8.95E-03	9.85E-03	1.08E-03	1.60E-03	9.42E-04	9.83E-04
2639	567029.22	4217040.64	8.93E-03	9.63E-03	7.74E-03	8.53E-03	9.36E-04	1.38E-03	8.15E-04	8.51E-04
2640	567017.41	4217038.02	8.32E-03	8.99E-03	7.22E-03	7.95E-03	8.73E-04	1.29E-03	7.60E-04	7.93E-04
2641	567055.69	4217042.82	1.19E-02	1.29E-02	1.03E-02	1.14E-02	1.25E-03	1.84E-03	1.09E-03	1.14E-03
2642	567045.39	4217048.5	8.81E-03	9.51E-03	7.64E-03	8.41E-03	9.24E-04	1.36E-03	8.04E-04	8.39E-04

2643	567034.69	4217051.43	7.36E-03	7.95E-03	6.39E-03	7.03E-03	7.72E-04	1.14E-03	6.73E-04	7.02E-04
2644	567023.2	4217048.89	7.06E-03	7.62E-03	6.13E-03	6.74E-03	7.41E-04	1.09E-03	6.45E-04	6.73E-04
2645	567011.72	4217046.34	6.76E-03	7.29E-03	5.86E-03	6.46E-03	7.09E-04	1.05E-03	6.17E-04	6.44E-04
2646	567063.55	4217049.18	1.07E-02	1.16E-02	9.29E-03	1.02E-02	1.12E-03	1.66E-03	9.78E-04	1.02E-03
2647	567053.43	4217054.75	8.01E-03	8.64E-03	6.95E-03	7.65E-03	8.40E-04	1.24E-03	7.32E-04	7.63E-04
2648	567043.31	4217060.32	6.35E-03	6.86E-03	5.51E-03	6.07E-03	6.66E-04	9.83E-04	5.80E-04	6.06E-04
2649	567081.31	4217050.08	1.37E-02	1.48E-02	1.19E-02	1.31E-02	1.44E-03	2.12E-03	1.25E-03	1.31E-03
2650	567071.33	4217055.58	9.51E-03	1.03E-02	8.25E-03	9.09E-03	9.98E-04	1.47E-03	8.69E-04	9.07E-04
2651	567061.34	4217061.08	7.18E-03	7.75E-03	6.23E-03	6.86E-03	7.53E-04	1.11E-03	6.56E-04	6.84E-04
2652	567088.71	4217056.68	1.17E-02	1.27E-02	1.02E-02	1.12E-02	1.23E-03	1.82E-03	1.07E-03	1.12E-03
2653	567078.11	4217062.52	8.16E-03	8.81E-03	7.08E-03	7.79E-03	8.56E-04	1.26E-03	7.45E-04	7.78E-04
2654	567067.51	4217068.36	6.11E-03	6.60E-03	5.30E-03	5.84E-03	6.41E-04	9.46E-04	5.58E-04	5.83E-04
2655	567046.31	4217080.03	4.03E-03	4.35E-03	3.50E-03	3.85E-03	4.23E-04	6.24E-04	3.69E-04	3.85E-04
2656	567030.97	4217079.36	3.89E-03	4.20E-03	3.37E-03	3.71E-03	4.08E-04	6.02E-04	3.55E-04	3.71E-04
2657	567019.15	4217076.74	3.94E-03	4.26E-03	3.42E-03	3.77E-03	4.14E-04	6.10E-04	3.60E-04	3.76E-04
2658	566995.52	4217071.51	3.98E-03	4.30E-03	3.45E-03	3.80E-03	4.18E-04	6.16E-04	3.64E-04	3.79E-04
2659	567096.37	4217063.15	1.00E-02	1.08E-02	8.68E-03	9.56E-03	1.05E-03	1.55E-03	9.14E-04	9.54E-04
2660	567085.94	4217068.89	7.16E-03	7.73E-03	6.21E-03	6.84E-03	7.51E-04	1.11E-03	6.54E-04	6.83E-04
2661	567054.64	4217086.13	3.61E-03	3.90E-03	3.13E-03	3.45E-03	3.79E-04	5.59E-04	3.30E-04	3.44E-04
2662	567040.33	4217091.02	3.13E-03	3.38E-03	2.72E-03	2.99E-03	3.29E-04	4.85E-04	2.86E-04	2.99E-04
2663	567028.7	4217088.44	3.22E-03	3.48E-03	2.79E-03	3.08E-03	3.38E-04	4.99E-04	2.94E-04	3.07E-04
2664	567017.07	4217085.86	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.02E-04	3.15E-04
2665	567104.02	4217069.62	8.46E-03	9.14E-03	7.34E-03	8.08E-03	8.88E-04	1.31E-03	7.73E-04	8.07E-04
2666	567093.72	4217075.29	6.23E-03	6.73E-03	5.41E-03	5.95E-03	6.54E-04	9.65E-04	5.69E-04	5.94E-04
2667	567073.11	4217086.64	3.85E-03	4.15E-03	3.34E-03	3.67E-03	4.03E-04	5.95E-04	3.51E-04	3.67E-04
2668	567062.8	4217092.32	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.37E-04	4.98E-04	2.94E-04	3.07E-04
2669	567052.49	4217097.99	2.78E-03	3.00E-03	2.41E-03	2.65E-03	2.91E-04	4.30E-04	2.54E-04	2.65E-04
2670	567041.8	4217100.93	2.58E-03	2.78E-03	2.24E-03	2.46E-03	2.71E-04	3.99E-04	2.36E-04	2.46E-04
2671	567030.31	4217098.38	2.67E-03	2.89E-03	2.32E-03	2.55E-03	2.81E-04	4.14E-04	2.44E-04	2.55E-04
2672	567018.82	4217095.84	2.77E-03	2.99E-03	2.40E-03	2.64E-03	2.90E-04	4.28E-04	2.53E-04	2.64E-04
2673	567007.34	4217093.29	2.85E-03	3.08E-03	2.47E-03	2.72E-03	2.99E-04	4.41E-04	2.60E-04	2.72E-04
2674	566984.37	4217088.2	2.96E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.82E-04
2675	567070.85	4217098.56	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
2676	567060.65	4217104.18	2.48E-03	2.68E-03	2.15E-03	2.37E-03	2.60E-04	3.84E-04	2.27E-04	2.36E-04
2677	567050.45	4217109.8	2.20E-03	2.37E-03	1.91E-03	2.10E-03	2.30E-04	3.40E-04	2.01E-04	2.09E-04
2678	567039.46	4217109.99	2.18E-03	2.35E-03	1.89E-03	2.08E-03	2.28E-04	3.37E-04	1.99E-04	2.07E-04
2679	567028.09	4217107.47	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
2680	567016.72	4217104.95	2.36E-03	2.54E-03	2.05E-03	2.25E-03	2.47E-04	3.65E-04	2.15E-04	2.25E-04
2681	567005.35	4217102.43	2.44E-03	2.64E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
2682	567119.13	4217082.66	6.21E-03	6.71E-03	5.39E-03	5.93E-03	6.52E-04	9.62E-04	5.68E-04	5.92E-04
2683	567097.93	4217094.33	3.67E-03	3.97E-03	3.19E-03	3.51E-03	3.85E-04	5.69E-04	3.36E-04	3.50E-04
2684	567055.53	4217117.68	1.91E-03	2.06E-03	1.66E-03	1.83E-03	2.00E-04	2.96E-04	1.75E-04	1.82E-04
2685	567044.53	4217120.7	1.81E-03	1.95E-03	1.57E-03	1.73E-03	1.90E-04	2.80E-04	1.65E-04	1.72E-04
2686	567032.71	4217118.08	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.98E-04	2.93E-04	1.73E-04	1.80E-04
2687	567020.9	4217115.46	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
2688	567009.09	4217112.84	2.07E-03	2.23E-03	1.79E-03	1.97E-03	2.17E-04	3.20E-04	1.89E-04	1.97E-04
2689	566997.27	4217110.23	2.15E-03	2.32E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.05E-04
2690	566973.64	4217104.99	2.27E-03	2.46E-03	1.97E-03	2.17E-03	2.39E-04	3.52E-04	2.08E-04	2.17E-04
2691	567095.32	4217106.45	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
2692	567084.84	4217112.23	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.06E-04	2.15E-04
2693	567042.1	4217129.74	1.56E-03	1.69E-03	1.36E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2694	567030.41	4217127.15	1.64E-03	1.77E-03	1.42E-03	1.56E-03	1.72E-04	2.53E-04	1.49E-04	1.56E-04
2695	567018.73	4217124.56	1.71E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.65E-04	1.57E-04	1.63E-04
2696	567007.04	4217121.97	1.79E-03	1.94E-03	1.56E-03	1.71E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04

2697	566995.36	4217119.38	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
2698	566983.67	4217116.8	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
2699	567117.1	4217105.14	3.29E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.10E-04	3.01E-04	3.14E-04
2700	567096.32	4217116.58	2.19E-03	2.36E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
2701	567085.94	4217122.3	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
2702	567075.55	4217128.02	1.64E-03	1.77E-03	1.42E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.56E-04
2703	567065.16	4217133.74	1.47E-03	1.59E-03	1.28E-03	1.41E-03	1.54E-04	2.28E-04	1.35E-04	1.40E-04
2704	567043.59	4217139.66	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2705	567032.01	4217137.09	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.48E-04	2.18E-04	1.28E-04	1.34E-04
2706	567020.44	4217134.53	1.47E-03	1.59E-03	1.28E-03	1.41E-03	1.55E-04	2.28E-04	1.35E-04	1.41E-04
2707	567008.86	4217131.96	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.39E-04	1.41E-04	1.47E-04
2708	566997.28	4217129.39	1.62E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.48E-04	1.54E-04
2709	566985.7	4217126.83	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
2710	566962.55	4217121.7	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.64E-04	1.71E-04
2711	567124.87	4217111.54	3.06E-03	3.30E-03	2.65E-03	2.92E-03	3.21E-04	4.73E-04	2.79E-04	2.91E-04
2712	567114.56	4217117.22	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.81E-04	2.25E-04	2.34E-04
2713	567093.95	4217128.57	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
2714	567083.65	4217134.24	1.51E-03	1.63E-03	1.31E-03	1.45E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
2715	567073.34	4217139.92	1.35E-03	1.46E-03	1.18E-03	1.29E-03	1.42E-04	2.10E-04	1.24E-04	1.29E-04
2716	567063.04	4217145.59	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
2717	567037.42	4217147.87	1.20E-03	1.30E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
2718	567025.93	4217145.33	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
2719	567014.44	4217142.78	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.21E-04	1.26E-04
2720	567002.96	4217140.24	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2721	566991.47	4217137.69	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.32E-04	1.38E-04
2722	566979.99	4217135.15	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
2723	566957.01	4217130.06	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
2724	567121.29	4217124.2	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.06E-04	2.15E-04
2725	567100.09	4217135.87	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.65E-04	2.44E-04	1.44E-04	1.50E-04
2726	567089.49	4217141.71	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.44E-04	2.13E-04	1.25E-04	1.31E-04
2727	567078.89	4217147.55	1.23E-03	1.32E-03	1.06E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
2728	567068.29	4217153.38	1.12E-03	1.21E-03	9.69E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
2729	567057.69	4217159.22	1.03E-03	1.11E-03	8.95E-04	9.86E-04	1.08E-04	1.60E-04	9.42E-05	9.83E-05
2730	567034.46	4217156.8	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.66E-04	9.82E-05	1.02E-04
2731	567022.65	4217154.18	1.12E-03	1.21E-03	9.76E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
2732	567010.83	4217151.57	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.24E-04	1.82E-04	1.08E-04	1.12E-04
2733	566999.02	4217148.95	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
2734	566987.21	4217146.33	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	2.00E-04	1.18E-04	1.23E-04
2735	566975.39	4217143.71	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2736	566951.76	4217138.48	1.44E-03	1.55E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
2737	567118.64	4217136.33	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2738	567097.62	4217147.91	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2739	567087.11	4217153.7	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
2740	567076.6	4217159.49	1.04E-03	1.13E-03	9.06E-04	9.97E-04	1.10E-04	1.62E-04	9.54E-05	9.95E-05
2741	567066.09	4217165.28	9.63E-04	1.04E-03	8.35E-04	9.20E-04	1.01E-04	1.49E-04	8.79E-05	9.18E-05
2742	567051.67	4217170.2	9.07E-04	9.79E-04	7.87E-04	8.66E-04	9.51E-05	1.40E-04	8.28E-05	8.65E-05
2743	567028.24	4217165.01	9.78E-04	1.06E-03	8.49E-04	9.34E-04	1.03E-04	1.51E-04	8.94E-05	9.32E-05
2744	567016.52	4217162.41	1.02E-03	1.10E-03	8.86E-04	9.76E-04	1.07E-04	1.58E-04	9.33E-05	9.73E-05
2745	567004.81	4217159.81	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
2746	566993.09	4217157.22	1.12E-03	1.20E-03	9.68E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
2747	566981.37	4217154.62	1.16E-03	1.26E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
2748	566969.66	4217152.02	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
2749	566946.23	4217146.83	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.37E-04	2.01E-04	1.19E-04	1.24E-04
2750	567102.21	4217156.06	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04

2751	567091.78	4217161.81	1.05E-03	1.13E-03	9.10E-04	1.00E-03	1.10E-04	1.62E-04	9.58E-05	9.99E-05
2752	567081.34	4217167.56	9.54E-04	1.03E-03	8.28E-04	9.12E-04	1.00E-04	1.48E-04	8.72E-05	9.10E-05
2753	567070.91	4217173.3	8.82E-04	9.52E-04	7.65E-04	8.42E-04	9.25E-05	1.36E-04	8.05E-05	8.40E-05
2754	567060.47	4217179.05	8.24E-04	8.89E-04	7.15E-04	7.87E-04	8.64E-05	1.27E-04	7.52E-05	7.85E-05
2755	567049.24	4217179.24	8.22E-04	8.88E-04	7.13E-04	7.85E-04	8.63E-05	1.27E-04	7.51E-05	7.84E-05
2756	567025.98	4217174.09	8.83E-04	9.54E-04	7.66E-04	8.44E-04	9.27E-05	1.37E-04	8.07E-05	8.42E-05
2757	567014.35	4217171.51	9.19E-04	9.93E-04	7.98E-04	8.78E-04	9.64E-05	1.42E-04	8.40E-05	8.76E-05
2758	567002.72	4217168.94	9.59E-04	1.03E-03	8.32E-04	9.16E-04	1.01E-04	1.48E-04	8.76E-05	9.14E-05
2759	566991.09	4217166.36	1.00E-03	1.08E-03	8.68E-04	9.55E-04	1.05E-04	1.55E-04	9.14E-05	9.53E-05
2760	566979.47	4217163.78	1.04E-03	1.13E-03	9.05E-04	9.97E-04	1.09E-04	1.62E-04	9.53E-05	9.95E-05
2761	566967.84	4217161.2	1.09E-03	1.17E-03	9.43E-04	1.04E-03	1.14E-04	1.68E-04	9.92E-05	1.04E-04
2762	566944.58	4217156.05	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
2763	567099.88	4217168.03	9.95E-04	1.07E-03	8.63E-04	9.51E-04	1.04E-04	1.54E-04	9.09E-05	9.49E-05
2764	567089.52	4217173.74	9.03E-04	9.75E-04	7.83E-04	8.62E-04	9.47E-05	1.40E-04	8.25E-05	8.61E-05
2765	567079.15	4217179.44	8.32E-04	8.98E-04	7.22E-04	7.95E-04	8.73E-05	1.29E-04	7.60E-05	7.93E-05
2766	567068.78	4217185.15	7.76E-04	8.37E-04	6.73E-04	7.41E-04	8.14E-05	1.20E-04	7.09E-05	7.39E-05
2767	567054.57	4217190.01	7.36E-04	7.95E-04	6.39E-04	7.03E-04	7.72E-05	1.14E-04	6.72E-05	7.02E-05
2768	567043.01	4217187.45	7.58E-04	8.18E-04	6.57E-04	7.24E-04	7.95E-05	1.17E-04	6.92E-05	7.22E-05
2769	567019.91	4217182.33	8.12E-04	8.77E-04	7.05E-04	7.76E-04	8.52E-05	1.26E-04	7.42E-05	7.74E-05
2770	567008.35	4217179.77	8.44E-04	9.11E-04	7.32E-04	8.06E-04	8.85E-05	1.31E-04	7.71E-05	8.04E-05
2771	566996.8	4217177.21	8.77E-04	9.47E-04	7.61E-04	8.38E-04	9.20E-05	1.36E-04	8.01E-05	8.36E-05
2772	566985.24	4217174.65	9.14E-04	9.87E-04	7.93E-04	8.73E-04	9.59E-05	1.42E-04	8.35E-05	8.72E-05
2773	566973.69	4217172.08	9.53E-04	1.03E-03	8.27E-04	9.10E-04	1.00E-04	1.47E-04	8.70E-05	9.08E-05
2774	566939.03	4217164.4	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
2775	567098.71	4217179.36	8.67E-04	9.35E-04	7.52E-04	8.28E-04	9.09E-05	1.34E-04	7.92E-05	8.26E-05
2776	567088.11	4217185.19	7.93E-04	8.56E-04	6.88E-04	7.58E-04	8.32E-05	1.23E-04	7.25E-05	7.56E-05
2777	567077.51	4217191.03	7.36E-04	7.94E-04	6.39E-04	7.03E-04	7.72E-05	1.14E-04	6.72E-05	7.02E-05
2778	567066.91	4217196.87	6.90E-04	7.45E-04	5.99E-04	6.59E-04	7.24E-05	1.07E-04	6.31E-05	6.58E-05
2779	567055.9	4217199.89	6.70E-04	7.23E-04	5.81E-04	6.40E-04	7.03E-05	1.04E-04	6.12E-05	6.39E-05
2780	567044.09	4217197.27	6.88E-04	7.43E-04	5.97E-04	6.57E-04	7.22E-05	1.07E-04	6.29E-05	6.56E-05
2781	567020.46	4217192.03	7.35E-04	7.93E-04	6.38E-04	7.02E-04	7.71E-05	1.14E-04	6.71E-05	7.01E-05
2782	567008.64	4217189.41	7.62E-04	8.23E-04	6.61E-04	7.28E-04	7.99E-05	1.18E-04	6.96E-05	7.26E-05
2783	566996.83	4217186.8	7.92E-04	8.54E-04	6.87E-04	7.56E-04	8.30E-05	1.23E-04	7.23E-05	7.55E-05
2784	566985.02	4217184.18	8.24E-04	8.90E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.86E-05
2785	566973.2	4217181.56	8.59E-04	9.27E-04	7.45E-04	8.20E-04	9.01E-05	1.33E-04	7.84E-05	8.18E-05
2786	566937.76	4217173.71	9.65E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
2787	566925.94	4217171.09	9.98E-04	1.08E-03	8.66E-04	9.53E-04	1.05E-04	1.54E-04	9.11E-05	9.51E-05
2788	567096.35	4217191.33	7.56E-04	8.16E-04	6.56E-04	7.22E-04	7.93E-05	1.17E-04	6.91E-05	7.21E-05
2789	567085.83	4217197.13	7.00E-04	7.55E-04	6.07E-04	6.69E-04	7.34E-05	1.08E-04	6.39E-05	6.67E-05
2790	567075.3	4217202.93	6.55E-04	7.07E-04	5.68E-04	6.26E-04	6.87E-05	1.01E-04	5.99E-05	6.25E-05
2791	567064.77	4217208.73	6.19E-04	6.68E-04	5.37E-04	5.91E-04	6.49E-05	9.58E-05	5.65E-05	5.90E-05
2792	567053.44	4217208.92	6.18E-04	6.67E-04	5.36E-04	5.90E-04	6.48E-05	9.56E-05	5.64E-05	5.89E-05
2793	567041.7	4217206.32	6.34E-04	6.85E-04	5.50E-04	6.06E-04	6.65E-05	9.82E-05	5.79E-05	6.04E-05
2794	567018.23	4217201.12	6.75E-04	7.28E-04	5.85E-04	6.44E-04	7.07E-05	1.04E-04	6.16E-05	6.43E-05
2795	567006.5	4217198.52	6.98E-04	7.53E-04	6.05E-04	6.66E-04	7.32E-05	1.08E-04	6.37E-05	6.65E-05
2796	566994.77	4217195.92	7.23E-04	7.80E-04	6.27E-04	6.91E-04	7.58E-05	1.12E-04	6.60E-05	6.89E-05
2797	566983.03	4217193.32	7.51E-04	8.11E-04	6.52E-04	7.18E-04	7.88E-05	1.16E-04	6.86E-05	7.16E-05
2798	566971.3	4217190.72	7.81E-04	8.44E-04	6.78E-04	7.46E-04	8.20E-05	1.21E-04	7.14E-05	7.45E-05
2799	566947.83	4217185.52	8.44E-04	9.11E-04	7.32E-04	8.06E-04	8.85E-05	1.31E-04	7.71E-05	8.04E-05
2800	566936.09	4217182.92	8.75E-04	9.45E-04	7.60E-04	8.36E-04	9.18E-05	1.36E-04	8.00E-05	8.34E-05
2801	566924.36	4217180.32	9.06E-04	9.78E-04	7.86E-04	8.65E-04	9.50E-05	1.40E-04	8.28E-05	8.64E-05
2802	567101.05	4217199.43	7.04E-04	7.60E-04	6.11E-04	6.72E-04	7.38E-05	1.09E-04	6.43E-05	6.71E-05
2803	567090.59	4217205.19	6.52E-04	7.04E-04	5.66E-04	6.23E-04	6.84E-05	1.01E-04	5.96E-05	6.22E-05
2804	567080.12	4217210.95	6.12E-04	6.60E-04	5.31E-04	5.84E-04	6.42E-05	9.47E-05	5.59E-05	5.83E-05

2805	567069.66	4217216.71	5.79E-04	6.25E-04	5.02E-04	5.53E-04	6.07E-05	8.96E-05	5.29E-05	5.52E-05
2806	567058.79	4217219.69	5.64E-04	6.08E-04	4.89E-04	5.38E-04	5.91E-05	8.72E-05	5.15E-05	5.37E-05
2807	567047.13	4217217.11	5.77E-04	6.22E-04	5.00E-04	5.51E-04	6.05E-05	8.93E-05	5.27E-05	5.50E-05
2808	567023.81	4217211.94	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.43E-05	5.56E-05	5.81E-05
2809	567012.14	4217209.36	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.59E-05	9.72E-05	5.74E-05	5.99E-05
2810	567000.48	4217206.77	6.49E-04	7.00E-04	5.63E-04	6.20E-04	6.80E-05	1.00E-04	5.93E-05	6.18E-05
2811	566988.82	4217204.19	6.72E-04	7.25E-04	5.83E-04	6.41E-04	7.04E-05	1.04E-04	6.13E-05	6.40E-05
2812	566977.16	4217201.6	6.97E-04	7.52E-04	6.04E-04	6.66E-04	7.31E-05	1.08E-04	6.36E-05	6.64E-05
2813	566965.49	4217199.02	7.23E-04	7.81E-04	6.28E-04	6.91E-04	7.59E-05	1.12E-04	6.61E-05	6.89E-05
2814	566942.17	4217193.85	7.78E-04	8.40E-04	6.75E-04	7.43E-04	8.16E-05	1.20E-04	7.11E-05	7.42E-05
2815	566930.5	4217191.26	8.07E-04	8.71E-04	7.00E-04	7.70E-04	8.46E-05	1.25E-04	7.37E-05	7.69E-05
2816	566918.84	4217188.68	8.34E-04	9.01E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05
2817	567098.79	4217211.35	6.25E-04	6.74E-04	5.42E-04	5.97E-04	6.55E-05	9.67E-05	5.71E-05	5.96E-05
2818	567088.38	4217217.08	5.84E-04	6.31E-04	5.07E-04	5.58E-04	6.13E-05	9.05E-05	5.34E-05	5.57E-05
2819	567077.98	4217222.81	5.52E-04	5.96E-04	4.79E-04	5.27E-04	5.79E-05	8.55E-05	5.04E-05	5.26E-05
2820	567067.57	4217228.54	5.25E-04	5.67E-04	4.56E-04	5.02E-04	5.51E-05	8.13E-05	4.80E-05	5.01E-05
2821	567056.37	4217228.74	5.24E-04	5.66E-04	4.55E-04	5.01E-04	5.50E-05	8.11E-05	4.79E-05	5.00E-05
2822	567044.77	4217226.17	5.36E-04	5.78E-04	4.65E-04	5.12E-04	5.62E-05	8.29E-05	4.89E-05	5.11E-05
2823	567021.58	4217221.03	5.64E-04	6.09E-04	4.89E-04	5.39E-04	5.91E-05	8.73E-05	5.15E-05	5.37E-05
2824	567009.98	4217218.46	5.80E-04	6.27E-04	5.04E-04	5.54E-04	6.09E-05	8.98E-05	5.30E-05	5.53E-05
2825	566998.38	4217215.89	5.99E-04	6.46E-04	5.19E-04	5.72E-04	6.28E-05	9.27E-05	5.47E-05	5.71E-05
2826	566986.78	4217213.32	6.18E-04	6.68E-04	5.37E-04	5.91E-04	6.49E-05	9.57E-05	5.65E-05	5.89E-05
2827	566975.18	4217210.75	6.40E-04	6.91E-04	5.55E-04	6.12E-04	6.71E-05	9.91E-05	5.85E-05	6.10E-05
2828	566940.39	4217203.04	7.12E-04	7.68E-04	6.17E-04	6.80E-04	7.46E-05	1.10E-04	6.50E-05	6.78E-05
2829	566928.79	4217200.47	7.37E-04	7.95E-04	6.39E-04	7.04E-04	7.73E-05	1.14E-04	6.73E-05	7.02E-05
2830	566917.19	4217197.9	7.63E-04	8.23E-04	6.62E-04	7.29E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
2831	567097.32	4217222.84	5.63E-04	6.07E-04	4.88E-04	5.37E-04	5.90E-05	8.71E-05	5.14E-05	5.36E-05
2832	567086.72	4217228.68	5.29E-04	5.71E-04	4.59E-04	5.06E-04	5.55E-05	8.19E-05	4.84E-05	5.05E-05
2833	567076.12	4217234.52	5.02E-04	5.42E-04	4.36E-04	4.80E-04	5.27E-05	7.78E-05	4.59E-05	4.79E-05
2834	567061.59	4217239.48	4.83E-04	5.21E-04	4.19E-04	4.61E-04	5.06E-05	7.47E-05	4.41E-05	4.60E-05
2835	567049.77	4217236.86	4.93E-04	5.32E-04	4.27E-04	4.71E-04	5.17E-05	7.63E-05	4.50E-05	4.70E-05
2836	567026.14	4217231.63	5.16E-04	5.57E-04	4.48E-04	4.93E-04	5.41E-05	7.99E-05	4.71E-05	4.92E-05
2837	567014.33	4217229.01	5.30E-04	5.72E-04	4.60E-04	5.06E-04	5.56E-05	8.21E-05	4.84E-05	5.05E-05
2838	567002.52	4217226.39	5.46E-04	5.89E-04	4.74E-04	5.21E-04	5.72E-05	8.45E-05	4.99E-05	5.20E-05
2839	566990.7	4217223.77	5.63E-04	6.07E-04	4.88E-04	5.37E-04	5.90E-05	8.71E-05	5.14E-05	5.36E-05
2840	566978.89	4217221.15	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.09E-05	8.99E-05	5.31E-05	5.54E-05
2841	566967.07	4217218.54	6.01E-04	6.49E-04	5.21E-04	5.74E-04	6.30E-05	9.30E-05	5.49E-05	5.73E-05
2842	566943.44	4217213.3	6.44E-04	6.95E-04	5.59E-04	6.15E-04	6.75E-05	9.97E-05	5.88E-05	6.14E-05
2843	566931.63	4217210.68	6.67E-04	7.20E-04	5.79E-04	6.37E-04	6.99E-05	1.03E-04	6.09E-05	6.36E-05
2844	566919.82	4217208.06	6.91E-04	7.46E-04	5.99E-04	6.60E-04	7.25E-05	1.07E-04	6.31E-05	6.58E-05
2845	566908	4217205.44	7.15E-04	7.72E-04	6.20E-04	6.83E-04	7.50E-05	1.11E-04	6.53E-05	6.81E-05
2846	567091.54	4217236.71	4.99E-04	5.38E-04	4.33E-04	4.76E-04	5.23E-05	7.72E-05	4.55E-05	4.75E-05
2847	567081	4217242.51	4.74E-04	5.11E-04	4.11E-04	4.52E-04	4.97E-05	7.33E-05	4.33E-05	4.51E-05
2848	567070.46	4217248.32	4.52E-04	4.88E-04	3.92E-04	4.32E-04	4.74E-05	7.00E-05	4.13E-05	4.31E-05
2849	567059.11	4217248.52	4.51E-04	4.87E-04	3.92E-04	4.31E-04	4.73E-05	6.99E-05	4.12E-05	4.30E-05
2850	567047.37	4217245.91	4.61E-04	4.97E-04	4.00E-04	4.40E-04	4.83E-05	7.13E-05	4.21E-05	4.39E-05
2851	567023.87	4217240.71	4.82E-04	5.20E-04	4.18E-04	4.60E-04	5.05E-05	7.46E-05	4.40E-05	4.59E-05
2852	567012.13	4217238.1	4.94E-04	5.34E-04	4.29E-04	4.72E-04	5.18E-05	7.65E-05	4.52E-05	4.71E-05
2853	567000.38	4217235.5	5.08E-04	5.48E-04	4.41E-04	4.85E-04	5.33E-05	7.86E-05	4.64E-05	4.84E-05
2854	566988.63	4217232.9	5.23E-04	5.64E-04	4.53E-04	4.99E-04	5.48E-05	8.09E-05	4.77E-05	4.98E-05
2855	566976.89	4217230.29	5.38E-04	5.81E-04	4.67E-04	5.14E-04	5.65E-05	8.33E-05	4.92E-05	5.13E-05
2856	566965.14	4217227.69	5.55E-04	6.00E-04	4.82E-04	5.31E-04	5.83E-05	8.60E-05	5.07E-05	5.29E-05
2857	566941.64	4217222.48	5.94E-04	6.41E-04	5.15E-04	5.67E-04	6.23E-05	9.19E-05	5.42E-05	5.66E-05
2858	566929.9	4217219.88	6.14E-04	6.63E-04	5.33E-04	5.87E-04	6.44E-05	9.51E-05	5.61E-05	5.85E-05

2859	566918.15	4217217.28	6.36E-04	6.86E-04	5.52E-04	6.07E-04	6.67E-05	9.84E-05	5.81E-05	6.06E-05
2860	566906.4	4217214.67	6.58E-04	7.10E-04	5.71E-04	6.28E-04	6.90E-05	1.02E-04	6.01E-05	6.27E-05
2861	567089.34	4217248.6	4.55E-04	4.91E-04	3.94E-04	4.34E-04	4.77E-05	7.04E-05	4.15E-05	4.33E-05
2862	567078.85	4217254.38	4.34E-04	4.68E-04	3.77E-04	4.15E-04	4.55E-05	6.72E-05	3.96E-05	4.14E-05
2863	567064.47	4217259.29	4.18E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.82E-05	3.99E-05
2864	567052.79	4217256.7	4.26E-04	4.60E-04	3.70E-04	4.07E-04	4.47E-05	6.60E-05	3.89E-05	4.06E-05
2865	567041.1	4217254.11	4.35E-04	4.70E-04	3.77E-04	4.16E-04	4.56E-05	6.73E-05	3.97E-05	4.15E-05
2866	567017.73	4217248.93	4.55E-04	4.91E-04	3.95E-04	4.35E-04	4.77E-05	7.04E-05	4.16E-05	4.34E-05
2867	567006.04	4217246.34	4.66E-04	5.03E-04	4.05E-04	4.45E-04	4.89E-05	7.22E-05	4.26E-05	4.44E-05
2868	566994.36	4217243.75	4.79E-04	5.17E-04	4.15E-04	4.57E-04	5.02E-05	7.41E-05	4.37E-05	4.56E-05
2869	566982.67	4217241.16	4.92E-04	5.31E-04	4.26E-04	4.69E-04	5.16E-05	7.61E-05	4.49E-05	4.68E-05
2870	566970.99	4217238.57	5.05E-04	5.46E-04	4.38E-04	4.83E-04	5.30E-05	7.82E-05	4.62E-05	4.82E-05
2871	566947.61	4217233.39	5.37E-04	5.80E-04	4.66E-04	5.13E-04	5.64E-05	8.32E-05	4.91E-05	5.12E-05
2872	566935.93	4217230.8	5.55E-04	5.99E-04	4.82E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
2873	566924.24	4217228.21	5.74E-04	6.20E-04	4.98E-04	5.48E-04	6.02E-05	8.88E-05	5.24E-05	5.47E-05
2874	566912.56	4217225.62	5.94E-04	6.41E-04	5.15E-04	5.67E-04	6.23E-05	9.19E-05	5.42E-05	5.66E-05
2875	566900.87	4217223.03	6.14E-04	6.62E-04	5.32E-04	5.86E-04	6.44E-05	9.50E-05	5.60E-05	5.85E-05
2876	567087.18	4217260.47	4.17E-04	4.50E-04	3.62E-04	3.98E-04	4.37E-05	6.46E-05	3.81E-05	3.98E-05
2877	567076.74	4217266.22	4.00E-04	4.31E-04	3.47E-04	3.82E-04	4.19E-05	6.19E-05	3.65E-05	3.81E-05
2878	567065.91	4217269.19	3.91E-04	4.23E-04	3.40E-04	3.74E-04	4.11E-05	6.06E-05	3.58E-05	3.73E-05
2879	567054.28	4217266.61	3.98E-04	4.30E-04	3.46E-04	3.81E-04	4.18E-05	6.17E-05	3.64E-05	3.80E-05
2880	567042.65	4217264.03	4.06E-04	4.39E-04	3.53E-04	3.88E-04	4.26E-05	6.29E-05	3.71E-05	3.87E-05
2881	567019.39	4217258.88	4.24E-04	4.58E-04	3.68E-04	4.05E-04	4.45E-05	6.56E-05	3.87E-05	4.04E-05
2882	567007.76	4217256.3	4.34E-04	4.68E-04	3.76E-04	4.14E-04	4.55E-05	6.72E-05	3.96E-05	4.14E-05
2883	566996.13	4217253.73	4.44E-04	4.80E-04	3.86E-04	4.25E-04	4.66E-05	6.88E-05	4.06E-05	4.24E-05
2884	566984.51	4217251.15	4.55E-04	4.92E-04	3.95E-04	4.35E-04	4.78E-05	7.05E-05	4.16E-05	4.34E-05
2885	566972.88	4217248.57	4.67E-04	5.04E-04	4.05E-04	4.46E-04	4.90E-05	7.23E-05	4.27E-05	4.45E-05
2886	566937.99	4217240.84	5.10E-04	5.50E-04	4.42E-04	4.87E-04	5.35E-05	7.89E-05	4.66E-05	4.86E-05
2887	566926.36	4217238.26	5.26E-04	5.68E-04	4.57E-04	5.03E-04	5.52E-05	8.15E-05	4.81E-05	5.02E-05
2888	566914.73	4217235.69	5.44E-04	5.87E-04	4.72E-04	5.19E-04	5.70E-05	8.41E-05	4.96E-05	5.18E-05
2889	566903.1	4217233.11	5.61E-04	6.06E-04	4.87E-04	5.36E-04	5.89E-05	8.69E-05	5.13E-05	5.35E-05
2890	566891.47	4217230.53	5.80E-04	6.26E-04	5.03E-04	5.54E-04	6.08E-05	8.98E-05	5.30E-05	5.53E-05
2891	567016.08	4217267.73	4.00E-04	4.32E-04	3.47E-04	3.82E-04	4.20E-05	6.19E-05	3.65E-05	3.81E-05
2892	567004.26	4217265.11	4.09E-04	4.42E-04	3.55E-04	3.91E-04	4.29E-05	6.33E-05	3.74E-05	3.90E-05
2893	566992.45	4217262.49	4.19E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.83E-05	3.99E-05
2894	566980.63	4217259.87	4.29E-04	4.63E-04	3.72E-04	4.09E-04	4.50E-05	6.63E-05	3.92E-05	4.09E-05
2895	566968.82	4217257.26	4.39E-04	4.74E-04	3.81E-04	4.20E-04	4.61E-05	6.80E-05	4.01E-05	4.19E-05
2896	566945.19	4217252.02	4.64E-04	5.01E-04	4.03E-04	4.43E-04	4.87E-05	7.19E-05	4.24E-05	4.42E-05
2897	566933.38	4217249.4	4.78E-04	5.16E-04	4.15E-04	4.57E-04	5.02E-05	7.40E-05	4.37E-05	4.56E-05
2898	566921.56	4217246.78	4.93E-04	5.33E-04	4.28E-04	4.71E-04	5.17E-05	7.64E-05	4.51E-05	4.70E-05
2899	566909.75	4217244.17	5.09E-04	5.50E-04	4.42E-04	4.86E-04	5.34E-05	7.88E-05	4.65E-05	4.85E-05
2900	566897.94	4217241.55	5.26E-04	5.68E-04	4.56E-04	5.02E-04	5.52E-05	8.14E-05	4.80E-05	5.01E-05
2901	566974.66	4217268.13	4.06E-04	4.38E-04	3.52E-04	3.88E-04	4.26E-05	6.28E-05	3.71E-05	3.87E-05
2902	566962.91	4217265.53	4.16E-04	4.49E-04	3.61E-04	3.97E-04	4.36E-05	6.43E-05	3.80E-05	3.96E-05
2903	566939.39	4217260.32	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.78E-05	4.00E-05	4.18E-05
2904	566927.64	4217257.71	4.51E-04	4.87E-04	3.91E-04	4.31E-04	4.73E-05	6.98E-05	4.12E-05	4.30E-05
2905	566915.88	4217255.11	4.65E-04	5.01E-04	4.03E-04	4.44E-04	4.87E-05	7.19E-05	4.24E-05	4.43E-05
2906	566904.13	4217252.5	4.79E-04	5.17E-04	4.16E-04	4.58E-04	5.02E-05	7.41E-05	4.38E-05	4.57E-05
2907	566892.37	4217249.9	4.94E-04	5.33E-04	4.29E-04	4.72E-04	5.18E-05	7.65E-05	4.51E-05	4.71E-05
2908	567088.05	4217292.03	3.39E-04	3.66E-04	2.94E-04	3.24E-04	3.56E-05	5.25E-05	3.10E-05	3.23E-05
2909	567077.55	4217297.82	3.27E-04	3.53E-04	2.84E-04	3.12E-04	3.43E-05	5.06E-05	2.99E-05	3.12E-05
2910	567066.25	4217298.01	3.27E-04	3.53E-04	2.84E-04	3.12E-04	3.43E-05	5.06E-05	2.99E-05	3.12E-05
2911	567054.55	4217295.42	3.33E-04	3.59E-04	2.89E-04	3.18E-04	3.49E-05	5.15E-05	3.04E-05	3.17E-05
2912	567042.85	4217292.83	3.39E-04	3.66E-04	2.94E-04	3.24E-04	3.56E-05	5.25E-05	3.10E-05	3.23E-05

2913	566925.82	4217266.89	4.22E-04	4.56E-04	3.66E-04	4.03E-04	4.43E-05	6.53E-05	3.85E-05	4.02E-05
2914	566914.12	4217264.3	4.34E-04	4.69E-04	3.77E-04	4.15E-04	4.55E-05	6.72E-05	3.97E-05	4.14E-05
2915	566902.41	4217261.71	4.47E-04	4.83E-04	3.88E-04	4.27E-04	4.69E-05	6.92E-05	4.08E-05	4.26E-05
2916	566890.71	4217259.11	4.61E-04	4.97E-04	4.00E-04	4.40E-04	4.83E-05	7.13E-05	4.21E-05	4.39E-05
2917	567092.9	4217300.05	3.23E-04	3.49E-04	2.81E-04	3.09E-04	3.39E-05	5.00E-05	2.95E-05	3.08E-05
2918	567082.44	4217305.8	3.12E-04	3.37E-04	2.71E-04	2.98E-04	3.27E-05	4.83E-05	2.85E-05	2.98E-05
2919	567071.59	4217308.78	3.07E-04	3.31E-04	2.66E-04	2.93E-04	3.22E-05	4.75E-05	2.81E-05	2.93E-05
2920	567059.94	4217306.2	3.12E-04	3.37E-04	2.71E-04	2.98E-04	3.28E-05	4.83E-05	2.85E-05	2.98E-05
2921	567048.28	4217303.62	3.18E-04	3.43E-04	2.76E-04	3.04E-04	3.33E-05	4.92E-05	2.90E-05	3.03E-05
2922	567024.98	4217298.45	3.30E-04	3.56E-04	2.86E-04	3.15E-04	3.46E-05	5.11E-05	3.01E-05	3.15E-05
2923	567013.32	4217295.87	3.36E-04	3.63E-04	2.92E-04	3.21E-04	3.52E-05	5.20E-05	3.07E-05	3.20E-05
2924	567001.67	4217293.29	3.42E-04	3.69E-04	2.97E-04	3.27E-04	3.59E-05	5.30E-05	3.13E-05	3.26E-05
2925	566896.79	4217270.05	4.22E-04	4.56E-04	3.66E-04	4.03E-04	4.43E-05	6.53E-05	3.86E-05	4.02E-05
2926	566873.49	4217264.88	4.48E-04	4.83E-04	3.89E-04	4.28E-04	4.70E-05	6.93E-05	4.09E-05	4.27E-05
2927	566984.36	4217075.23	3.61E-03	3.90E-03	3.13E-03	3.45E-03	3.79E-04	5.59E-04	3.30E-04	3.44E-04
2928	566921.49	4217140.18	1.40E-03	1.51E-03	1.21E-03	1.34E-03	1.47E-04	2.16E-04	1.28E-04	1.33E-04
2929	566915.24	4217147.99	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2930	566908.99	4217155.79	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2931	566871.81	4217215.7	6.69E-04	7.22E-04	5.80E-04	6.39E-04	7.01E-05	1.04E-04	6.11E-05	6.37E-05
2932	566865.55	4217223.5	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.58E-05	9.72E-05	5.73E-05	5.98E-05
2933	566941.1	4216986.91	7.15E-03	7.72E-03	6.20E-03	6.83E-03	7.50E-04	1.11E-03	6.53E-04	6.81E-04
2934	567105.11	4217057.3	1.44E-02	1.55E-02	1.25E-02	1.38E-02	1.51E-03	2.23E-03	1.32E-03	1.37E-03
2935	567123.77	4217062.54	1.38E-02	1.49E-02	1.19E-02	1.32E-02	1.44E-03	2.13E-03	1.26E-03	1.31E-03
2936	567133.1	4217065.16	1.33E-02	1.44E-02	1.15E-02	1.27E-02	1.40E-03	2.06E-03	1.21E-03	1.27E-03
2937	567121.07	4217072.17	9.06E-03	9.78E-03	7.86E-03	8.66E-03	9.50E-04	1.40E-03	8.28E-04	8.64E-04
2938	567130.4	4217074.79	8.99E-03	9.70E-03	7.80E-03	8.59E-03	9.43E-04	1.39E-03	8.21E-04	8.57E-04
2939	566971.93	4217095.26	2.60E-03	2.81E-03	2.26E-03	2.49E-03	2.73E-04	4.03E-04	2.38E-04	2.48E-04
2940	566934.25	4217088.37	2.60E-03	2.80E-03	2.25E-03	2.48E-03	2.72E-04	4.02E-04	2.37E-04	2.47E-04
2941	566937.86	4217114.93	1.90E-03	2.05E-03	1.65E-03	1.81E-03	1.99E-04	2.94E-04	1.74E-04	1.81E-04
2942	566923.51	4217103.3	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.28E-04	1.94E-04	2.02E-04
2943	566892.71	4216996.09	4.34E-03	4.68E-03	3.76E-03	4.14E-03	4.55E-04	6.72E-04	3.96E-04	4.14E-04
2944	566874.6	4217000.12	3.72E-03	4.01E-03	3.22E-03	3.55E-03	3.90E-04	5.75E-04	3.39E-04	3.54E-04
2945	566828.79	4217003.34	2.70E-03	2.91E-03	2.34E-03	2.58E-03	2.83E-04	4.18E-04	2.47E-04	2.57E-04
2946	566887.02	4217191.93	8.22E-04	8.87E-04	7.13E-04	7.85E-04	8.62E-05	1.27E-04	7.51E-05	7.83E-05
2947	566872.25	4217179.96	9.21E-04	9.94E-04	7.99E-04	8.80E-04	9.66E-05	1.43E-04	8.41E-05	8.78E-05
2948	566801.76	4217011.12	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
2949	567053.43	4217312.85	3.01E-04	3.25E-04	2.61E-04	2.88E-04	3.16E-05	4.66E-05	2.75E-05	2.87E-05
2950	567062.76	4217315.47	2.96E-04	3.20E-04	2.57E-04	2.83E-04	3.11E-05	4.58E-05	2.71E-05	2.82E-05
2951	567072.09	4217318.09	2.91E-04	3.15E-04	2.53E-04	2.78E-04	3.06E-05	4.51E-05	2.66E-05	2.78E-05
2952	566852.55	4217211.27	7.01E-04	7.57E-04	6.08E-04	6.70E-04	7.35E-05	1.09E-04	6.40E-05	6.68E-05
2953	566966.74	4217298.87	3.35E-04	3.61E-04	2.90E-04	3.20E-04	3.51E-05	5.18E-05	3.06E-05	3.19E-05
2954	566976.07	4217301.49	3.29E-04	3.55E-04	2.85E-04	3.14E-04	3.45E-05	5.09E-05	3.00E-05	3.13E-05
2955	566985.4	4217304.12	3.23E-04	3.48E-04	2.80E-04	3.08E-04	3.38E-05	4.99E-05	2.95E-05	3.08E-05
2956	566994.73	4217306.74	3.17E-04	3.42E-04	2.75E-04	3.03E-04	3.33E-05	4.91E-05	2.90E-05	3.02E-05
2957	567004.06	4217309.36	3.12E-04	3.36E-04	2.70E-04	2.98E-04	3.27E-05	4.82E-05	2.85E-05	2.97E-05
2958	567013.4	4217311.98	3.06E-04	3.31E-04	2.66E-04	2.93E-04	3.21E-05	4.74E-05	2.80E-05	2.92E-05
2959	567022.73	4217314.61	3.01E-04	3.25E-04	2.61E-04	2.88E-04	3.16E-05	4.66E-05	2.75E-05	2.87E-05
2960	567041.39	4217319.85	2.91E-04	3.14E-04	2.52E-04	2.78E-04	3.05E-05	4.50E-05	2.66E-05	2.77E-05
2961	567050.72	4217322.47	2.86E-04	3.09E-04	2.48E-04	2.73E-04	3.00E-05	4.43E-05	2.61E-05	2.72E-05
2962	567060.05	4217325.1	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
2963	567069.39	4217327.72	2.77E-04	2.99E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.53E-05	2.64E-05
2964	566947.27	4217299.85	3.35E-04	3.62E-04	2.91E-04	3.20E-04	3.51E-05	5.19E-05	3.06E-05	3.19E-05
2965	566939.83	4217293.83	3.49E-04	3.77E-04	3.03E-04	3.33E-04	3.66E-05	5.40E-05	3.19E-05	3.33E-05
2966	566765.45	4217018.17	1.85E-03	1.99E-03	1.60E-03	1.76E-03	1.94E-04	2.86E-04	1.69E-04	1.76E-04

2967	566964.03	4217308.5	3.17E-04	3.42E-04	2.75E-04	3.03E-04	3.32E-05	4.90E-05	2.89E-05	3.02E-05
2968	566973.36	4217311.12	3.11E-04	3.36E-04	2.70E-04	2.97E-04	3.26E-05	4.82E-05	2.84E-05	2.97E-05
2969	566982.7	4217313.74	3.06E-04	3.30E-04	2.65E-04	2.92E-04	3.21E-05	4.74E-05	2.79E-05	2.92E-05
2970	566992.03	4217316.36	3.01E-04	3.25E-04	2.61E-04	2.87E-04	3.15E-05	4.66E-05	2.75E-05	2.87E-05
2971	567001.36	4217318.99	2.96E-04	3.19E-04	2.57E-04	2.83E-04	3.10E-05	4.58E-05	2.70E-05	2.82E-05
2972	567010.69	4217321.61	2.91E-04	3.14E-04	2.52E-04	2.78E-04	3.05E-05	4.50E-05	2.66E-05	2.77E-05
2973	567020.02	4217324.23	2.86E-04	3.09E-04	2.48E-04	2.73E-04	3.00E-05	4.43E-05	2.61E-05	2.73E-05
2974	567038.69	4217329.48	2.77E-04	2.99E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.53E-05	2.64E-05
2975	567048.02	4217332.1	2.72E-04	2.94E-04	2.36E-04	2.60E-04	2.85E-05	4.21E-05	2.48E-05	2.59E-05
2976	567057.35	4217334.72	2.68E-04	2.89E-04	2.32E-04	2.56E-04	2.81E-05	4.14E-05	2.44E-05	2.55E-05
2977	567066.68	4217337.34	2.63E-04	2.84E-04	2.29E-04	2.52E-04	2.76E-05	4.08E-05	2.41E-05	2.51E-05
2978	566944.61	4217309.52	3.17E-04	3.42E-04	2.75E-04	3.02E-04	3.32E-05	4.90E-05	2.89E-05	3.02E-05
2979	566937.23	4217303.54	3.29E-04	3.55E-04	2.85E-04	3.14E-04	3.45E-05	5.09E-05	3.00E-05	3.14E-05
2980	566929.85	4217297.55	3.42E-04	3.70E-04	2.97E-04	3.27E-04	3.59E-05	5.30E-05	3.13E-05	3.26E-05
2981	566870.79	4217249.69	5.05E-04	5.45E-04	4.38E-04	4.82E-04	5.29E-05	7.81E-05	4.61E-05	4.81E-05
2982	566970.66	4217320.75	2.95E-04	3.19E-04	2.56E-04	2.82E-04	3.10E-05	4.57E-05	2.70E-05	2.81E-05
2983	566979.99	4217323.37	2.91E-04	3.14E-04	2.52E-04	2.78E-04	3.05E-05	4.50E-05	2.65E-05	2.77E-05
2984	566989.32	4217325.99	2.86E-04	3.09E-04	2.48E-04	2.73E-04	3.00E-05	4.43E-05	2.61E-05	2.72E-05
2985	566998.65	4217328.61	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
2986	567007.98	4217331.24	2.77E-04	2.99E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.53E-05	2.64E-05
2987	567017.32	4217333.86	2.72E-04	2.94E-04	2.36E-04	2.60E-04	2.86E-05	4.22E-05	2.49E-05	2.60E-05
2988	567026.65	4217336.48	2.68E-04	2.89E-04	2.32E-04	2.56E-04	2.81E-05	4.15E-05	2.45E-05	2.55E-05
2989	567045.31	4217341.73	2.59E-04	2.80E-04	2.25E-04	2.48E-04	2.72E-05	4.01E-05	2.37E-05	2.47E-05
2990	567054.64	4217344.35	2.55E-04	2.75E-04	2.21E-04	2.44E-04	2.67E-05	3.95E-05	2.33E-05	2.43E-05
2991	567063.97	4217346.97	2.51E-04	2.71E-04	2.18E-04	2.40E-04	2.63E-05	3.89E-05	2.29E-05	2.39E-05
2992	566941.95	4217319.18	3.00E-04	3.23E-04	2.60E-04	2.86E-04	3.14E-05	4.64E-05	2.74E-05	2.86E-05
2993	566934.62	4217313.24	3.11E-04	3.35E-04	2.70E-04	2.97E-04	3.26E-05	4.81E-05	2.84E-05	2.96E-05
2994	566927.28	4217307.29	3.23E-04	3.48E-04	2.80E-04	3.08E-04	3.38E-05	4.99E-05	2.95E-05	3.08E-05
2995	566919.95	4217301.35	3.36E-04	3.62E-04	2.91E-04	3.21E-04	3.52E-05	5.20E-05	3.07E-05	3.20E-05
2996	566912.61	4217295.41	3.50E-04	3.78E-04	3.04E-04	3.34E-04	3.67E-05	5.42E-05	3.20E-05	3.33E-05
2997	566773.24	4217182.46	8.49E-04	9.16E-04	7.36E-04	8.11E-04	8.90E-05	1.31E-04	7.75E-05	8.09E-05
2998	566765.91	4217176.51	8.75E-04	9.45E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	8.00E-05	8.34E-05
2999	566757.86	4217161.15	9.52E-04	1.03E-03	8.26E-04	9.09E-04	9.99E-05	1.47E-04	8.70E-05	9.07E-05
3000	566949.29	4217325.13	2.90E-04	3.13E-04	2.51E-04	2.77E-04	3.04E-05	4.48E-05	2.64E-05	2.76E-05
3001	566967.95	4217330.37	2.81E-04	3.03E-04	2.44E-04	2.68E-04	2.94E-05	4.34E-05	2.56E-05	2.68E-05
3002	566977.28	4217333	2.76E-04	2.98E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.52E-05	2.63E-05
3003	566986.62	4217335.62	2.72E-04	2.94E-04	2.36E-04	2.60E-04	2.85E-05	4.21E-05	2.49E-05	2.59E-05
3004	566995.95	4217338.24	2.68E-04	2.89E-04	2.33E-04	2.56E-04	2.81E-05	4.15E-05	2.45E-05	2.55E-05
3005	567005.28	4217340.86	2.64E-04	2.85E-04	2.29E-04	2.52E-04	2.77E-05	4.08E-05	2.41E-05	2.51E-05
3006	567014.61	4217343.49	2.60E-04	2.80E-04	2.25E-04	2.48E-04	2.72E-05	4.02E-05	2.37E-05	2.48E-05
3007	567023.94	4217346.11	2.56E-04	2.76E-04	2.22E-04	2.44E-04	2.68E-05	3.96E-05	2.33E-05	2.44E-05
3008	567042.61	4217351.35	2.47E-04	2.67E-04	2.15E-04	2.36E-04	2.60E-05	3.83E-05	2.26E-05	2.36E-05
3009	567051.94	4217353.98	2.43E-04	2.63E-04	2.11E-04	2.33E-04	2.55E-05	3.77E-05	2.22E-05	2.32E-05
3010	567061.27	4217356.6	2.40E-04	2.59E-04	2.08E-04	2.29E-04	2.51E-05	3.71E-05	2.19E-05	2.29E-05
3011	567279.1	4217261.6	8.80E-04	9.49E-04	7.63E-04	8.40E-04	9.23E-05	1.36E-04	8.03E-05	8.38E-05
3012	567122.82	4217293.39	3.43E-04	3.71E-04	2.98E-04	3.28E-04	3.60E-05	5.32E-05	3.14E-05	3.27E-05
3013	567289.51	4217263.28	9.04E-04	9.76E-04	7.85E-04	8.64E-04	9.48E-05	1.40E-04	8.26E-05	8.62E-05
3014	567218.76	4217291.17	4.75E-04	5.13E-04	4.12E-04	4.54E-04	4.99E-05	7.36E-05	4.34E-05	4.53E-05
3015	567209.76	4217292.25	4.50E-04	4.86E-04	3.91E-04	4.30E-04	4.72E-05	6.97E-05	4.11E-05	4.29E-05
3016	567200.77	4217293.34	4.28E-04	4.61E-04	3.71E-04	4.08E-04	4.48E-05	6.62E-05	3.90E-05	4.07E-05
3017	567191.77	4217294.42	4.07E-04	4.40E-04	3.53E-04	3.89E-04	4.27E-05	6.31E-05	3.72E-05	3.88E-05
3018	567173.77	4217296.58	3.74E-04	4.04E-04	3.25E-04	3.58E-04	3.93E-05	5.80E-05	3.42E-05	3.57E-05
3019	567164.77	4217297.66	3.61E-04	3.90E-04	3.14E-04	3.45E-04	3.79E-05	5.59E-05	3.30E-05	3.45E-05
3020	567155.78	4217298.74	3.50E-04	3.78E-04	3.04E-04	3.35E-04	3.67E-05	5.42E-05	3.20E-05	3.34E-05

3021	567146.78	4217299.82	3.41E-04	3.68E-04	2.96E-04	3.26E-04	3.58E-05	5.28E-05	3.12E-05	3.25E-05
3022	567137.78	4217300.9	3.33E-04	3.60E-04	2.89E-04	3.18E-04	3.50E-05	5.16E-05	3.05E-05	3.18E-05
3023	567119.79	4217303.06	3.22E-04	3.48E-04	2.79E-04	3.08E-04	3.38E-05	4.98E-05	2.94E-05	3.07E-05
3024	567305.4	4217257.97	1.01E-03	1.09E-03	8.80E-04	9.69E-04	1.06E-04	1.57E-04	9.26E-05	9.67E-05
3025	567268.72	4217294.48	5.97E-04	6.45E-04	5.18E-04	5.71E-04	6.27E-05	9.25E-05	5.46E-05	5.69E-05
3026	567250.84	4217296.62	5.34E-04	5.76E-04	4.63E-04	5.10E-04	5.60E-05	8.26E-05	4.87E-05	5.09E-05
3027	567232.97	4217298.77	4.76E-04	5.14E-04	4.13E-04	4.55E-04	5.00E-05	7.37E-05	4.35E-05	4.54E-05
3028	567215.09	4217300.92	4.28E-04	4.62E-04	3.71E-04	4.08E-04	4.48E-05	6.62E-05	3.91E-05	4.08E-05
3029	567197.22	4217303.06	3.88E-04	4.19E-04	3.37E-04	3.71E-04	4.07E-05	6.00E-05	3.54E-05	3.70E-05
3030	567179.34	4217305.21	3.57E-04	3.85E-04	3.10E-04	3.41E-04	3.75E-05	5.53E-05	3.26E-05	3.40E-05
3031	567170.4	4217306.28	3.45E-04	3.72E-04	2.99E-04	3.29E-04	3.62E-05	5.34E-05	3.15E-05	3.29E-05
3032	567152.53	4217308.43	3.25E-04	3.51E-04	2.82E-04	3.11E-04	3.41E-05	5.04E-05	2.97E-05	3.10E-05
3033	567134.65	4217310.58	3.12E-04	3.37E-04	2.71E-04	2.98E-04	3.27E-05	4.83E-05	2.85E-05	2.97E-05
3034	567116.78	4217312.72	3.03E-04	3.27E-04	2.63E-04	2.89E-04	3.18E-05	4.69E-05	2.77E-05	2.89E-05
3035	567089.97	4217315.94	2.95E-04	3.18E-04	2.56E-04	2.82E-04	3.09E-05	4.56E-05	2.69E-05	2.81E-05
3036	567317.1	4217258.02	1.05E-03	1.14E-03	9.13E-04	1.01E-03	1.10E-04	1.63E-04	9.61E-05	1.00E-04
3037	567311.34	4217265.37	9.62E-04	1.04E-03	8.34E-04	9.19E-04	1.01E-04	1.49E-04	8.78E-05	9.17E-05
3038	567288.32	4217294.77	6.55E-04	7.07E-04	5.69E-04	6.26E-04	6.87E-05	1.01E-04	5.99E-05	6.25E-05
3039	567273.3	4217303.23	5.62E-04	6.06E-04	4.87E-04	5.37E-04	5.89E-05	8.70E-05	5.13E-05	5.35E-05
3040	567254.76	4217305.46	5.01E-04	5.41E-04	4.34E-04	4.78E-04	5.25E-05	7.75E-05	4.57E-05	4.77E-05
3041	567245.49	4217306.57	4.73E-04	5.10E-04	4.10E-04	4.51E-04	4.96E-05	7.32E-05	4.32E-05	4.51E-05
3042	567236.22	4217307.68	4.46E-04	4.82E-04	3.87E-04	4.26E-04	4.68E-05	6.91E-05	4.08E-05	4.26E-05
3043	567226.95	4217308.79	4.22E-04	4.56E-04	3.66E-04	4.03E-04	4.43E-05	6.54E-05	3.86E-05	4.03E-05
3044	567217.68	4217309.91	4.01E-04	4.32E-04	3.47E-04	3.83E-04	4.20E-05	6.20E-05	3.66E-05	3.82E-05
3045	567208.42	4217311.02	3.81E-04	4.11E-04	3.31E-04	3.64E-04	4.00E-05	5.90E-05	3.48E-05	3.63E-05
3046	567199.15	4217312.13	3.64E-04	3.92E-04	3.15E-04	3.47E-04	3.81E-05	5.63E-05	3.32E-05	3.47E-05
3047	567171.34	4217315.47	3.24E-04	3.50E-04	2.81E-04	3.09E-04	3.40E-05	5.01E-05	2.96E-05	3.09E-05
3048	567162.07	4217316.59	3.14E-04	3.39E-04	2.73E-04	3.00E-04	3.30E-05	4.87E-05	2.87E-05	3.00E-05
3049	567152.8	4217317.7	3.06E-04	3.31E-04	2.66E-04	2.93E-04	3.21E-05	4.74E-05	2.80E-05	2.92E-05
3050	567143.53	4217318.81	3.00E-04	3.23E-04	2.60E-04	2.86E-04	3.14E-05	4.64E-05	2.74E-05	2.86E-05
3051	567134.27	4217319.93	2.94E-04	3.18E-04	2.55E-04	2.81E-04	3.09E-05	4.55E-05	2.69E-05	2.80E-05
3052	567125	4217321.04	2.90E-04	3.13E-04	2.51E-04	2.77E-04	3.04E-05	4.49E-05	2.65E-05	2.76E-05
3053	567115.73	4217322.15	2.86E-04	3.09E-04	2.48E-04	2.74E-04	3.00E-05	4.43E-05	2.62E-05	2.73E-05
3054	567097.19	4217324.38	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
3055	567087.92	4217325.49	2.80E-04	3.02E-04	2.43E-04	2.67E-04	2.93E-05	4.33E-05	2.55E-05	2.67E-05
3056	567078.65	4217326.6	2.78E-04	3.00E-04	2.41E-04	2.66E-04	2.92E-05	4.30E-05	2.54E-05	2.65E-05
3057	567401.72	4217164.92	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
3058	567384.58	4217186.81	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.96E-04	1.75E-04	1.83E-04
3059	567378.87	4217194.1	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.87E-04	1.69E-04	1.77E-04
3060	567373.16	4217201.4	1.78E-03	1.92E-03	1.55E-03	1.70E-03	1.87E-04	2.76E-04	1.63E-04	1.70E-04
3061	567367.45	4217208.69	1.70E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.62E-04
3062	567356.02	4217223.28	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.60E-04	2.37E-04	1.40E-04	1.46E-04
3063	567350.31	4217230.58	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
3064	567344.6	4217237.87	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
3065	567327.46	4217259.76	1.07E-03	1.15E-03	9.24E-04	1.02E-03	1.12E-04	1.65E-04	9.73E-05	1.02E-04
3066	567304.61	4217288.94	7.45E-04	8.04E-04	6.46E-04	7.11E-04	7.81E-05	1.15E-04	6.80E-05	7.10E-05
3067	567298.9	4217296.24	6.78E-04	7.32E-04	5.88E-04	6.47E-04	7.11E-05	1.05E-04	6.19E-05	6.46E-05
3068	567293.18	4217303.53	6.16E-04	6.65E-04	5.35E-04	5.89E-04	6.46E-05	9.54E-05	5.63E-05	5.87E-05
3069	567278.27	4217311.93	5.30E-04	5.73E-04	4.60E-04	5.07E-04	5.56E-05	8.21E-05	4.85E-05	5.06E-05
3070	567269.07	4217313.04	5.02E-04	5.42E-04	4.35E-04	4.79E-04	5.26E-05	7.77E-05	4.58E-05	4.78E-05
3071	567250.67	4217315.25	4.48E-04	4.84E-04	3.89E-04	4.28E-04	4.70E-05	6.94E-05	4.10E-05	4.27E-05
3072	567241.47	4217316.35	4.24E-04	4.58E-04	3.68E-04	4.05E-04	4.45E-05	6.57E-05	3.88E-05	4.04E-05
3073	567232.27	4217317.46	4.02E-04	4.34E-04	3.49E-04	3.84E-04	4.22E-05	6.22E-05	3.67E-05	3.83E-05
3074	567223.07	4217318.56	3.82E-04	4.12E-04	3.31E-04	3.65E-04	4.00E-05	5.91E-05	3.49E-05	3.64E-05

3075	567213.87	4217319.67	3.64E-04	3.92E-04	3.15E-04	3.47E-04	3.81E-05	5.63E-05	3.32E-05	3.47E-05
3076	567204.68	4217320.77	3.47E-04	3.75E-04	3.01E-04	3.32E-04	3.64E-05	5.38E-05	3.17E-05	3.31E-05
3077	567195.48	4217321.88	3.33E-04	3.59E-04	2.89E-04	3.18E-04	3.49E-05	5.15E-05	3.04E-05	3.17E-05
3078	567177.08	4217324.09	3.10E-04	3.35E-04	2.69E-04	2.96E-04	3.25E-05	4.80E-05	2.83E-05	2.95E-05
3079	567167.88	4217325.19	3.01E-04	3.25E-04	2.61E-04	2.87E-04	3.16E-05	4.66E-05	2.75E-05	2.87E-05
3080	567158.68	4217326.3	2.93E-04	3.16E-04	2.54E-04	2.80E-04	3.07E-05	4.54E-05	2.68E-05	2.79E-05
3081	567149.48	4217327.4	2.87E-04	3.09E-04	2.49E-04	2.74E-04	3.01E-05	4.44E-05	2.62E-05	2.73E-05
3082	567140.28	4217328.51	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
3083	567131.08	4217329.61	2.77E-04	2.99E-04	2.40E-04	2.65E-04	2.91E-05	4.29E-05	2.53E-05	2.64E-05
3084	567121.88	4217330.72	2.74E-04	2.95E-04	2.37E-04	2.61E-04	2.87E-05	4.24E-05	2.50E-05	2.61E-05
3085	567094.28	4217334.03	2.67E-04	2.88E-04	2.32E-04	2.55E-04	2.80E-05	4.13E-05	2.44E-05	2.55E-05
3086	567085.08	4217335.13	2.66E-04	2.87E-04	2.31E-04	2.54E-04	2.79E-05	4.11E-05	2.43E-05	2.53E-05
3087	567075.88	4217336.24	2.64E-04	2.85E-04	2.29E-04	2.53E-04	2.77E-05	4.09E-05	2.42E-05	2.52E-05
3088	567394.49	4217189.13	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.86E-04	1.69E-04	1.76E-04
3089	567388.82	4217196.38	1.80E-03	1.94E-03	1.56E-03	1.71E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04
3090	567383.15	4217203.62	1.73E-03	1.87E-03	1.50E-03	1.66E-03	1.82E-04	2.68E-04	1.58E-04	1.65E-04
3091	567377.48	4217210.87	1.66E-03	1.80E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.59E-04
3092	567371.8	4217218.11	1.59E-03	1.71E-03	1.38E-03	1.52E-03	1.66E-04	2.46E-04	1.45E-04	1.51E-04
3093	567366.13	4217225.36	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.33E-04	1.38E-04	1.44E-04
3094	567360.46	4217232.6	1.42E-03	1.53E-03	1.23E-03	1.36E-03	1.49E-04	2.20E-04	1.30E-04	1.35E-04
3095	567354.78	4217239.85	1.33E-03	1.44E-03	1.16E-03	1.27E-03	1.40E-04	2.07E-04	1.22E-04	1.27E-04
3096	567349.11	4217247.09	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
3097	567315.07	4217290.56	7.65E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.29E-05
3098	567309.4	4217297.81	6.98E-04	7.54E-04	6.06E-04	6.67E-04	7.32E-05	1.08E-04	6.38E-05	6.65E-05
3099	567298.05	4217312.3	5.80E-04	6.26E-04	5.03E-04	5.54E-04	6.09E-05	8.98E-05	5.30E-05	5.53E-05
3100	567283.24	4217320.64	5.02E-04	5.41E-04	4.35E-04	4.79E-04	5.26E-05	7.76E-05	4.58E-05	4.78E-05
3101	567274.11	4217321.74	4.75E-04	5.13E-04	4.12E-04	4.54E-04	4.98E-05	7.35E-05	4.34E-05	4.53E-05
3102	567246.7	4217325.03	4.04E-04	4.36E-04	3.50E-04	3.86E-04	4.24E-05	6.25E-05	3.69E-05	3.85E-05
3103	567237.56	4217326.12	3.83E-04	4.14E-04	3.32E-04	3.66E-04	4.02E-05	5.93E-05	3.50E-05	3.65E-05
3104	567228.43	4217327.22	3.64E-04	3.93E-04	3.16E-04	3.48E-04	3.82E-05	5.64E-05	3.33E-05	3.47E-05
3105	567219.29	4217328.32	3.47E-04	3.75E-04	3.01E-04	3.32E-04	3.64E-05	5.38E-05	3.17E-05	3.31E-05
3106	567210.15	4217329.42	3.32E-04	3.58E-04	2.88E-04	3.17E-04	3.48E-05	5.14E-05	3.03E-05	3.17E-05
3107	567201.02	4217330.51	3.19E-04	3.44E-04	2.76E-04	3.04E-04	3.34E-05	4.93E-05	2.91E-05	3.04E-05
3108	567191.88	4217331.61	3.07E-04	3.31E-04	2.66E-04	2.93E-04	3.22E-05	4.75E-05	2.80E-05	2.93E-05
3109	567173.61	4217333.81	2.88E-04	3.11E-04	2.50E-04	2.75E-04	3.02E-05	4.46E-05	2.63E-05	2.75E-05
3110	567164.47	4217334.9	2.81E-04	3.03E-04	2.44E-04	2.68E-04	2.94E-05	4.35E-05	2.56E-05	2.68E-05
3111	567155.34	4217336	2.75E-04	2.96E-04	2.38E-04	2.62E-04	2.88E-05	4.25E-05	2.51E-05	2.62E-05
3112	567146.2	4217337.1	2.69E-04	2.91E-04	2.34E-04	2.57E-04	2.83E-05	4.17E-05	2.46E-05	2.57E-05
3113	567137.06	4217338.19	2.65E-04	2.86E-04	2.30E-04	2.53E-04	2.78E-05	4.11E-05	2.42E-05	2.53E-05
3114	567127.93	4217339.29	2.62E-04	2.83E-04	2.27E-04	2.50E-04	2.75E-05	4.05E-05	2.39E-05	2.50E-05
3115	567118.79	4217340.39	2.59E-04	2.80E-04	2.25E-04	2.48E-04	2.72E-05	4.01E-05	2.37E-05	2.47E-05
3116	567100.52	4217342.58	2.55E-04	2.76E-04	2.22E-04	2.44E-04	2.68E-05	3.95E-05	2.33E-05	2.43E-05
3117	567091.38	4217343.68	2.54E-04	2.74E-04	2.20E-04	2.43E-04	2.66E-05	3.93E-05	2.32E-05	2.42E-05
3118	567082.25	4217344.78	2.53E-04	2.73E-04	2.19E-04	2.42E-04	2.65E-05	3.92E-05	2.31E-05	2.41E-05
3119	567073.11	4217345.87	2.52E-04	2.72E-04	2.19E-04	2.41E-04	2.64E-05	3.90E-05	2.30E-05	2.40E-05
3120	567398.75	4217198.68	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.82E-04	2.69E-04	1.59E-04	1.66E-04
3121	567393.11	4217205.88	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.60E-04
3122	567381.84	4217220.27	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
3123	567370.56	4217234.67	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
3124	567364.93	4217241.87	1.32E-03	1.43E-03	1.15E-03	1.26E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
3125	567353.65	4217256.27	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
3126	567325.47	4217292.26	7.82E-04	8.44E-04	6.78E-04	7.47E-04	8.20E-05	1.21E-04	7.14E-05	7.45E-05
3127	567319.83	4217299.46	7.16E-04	7.73E-04	6.22E-04	6.84E-04	7.51E-05	1.11E-04	6.54E-05	6.83E-05
3128	567308.56	4217313.86	5.99E-04	6.47E-04	5.20E-04	5.72E-04	6.28E-05	9.28E-05	5.47E-05	5.71E-05

3129	567288.21	4217329.34	4.75E-04	5.13E-04	4.12E-04	4.54E-04	4.98E-05	7.35E-05	4.34E-05	4.53E-05
3130	567279.13	4217330.43	4.51E-04	4.87E-04	3.91E-04	4.31E-04	4.73E-05	6.98E-05	4.12E-05	4.30E-05
3131	567270.06	4217331.52	4.27E-04	4.61E-04	3.71E-04	4.08E-04	4.48E-05	6.62E-05	3.90E-05	4.07E-05
3132	567251.9	4217333.71	3.85E-04	4.15E-04	3.34E-04	3.67E-04	4.03E-05	5.95E-05	3.51E-05	3.67E-05
3133	567242.82	4217334.8	3.66E-04	3.95E-04	3.17E-04	3.49E-04	3.83E-05	5.66E-05	3.34E-05	3.48E-05
3134	567233.74	4217335.89	3.48E-04	3.76E-04	3.02E-04	3.32E-04	3.65E-05	5.39E-05	3.18E-05	3.32E-05
3135	567224.67	4217336.98	3.32E-04	3.58E-04	2.88E-04	3.17E-04	3.48E-05	5.14E-05	3.03E-05	3.16E-05
3136	567215.59	4217338.07	3.18E-04	3.43E-04	2.76E-04	3.04E-04	3.33E-05	4.92E-05	2.90E-05	3.03E-05
3137	567206.51	4217339.16	3.05E-04	3.29E-04	2.65E-04	2.91E-04	3.20E-05	4.72E-05	2.79E-05	2.91E-05
3138	567197.43	4217340.25	2.94E-04	3.17E-04	2.55E-04	2.81E-04	3.08E-05	4.55E-05	2.69E-05	2.80E-05
3139	567179.28	4217342.43	2.76E-04	2.98E-04	2.40E-04	2.64E-04	2.90E-05	4.27E-05	2.52E-05	2.63E-05
3140	567170.2	4217343.52	2.69E-04	2.91E-04	2.34E-04	2.57E-04	2.82E-05	4.17E-05	2.46E-05	2.57E-05
3141	567161.12	4217344.61	2.63E-04	2.84E-04	2.28E-04	2.51E-04	2.76E-05	4.07E-05	2.40E-05	2.51E-05
3142	567152.05	4217345.7	2.58E-04	2.79E-04	2.24E-04	2.47E-04	2.71E-05	4.00E-05	2.36E-05	2.46E-05
3143	567142.97	4217346.79	2.54E-04	2.74E-04	2.21E-04	2.43E-04	2.67E-05	3.94E-05	2.32E-05	2.42E-05
3144	567133.89	4217347.88	2.51E-04	2.71E-04	2.18E-04	2.40E-04	2.63E-05	3.88E-05	2.29E-05	2.39E-05
3145	567124.81	4217348.97	2.48E-04	2.68E-04	2.15E-04	2.37E-04	2.60E-05	3.84E-05	2.27E-05	2.37E-05
3146	567115.74	4217350.06	2.46E-04	2.66E-04	2.14E-04	2.35E-04	2.58E-05	3.81E-05	2.25E-05	2.35E-05
3147	567097.58	4217352.24	2.43E-04	2.63E-04	2.11E-04	2.32E-04	2.55E-05	3.76E-05	2.22E-05	2.32E-05
3148	567088.5	4217353.33	2.42E-04	2.61E-04	2.10E-04	2.31E-04	2.54E-05	3.75E-05	2.21E-05	2.31E-05
3149	567079.42	4217354.42	2.41E-04	2.60E-04	2.09E-04	2.30E-04	2.53E-05	3.73E-05	2.20E-05	2.30E-05
3150	567070.35	4217355.51	2.40E-04	2.60E-04	2.09E-04	2.30E-04	2.52E-05	3.72E-05	2.20E-05	2.29E-05

		Max Yr	2	T2	T3	T4I	T4f
		Row	19	1.80E-01	1.59E-01	2.58E-02	1.59E-02
			Col	3	4	5	6
			Adjustment	100%	88%	14%	9%
				Year 2	Year 2	Year 2	Year 2
1	567145.96	4217064.54		8.19E-02	7.25E-02	1.17E-02	7.23E-03
2	567143.55	4217074.25		5.58E-02	4.94E-02	8.01E-03	4.93E-03
3	567141.15	4217083.96		4.00E-02	3.54E-02	5.73E-03	3.53E-03
4	567133.93	4217113.08		1.74E-02	1.54E-02	2.49E-03	1.54E-03
5	567131.52	4217122.78		1.38E-02	1.22E-02	1.97E-03	1.22E-03
6	567129.11	4217132.49		1.11E-02	9.83E-03	1.59E-03	9.81E-04
7	567126.71	4217142.19		9.14E-03	8.09E-03	1.31E-03	8.07E-04
8	567124.3	4217151.9		7.65E-03	6.77E-03	1.10E-03	6.75E-04
9	567121.89	4217161.61		6.51E-03	5.76E-03	9.33E-04	5.74E-04
10	567119.49	4217171.31		5.61E-03	4.97E-03	8.05E-04	4.96E-04
11	567117.08	4217181.02		4.91E-03	4.34E-03	7.04E-04	4.33E-04
12	567114.67	4217190.72		4.34E-03	3.84E-03	6.23E-04	3.83E-04
13	567102.64	4217239.25		2.67E-03	2.36E-03	3.83E-04	2.36E-04
14	567100.23	4217248.96		2.47E-03	2.19E-03	3.54E-04	2.18E-04
15	567097.83	4217258.67		2.29E-03	2.03E-03	3.29E-04	2.03E-04
16	567095.42	4217268.37		2.14E-03	1.89E-03	3.07E-04	1.89E-04
17	567178.64	4216983.73		1.78E-01	1.58E-01	2.56E-02	1.57E-02
18	567182.66	4216974.43		1.80E-01	1.59E-01	2.58E-02	1.59E-02
19	567187.53	4216987.36		1.42E-01	1.26E-01	2.04E-02	1.26E-02
20	567176.43	4216996.07		1.66E-01	1.47E-01	2.39E-02	1.47E-02
21	567192.3	4216977.06		1.43E-01	1.26E-01	2.05E-02	1.26E-02
22	567196.79	4216990.49		1.17E-01	1.04E-01	1.68E-02	1.04E-02
23	567189.91	4216999.48		1.23E-01	1.09E-01	1.76E-02	1.09E-02
24	567180.87	4217004.78		1.40E-01	1.24E-01	2.00E-02	1.23E-02
25	567169.67	4217006.41		1.78E-01	1.58E-01	2.56E-02	1.57E-02
26	567201.95	4216979.69		1.17E-01	1.04E-01	1.68E-02	1.03E-02
27	567206.21	4216993.42		9.91E-02	8.77E-02	1.42E-02	8.75E-03
28	567198.87	4217003.01		1.03E-01	9.14E-02	1.48E-02	9.13E-03
29	567185.56	4217013.46		1.19E-01	1.05E-01	1.70E-02	1.05E-02
30	567173.61	4217015.19		1.48E-01	1.31E-01	2.13E-02	1.31E-02
31	567211.6	4216982.32		9.86E-02	8.72E-02	1.41E-02	8.71E-03
32	567215.71	4216996.25		8.50E-02	7.52E-02	1.22E-02	7.51E-03
33	567208.06	4217006.24		8.84E-02	7.83E-02	1.27E-02	7.81E-03
34	567200.42	4217016.23		9.16E-02	8.10E-02	1.31E-02	8.08E-03
35	567190.37	4217022.12		1.01E-01	8.98E-02	1.45E-02	8.96E-03
36	567177.93	4217023.93		1.24E-01	1.10E-01	1.78E-02	1.09E-02
37	567165.48	4217025.73		1.60E-01	1.42E-01	2.30E-02	1.41E-02
38	567221.25	4216984.95		8.43E-02	7.46E-02	1.21E-02	7.44E-03
39	567225.24	4216999.03		7.39E-02	6.54E-02	1.06E-02	6.53E-03
40	567217.38	4217009.3		7.68E-02	6.80E-02	1.10E-02	6.79E-03
41	567209.52	4217019.57		7.92E-02	7.01E-02	1.14E-02	6.99E-03
42	567195.26	4217030.77		8.74E-02	7.73E-02	1.25E-02	7.72E-03
43	567182.45	4217032.63		1.04E-01	9.22E-02	1.49E-02	9.20E-03
44	567169.65	4217034.48		1.29E-01	1.15E-01	1.86E-02	1.14E-02
45	567230.89	4216987.59		7.29E-02	6.45E-02	1.04E-02	6.43E-03
46	567235.26	4217001.18		6.47E-02	5.73E-02	9.28E-03	5.72E-03

47	567228.12	4217010.51	6.72E-02	5.94E-02	9.63E-03	5.93E-03
48	567220.99	4217019.83	6.90E-02	6.10E-02	9.89E-03	6.09E-03
49	567213.85	4217029.15	7.02E-02	6.21E-02	1.01E-02	6.20E-03
50	567200.91	4217039.31	7.52E-02	6.65E-02	1.08E-02	6.64E-03
51	567189.29	4217041	8.57E-02	7.58E-02	1.23E-02	7.57E-03
52	567177.68	4217042.68	9.96E-02	8.81E-02	1.43E-02	8.79E-03
53	567166.06	4217044.36	1.19E-01	1.06E-01	1.71E-02	1.05E-02
54	567240.54	4216990.22	6.36E-02	5.63E-02	9.12E-03	5.62E-03
55	567244.8	4217003.95	5.73E-02	5.07E-02	8.22E-03	5.06E-03
56	567237.46	4217013.54	5.96E-02	5.27E-02	8.54E-03	5.26E-03
57	567230.13	4217023.13	6.12E-02	5.42E-02	8.78E-03	5.40E-03
58	567222.79	4217032.71	6.21E-02	5.50E-02	8.91E-03	5.49E-03
59	567215.45	4217042.3	6.23E-02	5.52E-02	8.94E-03	5.51E-03
60	567205.81	4217047.96	6.55E-02	5.79E-02	9.39E-03	5.78E-03
61	567193.86	4217049.69	7.32E-02	6.48E-02	1.05E-02	6.46E-03
62	567181.91	4217051.42	8.26E-02	7.31E-02	1.18E-02	7.29E-03
63	567169.96	4217053.15	9.42E-02	8.34E-02	1.35E-02	8.32E-03
64	567158.01	4217054.88	1.09E-01	9.62E-02	1.56E-02	9.60E-03
65	567250.19	4216992.85	5.60E-02	4.95E-02	8.03E-03	4.94E-03
66	567254.36	4217006.69	5.11E-02	4.52E-02	7.33E-03	4.51E-03
67	567246.86	4217016.5	5.32E-02	4.71E-02	7.63E-03	4.70E-03
68	567239.36	4217026.3	5.47E-02	4.84E-02	7.84E-03	4.83E-03
69	567231.85	4217036.11	5.55E-02	4.91E-02	7.96E-03	4.90E-03
70	567224.35	4217045.91	5.55E-02	4.91E-02	7.96E-03	4.90E-03
71	567210.73	4217056.61	5.71E-02	5.06E-02	8.19E-03	5.05E-03
72	567198.51	4217058.38	6.26E-02	5.54E-02	8.98E-03	5.53E-03
73	567186.29	4217060.14	6.87E-02	6.08E-02	9.85E-03	6.06E-03
74	567174.07	4217061.91	7.50E-02	6.63E-02	1.07E-02	6.62E-03
75	567161.85	4217063.68	8.04E-02	7.11E-02	1.15E-02	7.10E-03
76	567259.84	4216995.48	4.96E-02	4.39E-02	7.11E-03	4.38E-03
77	567263.94	4217009.41	4.57E-02	4.05E-02	6.56E-03	4.04E-03
78	567256.3	4217019.4	4.77E-02	4.22E-02	6.85E-03	4.22E-03
79	567248.66	4217029.39	4.91E-02	4.35E-02	7.05E-03	4.34E-03
80	567241.01	4217039.38	4.99E-02	4.41E-02	7.15E-03	4.40E-03
81	567233.37	4217049.36	4.99E-02	4.41E-02	7.15E-03	4.40E-03
82	567225.73	4217059.35	4.90E-02	4.34E-02	7.03E-03	4.33E-03
83	567215.68	4217065.25	5.00E-02	4.42E-02	7.17E-03	4.42E-03
84	567203.23	4217067.05	5.38E-02	4.76E-02	7.71E-03	4.75E-03
85	567190.79	4217068.85	5.74E-02	5.08E-02	8.24E-03	5.07E-03
86	567178.34	4217070.65	6.05E-02	5.35E-02	8.68E-03	5.34E-03
87	567165.89	4217072.46	6.19E-02	5.48E-02	8.88E-03	5.47E-03
88	567153.45	4217074.26	5.92E-02	5.24E-02	8.49E-03	5.23E-03
89	567269.48	4216998.11	4.42E-02	3.91E-02	6.34E-03	3.90E-03
90	567273.53	4217012.12	4.11E-02	3.64E-02	5.90E-03	3.63E-03
91	567265.77	4217022.26	4.30E-02	3.81E-02	6.17E-03	3.80E-03
92	567258.01	4217032.4	4.44E-02	3.93E-02	6.37E-03	3.92E-03
93	567250.25	4217042.54	4.51E-02	3.99E-02	6.47E-03	3.99E-03
94	567242.49	4217052.69	4.52E-02	4.00E-02	6.48E-03	3.99E-03
95	567234.73	4217062.83	4.44E-02	3.93E-02	6.36E-03	3.92E-03
96	567220.65	4217073.88	4.39E-02	3.88E-02	6.29E-03	3.88E-03
97	567208.01	4217075.71	4.64E-02	4.10E-02	6.65E-03	4.10E-03
98	567195.37	4217077.55	4.84E-02	4.29E-02	6.95E-03	4.28E-03

99	567182.73	4217079.38	4.96E-02	4.39E-02	7.12E-03	4.38E-03
100	567170.09	4217081.21	4.93E-02	4.36E-02	7.06E-03	4.35E-03
101	567157.45	4217083.04	4.61E-02	4.08E-02	6.61E-03	4.07E-03
102	567279.13	4217000.75	3.96E-02	3.50E-02	5.68E-03	3.50E-03
103	567283.13	4217014.82	3.72E-02	3.29E-02	5.33E-03	3.28E-03
104	567275.27	4217025.09	3.90E-02	3.45E-02	5.59E-03	3.44E-03
105	567267.41	4217035.36	4.03E-02	3.57E-02	5.78E-03	3.56E-03
106	567259.54	4217045.64	4.11E-02	3.63E-02	5.89E-03	3.63E-03
107	567251.68	4217055.91	4.11E-02	3.64E-02	5.90E-03	3.63E-03
108	567243.82	4217066.18	4.04E-02	3.58E-02	5.80E-03	3.57E-03
109	567235.96	4217076.46	3.89E-02	3.44E-02	5.58E-03	3.44E-03
110	567225.63	4217082.52	3.87E-02	3.42E-02	5.54E-03	3.41E-03
111	567212.82	4217084.37	4.02E-02	3.56E-02	5.77E-03	3.55E-03
112	567200.02	4217086.23	4.12E-02	3.64E-02	5.91E-03	3.64E-03
113	567187.22	4217088.08	4.14E-02	3.66E-02	5.93E-03	3.65E-03
114	567174.42	4217089.94	4.02E-02	3.56E-02	5.76E-03	3.55E-03
115	567161.61	4217091.79	3.71E-02	3.29E-02	5.32E-03	3.28E-03
116	567148.81	4217093.65	3.25E-02	2.87E-02	4.66E-03	2.87E-03
117	567288.78	4217003.38	3.56E-02	3.15E-02	5.11E-03	3.14E-03
118	567292.98	4217017.18	3.36E-02	2.98E-02	4.82E-03	2.97E-03
119	567285.53	4217026.92	3.53E-02	3.13E-02	5.07E-03	3.12E-03
120	567278.08	4217036.66	3.66E-02	3.24E-02	5.25E-03	3.23E-03
121	567270.62	4217046.4	3.74E-02	3.31E-02	5.37E-03	3.30E-03
122	567263.17	4217056.13	3.77E-02	3.33E-02	5.40E-03	3.33E-03
123	567255.72	4217065.87	3.74E-02	3.31E-02	5.36E-03	3.30E-03
124	567248.27	4217075.61	3.64E-02	3.22E-02	5.22E-03	3.21E-03
125	567240.82	4217085.35	3.47E-02	3.07E-02	4.98E-03	3.06E-03
126	567231.02	4217091.1	3.41E-02	3.02E-02	4.90E-03	3.01E-03
127	567218.89	4217092.85	3.50E-02	3.10E-02	5.02E-03	3.09E-03
128	567206.75	4217094.61	3.54E-02	3.13E-02	5.07E-03	3.12E-03
129	567194.61	4217096.37	3.51E-02	3.11E-02	5.04E-03	3.10E-03
130	567182.48	4217098.13	3.40E-02	3.01E-02	4.87E-03	3.00E-03
131	567170.34	4217099.88	3.17E-02	2.81E-02	4.55E-03	2.80E-03
132	567298.43	4217006.01	3.22E-02	2.85E-02	4.61E-03	2.84E-03
133	567302.58	4217019.88	3.06E-02	2.71E-02	4.39E-03	2.70E-03
134	567295.02	4217029.75	3.23E-02	2.85E-02	4.63E-03	2.85E-03
135	567287.47	4217039.62	3.35E-02	2.97E-02	4.81E-03	2.96E-03
136	567279.92	4217049.49	3.43E-02	3.04E-02	4.92E-03	3.03E-03
137	567272.36	4217059.36	3.46E-02	3.06E-02	4.96E-03	3.06E-03
138	567264.81	4217069.23	3.44E-02	3.04E-02	4.93E-03	3.03E-03
139	567257.26	4217079.1	3.35E-02	2.97E-02	4.81E-03	2.96E-03
140	567249.7	4217088.97	3.21E-02	2.84E-02	4.60E-03	2.83E-03
141	567236	4217099.73	3.03E-02	2.68E-02	4.35E-03	2.68E-03
142	567223.7	4217101.51	3.07E-02	2.72E-02	4.41E-03	2.71E-03
143	567211.4	4217103.3	3.07E-02	2.72E-02	4.40E-03	2.71E-03
144	567199.1	4217105.08	3.01E-02	2.66E-02	4.32E-03	2.66E-03
145	567149.9	4217112.2	2.07E-02	1.83E-02	2.96E-03	1.82E-03
146	567308.07	4217008.64	2.92E-02	2.58E-02	4.18E-03	2.58E-03
147	567312.18	4217022.57	2.79E-02	2.47E-02	4.01E-03	2.47E-03
148	567304.54	4217032.56	2.95E-02	2.61E-02	4.23E-03	2.61E-03
149	567296.89	4217042.55	3.07E-02	2.72E-02	4.41E-03	2.71E-03
150	567289.25	4217052.53	3.16E-02	2.79E-02	4.52E-03	2.79E-03

151	567281.61	4217062.52	3.19E-02	2.82E-02	4.57E-03	2.82E-03
152	567273.96	4217072.51	3.17E-02	2.81E-02	4.55E-03	2.80E-03
153	567266.32	4217082.5	3.10E-02	2.74E-02	4.45E-03	2.74E-03
154	567258.68	4217092.49	2.98E-02	2.63E-02	4.27E-03	2.63E-03
155	567251.03	4217102.47	2.79E-02	2.47E-02	4.00E-03	2.47E-03
156	567240.99	4217108.37	2.70E-02	2.39E-02	3.87E-03	2.38E-03
157	567228.54	4217110.17	2.71E-02	2.40E-02	3.89E-03	2.40E-03
158	567216.09	4217111.97	2.68E-02	2.37E-02	3.85E-03	2.37E-03
159	567166.31	4217119.18	2.02E-02	1.79E-02	2.89E-03	1.78E-03
160	567153.86	4217120.99	1.76E-02	1.56E-02	2.52E-03	1.55E-03
161	567141.41	4217122.79	1.51E-02	1.34E-02	2.17E-03	1.33E-03
162	567317.72	4217011.27	2.66E-02	2.35E-02	3.81E-03	2.35E-03
163	567321.79	4217025.26	2.56E-02	2.26E-02	3.67E-03	2.26E-03
164	567314.06	4217035.35	2.71E-02	2.40E-02	3.89E-03	2.39E-03
165	567306.34	4217045.44	2.83E-02	2.50E-02	4.05E-03	2.50E-03
166	567298.62	4217055.53	2.91E-02	2.57E-02	4.17E-03	2.57E-03
167	567290.89	4217065.63	2.95E-02	2.61E-02	4.22E-03	2.60E-03
168	567283.17	4217075.72	2.94E-02	2.60E-02	4.21E-03	2.59E-03
169	567275.44	4217085.81	2.88E-02	2.55E-02	4.13E-03	2.54E-03
170	567267.72	4217095.91	2.77E-02	2.45E-02	3.97E-03	2.45E-03
171	567260	4217106	2.61E-02	2.31E-02	3.74E-03	2.31E-03
172	567245.98	4217117	2.41E-02	2.14E-02	3.46E-03	2.13E-03
173	567233.41	4217118.82	2.40E-02	2.13E-02	3.45E-03	2.12E-03
174	567195.67	4217124.29	2.13E-02	1.88E-02	3.05E-03	1.88E-03
175	567170.52	4217127.93	1.74E-02	1.54E-02	2.49E-03	1.53E-03
176	567157.94	4217129.75	1.52E-02	1.34E-02	2.17E-03	1.34E-03
177	567145.36	4217131.58	1.31E-02	1.16E-02	1.88E-03	1.15E-03
178	567327.37	4217013.9	2.43E-02	2.15E-02	3.48E-03	2.14E-03
179	567331.4	4217027.93	2.35E-02	2.08E-02	3.37E-03	2.07E-03
180	567323.6	4217038.12	2.49E-02	2.21E-02	3.57E-03	2.20E-03
181	567315.81	4217048.31	2.61E-02	2.31E-02	3.74E-03	2.30E-03
182	567308.01	4217058.5	2.69E-02	2.38E-02	3.85E-03	2.37E-03
183	567300.21	4217068.68	2.73E-02	2.42E-02	3.91E-03	2.41E-03
184	567292.42	4217078.87	2.73E-02	2.41E-02	3.91E-03	2.41E-03
185	567284.62	4217089.06	2.68E-02	2.37E-02	3.85E-03	2.37E-03
186	567276.83	4217099.25	2.59E-02	2.29E-02	3.71E-03	2.29E-03
187	567212.9	4217131.15	1.99E-02	1.76E-02	2.85E-03	1.75E-03
188	567200.2	4217132.99	1.86E-02	1.64E-02	2.66E-03	1.64E-03
189	567174.81	4217136.67	1.51E-02	1.34E-02	2.16E-03	1.33E-03
190	567162.12	4217138.51	1.32E-02	1.17E-02	1.89E-03	1.17E-03
191	567149.42	4217140.35	1.14E-02	1.01E-02	1.64E-03	1.01E-03
192	567136.72	4217142.18	9.92E-03	8.78E-03	1.42E-03	8.76E-04
193	567337.02	4217016.54	2.22E-02	1.97E-02	3.19E-03	1.96E-03
194	567341.01	4217030.61	2.16E-02	1.91E-02	3.10E-03	1.91E-03
195	567333.15	4217040.88	2.30E-02	2.03E-02	3.29E-03	2.03E-03
196	567325.29	4217051.16	2.41E-02	2.13E-02	3.45E-03	2.13E-03
197	567317.43	4217061.43	2.49E-02	2.20E-02	3.57E-03	2.20E-03
198	567309.57	4217071.7	2.53E-02	2.24E-02	3.63E-03	2.24E-03
199	567301.7	4217081.97	2.54E-02	2.25E-02	3.64E-03	2.24E-03
200	567293.84	4217092.25	2.50E-02	2.22E-02	3.59E-03	2.21E-03
201	567285.98	4217102.52	2.43E-02	2.15E-02	3.48E-03	2.14E-03
202	567278.12	4217112.79	2.31E-02	2.04E-02	3.31E-03	2.04E-03

203	567243.19	4217136.12	1.91E-02	1.69E-02	2.75E-03	1.69E-03
204	567230.39	4217137.98	1.85E-02	1.64E-02	2.65E-03	1.63E-03
205	567217.59	4217139.83	1.76E-02	1.55E-02	2.52E-03	1.55E-03
206	567204.78	4217141.68	1.63E-02	1.44E-02	2.34E-03	1.44E-03
207	567166.38	4217147.25	1.16E-02	1.03E-02	1.67E-03	1.03E-03
208	567153.57	4217149.1	1.01E-02	8.95E-03	1.45E-03	8.94E-04
209	567140.77	4217150.96	8.81E-03	7.79E-03	1.26E-03	7.78E-04
210	567346.66	4217019.17	2.05E-02	1.81E-02	2.93E-03	1.81E-03
211	567350.63	4217033.28	1.99E-02	1.77E-02	2.86E-03	1.76E-03
212	567342.71	4217043.63	2.12E-02	1.88E-02	3.04E-03	1.87E-03
213	567334.79	4217053.98	2.23E-02	1.97E-02	3.20E-03	1.97E-03
214	567326.87	4217064.33	2.31E-02	2.04E-02	3.31E-03	2.04E-03
215	567318.95	4217074.68	2.36E-02	2.09E-02	3.38E-03	2.08E-03
216	567311.02	4217085.03	2.37E-02	2.10E-02	3.40E-03	2.09E-03
217	567303.1	4217095.39	2.34E-02	2.07E-02	3.36E-03	2.07E-03
218	567295.18	4217105.74	2.28E-02	2.02E-02	3.27E-03	2.01E-03
219	567287.26	4217116.09	2.17E-02	1.92E-02	3.12E-03	1.92E-03
220	567279.34	4217126.44	2.03E-02	1.80E-02	2.92E-03	1.80E-03
221	567248.11	4217144.77	1.72E-02	1.52E-02	2.47E-03	1.52E-03
222	567235.21	4217146.64	1.65E-02	1.46E-02	2.37E-03	1.46E-03
223	567222.31	4217148.5	1.56E-02	1.38E-02	2.24E-03	1.38E-03
224	567209.41	4217150.37	1.45E-02	1.28E-02	2.07E-03	1.28E-03
225	567196.51	4217152.24	1.31E-02	1.16E-02	1.88E-03	1.16E-03
226	567170.71	4217155.98	1.03E-02	9.13E-03	1.48E-03	9.11E-04
227	567157.81	4217157.84	9.02E-03	7.98E-03	1.29E-03	7.96E-04
228	567144.91	4217159.71	7.88E-03	6.98E-03	1.13E-03	6.96E-04
229	567132.01	4217161.58	6.96E-03	6.16E-03	9.97E-04	6.14E-04
230	567356.31	4217021.8	1.89E-02	1.67E-02	2.70E-03	1.66E-03
231	567360.42	4217035.73	1.84E-02	1.63E-02	2.64E-03	1.63E-03
232	567352.77	4217045.72	1.96E-02	1.73E-02	2.81E-03	1.73E-03
233	567345.13	4217055.71	2.06E-02	1.82E-02	2.95E-03	1.82E-03
234	567337.49	4217065.69	2.14E-02	1.89E-02	3.07E-03	1.89E-03
235	567329.84	4217075.68	2.19E-02	1.94E-02	3.14E-03	1.93E-03
236	567322.2	4217085.67	2.21E-02	1.96E-02	3.18E-03	1.96E-03
237	567314.56	4217095.66	2.21E-02	1.95E-02	3.16E-03	1.95E-03
238	567306.91	4217105.64	2.16E-02	1.91E-02	3.10E-03	1.91E-03
239	567299.27	4217115.63	2.09E-02	1.85E-02	2.99E-03	1.84E-03
240	567291.63	4217125.62	1.98E-02	1.75E-02	2.84E-03	1.75E-03
241	567276.34	4217145.6	1.69E-02	1.50E-02	2.43E-03	1.50E-03
242	567266.3	4217151.49	1.60E-02	1.41E-02	2.29E-03	1.41E-03
243	567253.85	4217153.29	1.55E-02	1.37E-02	2.23E-03	1.37E-03
244	567241.4	4217155.1	1.49E-02	1.32E-02	2.14E-03	1.32E-03
245	567228.96	4217156.9	1.41E-02	1.25E-02	2.02E-03	1.24E-03
246	567216.51	4217158.7	1.31E-02	1.16E-02	1.88E-03	1.16E-03
247	567204.06	4217160.5	1.20E-02	1.06E-02	1.72E-03	1.06E-03
248	567166.72	4217165.91	8.47E-03	7.50E-03	1.21E-03	7.48E-04
249	567154.27	4217167.71	7.47E-03	6.61E-03	1.07E-03	6.60E-04
250	567141.83	4217169.52	6.63E-03	5.86E-03	9.50E-04	5.85E-04
251	567129.38	4217171.32	5.94E-03	5.26E-03	8.52E-04	5.25E-04
252	567365.96	4217024.43	1.74E-02	1.54E-02	2.50E-03	1.54E-03
253	567370.03	4217038.4	1.71E-02	1.51E-02	2.45E-03	1.51E-03
254	567362.33	4217048.47	1.82E-02	1.61E-02	2.61E-03	1.60E-03

255	567354.63	4217058.54	1.91E-02	1.69E-02	2.74E-03	1.69E-03
256	567346.92	4217068.61	1.99E-02	1.76E-02	2.86E-03	1.76E-03
257	567339.22	4217078.67	2.05E-02	1.81E-02	2.93E-03	1.81E-03
258	567331.51	4217088.74	2.07E-02	1.83E-02	2.97E-03	1.83E-03
259	567323.81	4217098.81	2.07E-02	1.83E-02	2.97E-03	1.83E-03
260	567316.1	4217108.88	2.04E-02	1.80E-02	2.92E-03	1.80E-03
261	567308.4	4217118.94	1.97E-02	1.74E-02	2.83E-03	1.74E-03
262	567300.69	4217129.01	1.88E-02	1.66E-02	2.69E-03	1.66E-03
263	567285.29	4217149.15	1.62E-02	1.43E-02	2.32E-03	1.43E-03
264	567271.31	4217160.12	1.45E-02	1.28E-02	2.08E-03	1.28E-03
265	567246.21	4217163.76	1.34E-02	1.19E-02	1.93E-03	1.19E-03
266	567233.67	4217165.57	1.26E-02	1.12E-02	1.81E-03	1.12E-03
267	567221.12	4217167.39	1.17E-02	1.04E-02	1.68E-03	1.04E-03
268	567208.58	4217169.21	1.07E-02	9.48E-03	1.54E-03	9.46E-04
269	567196.03	4217171.03	9.65E-03	8.54E-03	1.38E-03	8.52E-04
270	567170.94	4217174.66	7.62E-03	6.74E-03	1.09E-03	6.73E-04
271	567158.39	4217176.48	6.75E-03	5.97E-03	9.68E-04	5.96E-04
272	567145.84	4217178.29	6.01E-03	5.32E-03	8.62E-04	5.31E-04
273	567133.3	4217180.11	5.41E-03	4.78E-03	7.75E-04	4.77E-04
274	567375.61	4217027.06	1.61E-02	1.43E-02	2.31E-03	1.42E-03
275	567379.65	4217041.07	1.58E-02	1.40E-02	2.27E-03	1.40E-03
276	567371.89	4217051.21	1.69E-02	1.50E-02	2.42E-03	1.49E-03
277	567364.13	4217061.35	1.78E-02	1.58E-02	2.56E-03	1.57E-03
278	567356.37	4217071.5	1.86E-02	1.64E-02	2.66E-03	1.64E-03
279	567348.61	4217081.64	1.91E-02	1.69E-02	2.74E-03	1.69E-03
280	567340.85	4217091.78	1.94E-02	1.72E-02	2.78E-03	1.71E-03
281	567333.09	4217101.92	1.94E-02	1.72E-02	2.79E-03	1.72E-03
282	567325.33	4217112.06	1.92E-02	1.70E-02	2.75E-03	1.69E-03
283	567317.57	4217122.2	1.86E-02	1.65E-02	2.67E-03	1.65E-03
284	567309.81	4217132.34	1.78E-02	1.58E-02	2.56E-03	1.57E-03
285	567294.28	4217152.63	1.55E-02	1.37E-02	2.22E-03	1.37E-03
286	567286.52	4217162.77	1.41E-02	1.25E-02	2.03E-03	1.25E-03
287	567276.32	4217168.75	1.32E-02	1.17E-02	1.90E-03	1.17E-03
288	567251.05	4217172.41	1.22E-02	1.08E-02	1.74E-03	1.07E-03
289	567238.41	4217174.24	1.14E-02	1.01E-02	1.64E-03	1.01E-03
290	567225.77	4217176.08	1.06E-02	9.35E-03	1.51E-03	9.33E-04
291	567213.13	4217177.91	9.64E-03	8.53E-03	1.38E-03	8.51E-04
292	567200.49	4217179.74	8.69E-03	7.69E-03	1.25E-03	7.68E-04
293	567175.22	4217183.4	6.90E-03	6.10E-03	9.89E-04	6.09E-04
294	567162.58	4217185.23	6.13E-03	5.42E-03	8.79E-04	5.41E-04
295	567149.94	4217187.06	5.48E-03	4.85E-03	7.85E-04	4.84E-04
296	567137.3	4217188.89	4.94E-03	4.38E-03	7.09E-04	4.37E-04
297	567124.66	4217190.72	4.53E-03	4.01E-03	6.49E-04	4.00E-04
298	567385.25	4217029.7	1.50E-02	1.32E-02	2.14E-03	1.32E-03
299	567389.28	4217043.74	1.47E-02	1.30E-02	2.11E-03	1.30E-03
300	567381.46	4217053.95	1.57E-02	1.39E-02	2.25E-03	1.39E-03
301	567373.65	4217064.16	1.66E-02	1.47E-02	2.38E-03	1.47E-03
302	567365.84	4217074.37	1.74E-02	1.54E-02	2.49E-03	1.53E-03
303	567358.02	4217084.58	1.79E-02	1.58E-02	2.57E-03	1.58E-03
304	567350.21	4217094.79	1.82E-02	1.61E-02	2.61E-03	1.61E-03
305	567342.4	4217104.99	1.83E-02	1.62E-02	2.62E-03	1.61E-03
306	567334.58	4217115.2	1.81E-02	1.60E-02	2.59E-03	1.60E-03

307	567326.77	4217125.41	1.76E-02	1.56E-02	2.53E-03	1.56E-03
308	567318.96	4217135.62	1.69E-02	1.50E-02	2.43E-03	1.50E-03
309	567303.33	4217156.04	1.49E-02	1.32E-02	2.13E-03	1.31E-03
310	567295.52	4217166.25	1.36E-02	1.21E-02	1.95E-03	1.20E-03
311	567281.34	4217177.38	1.21E-02	1.07E-02	1.73E-03	1.07E-03
312	567268.62	4217179.23	1.16E-02	1.03E-02	1.67E-03	1.03E-03
313	567243.17	4217182.91	1.03E-02	9.15E-03	1.48E-03	9.13E-04
314	567230.45	4217184.76	9.56E-03	8.46E-03	1.37E-03	8.44E-04
315	567217.72	4217186.6	8.72E-03	7.72E-03	1.25E-03	7.70E-04
316	567205	4217188.44	7.87E-03	6.96E-03	1.13E-03	6.95E-04
317	567192.28	4217190.28	7.04E-03	6.23E-03	1.01E-03	6.22E-04
318	567166.83	4217193.97	5.59E-03	4.95E-03	8.02E-04	4.94E-04
319	567154.11	4217195.81	5.02E-03	4.44E-03	7.19E-04	4.43E-04
320	567141.38	4217197.65	4.54E-03	4.02E-03	6.51E-04	4.01E-04
321	567128.66	4217199.5	4.17E-03	3.69E-03	5.98E-04	3.68E-04
322	567394.9	4217032.33	1.39E-02	1.23E-02	2.00E-03	1.23E-03
323	567398.9	4217046.4	1.38E-02	1.22E-02	1.97E-03	1.21E-03
324	567391.04	4217056.67	1.47E-02	1.30E-02	2.10E-03	1.30E-03
325	567383.17	4217066.95	1.55E-02	1.38E-02	2.23E-03	1.37E-03
326	567375.31	4217077.22	1.63E-02	1.44E-02	2.33E-03	1.44E-03
327	567367.45	4217087.49	1.68E-02	1.49E-02	2.41E-03	1.48E-03
328	567359.59	4217097.77	1.71E-02	1.52E-02	2.46E-03	1.51E-03
329	567351.73	4217108.04	1.72E-02	1.52E-02	2.47E-03	1.52E-03
330	567343.87	4217118.31	1.71E-02	1.51E-02	2.45E-03	1.51E-03
331	567336	4217128.59	1.67E-02	1.48E-02	2.40E-03	1.48E-03
332	567328.14	4217138.86	1.61E-02	1.43E-02	2.31E-03	1.42E-03
333	567312.42	4217159.4	1.43E-02	1.26E-02	2.05E-03	1.26E-03
334	567304.56	4217169.68	1.31E-02	1.16E-02	1.88E-03	1.16E-03
335	567296.7	4217179.95	1.19E-02	1.05E-02	1.71E-03	1.05E-03
336	567286.36	4217186.01	1.11E-02	9.81E-03	1.59E-03	9.79E-04
337	567273.56	4217187.87	1.06E-02	9.40E-03	1.52E-03	9.38E-04
338	567247.96	4217191.58	9.41E-03	8.32E-03	1.35E-03	8.31E-04
339	567235.15	4217193.43	8.69E-03	7.69E-03	1.25E-03	7.67E-04
340	567222.35	4217195.29	7.93E-03	7.01E-03	1.14E-03	7.00E-04
341	567209.55	4217197.14	7.16E-03	6.34E-03	1.03E-03	6.32E-04
342	567196.75	4217198.99	6.42E-03	5.68E-03	9.21E-04	5.67E-04
343	567171.14	4217202.7	5.13E-03	4.54E-03	7.36E-04	4.53E-04
344	567158.34	4217204.56	4.61E-03	4.08E-03	6.62E-04	4.07E-04
345	567145.54	4217206.41	4.19E-03	3.71E-03	6.01E-04	3.70E-04
346	567132.73	4217208.26	3.86E-03	3.41E-03	5.53E-04	3.41E-04
347	567119.93	4217210.12	3.60E-03	3.19E-03	5.17E-04	3.18E-04
348	567404.55	4217034.96	1.30E-02	1.15E-02	1.86E-03	1.15E-03
349	567408.52	4217049.06	1.29E-02	1.14E-02	1.84E-03	1.14E-03
350	567400.62	4217059.39	1.37E-02	1.21E-02	1.97E-03	1.21E-03
351	567392.71	4217069.73	1.45E-02	1.28E-02	2.08E-03	1.28E-03
352	567384.8	4217080.06	1.52E-02	1.35E-02	2.18E-03	1.35E-03
353	567376.9	4217090.39	1.58E-02	1.40E-02	2.26E-03	1.39E-03
354	567368.99	4217100.72	1.61E-02	1.43E-02	2.31E-03	1.42E-03
355	567361.08	4217111.05	1.63E-02	1.44E-02	2.33E-03	1.44E-03
356	567353.17	4217121.39	1.62E-02	1.43E-02	2.32E-03	1.43E-03
357	567345.27	4217131.72	1.59E-02	1.40E-02	2.27E-03	1.40E-03
358	567337.36	4217142.05	1.53E-02	1.36E-02	2.20E-03	1.35E-03

359	567321.55	4217162.72	1.37E-02	1.21E-02	1.97E-03	1.21E-03
360	567313.64	4217173.05	1.27E-02	1.12E-02	1.82E-03	1.12E-03
361	567305.73	4217183.38	1.15E-02	1.02E-02	1.66E-03	1.02E-03
362	567291.39	4217194.64	1.02E-02	9.01E-03	1.46E-03	8.99E-04
363	567278.51	4217196.51	9.74E-03	8.62E-03	1.40E-03	8.60E-04
364	567252.76	4217200.24	8.59E-03	7.60E-03	1.23E-03	7.59E-04
365	567239.88	4217202.1	7.93E-03	7.01E-03	1.14E-03	7.00E-04
366	567227.01	4217203.97	7.23E-03	6.40E-03	1.04E-03	6.39E-04
367	567214.13	4217205.83	6.54E-03	5.79E-03	9.38E-04	5.78E-04
368	567201.26	4217207.7	5.88E-03	5.20E-03	8.43E-04	5.19E-04
369	567175.5	4217211.43	4.72E-03	4.18E-03	6.77E-04	4.17E-04
370	567162.63	4217213.29	4.26E-03	3.77E-03	6.11E-04	3.76E-04
371	567149.75	4217215.16	3.88E-03	3.43E-03	5.56E-04	3.43E-04
372	567136.88	4217217.02	3.58E-03	3.17E-03	5.13E-04	3.16E-04
373	567124	4217218.89	3.35E-03	2.96E-03	4.80E-04	2.96E-04
374	567410.59	4217061.61	1.28E-02	1.13E-02	1.84E-03	1.13E-03
375	567402.89	4217071.66	1.35E-02	1.20E-02	1.94E-03	1.20E-03
376	567395.2	4217081.71	1.42E-02	1.26E-02	2.04E-03	1.25E-03
377	567387.51	4217091.76	1.48E-02	1.31E-02	2.12E-03	1.30E-03
378	567379.81	4217101.81	1.51E-02	1.34E-02	2.17E-03	1.34E-03
379	567372.12	4217111.87	1.53E-02	1.36E-02	2.20E-03	1.35E-03
380	567364.43	4217121.92	1.53E-02	1.36E-02	2.20E-03	1.35E-03
381	567356.74	4217131.97	1.52E-02	1.34E-02	2.17E-03	1.34E-03
382	567349.04	4217142.02	1.48E-02	1.31E-02	2.12E-03	1.30E-03
383	567325.97	4217172.18	1.26E-02	1.12E-02	1.81E-03	1.11E-03
384	567318.27	4217182.23	1.17E-02	1.03E-02	1.67E-03	1.03E-03
385	567310.58	4217192.28	1.06E-02	9.41E-03	1.52E-03	9.39E-04
386	567296.62	4217203.24	9.39E-03	8.31E-03	1.35E-03	8.29E-04
387	567284.1	4217205.06	8.97E-03	7.94E-03	1.29E-03	7.92E-04
388	567271.57	4217206.87	8.48E-03	7.51E-03	1.22E-03	7.49E-04
389	567246.52	4217210.5	7.35E-03	6.50E-03	1.05E-03	6.49E-04
390	567233.99	4217212.31	6.74E-03	5.97E-03	9.67E-04	5.95E-04
391	567221.46	4217214.13	6.13E-03	5.43E-03	8.79E-04	5.41E-04
392	567208.93	4217215.94	5.54E-03	4.91E-03	7.95E-04	4.89E-04
393	567196.41	4217217.76	5.00E-03	4.42E-03	7.16E-04	4.41E-04
394	567171.35	4217221.39	4.08E-03	3.61E-03	5.85E-04	3.60E-04
395	567158.83	4217223.2	3.72E-03	3.30E-03	5.34E-04	3.29E-04
396	567146.3	4217225.02	3.44E-03	3.04E-03	4.93E-04	3.03E-04
397	567133.77	4217226.83	3.21E-03	2.84E-03	4.60E-04	2.83E-04
398	567121.24	4217228.64	3.03E-03	2.68E-03	4.35E-04	2.68E-04
399	567404.69	4217084.55	1.33E-02	1.18E-02	1.91E-03	1.18E-03
400	567396.95	4217094.67	1.39E-02	1.23E-02	1.99E-03	1.23E-03
401	567389.21	4217104.78	1.43E-02	1.26E-02	2.05E-03	1.26E-03
402	567381.47	4217114.89	1.45E-02	1.28E-02	2.08E-03	1.28E-03
403	567373.73	4217125	1.45E-02	1.29E-02	2.08E-03	1.28E-03
404	567365.99	4217135.12	1.44E-02	1.27E-02	2.06E-03	1.27E-03
405	567358.25	4217145.23	1.41E-02	1.24E-02	2.02E-03	1.24E-03
406	567327.3	4217185.68	1.13E-02	9.98E-03	1.62E-03	9.96E-04
407	567319.56	4217195.79	1.03E-02	9.14E-03	1.48E-03	9.12E-04
408	567311.82	4217205.9	9.34E-03	8.27E-03	1.34E-03	8.25E-04
409	567301.65	4217211.87	8.67E-03	7.67E-03	1.24E-03	7.65E-04
410	567289.05	4217213.7	8.27E-03	7.31E-03	1.19E-03	7.30E-04

411	567276.44	4217215.52	7.80E-03	6.91E-03	1.12E-03	6.89E-04
412	567251.24	4217219.17	6.75E-03	5.98E-03	9.68E-04	5.96E-04
413	567238.64	4217221	6.19E-03	5.48E-03	8.88E-04	5.47E-04
414	567226.03	4217222.82	5.64E-03	4.99E-03	8.09E-04	4.98E-04
415	567213.43	4217224.65	5.11E-03	4.52E-03	7.32E-04	4.51E-04
416	567200.83	4217226.47	4.61E-03	4.08E-03	6.62E-04	4.07E-04
417	567175.62	4217230.13	3.79E-03	3.35E-03	5.43E-04	3.34E-04
418	567163.02	4217231.95	3.46E-03	3.07E-03	4.97E-04	3.06E-04
419	567150.42	4217233.78	3.20E-03	2.83E-03	4.59E-04	2.83E-04
420	567137.82	4217235.6	3.00E-03	2.65E-03	4.30E-04	2.65E-04
421	567125.21	4217237.43	2.83E-03	2.51E-03	4.06E-04	2.50E-04
422	567437.53	4217056.88	1.07E-02	9.45E-03	1.53E-03	9.43E-04
423	567406.4	4217097.55	1.30E-02	1.15E-02	1.87E-03	1.15E-03
424	567398.62	4217107.72	1.35E-02	1.19E-02	1.93E-03	1.19E-03
425	567390.83	4217117.89	1.37E-02	1.21E-02	1.96E-03	1.21E-03
426	567383.05	4217128.06	1.38E-02	1.22E-02	1.98E-03	1.22E-03
427	567375.27	4217138.23	1.37E-02	1.21E-02	1.96E-03	1.21E-03
428	567367.49	4217148.4	1.34E-02	1.19E-02	1.92E-03	1.18E-03
429	567351.92	4217168.74	1.24E-02	1.10E-02	1.78E-03	1.09E-03
430	567328.58	4217199.25	1.00E-02	8.88E-03	1.44E-03	8.86E-04
431	567320.79	4217209.42	9.12E-03	8.07E-03	1.31E-03	8.05E-04
432	567306.67	4217220.5	8.02E-03	7.10E-03	1.15E-03	7.08E-04
433	567294	4217222.34	7.64E-03	6.76E-03	1.09E-03	6.74E-04
434	567281.33	4217224.17	7.20E-03	6.37E-03	1.03E-03	6.36E-04
435	567268.65	4217226.01	6.72E-03	5.95E-03	9.64E-04	5.94E-04
436	567243.31	4217229.68	5.71E-03	5.05E-03	8.19E-04	5.04E-04
437	567230.64	4217231.52	5.20E-03	4.61E-03	7.46E-04	4.60E-04
438	567217.96	4217233.35	4.72E-03	4.18E-03	6.77E-04	4.17E-04
439	567205.29	4217235.19	4.27E-03	3.78E-03	6.13E-04	3.77E-04
440	567192.62	4217237.02	3.87E-03	3.43E-03	5.55E-04	3.42E-04
441	567167.27	4217240.69	3.23E-03	2.86E-03	4.64E-04	2.85E-04
442	567154.6	4217242.53	2.99E-03	2.65E-03	4.29E-04	2.64E-04
443	567141.92	4217244.36	2.80E-03	2.48E-03	4.02E-04	2.48E-04
444	567129.25	4217246.2	2.66E-03	2.35E-03	3.81E-04	2.35E-04
445	567116.58	4217248.03	2.54E-03	2.25E-03	3.65E-04	2.25E-04
446	567443.14	4217045.49	1.01E-02	8.94E-03	1.45E-03	8.92E-04
447	567447.15	4217059.53	1.01E-02	8.94E-03	1.45E-03	8.93E-04
448	567439.33	4217069.76	1.07E-02	9.48E-03	1.54E-03	9.46E-04
449	567431.51	4217079.98	1.13E-02	1.00E-02	1.62E-03	9.98E-04
450	567408.04	4217110.65	1.27E-02	1.12E-02	1.82E-03	1.12E-03
451	567400.22	4217120.87	1.30E-02	1.15E-02	1.86E-03	1.14E-03
452	567392.39	4217131.09	1.31E-02	1.16E-02	1.87E-03	1.15E-03
453	567384.57	4217141.32	1.30E-02	1.15E-02	1.87E-03	1.15E-03
454	567376.75	4217151.54	1.28E-02	1.13E-02	1.83E-03	1.13E-03
455	567361.1	4217171.98	1.19E-02	1.05E-02	1.71E-03	1.05E-03
456	567353.28	4217182.21	1.13E-02	9.98E-03	1.62E-03	9.96E-04
457	567345.45	4217192.43	1.06E-02	9.34E-03	1.51E-03	9.32E-04
458	567329.81	4217212.88	8.90E-03	7.88E-03	1.28E-03	7.86E-04
459	567321.98	4217223.1	8.03E-03	7.11E-03	1.15E-03	7.10E-04
460	567311.7	4217229.13	7.44E-03	6.58E-03	1.07E-03	6.57E-04
461	567298.96	4217230.98	7.07E-03	6.26E-03	1.01E-03	6.24E-04
462	567286.22	4217232.82	6.66E-03	5.89E-03	9.55E-04	5.88E-04

463	567273.48	4217234.67	6.22E-03	5.50E-03	8.91E-04	5.49E-04
464	567248	4217238.36	5.28E-03	4.67E-03	7.57E-04	4.66E-04
465	567235.26	4217240.2	4.82E-03	4.26E-03	6.91E-04	4.26E-04
466	567222.52	4217242.05	4.38E-03	3.87E-03	6.28E-04	3.87E-04
467	567209.78	4217243.89	3.97E-03	3.51E-03	5.69E-04	3.51E-04
468	567197.04	4217245.74	3.61E-03	3.19E-03	5.17E-04	3.18E-04
469	567171.57	4217249.43	3.02E-03	2.68E-03	4.34E-04	2.67E-04
470	567158.83	4217251.27	2.81E-03	2.48E-03	4.02E-04	2.48E-04
471	567146.09	4217253.12	2.63E-03	2.33E-03	3.77E-04	2.32E-04
472	567133.35	4217254.96	2.50E-03	2.21E-03	3.58E-04	2.20E-04
473	567120.61	4217256.81	2.39E-03	2.12E-03	3.43E-04	2.11E-04
474	567452.79	4217048.12	9.58E-03	8.48E-03	1.37E-03	8.46E-04
475	567456.78	4217062.19	9.58E-03	8.48E-03	1.37E-03	8.46E-04
476	567448.92	4217072.46	1.02E-02	8.98E-03	1.46E-03	8.96E-04
477	567441.06	4217082.74	1.07E-02	9.45E-03	1.53E-03	9.43E-04
478	567433.2	4217093.01	1.12E-02	9.91E-03	1.61E-03	9.89E-04
479	567401.75	4217134.1	1.24E-02	1.10E-02	1.78E-03	1.10E-03
480	567393.89	4217144.38	1.24E-02	1.10E-02	1.78E-03	1.09E-03
481	567386.03	4217154.65	1.22E-02	1.08E-02	1.75E-03	1.08E-03
482	567362.44	4217185.47	1.09E-02	9.62E-03	1.56E-03	9.59E-04
483	567354.58	4217195.74	1.02E-02	9.03E-03	1.46E-03	9.02E-04
484	567346.72	4217206.01	9.48E-03	8.39E-03	1.36E-03	8.37E-04
485	567331	4217226.56	7.88E-03	6.97E-03	1.13E-03	6.96E-04
486	567316.73	4217237.76	6.91E-03	6.12E-03	9.91E-04	6.10E-04
487	567303.93	4217239.62	6.56E-03	5.81E-03	9.41E-04	5.79E-04
488	567291.13	4217241.47	6.17E-03	5.46E-03	8.85E-04	5.45E-04
489	567278.33	4217243.32	5.76E-03	5.10E-03	8.26E-04	5.09E-04
490	567252.72	4217247.03	4.90E-03	4.33E-03	7.02E-04	4.33E-04
491	567239.92	4217248.89	4.47E-03	3.96E-03	6.42E-04	3.95E-04
492	567227.11	4217250.74	4.07E-03	3.60E-03	5.84E-04	3.60E-04
493	567214.31	4217252.59	3.70E-03	3.28E-03	5.31E-04	3.27E-04
494	567201.51	4217254.45	3.37E-03	2.98E-03	4.83E-04	2.97E-04
495	567175.9	4217258.16	2.84E-03	2.51E-03	4.07E-04	2.50E-04
496	567163.1	4217260.01	2.64E-03	2.33E-03	3.78E-04	2.33E-04
497	567150.3	4217261.87	2.48E-03	2.19E-03	3.55E-04	2.19E-04
498	567137.5	4217263.72	2.35E-03	2.08E-03	3.37E-04	2.08E-04
499	567124.69	4217265.57	2.26E-03	2.00E-03	3.23E-04	1.99E-04
500	567462.43	4217050.75	9.09E-03	8.04E-03	1.30E-03	8.02E-04
501	567466.41	4217064.85	9.09E-03	8.04E-03	1.30E-03	8.02E-04
502	567458.51	4217075.17	9.63E-03	8.52E-03	1.38E-03	8.50E-04
503	567450.62	4217085.49	1.01E-02	8.97E-03	1.45E-03	8.95E-04
504	567442.72	4217095.81	1.06E-02	9.40E-03	1.52E-03	9.38E-04
505	567434.82	4217106.13	1.11E-02	9.78E-03	1.59E-03	9.76E-04
506	567403.23	4217147.41	1.18E-02	1.04E-02	1.69E-03	1.04E-03
507	567395.33	4217157.73	1.17E-02	1.03E-02	1.67E-03	1.03E-03
508	567371.64	4217188.69	1.05E-02	9.27E-03	1.50E-03	9.25E-04
509	567363.74	4217199.02	9.88E-03	8.74E-03	1.42E-03	8.72E-04
510	567355.84	4217209.34	9.21E-03	8.15E-03	1.32E-03	8.13E-04
511	567347.94	4217219.66	8.48E-03	7.50E-03	1.22E-03	7.49E-04
512	567321.76	4217246.39	6.43E-03	5.69E-03	9.23E-04	5.68E-04
513	567308.9	4217248.25	6.10E-03	5.40E-03	8.75E-04	5.39E-04
514	567296.04	4217250.12	5.74E-03	5.08E-03	8.23E-04	5.07E-04

515	567283.18	4217251.98	5.35E-03	4.74E-03	7.68E-04	4.73E-04
516	567270.32	4217253.84	4.96E-03	4.38E-03	7.11E-04	4.38E-04
517	567244.59	4217257.57	4.17E-03	3.69E-03	5.97E-04	3.68E-04
518	567231.73	4217259.43	3.80E-03	3.36E-03	5.45E-04	3.35E-04
519	567218.87	4217261.29	3.46E-03	3.06E-03	4.96E-04	3.05E-04
520	567206.01	4217263.15	3.15E-03	2.79E-03	4.52E-04	2.79E-04
521	567193.15	4217265.02	2.89E-03	2.56E-03	4.14E-04	2.55E-04
522	567472.08	4217053.38	8.63E-03	7.64E-03	1.24E-03	7.62E-04
523	567208.74	4216964.73	1.16E-01	1.03E-01	1.67E-02	1.03E-02
524	567217.66	4216969.25	9.71E-02	8.59E-02	1.39E-02	8.58E-03
525	567226.58	4216973.77	8.25E-02	7.30E-02	1.18E-02	7.29E-03
526	567233.83	4216959.46	7.67E-02	6.78E-02	1.10E-02	6.77E-03
527	567235.51	4216978.29	7.11E-02	6.29E-02	1.02E-02	6.28E-03
528	567242.75	4216963.97	6.58E-02	5.82E-02	9.44E-03	5.81E-03
529	567248.05	4216975.65	5.99E-02	5.30E-02	8.60E-03	5.29E-03
530	567255.3	4216961.34	5.39E-02	4.77E-02	7.73E-03	4.76E-03
531	567256.97	4216980.17	5.27E-02	4.67E-02	7.56E-03	4.66E-03
532	567264.22	4216965.85	4.75E-02	4.20E-02	6.81E-03	4.19E-03
533	567265.89	4216984.68	4.68E-02	4.14E-02	6.72E-03	4.14E-03
534	567273.14	4216970.37	4.23E-02	3.74E-02	6.07E-03	3.74E-03
535	567274.81	4216989.2	4.19E-02	3.71E-02	6.01E-03	3.70E-03
536	567282.06	4216974.89	3.80E-02	3.36E-02	5.45E-03	3.35E-03
537	567287.36	4216986.56	3.61E-02	3.20E-02	5.18E-03	3.19E-03
538	567296.28	4216991.08	3.28E-02	2.90E-02	4.70E-03	2.89E-03
539	567344.51	4217006.52	2.05E-02	1.81E-02	2.94E-03	1.81E-03
540	567353.43	4217011.03	1.90E-02	1.68E-02	2.73E-03	1.68E-03
541	567451.29	4217105.55	1.01E-02	8.96E-03	1.45E-03	8.94E-04
542	567458.54	4217091.23	9.73E-03	8.61E-03	1.39E-03	8.59E-04
543	567229.97	4216946.94	8.29E-02	7.34E-02	1.19E-02	7.32E-03
544	567243.15	4216946.08	6.41E-02	5.67E-02	9.19E-03	5.66E-03
545	567251.12	4216952.11	5.67E-02	5.02E-02	8.13E-03	5.00E-03
546	567224.05	4216899.29	6.21E-02	5.49E-02	8.90E-03	5.48E-03
547	567211.98	4216887.14	6.32E-02	5.59E-02	9.06E-03	5.58E-03
548	567188.26	4216870.6	6.52E-02	5.77E-02	9.36E-03	5.76E-03
549	567180.35	4216865.08	6.42E-02	5.68E-02	9.20E-03	5.67E-03
550	567172.45	4216859.57	6.24E-02	5.52E-02	8.95E-03	5.51E-03
551	567164.54	4216854.06	6.00E-02	5.31E-02	8.60E-03	5.29E-03
552	567156.63	4216848.54	5.67E-02	5.02E-02	8.14E-03	5.01E-03
553	567148.73	4216843.03	5.27E-02	4.66E-02	7.56E-03	4.65E-03
554	567140.82	4216837.51	4.80E-02	4.25E-02	6.88E-03	4.24E-03
555	567132.91	4216832	4.28E-02	3.79E-02	6.13E-03	3.78E-03
556	567125	4216826.48	3.74E-02	3.31E-02	5.36E-03	3.30E-03
557	567229.77	4216891.09	4.86E-02	4.30E-02	6.97E-03	4.29E-03
558	567236.18	4216911.95	5.74E-02	5.08E-02	8.23E-03	5.07E-03
559	567201.89	4216867.91	5.02E-02	4.44E-02	7.20E-03	4.43E-03
560	567193.98	4216862.4	4.98E-02	4.41E-02	7.15E-03	4.40E-03
561	567186.07	4216856.88	4.89E-02	4.32E-02	7.01E-03	4.32E-03
562	567178.17	4216851.37	4.74E-02	4.19E-02	6.80E-03	4.18E-03
563	567170.26	4216845.85	4.54E-02	4.02E-02	6.51E-03	4.01E-03
564	567162.35	4216840.34	4.29E-02	3.80E-02	6.15E-03	3.79E-03
565	567154.45	4216834.82	3.99E-02	3.54E-02	5.73E-03	3.53E-03
566	567146.54	4216829.31	3.66E-02	3.24E-02	5.25E-03	3.24E-03

567	567138.63	4216823.8	3.31E-02	2.93E-02	4.75E-03	2.92E-03
568	567114.91	4216807.25	2.31E-02	2.05E-02	3.32E-03	2.04E-03
569	567235.49	4216882.89	3.93E-02	3.47E-02	5.63E-03	3.47E-03
570	567243.8	4216896.15	4.11E-02	3.63E-02	5.89E-03	3.63E-03
571	567246.06	4216910.38	4.65E-02	4.12E-02	6.67E-03	4.11E-03
572	567215.52	4216865.22	3.97E-02	3.52E-02	5.70E-03	3.51E-03
573	567207.61	4216859.71	3.99E-02	3.53E-02	5.72E-03	3.52E-03
574	567199.7	4216854.19	3.95E-02	3.50E-02	5.66E-03	3.49E-03
575	567191.8	4216848.68	3.87E-02	3.42E-02	5.55E-03	3.42E-03
576	567183.89	4216843.16	3.75E-02	3.31E-02	5.37E-03	3.31E-03
577	567175.98	4216837.65	3.59E-02	3.17E-02	5.14E-03	3.17E-03
578	567168.07	4216832.14	3.39E-02	3.00E-02	4.87E-03	3.00E-03
579	567160.17	4216826.62	3.17E-02	2.81E-02	4.55E-03	2.80E-03
580	567152.26	4216821.11	2.93E-02	2.59E-02	4.20E-03	2.59E-03
581	567128.54	4216804.56	2.19E-02	1.94E-02	3.14E-03	1.93E-03
582	567120.63	4216799.05	1.97E-02	1.74E-02	2.82E-03	1.74E-03
583	567241.21	4216874.68	3.26E-02	2.88E-02	4.67E-03	2.87E-03
584	567249.52	4216887.95	3.42E-02	3.02E-02	4.90E-03	3.02E-03
585	567255.93	4216908.82	3.87E-02	3.42E-02	5.55E-03	3.42E-03
586	567252.14	4216924.01	4.75E-02	4.21E-02	6.82E-03	4.20E-03
587	567229.14	4216862.53	3.20E-02	2.83E-02	4.59E-03	2.83E-03
588	567221.24	4216857.02	3.24E-02	2.87E-02	4.65E-03	2.86E-03
589	567213.33	4216851.51	3.26E-02	2.88E-02	4.67E-03	2.88E-03
590	567205.42	4216845.99	3.22E-02	2.85E-02	4.62E-03	2.85E-03
591	567197.52	4216840.48	3.15E-02	2.79E-02	4.52E-03	2.78E-03
592	567189.61	4216834.96	3.05E-02	2.70E-02	4.37E-03	2.69E-03
593	567181.7	4216829.45	2.92E-02	2.59E-02	4.19E-03	2.58E-03
594	567173.79	4216823.93	2.77E-02	2.45E-02	3.98E-03	2.45E-03
595	567165.89	4216818.42	2.60E-02	2.30E-02	3.73E-03	2.30E-03
596	567142.17	4216801.88	2.05E-02	1.82E-02	2.94E-03	1.81E-03
597	567134.26	4216796.36	1.87E-02	1.66E-02	2.68E-03	1.65E-03
598	567126.35	4216790.85	1.70E-02	1.51E-02	2.44E-03	1.50E-03
599	567252.75	4216875.77	2.86E-02	2.53E-02	4.11E-03	2.53E-03
600	567257.73	4216883.73	2.93E-02	2.59E-02	4.20E-03	2.58E-03
601	567262.72	4216891.69	2.97E-02	2.62E-02	4.25E-03	2.62E-03
602	567265.43	4216908.77	3.34E-02	2.96E-02	4.79E-03	2.95E-03
603	567263.15	4216917.88	3.75E-02	3.32E-02	5.38E-03	3.31E-03
604	567260.88	4216927	4.20E-02	3.71E-02	6.02E-03	3.71E-03
605	567242.77	4216859.85	2.65E-02	2.35E-02	3.81E-03	2.34E-03
606	567234.86	4216854.33	2.68E-02	2.38E-02	3.85E-03	2.37E-03
607	567226.96	4216848.82	2.71E-02	2.39E-02	3.88E-03	2.39E-03
608	567219.05	4216843.3	2.71E-02	2.40E-02	3.89E-03	2.40E-03
609	567211.14	4216837.79	2.69E-02	2.38E-02	3.86E-03	2.37E-03
610	567203.24	4216832.27	2.63E-02	2.33E-02	3.77E-03	2.32E-03
611	567195.33	4216826.76	2.54E-02	2.25E-02	3.65E-03	2.25E-03
612	567187.42	4216821.25	2.44E-02	2.16E-02	3.50E-03	2.16E-03
613	567179.51	4216815.73	2.32E-02	2.06E-02	3.33E-03	2.05E-03
614	567171.61	4216810.22	2.19E-02	1.94E-02	3.14E-03	1.94E-03
615	567147.89	4216793.67	1.77E-02	1.56E-02	2.53E-03	1.56E-03
616	567139.98	4216788.16	1.63E-02	1.44E-02	2.33E-03	1.44E-03
617	567132.07	4216782.65	1.49E-02	1.32E-02	2.14E-03	1.32E-03
618	567263.04	4216874.86	2.52E-02	2.23E-02	3.61E-03	2.22E-03

619	567272.74	4216890.35	2.58E-02	2.28E-02	3.70E-03	2.28E-03
620	567275.37	4216906.95	2.87E-02	2.54E-02	4.12E-03	2.53E-03
621	567273.16	4216915.81	3.18E-02	2.81E-02	4.56E-03	2.81E-03
622	567268.73	4216933.53	3.88E-02	3.44E-02	5.57E-03	3.43E-03
623	567248.49	4216851.64	2.28E-02	2.02E-02	3.27E-03	2.01E-03
624	567240.58	4216846.13	2.30E-02	2.03E-02	3.29E-03	2.03E-03
625	567232.68	4216840.61	2.31E-02	2.04E-02	3.31E-03	2.04E-03
626	567224.77	4216835.1	2.31E-02	2.05E-02	3.32E-03	2.04E-03
627	567216.86	4216829.59	2.28E-02	2.02E-02	3.28E-03	2.02E-03
628	567208.96	4216824.07	2.23E-02	1.97E-02	3.20E-03	1.97E-03
629	567201.05	4216818.56	2.16E-02	1.91E-02	3.10E-03	1.91E-03
630	567193.14	4216813.04	2.08E-02	1.84E-02	2.98E-03	1.84E-03
631	567185.23	4216807.53	1.98E-02	1.76E-02	2.85E-03	1.75E-03
632	567161.51	4216790.99	1.66E-02	1.47E-02	2.38E-03	1.46E-03
633	567153.61	4216785.47	1.54E-02	1.36E-02	2.21E-03	1.36E-03
634	567145.7	4216779.96	1.43E-02	1.26E-02	2.05E-03	1.26E-03
635	567137.79	4216774.44	1.32E-02	1.17E-02	1.90E-03	1.17E-03
636	567258.96	4216851.02	2.06E-02	1.82E-02	2.95E-03	1.82E-03
637	567273.21	4216873.77	2.22E-02	1.96E-02	3.18E-03	1.96E-03
638	567282.71	4216888.94	2.27E-02	2.01E-02	3.25E-03	2.00E-03
639	567285.29	4216905.2	2.50E-02	2.21E-02	3.59E-03	2.21E-03
640	567283.12	4216913.88	2.74E-02	2.43E-02	3.93E-03	2.42E-03
641	567278.79	4216931.24	3.29E-02	2.91E-02	4.72E-03	2.91E-03
642	567246.3	4216837.93	2.00E-02	1.77E-02	2.86E-03	1.76E-03
643	567238.4	4216832.41	2.00E-02	1.77E-02	2.87E-03	1.77E-03
644	567230.49	4216826.9	2.00E-02	1.77E-02	2.87E-03	1.77E-03
645	567222.58	4216821.38	1.97E-02	1.74E-02	2.82E-03	1.74E-03
646	567214.68	4216815.87	1.92E-02	1.70E-02	2.76E-03	1.70E-03
647	567206.77	4216810.36	1.87E-02	1.65E-02	2.68E-03	1.65E-03
648	567198.86	4216804.84	1.80E-02	1.59E-02	2.58E-03	1.59E-03
649	567175.14	4216788.3	1.55E-02	1.37E-02	2.22E-03	1.37E-03
650	567167.23	4216782.78	1.45E-02	1.29E-02	2.09E-03	1.28E-03
651	567159.33	4216777.27	1.36E-02	1.20E-02	1.95E-03	1.20E-03
652	567151.42	4216771.76	1.27E-02	1.12E-02	1.82E-03	1.12E-03
653	567143.51	4216766.24	1.18E-02	1.05E-02	1.69E-03	1.04E-03
654	567264.61	4216842.7	1.80E-02	1.60E-02	2.59E-03	1.59E-03
655	567283.31	4216872.56	1.97E-02	1.74E-02	2.83E-03	1.74E-03
656	567292.66	4216887.49	2.01E-02	1.78E-02	2.88E-03	1.77E-03
657	567295.2	4216903.5	2.20E-02	1.95E-02	3.15E-03	1.94E-03
658	567290.93	4216920.59	2.60E-02	2.30E-02	3.73E-03	2.30E-03
659	567252.02	4216829.72	1.75E-02	1.55E-02	2.51E-03	1.55E-03
660	567244.12	4216824.21	1.75E-02	1.55E-02	2.52E-03	1.55E-03
661	567236.21	4216818.7	1.75E-02	1.55E-02	2.50E-03	1.54E-03
662	567228.3	4216813.18	1.72E-02	1.52E-02	2.47E-03	1.52E-03
663	567220.4	4216807.67	1.68E-02	1.49E-02	2.41E-03	1.48E-03
664	567212.49	4216802.15	1.63E-02	1.44E-02	2.34E-03	1.44E-03
665	567188.77	4216785.61	1.44E-02	1.27E-02	2.06E-03	1.27E-03
666	567180.86	4216780.1	1.37E-02	1.21E-02	1.96E-03	1.21E-03
667	567172.95	4216774.58	1.29E-02	1.14E-02	1.85E-03	1.14E-03
668	567165.05	4216769.07	1.21E-02	1.07E-02	1.74E-03	1.07E-03
669	567157.14	4216763.55	1.14E-02	1.01E-02	1.63E-03	1.00E-03
670	567149.23	4216758.04	1.06E-02	9.42E-03	1.53E-03	9.40E-04

671	567270.27	4216834.41	1.59E-02	1.41E-02	2.29E-03	1.41E-03
672	567279.51	4216849.15	1.68E-02	1.49E-02	2.41E-03	1.48E-03
673	567288.74	4216863.9	1.74E-02	1.54E-02	2.50E-03	1.54E-03
674	567297.98	4216878.64	1.78E-02	1.58E-02	2.55E-03	1.57E-03
675	567305.11	4216901.82	1.94E-02	1.72E-02	2.79E-03	1.72E-03
676	567300.89	4216918.7	2.28E-02	2.02E-02	3.27E-03	2.01E-03
677	567257.74	4216821.52	1.55E-02	1.37E-02	2.22E-03	1.37E-03
678	567249.84	4216816.01	1.55E-02	1.37E-02	2.22E-03	1.37E-03
679	567241.93	4216810.49	1.54E-02	1.36E-02	2.21E-03	1.36E-03
680	567234.02	4216804.98	1.52E-02	1.34E-02	2.17E-03	1.34E-03
681	567226.12	4216799.46	1.48E-02	1.31E-02	2.13E-03	1.31E-03
682	567202.39	4216782.92	1.34E-02	1.18E-02	1.92E-03	1.18E-03
683	567194.49	4216777.41	1.28E-02	1.13E-02	1.83E-03	1.13E-03
684	567186.58	4216771.89	1.22E-02	1.08E-02	1.75E-03	1.08E-03
685	567178.67	4216766.38	1.15E-02	1.02E-02	1.66E-03	1.02E-03
686	567170.77	4216760.86	1.09E-02	9.65E-03	1.56E-03	9.63E-04
687	567162.86	4216755.35	1.03E-02	9.09E-03	1.47E-03	9.07E-04
688	567154.95	4216749.84	9.67E-03	8.55E-03	1.39E-03	8.54E-04
689	567276.45	4216826.94	1.42E-02	1.26E-02	2.04E-03	1.26E-03
690	567281.53	4216835.05	1.47E-02	1.30E-02	2.11E-03	1.30E-03
691	567286.61	4216843.16	1.51E-02	1.33E-02	2.16E-03	1.33E-03
692	567296.77	4216859.38	1.57E-02	1.39E-02	2.24E-03	1.38E-03
693	567301.85	4216867.49	1.59E-02	1.40E-02	2.27E-03	1.40E-03
694	567306.93	4216875.6	1.60E-02	1.42E-02	2.29E-03	1.41E-03
695	567312.01	4216883.71	1.61E-02	1.42E-02	2.31E-03	1.42E-03
696	567314.77	4216901.1	1.75E-02	1.55E-02	2.51E-03	1.54E-03
697	567312.45	4216910.38	1.90E-02	1.68E-02	2.72E-03	1.68E-03
698	567310.13	4216919.66	2.06E-02	1.82E-02	2.96E-03	1.82E-03
699	567303.18	4216947.52	2.62E-02	2.32E-02	3.76E-03	2.32E-03
700	567271.37	4216818.83	1.38E-02	1.22E-02	1.97E-03	1.22E-03
701	567263.46	4216813.32	1.38E-02	1.22E-02	1.98E-03	1.22E-03
702	567255.56	4216807.81	1.38E-02	1.22E-02	1.97E-03	1.22E-03
703	567247.65	4216802.29	1.37E-02	1.21E-02	1.96E-03	1.21E-03
704	567239.74	4216796.78	1.35E-02	1.19E-02	1.94E-03	1.19E-03
705	567216.02	4216780.23	1.24E-02	1.10E-02	1.78E-03	1.10E-03
706	567208.11	4216774.72	1.20E-02	1.06E-02	1.72E-03	1.06E-03
707	567200.21	4216769.21	1.15E-02	1.01E-02	1.64E-03	1.01E-03
708	567192.3	4216763.69	1.09E-02	9.69E-03	1.57E-03	9.67E-04
709	567184.39	4216758.18	1.04E-02	9.21E-03	1.49E-03	9.19E-04
710	567176.49	4216752.66	9.87E-03	8.73E-03	1.42E-03	8.72E-04
711	567168.58	4216747.15	9.34E-03	8.26E-03	1.34E-03	8.25E-04
712	567160.67	4216741.63	8.83E-03	7.81E-03	1.27E-03	7.79E-04
713	567282.08	4216818.59	1.28E-02	1.13E-02	1.83E-03	1.13E-03
714	567287.07	4216826.55	1.32E-02	1.17E-02	1.89E-03	1.16E-03
715	567292.05	4216834.52	1.35E-02	1.20E-02	1.94E-03	1.19E-03
716	567297.04	4216842.48	1.38E-02	1.22E-02	1.98E-03	1.22E-03
717	567307.02	4216858.4	1.42E-02	1.26E-02	2.04E-03	1.26E-03
718	567312	4216866.36	1.44E-02	1.27E-02	2.06E-03	1.27E-03
719	567316.99	4216874.32	1.45E-02	1.28E-02	2.08E-03	1.28E-03
720	567321.98	4216882.29	1.45E-02	1.29E-02	2.08E-03	1.28E-03
721	567324.69	4216899.36	1.57E-02	1.39E-02	2.25E-03	1.38E-03
722	567322.41	4216908.48	1.69E-02	1.50E-02	2.43E-03	1.49E-03

723	567320.14	4216917.59	1.83E-02	1.62E-02	2.62E-03	1.61E-03
724	567313.31	4216944.93	2.30E-02	2.03E-02	3.30E-03	2.03E-03
725	567311.03	4216954.05	2.47E-02	2.18E-02	3.54E-03	2.18E-03
726	567277.09	4216810.63	1.24E-02	1.09E-02	1.77E-03	1.09E-03
727	567269.19	4216805.12	1.24E-02	1.10E-02	1.77E-03	1.09E-03
728	567261.28	4216799.6	1.23E-02	1.09E-02	1.77E-03	1.09E-03
729	567253.37	4216794.09	1.22E-02	1.08E-02	1.75E-03	1.08E-03
730	567245.46	4216788.57	1.21E-02	1.07E-02	1.73E-03	1.07E-03
731	567221.74	4216772.03	1.12E-02	9.89E-03	1.60E-03	9.87E-04
732	567213.84	4216766.52	1.08E-02	9.54E-03	1.55E-03	9.52E-04
733	567205.93	4216761	1.04E-02	9.16E-03	1.49E-03	9.15E-04
734	567198.02	4216755.49	9.91E-03	8.77E-03	1.42E-03	8.75E-04
735	567190.11	4216749.97	9.45E-03	8.37E-03	1.36E-03	8.35E-04
736	567182.21	4216744.46	8.99E-03	7.96E-03	1.29E-03	7.94E-04
737	567174.3	4216738.95	8.54E-03	7.55E-03	1.22E-03	7.54E-04
738	567166.39	4216733.43	8.10E-03	7.17E-03	1.16E-03	7.15E-04
739	567287.72	4216810.27	1.15E-02	1.02E-02	1.66E-03	1.02E-03
740	567297.55	4216825.95	1.22E-02	1.08E-02	1.75E-03	1.08E-03
741	567302.46	4216833.79	1.25E-02	1.10E-02	1.79E-03	1.10E-03
742	567317.2	4216857.32	1.30E-02	1.15E-02	1.86E-03	1.15E-03
743	567327.02	4216873	1.32E-02	1.16E-02	1.89E-03	1.16E-03
744	567331.93	4216880.84	1.32E-02	1.17E-02	1.89E-03	1.17E-03
745	567334.6	4216897.66	1.41E-02	1.25E-02	2.03E-03	1.25E-03
746	567332.36	4216906.63	1.52E-02	1.34E-02	2.18E-03	1.34E-03
747	567330.12	4216915.61	1.63E-02	1.44E-02	2.34E-03	1.44E-03
748	567323.39	4216942.54	2.03E-02	1.80E-02	2.91E-03	1.79E-03
749	567321.15	4216951.51	2.17E-02	1.92E-02	3.11E-03	1.92E-03
750	567282.81	4216802.43	1.12E-02	9.89E-03	1.60E-03	9.87E-04
751	567274.91	4216796.91	1.12E-02	9.89E-03	1.60E-03	9.87E-04
752	567267	4216791.4	1.11E-02	9.84E-03	1.59E-03	9.82E-04
753	567259.09	4216785.89	1.10E-02	9.75E-03	1.58E-03	9.73E-04
754	567235.37	4216769.34	1.04E-02	9.23E-03	1.50E-03	9.21E-04
755	567227.46	4216763.83	1.01E-02	8.95E-03	1.45E-03	8.94E-04
756	567219.56	4216758.31	9.78E-03	8.65E-03	1.40E-03	8.63E-04
757	567211.65	4216752.8	9.41E-03	8.33E-03	1.35E-03	8.31E-04
758	567203.74	4216747.29	9.03E-03	7.99E-03	1.29E-03	7.97E-04
759	567195.83	4216741.77	8.63E-03	7.64E-03	1.24E-03	7.62E-04
760	567187.93	4216736.26	8.23E-03	7.29E-03	1.18E-03	7.27E-04
761	567180.02	4216730.74	7.84E-03	6.94E-03	1.12E-03	6.92E-04
762	567172.11	4216725.23	7.46E-03	6.60E-03	1.07E-03	6.59E-04
763	567293.38	4216801.97	1.05E-02	9.28E-03	1.50E-03	9.26E-04
764	567303.08	4216817.45	1.11E-02	9.79E-03	1.59E-03	9.77E-04
765	567312.78	4216832.93	1.15E-02	1.02E-02	1.65E-03	1.02E-03
766	567332.17	4216863.89	1.20E-02	1.06E-02	1.72E-03	1.06E-03
767	567341.87	4216879.37	1.20E-02	1.07E-02	1.73E-03	1.06E-03
768	567344.51	4216895.97	1.28E-02	1.14E-02	1.84E-03	1.13E-03
769	567342.29	4216904.83	1.37E-02	1.21E-02	1.97E-03	1.21E-03
770	567333.44	4216940.28	1.80E-02	1.60E-02	2.59E-03	1.59E-03
771	567329.01	4216958	2.05E-02	1.82E-02	2.94E-03	1.81E-03
772	567288.53	4216794.23	1.02E-02	9.00E-03	1.46E-03	8.98E-04
773	567280.63	4216788.71	1.01E-02	8.98E-03	1.46E-03	8.96E-04
774	567272.72	4216783.2	1.01E-02	8.93E-03	1.45E-03	8.91E-04

775	567249	4216766.65	9.72E-03	8.60E-03	1.39E-03	8.58E-04
776	567241.09	4216761.14	9.48E-03	8.39E-03	1.36E-03	8.37E-04
777	567233.18	4216755.63	9.21E-03	8.15E-03	1.32E-03	8.13E-04
778	567225.28	4216750.11	8.91E-03	7.89E-03	1.28E-03	7.87E-04
779	567217.37	4216744.6	8.60E-03	7.61E-03	1.23E-03	7.59E-04
780	567209.46	4216739.08	8.26E-03	7.31E-03	1.18E-03	7.30E-04
781	567201.55	4216733.57	7.92E-03	7.01E-03	1.14E-03	6.99E-04
782	567193.65	4216728.05	7.58E-03	6.70E-03	1.09E-03	6.69E-04
783	567185.74	4216722.54	7.24E-03	6.41E-03	1.04E-03	6.39E-04
784	567177.83	4216717.03	6.91E-03	6.11E-03	9.91E-04	6.10E-04
785	567299.05	4216793.68	9.57E-03	8.47E-03	1.37E-03	8.45E-04
786	567303.84	4216801.33	9.83E-03	8.70E-03	1.41E-03	8.68E-04
787	567313.44	4216816.65	1.03E-02	9.12E-03	1.48E-03	9.10E-04
788	567318.23	4216824.3	1.05E-02	9.29E-03	1.50E-03	9.27E-04
789	567342.21	4216862.58	1.10E-02	9.75E-03	1.58E-03	9.73E-04
790	567351.8	4216877.89	1.10E-02	9.78E-03	1.58E-03	9.76E-04
791	567354.41	4216894.31	1.17E-02	1.04E-02	1.68E-03	1.03E-03
792	567350.03	4216911.84	1.33E-02	1.17E-02	1.90E-03	1.17E-03
793	567341.27	4216946.89	1.72E-02	1.52E-02	2.47E-03	1.52E-03
794	567336.89	4216964.42	1.94E-02	1.72E-02	2.79E-03	1.72E-03
795	567286.35	4216780.51	9.26E-03	8.20E-03	1.33E-03	8.18E-04
796	567262.62	4216763.97	8.99E-03	7.96E-03	1.29E-03	7.94E-04
797	567254.72	4216758.45	8.86E-03	7.84E-03	1.27E-03	7.82E-04
798	567246.81	4216752.94	8.67E-03	7.67E-03	1.24E-03	7.66E-04
799	567238.9	4216747.42	8.43E-03	7.46E-03	1.21E-03	7.44E-04
800	567231	4216741.91	8.17E-03	7.23E-03	1.17E-03	7.21E-04
801	567223.09	4216736.4	7.89E-03	6.98E-03	1.13E-03	6.97E-04
802	567215.18	4216730.88	7.60E-03	6.72E-03	1.09E-03	6.71E-04
803	567207.27	4216725.37	7.30E-03	6.46E-03	1.05E-03	6.45E-04
804	567199.37	4216719.85	7.01E-03	6.20E-03	1.00E-03	6.19E-04
805	567191.46	4216714.34	6.71E-03	5.94E-03	9.62E-04	5.93E-04
806	567305.09	4216785.99	8.78E-03	7.77E-03	1.26E-03	7.75E-04
807	567310.2	4216794.15	9.03E-03	7.99E-03	1.30E-03	7.98E-04
808	567315.32	4216802.32	9.27E-03	8.20E-03	1.33E-03	8.18E-04
809	567320.43	4216810.48	9.49E-03	8.40E-03	1.36E-03	8.38E-04
810	567325.55	4216818.65	9.68E-03	8.56E-03	1.39E-03	8.55E-04
811	567330.66	4216826.82	9.83E-03	8.70E-03	1.41E-03	8.68E-04
812	567335.78	4216834.98	9.95E-03	8.81E-03	1.43E-03	8.79E-04
813	567346.01	4216851.31	1.01E-02	8.95E-03	1.45E-03	8.93E-04
814	567351.13	4216859.48	1.02E-02	8.98E-03	1.46E-03	8.96E-04
815	567361.8	4216902.67	1.15E-02	1.02E-02	1.65E-03	1.01E-03
816	567354.8	4216930.72	1.40E-02	1.23E-02	2.00E-03	1.23E-03
817	567352.46	4216940.07	1.49E-02	1.32E-02	2.14E-03	1.32E-03
818	567350.13	4216949.41	1.59E-02	1.41E-02	2.29E-03	1.41E-03
819	567347.79	4216958.76	1.70E-02	1.51E-02	2.44E-03	1.50E-03
820	567345.46	4216968.11	1.81E-02	1.60E-02	2.60E-03	1.60E-03
821	567299.97	4216777.82	8.52E-03	7.54E-03	1.22E-03	7.52E-04
822	567276.25	4216761.28	8.35E-03	7.39E-03	1.20E-03	7.37E-04
823	567268.34	4216755.76	8.24E-03	7.29E-03	1.18E-03	7.27E-04
824	567260.44	4216750.25	8.12E-03	7.18E-03	1.16E-03	7.17E-04
825	567252.53	4216744.74	7.96E-03	7.05E-03	1.14E-03	7.03E-04
826	567244.62	4216739.22	7.75E-03	6.86E-03	1.11E-03	6.84E-04

827	567236.72	4216733.71	7.52E-03	6.65E-03	1.08E-03	6.64E-04
828	567228.81	4216728.19	7.27E-03	6.43E-03	1.04E-03	6.42E-04
829	567220.9	4216722.68	7.02E-03	6.21E-03	1.01E-03	6.20E-04
830	567212.99	4216717.16	6.76E-03	5.98E-03	9.69E-04	5.97E-04
831	567205.09	4216711.65	6.50E-03	5.75E-03	9.32E-04	5.74E-04
832	567310.74	4216777.68	8.08E-03	7.15E-03	1.16E-03	7.14E-04
833	567315.79	4216785.73	8.30E-03	7.34E-03	1.19E-03	7.33E-04
834	567320.83	4216793.79	8.51E-03	7.53E-03	1.22E-03	7.51E-04
835	567325.88	4216801.84	8.71E-03	7.71E-03	1.25E-03	7.69E-04
836	567330.93	4216809.9	8.89E-03	7.87E-03	1.28E-03	7.85E-04
837	567335.97	4216817.96	9.04E-03	8.00E-03	1.30E-03	7.99E-04
838	567371.3	4216874.35	9.39E-03	8.31E-03	1.35E-03	8.30E-04
839	567364.83	4216928.52	1.26E-02	1.12E-02	1.81E-03	1.12E-03
840	567362.52	4216937.75	1.35E-02	1.19E-02	1.93E-03	1.19E-03
841	567360.22	4216946.97	1.44E-02	1.27E-02	2.06E-03	1.27E-03
842	567357.92	4216956.19	1.53E-02	1.35E-02	2.19E-03	1.35E-03
843	567355.61	4216965.42	1.62E-02	1.44E-02	2.33E-03	1.43E-03
844	567289.88	4216758.59	7.77E-03	6.87E-03	1.11E-03	6.86E-04
845	567281.97	4216753.08	7.69E-03	6.80E-03	1.10E-03	6.79E-04
846	567274.06	4216747.56	7.59E-03	6.72E-03	1.09E-03	6.70E-04
847	567266.16	4216742.05	7.48E-03	6.62E-03	1.07E-03	6.60E-04
848	567258.25	4216736.53	7.34E-03	6.50E-03	1.05E-03	6.48E-04
849	567250.34	4216731.02	7.15E-03	6.33E-03	1.03E-03	6.32E-04
850	567242.44	4216725.5	6.95E-03	6.15E-03	9.96E-04	6.14E-04
851	567234.53	4216719.99	6.73E-03	5.95E-03	9.65E-04	5.94E-04
852	567226.62	4216714.48	6.51E-03	5.76E-03	9.33E-04	5.74E-04
853	567218.71	4216708.96	6.28E-03	5.56E-03	9.00E-04	5.54E-04
854	567316.4	4216769.38	7.48E-03	6.62E-03	1.07E-03	6.60E-04
855	567321.39	4216777.34	7.67E-03	6.79E-03	1.10E-03	6.77E-04
856	567326.38	4216785.3	7.85E-03	6.95E-03	1.13E-03	6.93E-04
857	567366.27	4216848.99	8.69E-03	7.69E-03	1.25E-03	7.67E-04
858	567371.26	4216856.96	8.70E-03	7.70E-03	1.25E-03	7.68E-04
859	567376.25	4216864.92	8.70E-03	7.69E-03	1.25E-03	7.68E-04
860	567381.24	4216872.88	8.69E-03	7.69E-03	1.25E-03	7.68E-04
861	567383.95	4216889.95	9.14E-03	8.09E-03	1.31E-03	8.07E-04
862	567381.67	4216899.07	9.65E-03	8.54E-03	1.38E-03	8.52E-04
863	567374.84	4216926.41	1.15E-02	1.02E-02	1.65E-03	1.02E-03
864	567372.56	4216935.53	1.23E-02	1.08E-02	1.76E-03	1.08E-03
865	567370.29	4216944.64	1.30E-02	1.15E-02	1.86E-03	1.15E-03
866	567368.01	4216953.76	1.38E-02	1.22E-02	1.98E-03	1.22E-03
867	567365.73	4216962.87	1.46E-02	1.29E-02	2.10E-03	1.29E-03
868	567363.46	4216971.99	1.55E-02	1.37E-02	2.22E-03	1.37E-03
869	567358.9	4216990.22	1.72E-02	1.52E-02	2.47E-03	1.52E-03
870	567356.63	4216999.33	1.80E-02	1.60E-02	2.59E-03	1.59E-03
871	567295.6	4216750.39	7.18E-03	6.35E-03	1.03E-03	6.34E-04
872	567287.69	4216744.87	7.10E-03	6.29E-03	1.02E-03	6.27E-04
873	567279.78	4216739.36	7.01E-03	6.21E-03	1.01E-03	6.19E-04
874	567271.88	4216733.85	6.91E-03	6.12E-03	9.92E-04	6.11E-04
875	567263.97	4216728.33	6.80E-03	6.01E-03	9.74E-04	6.00E-04
876	567256.06	4216722.82	6.63E-03	5.87E-03	9.51E-04	5.85E-04
877	567248.16	4216717.3	6.45E-03	5.70E-03	9.24E-04	5.69E-04
878	567240.25	4216711.79	6.25E-03	5.53E-03	8.96E-04	5.52E-04

879	567232.34	4216706.27	6.05E-03	5.35E-03	8.67E-04	5.34E-04
880	567351.68	4216808.36	7.85E-03	6.94E-03	1.12E-03	6.93E-04
881	567361.55	4216824.12	7.99E-03	7.07E-03	1.15E-03	7.06E-04
882	567376.36	4216847.76	8.06E-03	7.14E-03	1.16E-03	7.12E-04
883	567386.23	4216863.52	8.07E-03	7.14E-03	1.16E-03	7.13E-04
884	567391.17	4216871.39	8.07E-03	7.14E-03	1.16E-03	7.12E-04
885	567393.85	4216888.29	8.47E-03	7.50E-03	1.21E-03	7.48E-04
886	567391.59	4216897.31	8.92E-03	7.89E-03	1.28E-03	7.87E-04
887	567384.84	4216924.37	1.05E-02	9.33E-03	1.51E-03	9.31E-04
888	567382.58	4216933.39	1.12E-02	9.89E-03	1.60E-03	9.87E-04
889	567380.33	4216942.41	1.18E-02	1.05E-02	1.70E-03	1.04E-03
890	567378.08	4216951.43	1.25E-02	1.11E-02	1.79E-03	1.10E-03
891	567375.82	4216960.45	1.32E-02	1.17E-02	1.90E-03	1.17E-03
892	567373.57	4216969.47	1.40E-02	1.24E-02	2.00E-03	1.23E-03
893	567371.32	4216978.49	1.48E-02	1.31E-02	2.12E-03	1.30E-03
894	567366.81	4216996.53	1.63E-02	1.44E-02	2.34E-03	1.44E-03
895	567364.56	4217005.55	1.70E-02	1.51E-02	2.44E-03	1.50E-03
896	567362.31	4217014.57	1.77E-02	1.57E-02	2.54E-03	1.56E-03
897	567309.23	4216747.7	6.72E-03	5.95E-03	9.64E-04	5.93E-04
898	567301.32	4216742.19	6.66E-03	5.90E-03	9.55E-04	5.88E-04
899	567293.41	4216736.67	6.58E-03	5.83E-03	9.44E-04	5.81E-04
900	567285.51	4216731.16	6.50E-03	5.75E-03	9.32E-04	5.74E-04
901	567277.6	4216725.64	6.41E-03	5.67E-03	9.19E-04	5.66E-04
902	567269.69	4216720.13	6.31E-03	5.59E-03	9.05E-04	5.57E-04
903	567261.78	4216714.61	6.16E-03	5.45E-03	8.84E-04	5.44E-04
904	567253.88	4216709.1	6.00E-03	5.31E-03	8.60E-04	5.30E-04
905	567245.97	4216703.59	5.83E-03	5.16E-03	8.36E-04	5.15E-04
906	567238.06	4216698.07	5.65E-03	5.00E-03	8.10E-04	4.99E-04
907	567347.3	4216784.04	7.07E-03	6.25E-03	1.01E-03	6.24E-04
908	567352.19	4216791.84	7.19E-03	6.36E-03	1.03E-03	6.35E-04
909	567361.97	4216807.46	7.37E-03	6.52E-03	1.06E-03	6.51E-04
910	567366.86	4216815.26	7.45E-03	6.59E-03	1.07E-03	6.58E-04
911	567386.42	4216846.48	7.51E-03	6.64E-03	1.08E-03	6.63E-04
912	567391.31	4216854.29	7.52E-03	6.65E-03	1.08E-03	6.64E-04
913	567401.09	4216869.9	7.51E-03	6.65E-03	1.08E-03	6.63E-04
914	567403.74	4216886.64	7.87E-03	6.97E-03	1.13E-03	6.95E-04
915	567401.51	4216895.58	8.27E-03	7.32E-03	1.19E-03	7.30E-04
916	567394.82	4216922.38	9.70E-03	8.58E-03	1.39E-03	8.56E-04
917	567392.58	4216931.32	1.02E-02	9.07E-03	1.47E-03	9.05E-04
918	567390.35	4216940.26	1.08E-02	9.58E-03	1.55E-03	9.56E-04
919	567385.89	4216958.13	1.20E-02	1.06E-02	1.72E-03	1.06E-03
920	567383.66	4216967.06	1.26E-02	1.12E-02	1.81E-03	1.12E-03
921	567381.42	4216976	1.33E-02	1.18E-02	1.91E-03	1.18E-03
922	567374.73	4217002.81	1.55E-02	1.37E-02	2.22E-03	1.37E-03
923	567314.95	4216739.5	6.26E-03	5.54E-03	8.98E-04	5.53E-04
924	567307.04	4216733.98	6.21E-03	5.49E-03	8.90E-04	5.48E-04
925	567299.13	4216728.47	6.13E-03	5.42E-03	8.79E-04	5.41E-04
926	567291.23	4216722.95	6.05E-03	5.35E-03	8.68E-04	5.34E-04
927	567283.32	4216717.44	5.98E-03	5.29E-03	8.57E-04	5.28E-04
928	567275.41	4216711.93	5.88E-03	5.21E-03	8.43E-04	5.19E-04
929	567267.5	4216706.41	5.75E-03	5.09E-03	8.24E-04	5.07E-04
930	567259.6	4216700.9	5.60E-03	4.96E-03	8.03E-04	4.95E-04

931	567251.69	4216695.38	5.45E-03	4.82E-03	7.81E-04	4.81E-04
932	567220.06	4216673.33	4.80E-03	4.24E-03	6.88E-04	4.23E-04
933	567212.15	4216667.81	4.64E-03	4.10E-03	6.65E-04	4.09E-04
934	567347.97	4216767.77	6.47E-03	5.72E-03	9.27E-04	5.71E-04
935	567357.67	4216783.25	6.70E-03	5.93E-03	9.61E-04	5.92E-04
936	567367.36	4216798.73	6.88E-03	6.08E-03	9.86E-04	6.07E-04
937	567372.21	4216806.47	6.96E-03	6.16E-03	9.97E-04	6.14E-04
938	567381.91	4216821.95	7.00E-03	6.20E-03	1.00E-03	6.18E-04
939	567391.61	4216837.43	7.02E-03	6.21E-03	1.01E-03	6.20E-04
940	567401.31	4216852.92	7.02E-03	6.21E-03	1.01E-03	6.20E-04
941	567411	4216868.4	7.01E-03	6.20E-03	1.01E-03	6.19E-04
942	567413.64	4216885	7.33E-03	6.49E-03	1.05E-03	6.47E-04
943	567411.43	4216893.86	7.69E-03	6.81E-03	1.10E-03	6.79E-04
944	567404.79	4216920.44	8.95E-03	7.92E-03	1.28E-03	7.90E-04
945	567402.57	4216929.31	9.43E-03	8.35E-03	1.35E-03	8.33E-04
946	567398.15	4216947.03	1.05E-02	9.25E-03	1.50E-03	9.23E-04
947	567395.93	4216955.89	1.10E-02	9.73E-03	1.58E-03	9.71E-04
948	567393.72	4216964.75	1.15E-02	1.02E-02	1.66E-03	1.02E-03
949	567389.29	4216982.47	1.28E-02	1.13E-02	1.83E-03	1.13E-03
950	567382.65	4217009.06	1.47E-02	1.30E-02	2.10E-03	1.29E-03
951	567380.44	4217017.92	1.52E-02	1.35E-02	2.18E-03	1.35E-03
952	567304.85	4216720.27	5.74E-03	5.08E-03	8.23E-04	5.07E-04
953	567296.95	4216714.75	5.67E-03	5.01E-03	8.12E-04	5.00E-04
954	567289.04	4216709.24	5.59E-03	4.95E-03	8.02E-04	4.94E-04
955	567281.13	4216703.72	5.50E-03	4.86E-03	7.88E-04	4.85E-04
956	567273.22	4216698.21	5.37E-03	4.76E-03	7.71E-04	4.75E-04
957	567265.32	4216692.7	5.24E-03	4.64E-03	7.52E-04	4.63E-04
958	567233.69	4216670.64	4.66E-03	4.12E-03	6.68E-04	4.11E-04
959	567225.78	4216665.12	4.52E-03	4.00E-03	6.47E-04	3.99E-04
960	567217.87	4216659.61	4.37E-03	3.87E-03	6.27E-04	3.86E-04
961	567339.37	4216736.72	5.66E-03	5.01E-03	8.12E-04	5.00E-04
962	567344.45	4216744.83	5.81E-03	5.14E-03	8.32E-04	5.13E-04
963	567354.61	4216761.04	6.07E-03	5.37E-03	8.71E-04	5.36E-04
964	567359.69	4216769.15	6.19E-03	5.48E-03	8.88E-04	5.47E-04
965	567364.77	4216777.26	6.30E-03	5.57E-03	9.03E-04	5.56E-04
966	567369.85	4216785.37	6.39E-03	5.65E-03	9.16E-04	5.64E-04
967	567374.93	4216793.48	6.49E-03	5.74E-03	9.30E-04	5.73E-04
968	567380.01	4216801.59	6.53E-03	5.78E-03	9.37E-04	5.77E-04
969	567385.09	4216809.7	6.56E-03	5.80E-03	9.40E-04	5.79E-04
970	567390.17	4216817.81	6.57E-03	5.81E-03	9.42E-04	5.80E-04
971	567400.33	4216834.02	6.59E-03	5.83E-03	9.44E-04	5.82E-04
972	567405.41	4216842.13	6.58E-03	5.82E-03	9.44E-04	5.81E-04
973	567410.49	4216850.24	6.57E-03	5.82E-03	9.43E-04	5.80E-04
974	567415.57	4216858.35	6.57E-03	5.82E-03	9.42E-04	5.80E-04
975	567420.65	4216866.46	6.57E-03	5.82E-03	9.42E-04	5.80E-04
976	567423.41	4216883.85	6.88E-03	6.09E-03	9.86E-04	6.07E-04
977	567421.09	4216893.14	7.22E-03	6.39E-03	1.03E-03	6.37E-04
978	567414.14	4216920.99	8.41E-03	7.44E-03	1.21E-03	7.42E-04
979	567411.82	4216930.27	8.87E-03	7.85E-03	1.27E-03	7.83E-04
980	567409.5	4216939.55	9.34E-03	8.27E-03	1.34E-03	8.25E-04
981	567407.18	4216948.84	9.83E-03	8.70E-03	1.41E-03	8.68E-04
982	567404.86	4216958.12	1.03E-02	9.15E-03	1.48E-03	9.13E-04

983	567402.54	4216967.4	1.09E-02	9.62E-03	1.56E-03	9.60E-04
984	567400.22	4216976.69	1.15E-02	1.01E-02	1.64E-03	1.01E-03
985	567393.27	4217004.54	1.33E-02	1.17E-02	1.90E-03	1.17E-03
986	567390.95	4217013.82	1.38E-02	1.23E-02	1.99E-03	1.22E-03
987	567334.29	4216728.61	5.51E-03	4.88E-03	7.90E-04	4.87E-04
988	567302.67	4216706.55	5.32E-03	4.71E-03	7.63E-04	4.70E-04
989	567294.76	4216701.04	5.25E-03	4.65E-03	7.53E-04	4.64E-04
990	567286.85	4216695.52	5.15E-03	4.56E-03	7.39E-04	4.55E-04
991	567278.94	4216690.01	5.04E-03	4.46E-03	7.23E-04	4.45E-04
992	567247.32	4216667.95	4.53E-03	4.01E-03	6.49E-04	4.00E-04
993	567239.41	4216662.44	4.39E-03	3.89E-03	6.30E-04	3.88E-04
994	567231.5	4216656.92	4.26E-03	3.77E-03	6.11E-04	3.76E-04
995	567223.59	4216651.41	4.13E-03	3.66E-03	5.93E-04	3.65E-04
996	567345.05	4216728.44	5.31E-03	4.70E-03	7.61E-04	4.69E-04
997	567350.08	4216736.47	5.44E-03	4.81E-03	7.80E-04	4.80E-04
998	567365.17	4216760.56	5.80E-03	5.13E-03	8.31E-04	5.12E-04
999	567370.2	4216768.59	5.90E-03	5.22E-03	8.46E-04	5.21E-04
1000	567375.23	4216776.62	5.98E-03	5.29E-03	8.58E-04	5.28E-04
1001	567380.26	4216784.66	6.09E-03	5.39E-03	8.73E-04	5.38E-04
1002	567385.29	4216792.69	6.14E-03	5.43E-03	8.80E-04	5.42E-04
1003	567390.33	4216800.72	6.17E-03	5.46E-03	8.84E-04	5.44E-04
1004	567395.36	4216808.75	6.18E-03	5.47E-03	8.87E-04	5.46E-04
1005	567400.39	4216816.78	6.19E-03	5.47E-03	8.87E-04	5.46E-04
1006	567410.45	4216832.84	6.19E-03	5.48E-03	8.88E-04	5.47E-04
1007	567415.48	4216840.88	6.18E-03	5.47E-03	8.87E-04	5.46E-04
1008	567420.51	4216848.91	6.18E-03	5.47E-03	8.86E-04	5.46E-04
1009	567425.54	4216856.94	6.18E-03	5.47E-03	8.87E-04	5.46E-04
1010	567430.57	4216864.97	6.18E-03	5.47E-03	8.86E-04	5.46E-04
1011	567433.31	4216882.2	6.45E-03	5.71E-03	9.25E-04	5.70E-04
1012	567431.01	4216891.39	6.75E-03	5.97E-03	9.68E-04	5.96E-04
1013	567428.72	4216900.59	7.07E-03	6.26E-03	1.01E-03	6.24E-04
1014	567424.12	4216918.97	7.80E-03	6.90E-03	1.12E-03	6.89E-04
1015	567421.83	4216928.17	8.21E-03	7.26E-03	1.18E-03	7.25E-04
1016	567419.53	4216937.36	8.64E-03	7.64E-03	1.24E-03	7.63E-04
1017	567417.23	4216946.56	9.06E-03	8.02E-03	1.30E-03	8.00E-04
1018	567414.94	4216955.75	9.51E-03	8.42E-03	1.36E-03	8.40E-04
1019	567412.64	4216964.95	9.98E-03	8.83E-03	1.43E-03	8.81E-04
1020	567410.34	4216974.14	1.05E-02	9.29E-03	1.51E-03	9.27E-04
1021	567408.05	4216983.34	1.10E-02	9.77E-03	1.58E-03	9.75E-04
1022	567401.16	4217010.92	1.27E-02	1.12E-02	1.82E-03	1.12E-03
1023	567398.86	4217020.12	1.32E-02	1.17E-02	1.89E-03	1.16E-03
1024	567340.01	4216720.4	5.18E-03	4.58E-03	7.42E-04	4.57E-04
1025	567332.11	4216714.89	5.15E-03	4.56E-03	7.39E-04	4.55E-04
1026	567324.2	4216709.38	5.12E-03	4.53E-03	7.34E-04	4.52E-04
1027	567300.48	4216692.83	4.93E-03	4.37E-03	7.07E-04	4.36E-04
1028	567292.57	4216687.32	4.84E-03	4.28E-03	6.94E-04	4.27E-04
1029	567260.94	4216665.26	4.39E-03	3.89E-03	6.30E-04	3.88E-04
1030	567253.04	4216659.75	4.27E-03	3.78E-03	6.13E-04	3.77E-04
1031	567245.13	4216654.23	4.15E-03	3.67E-03	5.95E-04	3.67E-04
1032	567237.22	4216648.72	4.03E-03	3.57E-03	5.79E-04	3.56E-04
1033	567229.31	4216643.2	3.92E-03	3.47E-03	5.62E-04	3.46E-04
1034	567350.72	4216720.16	4.99E-03	4.42E-03	7.16E-04	4.41E-04

1035	567355.71	4216728.13	5.11E-03	4.52E-03	7.33E-04	4.51E-04
1036	567360.7	4216736.09	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1037	567370.67	4216752.01	5.44E-03	4.82E-03	7.80E-04	4.81E-04
1038	567375.66	4216759.97	5.53E-03	4.90E-03	7.94E-04	4.89E-04
1039	567380.65	4216767.93	5.65E-03	5.00E-03	8.10E-04	4.99E-04
1040	567385.63	4216775.89	5.72E-03	5.06E-03	8.20E-04	5.05E-04
1041	567390.62	4216783.86	5.77E-03	5.11E-03	8.28E-04	5.10E-04
1042	567395.61	4216791.82	5.81E-03	5.14E-03	8.33E-04	5.13E-04
1043	567400.6	4216799.78	5.83E-03	5.16E-03	8.36E-04	5.15E-04
1044	567410.57	4216815.7	5.83E-03	5.16E-03	8.37E-04	5.15E-04
1045	567420.55	4216831.63	5.84E-03	5.17E-03	8.37E-04	5.16E-04
1046	567425.53	4216839.59	5.84E-03	5.16E-03	8.37E-04	5.15E-04
1047	567430.52	4216847.55	5.83E-03	5.16E-03	8.36E-04	5.15E-04
1048	567435.51	4216855.51	5.83E-03	5.16E-03	8.36E-04	5.15E-04
1049	567440.49	4216863.47	5.82E-03	5.15E-03	8.35E-04	5.14E-04
1050	567443.21	4216880.55	6.06E-03	5.36E-03	8.69E-04	5.35E-04
1051	567440.93	4216889.66	6.33E-03	5.60E-03	9.08E-04	5.59E-04
1052	567438.65	4216898.78	6.62E-03	5.85E-03	9.49E-04	5.84E-04
1053	567434.1	4216917.01	7.26E-03	6.43E-03	1.04E-03	6.41E-04
1054	567431.82	4216926.12	7.62E-03	6.74E-03	1.09E-03	6.73E-04
1055	567429.55	4216935.24	8.00E-03	7.08E-03	1.15E-03	7.07E-04
1056	567427.27	4216944.35	8.38E-03	7.42E-03	1.20E-03	7.40E-04
1057	567424.99	4216953.47	8.78E-03	7.77E-03	1.26E-03	7.75E-04
1058	567422.72	4216962.58	9.19E-03	8.14E-03	1.32E-03	8.12E-04
1059	567420.44	4216971.69	9.65E-03	8.54E-03	1.38E-03	8.52E-04
1060	567418.16	4216980.81	1.01E-02	8.97E-03	1.45E-03	8.95E-04
1061	567415.89	4216989.92	1.06E-02	9.41E-03	1.53E-03	9.39E-04
1062	567411.33	4217008.15	1.16E-02	1.03E-02	1.67E-03	1.03E-03
1063	567409.05	4217017.27	1.21E-02	1.07E-02	1.73E-03	1.07E-03
1064	567345.73	4216712.2	4.88E-03	4.32E-03	6.99E-04	4.31E-04
1065	567337.83	4216706.69	4.85E-03	4.29E-03	6.96E-04	4.28E-04
1066	567329.92	4216701.17	4.82E-03	4.26E-03	6.91E-04	4.25E-04
1067	567322.01	4216695.66	4.77E-03	4.22E-03	6.84E-04	4.21E-04
1068	567266.66	4216657.06	4.15E-03	3.67E-03	5.95E-04	3.66E-04
1069	567258.76	4216651.55	4.04E-03	3.57E-03	5.79E-04	3.57E-04
1070	567250.85	4216646.03	3.93E-03	3.48E-03	5.64E-04	3.47E-04
1071	567242.94	4216640.52	3.82E-03	3.38E-03	5.48E-04	3.38E-04
1072	567235.03	4216635	3.72E-03	3.29E-03	5.33E-04	3.28E-04
1073	567356.4	4216711.9	4.71E-03	4.17E-03	6.76E-04	4.16E-04
1074	567361.35	4216719.8	4.82E-03	4.26E-03	6.91E-04	4.25E-04
1075	567371.25	4216735.59	5.02E-03	4.45E-03	7.20E-04	4.44E-04
1076	567381.14	4216751.39	5.24E-03	4.64E-03	7.52E-04	4.63E-04
1077	567386.09	4216759.29	5.32E-03	4.71E-03	7.63E-04	4.70E-04
1078	567391.04	4216767.19	5.38E-03	4.76E-03	7.72E-04	4.75E-04
1079	567395.98	4216775.09	5.44E-03	4.81E-03	7.80E-04	4.80E-04
1080	567400.93	4216782.98	5.48E-03	4.85E-03	7.86E-04	4.84E-04
1081	567405.88	4216790.88	5.51E-03	4.87E-03	7.90E-04	4.86E-04
1082	567410.83	4216798.78	5.52E-03	4.88E-03	7.91E-04	4.87E-04
1083	567430.62	4216830.37	5.52E-03	4.89E-03	7.92E-04	4.88E-04
1084	567435.57	4216838.27	5.52E-03	4.88E-03	7.91E-04	4.87E-04
1085	567445.46	4216854.07	5.50E-03	4.87E-03	7.89E-04	4.86E-04
1086	567450.41	4216861.97	5.51E-03	4.87E-03	7.90E-04	4.86E-04

1087	567453.1	4216878.91	5.72E-03	5.07E-03	8.21E-04	5.05E-04
1088	567450.84	4216887.95	5.96E-03	5.27E-03	8.54E-04	5.26E-04
1089	567448.58	4216896.99	6.21E-03	5.49E-03	8.90E-04	5.48E-04
1090	567441.81	4216924.12	7.10E-03	6.28E-03	1.02E-03	6.27E-04
1091	567439.55	4216933.16	7.44E-03	6.58E-03	1.07E-03	6.57E-04
1092	567437.29	4216942.2	7.78E-03	6.88E-03	1.12E-03	6.87E-04
1093	567435.03	4216951.25	8.13E-03	7.20E-03	1.17E-03	7.18E-04
1094	567432.77	4216960.29	8.50E-03	7.52E-03	1.22E-03	7.51E-04
1095	567430.51	4216969.33	8.90E-03	7.88E-03	1.28E-03	7.86E-04
1096	567428.25	4216978.37	9.34E-03	8.26E-03	1.34E-03	8.24E-04
1097	567426	4216987.42	9.79E-03	8.66E-03	1.40E-03	8.64E-04
1098	567351.45	4216704	4.61E-03	4.08E-03	6.60E-04	4.07E-04
1099	567343.55	4216698.49	4.58E-03	4.05E-03	6.57E-04	4.04E-04
1100	567335.64	4216692.97	4.54E-03	4.02E-03	6.52E-04	4.01E-04
1101	567327.73	4216687.46	4.50E-03	3.98E-03	6.45E-04	3.97E-04
1102	567319.83	4216681.94	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1103	567280.29	4216654.37	4.03E-03	3.56E-03	5.77E-04	3.56E-04
1104	567272.38	4216648.86	3.93E-03	3.48E-03	5.63E-04	3.47E-04
1105	567264.48	4216643.34	3.83E-03	3.39E-03	5.49E-04	3.38E-04
1106	567256.57	4216637.83	3.73E-03	3.30E-03	5.34E-04	3.29E-04
1107	567248.66	4216632.31	3.63E-03	3.21E-03	5.20E-04	3.20E-04
1108	567240.75	4216626.8	3.53E-03	3.12E-03	5.06E-04	3.12E-04
1109	567362.09	4216703.64	4.46E-03	3.94E-03	6.39E-04	3.93E-04
1110	567367	4216711.48	4.55E-03	4.03E-03	6.53E-04	4.02E-04
1111	567371.91	4216719.32	4.65E-03	4.11E-03	6.66E-04	4.10E-04
1112	567381.73	4216735	4.86E-03	4.30E-03	6.98E-04	4.30E-04
1113	567396.47	4216758.53	5.08E-03	4.49E-03	7.28E-04	4.48E-04
1114	567401.38	4216766.37	5.13E-03	4.54E-03	7.36E-04	4.53E-04
1115	567411.2	4216782.05	5.20E-03	4.61E-03	7.46E-04	4.60E-04
1116	567416.12	4216789.89	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1117	567425.94	4216805.57	5.24E-03	4.64E-03	7.52E-04	4.63E-04
1118	567445.59	4216836.93	5.23E-03	4.62E-03	7.49E-04	4.61E-04
1119	567450.5	4216844.78	5.22E-03	4.62E-03	7.49E-04	4.61E-04
1120	567460.32	4216860.46	5.22E-03	4.62E-03	7.49E-04	4.61E-04
1121	567462.99	4216877.27	5.42E-03	4.79E-03	7.77E-04	4.78E-04
1122	567460.75	4216886.25	5.62E-03	4.97E-03	8.06E-04	4.96E-04
1123	567451.78	4216922.16	6.63E-03	5.87E-03	9.51E-04	5.85E-04
1124	567449.54	4216931.13	6.93E-03	6.13E-03	9.94E-04	6.12E-04
1125	567447.3	4216940.11	7.24E-03	6.41E-03	1.04E-03	6.40E-04
1126	567445.05	4216949.09	7.56E-03	6.69E-03	1.08E-03	6.67E-04
1127	567442.81	4216958.06	7.89E-03	6.98E-03	1.13E-03	6.97E-04
1128	567440.57	4216967.04	8.24E-03	7.29E-03	1.18E-03	7.27E-04
1129	567438.33	4216976.02	8.63E-03	7.63E-03	1.24E-03	7.62E-04
1130	567436.09	4216984.99	9.03E-03	7.99E-03	1.30E-03	7.98E-04
1131	567433.84	4216993.97	9.45E-03	8.36E-03	1.36E-03	8.35E-04
1132	567349.27	4216690.28	4.33E-03	3.83E-03	6.21E-04	3.82E-04
1133	567341.36	4216684.77	4.29E-03	3.80E-03	6.15E-04	3.79E-04
1134	567333.45	4216679.25	4.25E-03	3.76E-03	6.09E-04	3.75E-04
1135	567325.55	4216673.74	4.20E-03	3.72E-03	6.03E-04	3.71E-04
1136	567293.92	4216651.68	3.90E-03	3.45E-03	5.60E-04	3.45E-04
1137	567286.01	4216646.17	3.82E-03	3.38E-03	5.47E-04	3.37E-04
1138	567278.1	4216640.65	3.72E-03	3.30E-03	5.34E-04	3.29E-04

1139	567270.2	4216635.14	3.63E-03	3.21E-03	5.21E-04	3.21E-04
1140	567262.29	4216629.63	3.54E-03	3.13E-03	5.08E-04	3.13E-04
1141	567254.38	4216624.11	3.45E-03	3.05E-03	4.95E-04	3.05E-04
1142	567246.48	4216618.6	3.36E-03	2.97E-03	4.82E-04	2.97E-04
1143	567368	4216695.74	4.22E-03	3.74E-03	6.05E-04	3.73E-04
1144	567373.1	4216703.88	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1145	567378.2	4216712.02	4.41E-03	3.90E-03	6.32E-04	3.89E-04
1146	567383.3	4216720.17	4.53E-03	4.01E-03	6.50E-04	4.00E-04
1147	567388.4	4216728.31	4.62E-03	4.09E-03	6.62E-04	4.08E-04
1148	567398.6	4216744.59	4.76E-03	4.22E-03	6.83E-04	4.21E-04
1149	567403.7	4216752.74	4.82E-03	4.27E-03	6.91E-04	4.26E-04
1150	567408.8	4216760.88	4.87E-03	4.31E-03	6.98E-04	4.30E-04
1151	567413.9	4216769.02	4.91E-03	4.34E-03	7.04E-04	4.33E-04
1152	567419	4216777.16	4.94E-03	4.37E-03	7.09E-04	4.36E-04
1153	567424.1	4216785.31	4.97E-03	4.40E-03	7.13E-04	4.39E-04
1154	567429.2	4216793.45	4.98E-03	4.41E-03	7.14E-04	4.40E-04
1155	567434.31	4216801.59	4.98E-03	4.41E-03	7.14E-04	4.40E-04
1156	567449.61	4216826.02	4.97E-03	4.40E-03	7.13E-04	4.39E-04
1157	567454.71	4216834.16	4.97E-03	4.40E-03	7.13E-04	4.39E-04
1158	567459.81	4216842.3	4.96E-03	4.39E-03	7.12E-04	4.38E-04
1159	567464.91	4216850.45	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1160	567470.01	4216858.59	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1161	567472.78	4216876.05	5.14E-03	4.55E-03	7.37E-04	4.54E-04
1162	567470.45	4216885.37	5.33E-03	4.72E-03	7.65E-04	4.71E-04
1163	567468.13	4216894.7	5.54E-03	4.90E-03	7.94E-04	4.89E-04
1164	567465.8	4216904.02	5.76E-03	5.10E-03	8.26E-04	5.09E-04
1165	567458.81	4216931.98	6.57E-03	5.81E-03	9.42E-04	5.80E-04
1166	567456.48	4216941.3	6.86E-03	6.07E-03	9.84E-04	6.06E-04
1167	567454.16	4216950.63	7.17E-03	6.34E-03	1.03E-03	6.33E-04
1168	567451.83	4216959.95	7.49E-03	6.63E-03	1.07E-03	6.62E-04
1169	567449.5	4216969.27	7.83E-03	6.93E-03	1.12E-03	6.91E-04
1170	567447.17	4216978.59	8.20E-03	7.25E-03	1.18E-03	7.24E-04
1171	567444.84	4216987.91	8.58E-03	7.60E-03	1.23E-03	7.58E-04
1172	567362.9	4216687.6	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1173	567354.99	4216682.08	4.09E-03	3.62E-03	5.87E-04	3.61E-04
1174	567347.08	4216676.57	4.06E-03	3.59E-03	5.82E-04	3.58E-04
1175	567339.17	4216671.05	4.02E-03	3.56E-03	5.76E-04	3.55E-04
1176	567307.55	4216649	3.78E-03	3.34E-03	5.42E-04	3.34E-04
1177	567299.64	4216643.48	3.70E-03	3.28E-03	5.31E-04	3.27E-04
1178	567291.73	4216637.97	3.62E-03	3.20E-03	5.19E-04	3.20E-04
1179	567283.82	4216632.45	3.54E-03	3.13E-03	5.07E-04	3.12E-04
1180	567275.92	4216626.94	3.45E-03	3.06E-03	4.95E-04	3.05E-04
1181	567268.01	4216621.42	3.37E-03	2.98E-03	4.83E-04	2.98E-04
1182	567260.1	4216615.91	3.29E-03	2.91E-03	4.71E-04	2.90E-04
1183	567252.2	4216610.4	3.20E-03	2.83E-03	4.59E-04	2.83E-04
1184	567373.68	4216687.47	4.00E-03	3.54E-03	5.73E-04	3.53E-04
1185	567378.73	4216695.55	4.09E-03	3.62E-03	5.86E-04	3.61E-04
1186	567383.79	4216703.62	4.17E-03	3.69E-03	5.99E-04	3.69E-04
1187	567388.85	4216711.7	4.26E-03	3.77E-03	6.11E-04	3.76E-04
1188	567393.91	4216719.78	4.38E-03	3.87E-03	6.27E-04	3.86E-04
1189	567398.97	4216727.85	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1190	567409.09	4216744.01	4.57E-03	4.04E-03	6.55E-04	4.03E-04

1191	567414.15	4216752.09	4.61E-03	4.08E-03	6.61E-04	4.07E-04
1192	567419.21	4216760.16	4.65E-03	4.12E-03	6.67E-04	4.11E-04
1193	567424.27	4216768.24	4.69E-03	4.15E-03	6.72E-04	4.14E-04
1194	567429.33	4216776.32	4.71E-03	4.17E-03	6.76E-04	4.16E-04
1195	567434.39	4216784.39	4.74E-03	4.19E-03	6.79E-04	4.18E-04
1196	567439.45	4216792.47	4.74E-03	4.20E-03	6.80E-04	4.19E-04
1197	567444.51	4216800.55	4.74E-03	4.20E-03	6.80E-04	4.19E-04
1198	567459.69	4216824.78	4.74E-03	4.19E-03	6.79E-04	4.18E-04
1199	567464.75	4216832.85	4.73E-03	4.19E-03	6.79E-04	4.18E-04
1200	567469.81	4216840.93	4.72E-03	4.18E-03	6.77E-04	4.17E-04
1201	567474.87	4216849.01	4.72E-03	4.17E-03	6.76E-04	4.17E-04
1202	567479.93	4216857.09	4.71E-03	4.17E-03	6.75E-04	4.16E-04
1203	567482.68	4216874.41	4.87E-03	4.31E-03	6.98E-04	4.30E-04
1204	567480.37	4216883.66	5.05E-03	4.47E-03	7.24E-04	4.46E-04
1205	567478.06	4216892.9	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1206	567475.75	4216902.15	5.43E-03	4.80E-03	7.78E-04	4.79E-04
1207	567468.82	4216929.89	6.15E-03	5.44E-03	8.81E-04	5.43E-04
1208	567466.51	4216939.14	6.42E-03	5.68E-03	9.20E-04	5.67E-04
1209	567464.2	4216948.38	6.69E-03	5.92E-03	9.60E-04	5.91E-04
1210	567461.89	4216957.63	6.99E-03	6.18E-03	1.00E-03	6.17E-04
1211	567459.58	4216966.88	7.30E-03	6.46E-03	1.05E-03	6.44E-04
1212	567457.27	4216976.12	7.63E-03	6.75E-03	1.09E-03	6.74E-04
1213	567454.96	4216985.37	7.98E-03	7.06E-03	1.14E-03	7.05E-04
1214	567452.65	4216994.62	8.34E-03	7.38E-03	1.20E-03	7.36E-04
1215	567368.62	4216679.39	3.90E-03	3.45E-03	5.60E-04	3.45E-04
1216	567360.71	4216673.88	3.88E-03	3.43E-03	5.56E-04	3.42E-04
1217	567352.8	4216668.36	3.84E-03	3.40E-03	5.51E-04	3.39E-04
1218	567321.17	4216646.31	3.66E-03	3.24E-03	5.24E-04	3.23E-04
1219	567313.27	4216640.79	3.59E-03	3.18E-03	5.15E-04	3.17E-04
1220	567305.36	4216635.28	3.52E-03	3.11E-03	5.04E-04	3.11E-04
1221	567297.45	4216629.76	3.44E-03	3.05E-03	4.94E-04	3.04E-04
1222	567289.54	4216624.25	3.37E-03	2.98E-03	4.83E-04	2.97E-04
1223	567281.64	4216618.74	3.29E-03	2.91E-03	4.72E-04	2.91E-04
1224	567273.73	4216613.22	3.21E-03	2.84E-03	4.61E-04	2.84E-04
1225	567265.82	4216607.71	3.14E-03	2.77E-03	4.50E-04	2.77E-04
1226	567257.92	4216602.19	3.06E-03	2.71E-03	4.38E-04	2.70E-04
1227	567379.36	4216679.21	3.80E-03	3.36E-03	5.44E-04	3.35E-04
1228	567384.38	4216687.22	3.88E-03	3.43E-03	5.56E-04	3.43E-04
1229	567389.4	4216695.24	3.96E-03	3.51E-03	5.68E-04	3.50E-04
1230	567394.42	4216703.26	4.04E-03	3.58E-03	5.80E-04	3.57E-04
1231	567399.45	4216711.27	4.12E-03	3.64E-03	5.91E-04	3.64E-04
1232	567404.47	4216719.29	4.22E-03	3.74E-03	6.05E-04	3.73E-04
1233	567409.49	4216727.31	4.28E-03	3.79E-03	6.14E-04	3.78E-04
1234	567419.53	4216743.34	4.38E-03	3.88E-03	6.28E-04	3.87E-04
1235	567424.56	4216751.36	4.42E-03	3.91E-03	6.34E-04	3.90E-04
1236	567429.58	4216759.38	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1237	567434.6	4216767.39	4.48E-03	3.96E-03	6.42E-04	3.96E-04
1238	567439.62	4216775.41	4.50E-03	3.98E-03	6.46E-04	3.97E-04
1239	567444.64	4216783.43	4.52E-03	4.00E-03	6.48E-04	3.99E-04
1240	567449.67	4216791.44	4.52E-03	4.00E-03	6.49E-04	3.99E-04
1241	567454.69	4216799.46	4.52E-03	4.00E-03	6.49E-04	3.99E-04
1242	567464.73	4216815.49	4.52E-03	4.00E-03	6.48E-04	3.99E-04

1243	567469.75	4216823.51	4.52E-03	4.00E-03	6.48E-04	3.99E-04
1244	567474.78	4216831.53	4.51E-03	3.99E-03	6.47E-04	3.98E-04
1245	567479.8	4216839.54	4.50E-03	3.98E-03	6.46E-04	3.98E-04
1246	567484.82	4216847.56	4.49E-03	3.97E-03	6.44E-04	3.97E-04
1247	567489.84	4216855.58	4.48E-03	3.97E-03	6.43E-04	3.96E-04
1248	567492.57	4216872.77	4.62E-03	4.09E-03	6.62E-04	4.08E-04
1249	567490.28	4216881.95	4.78E-03	4.23E-03	6.86E-04	4.22E-04
1250	567487.99	4216891.13	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1251	567485.69	4216900.31	5.14E-03	4.55E-03	7.37E-04	4.54E-04
1252	567483.4	4216909.48	5.33E-03	4.72E-03	7.65E-04	4.71E-04
1253	567476.52	4216937.02	6.02E-03	5.32E-03	8.63E-04	5.31E-04
1254	567474.23	4216946.2	6.27E-03	5.54E-03	8.99E-04	5.53E-04
1255	567471.94	4216955.37	6.53E-03	5.78E-03	9.37E-04	5.77E-04
1256	567469.65	4216964.55	6.81E-03	6.03E-03	9.77E-04	6.02E-04
1257	567467.35	4216973.73	7.11E-03	6.29E-03	1.02E-03	6.28E-04
1258	567465.06	4216982.91	7.43E-03	6.57E-03	1.06E-03	6.56E-04
1259	567462.77	4216992.09	7.75E-03	6.86E-03	1.11E-03	6.85E-04
1260	567460.48	4217001.26	8.09E-03	7.16E-03	1.16E-03	7.15E-04
1261	567374.34	4216671.19	3.71E-03	3.28E-03	5.32E-04	3.27E-04
1262	567366.43	4216665.68	3.68E-03	3.26E-03	5.28E-04	3.25E-04
1263	567334.8	4216643.62	3.52E-03	3.12E-03	5.05E-04	3.11E-04
1264	567326.89	4216638.1	3.48E-03	3.08E-03	4.98E-04	3.07E-04
1265	567318.99	4216632.59	3.41E-03	3.02E-03	4.90E-04	3.01E-04
1266	567311.08	4216627.08	3.35E-03	2.96E-03	4.80E-04	2.96E-04
1267	567303.17	4216621.56	3.28E-03	2.90E-03	4.70E-04	2.90E-04
1268	567295.26	4216616.05	3.21E-03	2.84E-03	4.60E-04	2.83E-04
1269	567287.36	4216610.53	3.14E-03	2.78E-03	4.50E-04	2.77E-04
1270	567279.45	4216605.02	3.07E-03	2.71E-03	4.40E-04	2.71E-04
1271	567271.54	4216599.5	2.99E-03	2.65E-03	4.29E-04	2.64E-04
1272	567263.64	4216593.99	2.92E-03	2.59E-03	4.19E-04	2.58E-04
1273	567385.04	4216670.95	3.61E-03	3.19E-03	5.18E-04	3.19E-04
1274	567390.03	4216678.91	3.69E-03	3.27E-03	5.29E-04	3.26E-04
1275	567395.02	4216686.87	3.77E-03	3.34E-03	5.40E-04	3.33E-04
1276	567400.01	4216694.83	3.84E-03	3.40E-03	5.51E-04	3.40E-04
1277	567404.99	4216702.8	3.92E-03	3.46E-03	5.61E-04	3.46E-04
1278	567409.98	4216710.76	3.98E-03	3.52E-03	5.71E-04	3.52E-04
1279	567429.93	4216742.6	4.20E-03	3.72E-03	6.03E-04	3.71E-04
1280	567434.92	4216750.57	4.23E-03	3.75E-03	6.07E-04	3.74E-04
1281	567439.9	4216758.53	4.26E-03	3.77E-03	6.11E-04	3.76E-04
1282	567444.89	4216766.49	4.29E-03	3.79E-03	6.15E-04	3.78E-04
1283	567449.88	4216774.45	4.30E-03	3.81E-03	6.17E-04	3.80E-04
1284	567454.87	4216782.41	4.31E-03	3.82E-03	6.19E-04	3.81E-04
1285	567459.85	4216790.37	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1286	567464.84	4216798.33	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1287	567474.82	4216814.26	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1288	567479.8	4216822.22	4.31E-03	3.82E-03	6.18E-04	3.81E-04
1289	567484.79	4216830.18	4.31E-03	3.81E-03	6.17E-04	3.80E-04
1290	567489.78	4216838.14	4.30E-03	3.80E-03	6.16E-04	3.79E-04
1291	567494.77	4216846.1	4.28E-03	3.79E-03	6.14E-04	3.78E-04
1292	567493.36	4216907.6	5.04E-03	4.46E-03	7.23E-04	4.45E-04
1293	567484.25	4216944.06	5.89E-03	5.21E-03	8.45E-04	5.20E-04
1294	567481.97	4216953.17	6.13E-03	5.43E-03	8.79E-04	5.41E-04

1295	567479.7	4216962.29	6.39E-03	5.65E-03	9.16E-04	5.64E-04
1296	567477.42	4216971.4	6.65E-03	5.89E-03	9.54E-04	5.88E-04
1297	567475.14	4216980.52	6.93E-03	6.14E-03	9.94E-04	6.12E-04
1298	567472.87	4216989.63	7.23E-03	6.40E-03	1.04E-03	6.38E-04
1299	567470.59	4216998.75	7.54E-03	6.67E-03	1.08E-03	6.66E-04
1300	567380.06	4216662.99	3.53E-03	3.12E-03	5.06E-04	3.11E-04
1301	567340.52	4216635.42	3.35E-03	2.96E-03	4.80E-04	2.96E-04
1302	567332.61	4216629.9	3.31E-03	2.93E-03	4.74E-04	2.92E-04
1303	567324.71	4216624.39	3.25E-03	2.88E-03	4.66E-04	2.87E-04
1304	567316.8	4216618.87	3.19E-03	2.82E-03	4.58E-04	2.82E-04
1305	567308.89	4216613.36	3.13E-03	2.77E-03	4.48E-04	2.76E-04
1306	567300.98	4216607.85	3.06E-03	2.71E-03	4.39E-04	2.70E-04
1307	567293.08	4216602.33	2.99E-03	2.65E-03	4.29E-04	2.64E-04
1308	567285.17	4216596.82	2.93E-03	2.59E-03	4.20E-04	2.59E-04
1309	567277.26	4216591.3	2.86E-03	2.53E-03	4.10E-04	2.53E-04
1310	567269.36	4216585.79	2.80E-03	2.47E-03	4.01E-04	2.47E-04
1311	567390.73	4216662.7	3.44E-03	3.04E-03	4.93E-04	3.04E-04
1312	567395.69	4216670.61	3.51E-03	3.11E-03	5.04E-04	3.10E-04
1313	567400.64	4216678.52	3.59E-03	3.17E-03	5.14E-04	3.17E-04
1314	567405.6	4216686.43	3.66E-03	3.24E-03	5.25E-04	3.23E-04
1315	567410.55	4216694.34	3.73E-03	3.30E-03	5.34E-04	3.29E-04
1316	567420.46	4216710.16	3.84E-03	3.40E-03	5.51E-04	3.39E-04
1317	567425.42	4216718.07	3.92E-03	3.47E-03	5.63E-04	3.47E-04
1318	567435.33	4216733.89	4.00E-03	3.54E-03	5.74E-04	3.53E-04
1319	567440.29	4216741.8	4.03E-03	3.57E-03	5.78E-04	3.56E-04
1320	567450.2	4216757.62	4.09E-03	3.62E-03	5.86E-04	3.61E-04
1321	567455.15	4216765.53	4.11E-03	3.63E-03	5.89E-04	3.63E-04
1322	567460.11	4216773.44	4.12E-03	3.64E-03	5.91E-04	3.64E-04
1323	567465.06	4216781.35	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1324	567470.02	4216789.26	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1325	567474.97	4216797.18	4.13E-03	3.65E-03	5.92E-04	3.64E-04
1326	567484.88	4216813	4.13E-03	3.65E-03	5.92E-04	3.64E-04
1327	567489.84	4216820.91	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1328	567494.79	4216828.82	4.11E-03	3.64E-03	5.90E-04	3.63E-04
1329	567492	4216951.02	5.77E-03	5.11E-03	8.27E-04	5.09E-04
1330	567489.73	4216960.08	6.00E-03	5.31E-03	8.61E-04	5.30E-04
1331	567487.47	4216969.13	6.25E-03	5.53E-03	8.96E-04	5.52E-04
1332	567485.21	4216978.19	6.50E-03	5.75E-03	9.32E-04	5.74E-04
1333	567482.95	4216987.25	6.77E-03	5.99E-03	9.71E-04	5.98E-04
1334	567480.68	4216996.3	7.04E-03	6.23E-03	1.01E-03	6.22E-04
1335	567478.42	4217005.36	7.34E-03	6.50E-03	1.05E-03	6.48E-04
1336	567354.15	4216632.73	3.23E-03	2.86E-03	4.63E-04	2.85E-04
1337	567346.24	4216627.21	3.19E-03	2.83E-03	4.58E-04	2.82E-04
1338	567338.33	4216621.7	3.16E-03	2.79E-03	4.52E-04	2.79E-04
1339	567330.43	4216616.19	3.10E-03	2.75E-03	4.45E-04	2.74E-04
1340	567322.52	4216610.67	3.05E-03	2.69E-03	4.37E-04	2.69E-04
1341	567314.61	4216605.16	2.99E-03	2.64E-03	4.28E-04	2.64E-04
1342	567306.7	4216599.64	2.93E-03	2.59E-03	4.19E-04	2.58E-04
1343	567298.8	4216594.13	2.86E-03	2.53E-03	4.11E-04	2.53E-04
1344	567290.89	4216588.61	2.80E-03	2.48E-03	4.02E-04	2.47E-04
1345	567282.98	4216583.1	2.74E-03	2.42E-03	3.93E-04	2.42E-04
1346	567275.08	4216577.59	2.68E-03	2.37E-03	3.84E-04	2.36E-04

1347	567103.47	4216803.66	2.14E-02	1.89E-02	3.07E-03	1.89E-03
1348	567103.47	4216793.66	1.77E-02	1.57E-02	2.54E-03	1.56E-03
1349	567104.9	4216784.11	1.51E-02	1.34E-02	2.17E-03	1.34E-03
1350	567104.61	4216774.02	1.30E-02	1.15E-02	1.87E-03	1.15E-03
1351	567118.34	4216778.33	1.39E-02	1.23E-02	2.00E-03	1.23E-03
1352	567104.42	4216763.96	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1353	567117.77	4216768.15	1.21E-02	1.07E-02	1.73E-03	1.07E-03
1354	567089.85	4216761.86	1.11E-02	9.79E-03	1.59E-03	9.77E-04
1355	567104.29	4216753.91	1.01E-02	8.91E-03	1.44E-03	8.89E-04
1356	567117.36	4216758.02	1.06E-02	9.39E-03	1.52E-03	9.37E-04
1357	567130.44	4216762.13	1.12E-02	9.91E-03	1.61E-03	9.89E-04
1358	567089.85	4216751.86	9.80E-03	8.67E-03	1.40E-03	8.65E-04
1359	567105.1	4216744.17	9.01E-03	7.97E-03	1.29E-03	7.96E-04
1360	567119.81	4216748.79	9.53E-03	8.43E-03	1.37E-03	8.41E-04
1361	567134.52	4216753.42	1.01E-02	8.92E-03	1.44E-03	8.90E-04
1362	567089.85	4216741.86	8.75E-03	7.74E-03	1.25E-03	7.73E-04
1363	567104.9	4216734.11	8.10E-03	7.17E-03	1.16E-03	7.15E-04
1364	567119.2	4216738.6	8.52E-03	7.54E-03	1.22E-03	7.53E-04
1365	567133.5	4216743.09	8.97E-03	7.94E-03	1.29E-03	7.92E-04
1366	567132.71	4216732.85	8.06E-03	7.13E-03	1.16E-03	7.11E-04
1367	567146.69	4216737.24	8.44E-03	7.47E-03	1.21E-03	7.45E-04
1368	567145.8	4216726.96	7.61E-03	6.74E-03	1.09E-03	6.72E-04
1369	567089.85	4216711.86	6.52E-03	5.77E-03	9.35E-04	5.76E-04
1370	567105.19	4216704.2	6.12E-03	5.41E-03	8.77E-04	5.40E-04
1371	567089.85	4216701.86	5.98E-03	5.29E-03	8.58E-04	5.28E-04
1372	567105.03	4216694.15	5.63E-03	4.98E-03	8.07E-04	4.97E-04
1373	567119.59	4216698.72	5.87E-03	5.19E-03	8.41E-04	5.18E-04
1374	567134.15	4216703.3	6.13E-03	5.42E-03	8.79E-04	5.41E-04
1375	567089.85	4216691.86	5.51E-03	4.87E-03	7.90E-04	4.86E-04
1376	567104.9	4216684.11	5.20E-03	4.60E-03	7.46E-04	4.59E-04
1377	567119.2	4216688.6	5.41E-03	4.78E-03	7.75E-04	4.77E-04
1378	567133.5	4216693.09	5.63E-03	4.98E-03	8.08E-04	4.97E-04
1379	567147.8	4216697.59	5.87E-03	5.19E-03	8.41E-04	5.18E-04
1380	567089.85	4216681.86	5.09E-03	4.51E-03	7.30E-04	4.50E-04
1381	567104.79	4216674.07	4.82E-03	4.27E-03	6.92E-04	4.26E-04
1382	567118.87	4216678.5	5.00E-03	4.43E-03	7.18E-04	4.42E-04
1383	567132.95	4216682.92	5.20E-03	4.60E-03	7.45E-04	4.59E-04
1384	567147.03	4216687.35	5.40E-03	4.78E-03	7.74E-04	4.77E-04
1385	567161.11	4216691.77	5.60E-03	4.95E-03	8.03E-04	4.94E-04
1386	567089.85	4216671.86	4.73E-03	4.18E-03	6.78E-04	4.17E-04
1387	567105.23	4216664.21	4.50E-03	3.98E-03	6.45E-04	3.97E-04
1388	567120.19	4216668.91	4.67E-03	4.13E-03	6.69E-04	4.12E-04
1389	567135.15	4216673.61	4.85E-03	4.29E-03	6.95E-04	4.28E-04
1390	567150.11	4216678.31	5.04E-03	4.46E-03	7.22E-04	4.45E-04
1391	567165.07	4216683.02	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1392	567180.03	4216687.72	5.42E-03	4.79E-03	7.77E-04	4.78E-04
1393	567089.85	4216661.86	4.40E-03	3.90E-03	6.31E-04	3.89E-04
1394	567105.1	4216654.17	4.20E-03	3.71E-03	6.02E-04	3.70E-04
1395	567119.81	4216658.79	4.35E-03	3.85E-03	6.23E-04	3.84E-04
1396	567134.52	4216663.42	4.51E-03	3.99E-03	6.46E-04	3.98E-04
1397	567149.23	4216668.04	4.67E-03	4.13E-03	6.70E-04	4.12E-04
1398	567163.94	4216672.66	4.84E-03	4.28E-03	6.94E-04	4.27E-04

1399	567178.65	4216677.28	5.00E-03	4.43E-03	7.18E-04	4.42E-04
1400	567089.85	4216651.86	4.12E-03	3.64E-03	5.90E-04	3.63E-04
1401	567105	4216644.14	3.93E-03	3.47E-03	5.63E-04	3.47E-04
1402	567119.49	4216648.69	4.06E-03	3.59E-03	5.82E-04	3.59E-04
1403	567133.98	4216653.24	4.20E-03	3.72E-03	6.02E-04	3.71E-04
1404	567148.47	4216657.8	4.35E-03	3.85E-03	6.23E-04	3.84E-04
1405	567162.96	4216662.35	4.49E-03	3.98E-03	6.45E-04	3.97E-04
1406	567177.45	4216666.91	4.64E-03	4.11E-03	6.66E-04	4.10E-04
1407	567191.94	4216671.46	4.79E-03	4.24E-03	6.87E-04	4.23E-04
1408	567089.85	4216641.86	3.86E-03	3.41E-03	5.53E-04	3.41E-04
1409	567104.9	4216634.11	3.69E-03	3.26E-03	5.29E-04	3.25E-04
1410	567119.2	4216638.6	3.80E-03	3.37E-03	5.45E-04	3.36E-04
1411	567133.5	4216643.09	3.93E-03	3.48E-03	5.63E-04	3.47E-04
1412	567147.8	4216647.59	4.06E-03	3.59E-03	5.82E-04	3.58E-04
1413	567162.1	4216652.08	4.19E-03	3.71E-03	6.01E-04	3.70E-04
1414	567176.4	4216656.58	4.32E-03	3.83E-03	6.20E-04	3.82E-04
1415	567190.7	4216661.07	4.46E-03	3.94E-03	6.39E-04	3.93E-04
1416	567089.85	4216631.86	3.62E-03	3.21E-03	5.20E-04	3.20E-04
1417	567105.26	4216624.22	3.47E-03	3.07E-03	4.98E-04	3.07E-04
1418	567120.27	4216628.94	3.59E-03	3.17E-03	5.14E-04	3.17E-04
1419	567135.29	4216633.66	3.70E-03	3.28E-03	5.31E-04	3.27E-04
1420	567150.3	4216638.38	3.83E-03	3.39E-03	5.49E-04	3.38E-04
1421	567165.32	4216643.09	3.96E-03	3.50E-03	5.67E-04	3.49E-04
1422	567180.34	4216647.81	4.08E-03	3.61E-03	5.85E-04	3.61E-04
1423	567089.85	4216621.86	3.41E-03	3.02E-03	4.89E-04	3.01E-04
1424	567105.15	4216614.19	3.28E-03	2.90E-03	4.70E-04	2.89E-04
1425	567119.96	4216618.84	3.38E-03	2.99E-03	4.85E-04	2.98E-04
1426	567134.76	4216623.49	3.48E-03	3.08E-03	5.00E-04	3.08E-04
1427	567149.57	4216628.14	3.59E-03	3.18E-03	5.15E-04	3.17E-04
1428	567164.37	4216632.8	3.71E-03	3.28E-03	5.32E-04	3.28E-04
1429	567179.18	4216637.45	3.82E-03	3.38E-03	5.48E-04	3.38E-04
1430	567208.79	4216646.75	4.04E-03	3.57E-03	5.79E-04	3.56E-04
1431	567119.68	4216608.75	3.19E-03	2.82E-03	4.58E-04	2.82E-04
1432	567134.3	4216613.34	3.29E-03	2.91E-03	4.71E-04	2.90E-04
1433	567148.91	4216617.94	3.39E-03	3.00E-03	4.85E-04	2.99E-04
1434	567163.53	4216622.53	3.49E-03	3.09E-03	5.00E-04	3.08E-04
1435	567178.15	4216627.13	3.59E-03	3.18E-03	5.15E-04	3.17E-04
1436	567207.39	4216636.31	3.78E-03	3.35E-03	5.42E-04	3.34E-04
1437	567104.98	4216594.13	2.93E-03	2.60E-03	4.21E-04	2.59E-04
1438	567148.33	4216607.75	3.20E-03	2.83E-03	4.58E-04	2.82E-04
1439	567162.78	4216612.3	3.29E-03	2.91E-03	4.71E-04	2.90E-04
1440	567177.23	4216616.84	3.38E-03	2.99E-03	4.84E-04	2.98E-04
1441	567206.13	4216625.92	3.55E-03	3.14E-03	5.09E-04	3.14E-04
1442	567220.58	4216630.46	3.64E-03	3.22E-03	5.22E-04	3.21E-04
1443	567089.85	4216591.86	2.89E-03	2.55E-03	4.14E-04	2.55E-04
1444	567105.28	4216584.23	2.78E-03	2.46E-03	3.99E-04	2.46E-04
1445	567120.33	4216588.96	2.87E-03	2.54E-03	4.11E-04	2.53E-04
1446	567165.49	4216603.15	3.12E-03	2.76E-03	4.48E-04	2.76E-04
1447	567195.6	4216612.61	3.29E-03	2.91E-03	4.72E-04	2.91E-04
1448	567210.65	4216617.34	3.38E-03	2.99E-03	4.84E-04	2.98E-04
1449	567225.7	4216622.07	3.46E-03	3.06E-03	4.96E-04	3.05E-04
1450	567089.85	4216581.86	2.74E-03	2.42E-03	3.93E-04	2.42E-04

1451	567105.19	4216574.2	2.65E-03	2.34E-03	3.79E-04	2.34E-04
1452	567120.06	4216578.87	2.72E-03	2.41E-03	3.90E-04	2.40E-04
1453	567134.93	4216583.54	2.80E-03	2.48E-03	4.02E-04	2.47E-04
1454	567194.42	4216602.24	3.11E-03	2.75E-03	4.46E-04	2.75E-04
1455	567209.29	4216606.91	3.18E-03	2.82E-03	4.57E-04	2.81E-04
1456	567224.17	4216611.59	3.26E-03	2.88E-03	4.67E-04	2.88E-04
1457	567089.85	4216571.86	2.61E-03	2.31E-03	3.74E-04	2.30E-04
1458	567105.1	4216564.17	2.52E-03	2.23E-03	3.61E-04	2.22E-04
1459	567119.81	4216568.79	2.59E-03	2.29E-03	3.71E-04	2.28E-04
1460	567134.52	4216573.42	2.66E-03	2.35E-03	3.82E-04	2.35E-04
1461	567149.23	4216578.04	2.73E-03	2.42E-03	3.92E-04	2.41E-04
1462	567193.36	4216591.91	2.94E-03	2.61E-03	4.22E-04	2.60E-04
1463	567208.07	4216596.53	3.01E-03	2.66E-03	4.32E-04	2.66E-04
1464	567222.78	4216601.15	3.08E-03	2.72E-03	4.41E-04	2.72E-04
1465	567237.49	4216605.77	3.14E-03	2.78E-03	4.51E-04	2.78E-04
1466	567089.85	4216561.86	2.48E-03	2.19E-03	3.56E-04	2.19E-04
1467	567105.03	4216554.15	2.40E-03	2.13E-03	3.44E-04	2.12E-04
1468	567119.59	4216558.72	2.47E-03	2.18E-03	3.54E-04	2.18E-04
1469	567134.15	4216563.3	2.53E-03	2.24E-03	3.63E-04	2.24E-04
1470	567148.71	4216567.87	2.60E-03	2.30E-03	3.73E-04	2.29E-04
1471	567163.27	4216572.45	2.66E-03	2.36E-03	3.82E-04	2.35E-04
1472	567206.95	4216586.18	2.85E-03	2.53E-03	4.09E-04	2.52E-04
1473	567221.51	4216590.75	2.91E-03	2.58E-03	4.18E-04	2.57E-04
1474	567236.07	4216595.33	2.97E-03	2.63E-03	4.26E-04	2.63E-04
1475	567089.85	4216551.86	2.36E-03	2.09E-03	3.39E-04	2.09E-04
1476	567104.96	4216544.13	2.29E-03	2.03E-03	3.29E-04	2.03E-04
1477	567119.39	4216548.66	2.35E-03	2.08E-03	3.37E-04	2.08E-04
1478	567133.81	4216553.19	2.41E-03	2.13E-03	3.46E-04	2.13E-04
1479	567148.24	4216557.73	2.47E-03	2.19E-03	3.55E-04	2.18E-04
1480	567162.66	4216562.26	2.53E-03	2.24E-03	3.63E-04	2.24E-04
1481	567177.09	4216566.79	2.59E-03	2.30E-03	3.72E-04	2.29E-04
1482	567205.94	4216575.86	2.71E-03	2.40E-03	3.89E-04	2.39E-04
1483	567220.36	4216580.39	2.77E-03	2.45E-03	3.97E-04	2.44E-04
1484	567234.79	4216584.92	2.82E-03	2.49E-03	4.04E-04	2.49E-04
1485	567249.21	4216589.46	2.87E-03	2.54E-03	4.12E-04	2.54E-04
1486	567089.85	4216541.86	2.26E-03	2.00E-03	3.24E-04	1.99E-04
1487	567105.21	4216534.2	2.19E-03	1.94E-03	3.14E-04	1.94E-04
1488	567120.13	4216538.89	2.25E-03	1.99E-03	3.23E-04	1.99E-04
1489	567135.06	4216543.58	2.31E-03	2.04E-03	3.31E-04	2.04E-04
1490	567149.98	4216548.27	2.37E-03	2.09E-03	3.39E-04	2.09E-04
1491	567164.9	4216552.96	2.42E-03	2.15E-03	3.48E-04	2.14E-04
1492	567179.82	4216557.65	2.48E-03	2.20E-03	3.56E-04	2.19E-04
1493	567194.74	4216562.34	2.54E-03	2.25E-03	3.64E-04	2.24E-04
1494	567209.67	4216567.03	2.60E-03	2.30E-03	3.72E-04	2.29E-04
1495	567224.59	4216571.72	2.65E-03	2.34E-03	3.80E-04	2.34E-04
1496	567239.51	4216576.41	2.70E-03	2.39E-03	3.87E-04	2.38E-04
1497	567254.43	4216581.1	2.75E-03	2.43E-03	3.94E-04	2.43E-04
1498	567089.85	4216531.86	2.16E-03	1.91E-03	3.10E-04	1.91E-04
1499	567105.14	4216524.18	2.10E-03	1.86E-03	3.01E-04	1.85E-04
1500	567119.92	4216528.83	2.15E-03	1.90E-03	3.09E-04	1.90E-04
1501	567134.69	4216533.47	2.21E-03	1.95E-03	3.16E-04	1.95E-04
1502	567149.47	4216538.11	2.26E-03	2.00E-03	3.24E-04	2.00E-04

1503	567164.25	4216542.76	2.31E-03	2.05E-03	3.32E-04	2.04E-04
1504	567179.02	4216547.4	2.37E-03	2.09E-03	3.39E-04	2.09E-04
1505	567193.8	4216552.04	2.42E-03	2.14E-03	3.47E-04	2.14E-04
1506	567208.58	4216556.69	2.47E-03	2.19E-03	3.55E-04	2.18E-04
1507	567223.36	4216561.33	2.52E-03	2.23E-03	3.61E-04	2.23E-04
1508	567238.13	4216565.98	2.57E-03	2.27E-03	3.68E-04	2.27E-04
1509	567252.91	4216570.62	2.61E-03	2.31E-03	3.75E-04	2.31E-04
1510	567089.85	4216521.86	2.07E-03	1.83E-03	2.97E-04	1.83E-04
1511	567073.65	4216820.13	3.00E-02	2.66E-02	4.31E-03	2.65E-03
1512	567067.94	4216828.01	3.59E-02	3.18E-02	5.15E-03	3.17E-03
1513	567062.23	4216835.9	4.25E-02	3.76E-02	6.09E-03	3.75E-03
1514	567056.52	4216843.78	4.90E-02	4.34E-02	7.03E-03	4.33E-03
1515	567050.8	4216851.67	5.49E-02	4.86E-02	7.87E-03	4.85E-03
1516	567045.09	4216859.55	5.99E-02	5.30E-02	8.58E-03	5.29E-03
1517	567039.38	4216867.44	6.41E-02	5.67E-02	9.19E-03	5.66E-03
1518	567033.67	4216875.32	6.76E-02	5.99E-02	9.70E-03	5.97E-03
1519	567027.96	4216883.21	7.08E-02	6.27E-02	1.02E-02	6.25E-03
1520	567022.24	4216891.09	7.36E-02	6.51E-02	1.05E-02	6.50E-03
1521	567016.53	4216898.98	7.57E-02	6.70E-02	1.09E-02	6.69E-03
1522	567010.82	4216906.86	7.71E-02	6.82E-02	1.11E-02	6.81E-03
1523	567005.11	4216914.75	7.76E-02	6.87E-02	1.11E-02	6.86E-03
1524	566999.39	4216922.63	7.75E-02	6.86E-02	1.11E-02	6.84E-03
1525	566993.68	4216930.52	7.66E-02	6.78E-02	1.10E-02	6.77E-03
1526	566987.97	4216938.4	7.51E-02	6.64E-02	1.08E-02	6.63E-03
1527	566982.26	4216946.29	7.24E-02	6.41E-02	1.04E-02	6.39E-03
1528	566976.55	4216954.17	6.84E-02	6.05E-02	9.80E-03	6.04E-03
1529	566970.83	4216962.06	6.30E-02	5.58E-02	9.03E-03	5.56E-03
1530	567070.88	4216809.7	2.36E-02	2.09E-02	3.38E-03	2.08E-03
1531	567059.84	4216822.14	3.00E-02	2.65E-02	4.30E-03	2.65E-03
1532	567054.13	4216830.03	3.47E-02	3.07E-02	4.98E-03	3.07E-03
1533	567048.42	4216837.91	3.96E-02	3.50E-02	5.68E-03	3.50E-03
1534	567042.71	4216845.8	4.42E-02	3.91E-02	6.34E-03	3.90E-03
1535	567036.99	4216853.68	4.83E-02	4.27E-02	6.93E-03	4.27E-03
1536	567031.28	4216861.57	5.19E-02	4.60E-02	7.45E-03	4.59E-03
1537	567025.57	4216869.45	5.51E-02	4.87E-02	7.89E-03	4.86E-03
1538	567019.86	4216877.34	5.78E-02	5.12E-02	8.29E-03	5.11E-03
1539	567014.15	4216885.22	6.03E-02	5.34E-02	8.65E-03	5.33E-03
1540	567008.43	4216893.11	6.23E-02	5.51E-02	8.93E-03	5.50E-03
1541	567002.72	4216900.99	6.36E-02	5.63E-02	9.12E-03	5.62E-03
1542	566997.01	4216908.88	6.44E-02	5.69E-02	9.23E-03	5.68E-03
1543	566991.3	4216916.76	6.46E-02	5.71E-02	9.26E-03	5.70E-03
1544	566985.58	4216924.65	6.42E-02	5.69E-02	9.21E-03	5.67E-03
1545	566979.87	4216932.53	6.32E-02	5.59E-02	9.07E-03	5.58E-03
1546	566974.16	4216940.42	6.14E-02	5.43E-02	8.80E-03	5.42E-03
1547	566968.45	4216948.3	5.86E-02	5.18E-02	8.40E-03	5.17E-03
1548	566962.74	4216956.19	5.50E-02	4.86E-02	7.88E-03	4.85E-03
1549	567064.56	4216802.31	2.03E-02	1.79E-02	2.91E-03	1.79E-03
1550	567057.46	4216808.39	2.24E-02	1.99E-02	3.22E-03	1.98E-03
1551	567051.74	4216816.28	2.57E-02	2.27E-02	3.68E-03	2.27E-03
1552	567046.03	4216824.16	2.93E-02	2.59E-02	4.20E-03	2.59E-03
1553	567040.32	4216832.05	3.30E-02	2.92E-02	4.73E-03	2.92E-03
1554	567034.61	4216839.93	3.67E-02	3.24E-02	5.26E-03	3.24E-03

1555	567028.9	4216847.82	4.01E-02	3.55E-02	5.75E-03	3.54E-03
1556	567023.18	4216855.7	4.32E-02	3.82E-02	6.19E-03	3.81E-03
1557	567017.47	4216863.59	4.60E-02	4.07E-02	6.60E-03	4.06E-03
1558	567011.76	4216871.47	4.85E-02	4.29E-02	6.95E-03	4.28E-03
1559	567006.05	4216879.36	5.06E-02	4.48E-02	7.26E-03	4.47E-03
1560	567000.33	4216887.24	5.24E-02	4.64E-02	7.51E-03	4.63E-03
1561	566994.62	4216895.13	5.37E-02	4.75E-02	7.69E-03	4.74E-03
1562	566988.91	4216903.01	5.45E-02	4.83E-02	7.82E-03	4.82E-03
1563	566983.2	4216910.9	5.50E-02	4.86E-02	7.88E-03	4.85E-03
1564	566977.49	4216918.78	5.49E-02	4.86E-02	7.87E-03	4.85E-03
1565	566971.77	4216926.67	5.42E-02	4.80E-02	7.77E-03	4.79E-03
1566	566966.06	4216934.55	5.29E-02	4.68E-02	7.59E-03	4.67E-03
1567	566960.35	4216942.44	5.10E-02	4.51E-02	7.31E-03	4.50E-03
1568	566954.64	4216950.32	4.84E-02	4.29E-02	6.95E-03	4.28E-03
1569	567055.28	4216797.46	1.84E-02	1.63E-02	2.64E-03	1.63E-03
1570	567074.7	4216785.5	1.54E-02	1.36E-02	2.20E-03	1.36E-03
1571	567043.65	4216810.41	2.24E-02	1.99E-02	3.22E-03	1.98E-03
1572	567037.93	4216818.3	2.53E-02	2.24E-02	3.62E-03	2.23E-03
1573	567032.22	4216826.18	2.82E-02	2.50E-02	4.05E-03	2.49E-03
1574	567026.51	4216834.07	3.12E-02	2.76E-02	4.47E-03	2.75E-03
1575	567020.8	4216841.95	3.40E-02	3.01E-02	4.88E-03	3.00E-03
1576	567015.09	4216849.84	3.67E-02	3.25E-02	5.26E-03	3.24E-03
1577	567009.37	4216857.72	3.92E-02	3.46E-02	5.61E-03	3.46E-03
1578	567003.66	4216865.61	4.14E-02	3.66E-02	5.93E-03	3.65E-03
1579	566997.95	4216873.49	4.32E-02	3.83E-02	6.20E-03	3.82E-03
1580	566992.24	4216881.38	4.48E-02	3.97E-02	6.43E-03	3.96E-03
1581	566986.52	4216889.26	4.61E-02	4.08E-02	6.61E-03	4.07E-03
1582	566980.81	4216897.15	4.69E-02	4.15E-02	6.73E-03	4.15E-03
1583	566975.1	4216905.03	4.74E-02	4.20E-02	6.80E-03	4.19E-03
1584	566969.39	4216912.92	4.75E-02	4.20E-02	6.81E-03	4.20E-03
1585	566963.68	4216920.8	4.71E-02	4.17E-02	6.76E-03	4.16E-03
1586	566957.96	4216928.69	4.62E-02	4.09E-02	6.63E-03	4.08E-03
1587	566952.25	4216936.57	4.49E-02	3.97E-02	6.43E-03	3.96E-03
1588	566946.54	4216944.46	4.31E-02	3.81E-02	6.17E-03	3.80E-03
1589	567048.36	4216790.58	1.63E-02	1.45E-02	2.34E-03	1.44E-03
1590	567055.47	4216784.5	1.50E-02	1.33E-02	2.15E-03	1.33E-03
1591	567071.67	4216776.23	1.34E-02	1.18E-02	1.92E-03	1.18E-03
1592	567041.26	4216796.66	1.78E-02	1.57E-02	2.55E-03	1.57E-03
1593	567035.55	4216804.54	1.99E-02	1.76E-02	2.85E-03	1.75E-03
1594	567029.84	4216812.43	2.22E-02	1.96E-02	3.18E-03	1.96E-03
1595	567024.12	4216820.31	2.46E-02	2.18E-02	3.53E-03	2.17E-03
1596	567018.41	4216828.2	2.70E-02	2.39E-02	3.87E-03	2.38E-03
1597	567012.7	4216836.08	2.94E-02	2.60E-02	4.21E-03	2.59E-03
1598	567006.99	4216843.97	3.17E-02	2.80E-02	4.54E-03	2.80E-03
1599	567001.27	4216851.85	3.38E-02	2.99E-02	4.85E-03	2.99E-03
1600	566995.56	4216859.74	3.57E-02	3.16E-02	5.12E-03	3.16E-03
1601	566989.85	4216867.62	3.74E-02	3.31E-02	5.37E-03	3.30E-03
1602	566984.14	4216875.51	3.89E-02	3.44E-02	5.57E-03	3.43E-03
1603	566978.43	4216883.39	4.00E-02	3.54E-02	5.74E-03	3.53E-03
1604	566972.71	4216891.28	4.09E-02	3.62E-02	5.86E-03	3.61E-03
1605	566967	4216899.16	4.14E-02	3.66E-02	5.94E-03	3.66E-03
1606	566961.29	4216907.05	4.16E-02	3.68E-02	5.96E-03	3.67E-03

1607	566955.58	4216914.93	4.14E-02	3.66E-02	5.93E-03	3.65E-03
1608	566949.86	4216922.82	4.08E-02	3.61E-02	5.85E-03	3.60E-03
1609	566944.15	4216930.7	3.98E-02	3.53E-02	5.71E-03	3.52E-03
1610	566938.44	4216938.59	3.85E-02	3.41E-02	5.52E-03	3.40E-03
1611	567039.38	4216785.47	1.50E-02	1.32E-02	2.15E-03	1.32E-03
1612	567051.81	4216774.83	1.30E-02	1.15E-02	1.87E-03	1.15E-03
1613	567065.98	4216767.6	1.19E-02	1.05E-02	1.70E-03	1.05E-03
1614	567027.45	4216798.68	1.78E-02	1.57E-02	2.55E-03	1.57E-03
1615	567021.74	4216806.56	1.97E-02	1.74E-02	2.82E-03	1.74E-03
1616	567016.03	4216814.45	2.17E-02	1.92E-02	3.11E-03	1.91E-03
1617	567010.31	4216822.33	2.37E-02	2.10E-02	3.40E-03	2.09E-03
1618	567004.6	4216830.22	2.57E-02	2.27E-02	3.68E-03	2.27E-03
1619	566998.89	4216838.1	2.77E-02	2.45E-02	3.97E-03	2.44E-03
1620	566993.18	4216845.99	2.96E-02	2.61E-02	4.24E-03	2.61E-03
1621	566987.46	4216853.87	3.12E-02	2.76E-02	4.48E-03	2.76E-03
1622	566981.75	4216861.76	3.27E-02	2.90E-02	4.69E-03	2.89E-03
1623	566976.04	4216869.64	3.40E-02	3.01E-02	4.88E-03	3.01E-03
1624	566970.33	4216877.53	3.51E-02	3.11E-02	5.03E-03	3.10E-03
1625	566964.62	4216885.41	3.59E-02	3.18E-02	5.15E-03	3.17E-03
1626	566958.9	4216893.3	3.65E-02	3.23E-02	5.23E-03	3.22E-03
1627	566953.19	4216901.18	3.67E-02	3.25E-02	5.27E-03	3.24E-03
1628	566947.48	4216909.07	3.67E-02	3.24E-02	5.26E-03	3.24E-03
1629	566941.77	4216916.95	3.63E-02	3.21E-02	5.21E-03	3.21E-03
1630	566936.05	4216924.84	3.56E-02	3.15E-02	5.11E-03	3.15E-03
1631	566930.34	4216932.72	3.47E-02	3.07E-02	4.97E-03	3.06E-03
1632	567032.17	4216778.85	1.35E-02	1.20E-02	1.94E-03	1.19E-03
1633	567039.27	4216772.77	1.26E-02	1.11E-02	1.80E-03	1.11E-03
1634	567046.38	4216766.68	1.17E-02	1.03E-02	1.67E-03	1.03E-03
1635	567062.57	4216758.42	1.06E-02	9.34E-03	1.51E-03	9.32E-04
1636	567025.06	4216784.93	1.45E-02	1.29E-02	2.08E-03	1.28E-03
1637	567019.35	4216792.81	1.60E-02	1.42E-02	2.30E-03	1.42E-03
1638	567013.64	4216800.7	1.76E-02	1.56E-02	2.53E-03	1.56E-03
1639	567007.93	4216808.58	1.93E-02	1.71E-02	2.77E-03	1.70E-03
1640	567002.22	4216816.47	2.10E-02	1.86E-02	3.01E-03	1.85E-03
1641	566996.5	4216824.35	2.27E-02	2.01E-02	3.26E-03	2.00E-03
1642	566990.79	4216832.24	2.44E-02	2.16E-02	3.50E-03	2.16E-03
1643	566985.08	4216840.12	2.61E-02	2.31E-02	3.74E-03	2.30E-03
1644	566979.37	4216848.01	2.76E-02	2.44E-02	3.95E-03	2.44E-03
1645	566973.65	4216855.89	2.89E-02	2.56E-02	4.15E-03	2.55E-03
1646	566967.94	4216863.78	3.01E-02	2.66E-02	4.31E-03	2.66E-03
1647	566962.23	4216871.66	3.11E-02	2.75E-02	4.45E-03	2.74E-03
1648	566956.52	4216879.55	3.18E-02	2.82E-02	4.56E-03	2.81E-03
1649	566950.81	4216887.43	3.24E-02	2.86E-02	4.64E-03	2.86E-03
1650	566945.09	4216895.32	3.27E-02	2.89E-02	4.69E-03	2.89E-03
1651	566939.38	4216903.2	3.27E-02	2.90E-02	4.69E-03	2.89E-03
1652	566933.67	4216911.09	3.25E-02	2.88E-02	4.66E-03	2.87E-03
1653	566927.96	4216918.97	3.21E-02	2.84E-02	4.60E-03	2.83E-03
1654	566922.24	4216926.86	3.13E-02	2.77E-02	4.50E-03	2.77E-03
1655	567023.36	4216773.59	1.25E-02	1.11E-02	1.79E-03	1.10E-03
1656	567036.15	4216762.64	1.10E-02	9.75E-03	1.58E-03	9.73E-04
1657	567057.12	4216749.73	9.52E-03	8.43E-03	1.37E-03	8.41E-04
1658	567011.25	4216786.94	1.46E-02	1.29E-02	2.09E-03	1.29E-03

1659	567005.54	4216794.83	1.60E-02	1.41E-02	2.29E-03	1.41E-03
1660	566999.83	4216802.71	1.74E-02	1.54E-02	2.49E-03	1.53E-03
1661	566994.12	4216810.6	1.88E-02	1.66E-02	2.70E-03	1.66E-03
1662	566988.4	4216818.48	2.03E-02	1.79E-02	2.91E-03	1.79E-03
1663	566982.69	4216826.37	2.18E-02	1.93E-02	3.12E-03	1.92E-03
1664	566976.98	4216834.25	2.32E-02	2.05E-02	3.32E-03	2.05E-03
1665	566971.27	4216842.14	2.45E-02	2.17E-02	3.52E-03	2.17E-03
1666	566965.56	4216850.02	2.57E-02	2.28E-02	3.69E-03	2.27E-03
1667	566959.84	4216857.91	2.68E-02	2.37E-02	3.84E-03	2.37E-03
1668	566954.13	4216865.79	2.77E-02	2.45E-02	3.97E-03	2.44E-03
1669	566948.42	4216873.68	2.84E-02	2.51E-02	4.07E-03	2.51E-03
1670	566942.71	4216881.56	2.89E-02	2.56E-02	4.15E-03	2.56E-03
1671	566936.99	4216889.45	2.93E-02	2.59E-02	4.20E-03	2.58E-03
1672	566931.28	4216897.33	2.94E-02	2.60E-02	4.21E-03	2.60E-03
1673	566925.57	4216905.22	2.93E-02	2.59E-02	4.20E-03	2.59E-03
1674	566919.86	4216913.1	2.90E-02	2.57E-02	4.16E-03	2.56E-03
1675	566914.15	4216920.99	2.85E-02	2.52E-02	4.08E-03	2.52E-03
1676	567015.97	4216767.11	1.15E-02	1.01E-02	1.64E-03	1.01E-03
1677	567023.08	4216761.03	1.07E-02	9.49E-03	1.54E-03	9.47E-04
1678	567030.18	4216754.95	1.00E-02	8.88E-03	1.44E-03	8.86E-04
1679	567008.87	4216773.19	1.22E-02	1.08E-02	1.76E-03	1.08E-03
1680	567003.16	4216781.08	1.34E-02	1.18E-02	1.92E-03	1.18E-03
1681	566997.44	4216788.96	1.46E-02	1.29E-02	2.09E-03	1.28E-03
1682	566991.73	4216796.85	1.58E-02	1.40E-02	2.26E-03	1.39E-03
1683	566986.02	4216804.73	1.70E-02	1.51E-02	2.44E-03	1.50E-03
1684	566980.31	4216812.62	1.83E-02	1.62E-02	2.62E-03	1.61E-03
1685	566974.59	4216820.5	1.96E-02	1.73E-02	2.80E-03	1.73E-03
1686	566968.88	4216828.39	2.08E-02	1.84E-02	2.98E-03	1.84E-03
1687	566963.17	4216836.27	2.20E-02	1.94E-02	3.15E-03	1.94E-03
1688	566957.46	4216844.16	2.31E-02	2.04E-02	3.31E-03	2.04E-03
1689	566951.75	4216852.04	2.40E-02	2.13E-02	3.45E-03	2.12E-03
1690	566946.03	4216859.93	2.48E-02	2.20E-02	3.56E-03	2.19E-03
1691	566940.32	4216867.81	2.55E-02	2.26E-02	3.66E-03	2.25E-03
1692	566934.61	4216875.7	2.60E-02	2.30E-02	3.73E-03	2.30E-03
1693	566928.9	4216883.58	2.64E-02	2.33E-02	3.78E-03	2.33E-03
1694	566923.18	4216891.47	2.65E-02	2.35E-02	3.81E-03	2.34E-03
1695	566917.47	4216899.35	2.65E-02	2.35E-02	3.80E-03	2.34E-03
1696	566911.76	4216907.24	2.63E-02	2.33E-02	3.78E-03	2.33E-03
1697	566906.05	4216915.12	2.60E-02	2.30E-02	3.73E-03	2.29E-03
1698	567007.28	4216761.75	1.07E-02	9.47E-03	1.53E-03	9.45E-04
1699	566995.06	4216775.21	1.23E-02	1.09E-02	1.76E-03	1.09E-03
1700	566989.34	4216783.1	1.33E-02	1.18E-02	1.91E-03	1.18E-03
1701	566983.63	4216790.98	1.44E-02	1.28E-02	2.07E-03	1.27E-03
1702	566977.92	4216798.87	1.55E-02	1.37E-02	2.22E-03	1.37E-03
1703	566972.21	4216806.75	1.66E-02	1.47E-02	2.38E-03	1.47E-03
1704	566966.5	4216814.64	1.77E-02	1.57E-02	2.54E-03	1.56E-03
1705	566960.78	4216822.52	1.88E-02	1.66E-02	2.69E-03	1.66E-03
1706	566955.07	4216830.41	1.98E-02	1.75E-02	2.84E-03	1.75E-03
1707	566949.36	4216838.29	2.08E-02	1.84E-02	2.98E-03	1.84E-03
1708	566943.65	4216846.18	2.17E-02	1.92E-02	3.11E-03	1.91E-03
1709	566937.93	4216854.06	2.24E-02	1.98E-02	3.22E-03	1.98E-03
1710	566932.22	4216861.95	2.30E-02	2.04E-02	3.30E-03	2.03E-03

1711	566926.51	4216869.83	2.35E-02	2.08E-02	3.37E-03	2.08E-03
1712	566920.8	4216877.72	2.39E-02	2.11E-02	3.43E-03	2.11E-03
1713	566915.09	4216885.6	2.41E-02	2.13E-02	3.45E-03	2.13E-03
1714	566909.37	4216893.49	2.41E-02	2.14E-02	3.46E-03	2.13E-03
1715	566903.66	4216901.37	2.40E-02	2.13E-02	3.45E-03	2.12E-03
1716	566897.95	4216909.26	2.38E-02	2.11E-02	3.41E-03	2.10E-03
1717	567044.39	4216722.79	7.22E-03	6.39E-03	1.04E-03	6.38E-04
1718	567053.48	4216720.6	7.07E-03	6.26E-03	1.01E-03	6.25E-04
1719	567062.57	4216718.42	6.92E-03	6.12E-03	9.92E-04	6.11E-04
1720	567071.67	4216716.23	6.78E-03	6.00E-03	9.72E-04	5.98E-04
1721	567080.76	4216714.05	6.64E-03	5.88E-03	9.52E-04	5.86E-04
1722	566986.96	4216769.34	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1723	566981.25	4216777.23	1.23E-02	1.09E-02	1.76E-03	1.09E-03
1724	566975.53	4216785.11	1.33E-02	1.17E-02	1.90E-03	1.17E-03
1725	566969.82	4216793	1.42E-02	1.26E-02	2.04E-03	1.26E-03
1726	566964.11	4216800.88	1.52E-02	1.34E-02	2.18E-03	1.34E-03
1727	566958.4	4216808.77	1.61E-02	1.43E-02	2.31E-03	1.42E-03
1728	566952.69	4216816.65	1.71E-02	1.51E-02	2.45E-03	1.51E-03
1729	566946.97	4216824.54	1.80E-02	1.59E-02	2.58E-03	1.59E-03
1730	566941.26	4216832.42	1.89E-02	1.67E-02	2.70E-03	1.67E-03
1731	566935.55	4216840.31	1.97E-02	1.74E-02	2.82E-03	1.74E-03
1732	566929.84	4216848.19	2.03E-02	1.80E-02	2.92E-03	1.80E-03
1733	566924.12	4216856.08	2.09E-02	1.85E-02	3.00E-03	1.85E-03
1734	566918.41	4216863.96	2.14E-02	1.89E-02	3.06E-03	1.89E-03
1735	566912.7	4216871.85	2.17E-02	1.92E-02	3.12E-03	1.92E-03
1736	566906.99	4216879.73	2.20E-02	1.94E-02	3.15E-03	1.94E-03
1737	566901.28	4216887.62	2.21E-02	1.95E-02	3.16E-03	1.95E-03
1738	566895.56	4216895.5	2.20E-02	1.95E-02	3.16E-03	1.94E-03
1739	566889.85	4216903.39	2.19E-02	1.93E-02	3.13E-03	1.93E-03
1740	567004.36	4216738.65	8.38E-03	7.41E-03	1.20E-03	7.40E-04
1741	567017.56	4216727.36	7.54E-03	6.67E-03	1.08E-03	6.65E-04
1742	567039.19	4216714.04	6.67E-03	5.90E-03	9.56E-04	5.89E-04
1743	567056.08	4216709.98	6.42E-03	5.68E-03	9.21E-04	5.67E-04
1744	567072.96	4216705.92	6.19E-03	5.47E-03	8.87E-04	5.46E-04
1745	566973.15	4216771.36	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1746	566967.44	4216779.25	1.22E-02	1.08E-02	1.75E-03	1.08E-03
1747	566961.72	4216787.13	1.31E-02	1.16E-02	1.88E-03	1.16E-03
1748	566956.01	4216795.02	1.39E-02	1.23E-02	2.00E-03	1.23E-03
1749	566950.3	4216802.9	1.48E-02	1.31E-02	2.12E-03	1.31E-03
1750	566944.59	4216810.79	1.56E-02	1.38E-02	2.24E-03	1.38E-03
1751	566938.87	4216818.67	1.64E-02	1.45E-02	2.35E-03	1.45E-03
1752	566933.16	4216826.56	1.72E-02	1.52E-02	2.47E-03	1.52E-03
1753	566927.45	4216834.44	1.79E-02	1.58E-02	2.57E-03	1.58E-03
1754	566921.74	4216842.33	1.85E-02	1.64E-02	2.65E-03	1.63E-03
1755	566916.03	4216850.21	1.90E-02	1.69E-02	2.73E-03	1.68E-03
1756	566910.31	4216858.1	1.95E-02	1.72E-02	2.79E-03	1.72E-03
1757	566904.6	4216865.98	1.98E-02	1.76E-02	2.85E-03	1.75E-03
1758	566898.89	4216873.87	2.01E-02	1.78E-02	2.88E-03	1.78E-03
1759	566893.18	4216881.75	2.02E-02	1.79E-02	2.90E-03	1.79E-03
1760	566887.46	4216889.64	2.02E-02	1.79E-02	2.90E-03	1.79E-03
1761	566881.75	4216897.52	2.01E-02	1.78E-02	2.89E-03	1.78E-03
1762	566983.58	4216743.65	8.71E-03	7.71E-03	1.25E-03	7.69E-04

1763	566990.68	4216737.57	8.24E-03	7.29E-03	1.18E-03	7.28E-04
1764	566997.79	4216731.48	7.80E-03	6.90E-03	1.12E-03	6.88E-04
1765	567004.89	4216725.4	7.38E-03	6.53E-03	1.06E-03	6.52E-04
1766	567012	4216719.32	6.99E-03	6.19E-03	1.00E-03	6.18E-04
1767	567035.3	4216704.98	6.16E-03	5.45E-03	8.84E-04	5.44E-04
1768	567044.39	4216702.79	6.04E-03	5.35E-03	8.67E-04	5.34E-04
1769	567053.48	4216700.6	5.93E-03	5.25E-03	8.50E-04	5.24E-04
1770	567062.57	4216698.42	5.81E-03	5.15E-03	8.34E-04	5.13E-04
1771	567071.67	4216696.23	5.71E-03	5.05E-03	8.18E-04	5.04E-04
1772	567080.76	4216694.05	5.60E-03	4.96E-03	8.04E-04	4.95E-04
1773	566975.04	4216738.16	8.23E-03	7.28E-03	1.18E-03	7.27E-04
1774	566988.36	4216726.76	7.44E-03	6.59E-03	1.07E-03	6.57E-04
1775	567001.68	4216715.36	6.75E-03	5.97E-03	9.67E-04	5.96E-04
1776	567015	4216703.96	6.12E-03	5.42E-03	8.78E-04	5.41E-04
1777	567030.18	4216696.21	5.73E-03	5.07E-03	8.22E-04	5.06E-04
1778	567047.23	4216692.11	5.53E-03	4.90E-03	7.93E-04	4.89E-04
1779	567064.28	4216688.01	5.34E-03	4.73E-03	7.66E-04	4.72E-04
1780	566939.82	4216783.28	1.19E-02	1.05E-02	1.71E-03	1.05E-03
1781	566934.1	4216791.17	1.26E-02	1.11E-02	1.80E-03	1.11E-03
1782	566928.39	4216799.05	1.32E-02	1.17E-02	1.90E-03	1.17E-03
1783	566922.68	4216806.94	1.39E-02	1.23E-02	1.99E-03	1.23E-03
1784	566916.97	4216814.82	1.45E-02	1.28E-02	2.08E-03	1.28E-03
1785	566911.25	4216822.71	1.51E-02	1.33E-02	2.16E-03	1.33E-03
1786	566905.54	4216830.59	1.56E-02	1.38E-02	2.23E-03	1.37E-03
1787	566899.83	4216838.48	1.60E-02	1.42E-02	2.30E-03	1.41E-03
1788	566894.12	4216846.36	1.64E-02	1.45E-02	2.35E-03	1.45E-03
1789	566888.41	4216854.25	1.68E-02	1.48E-02	2.40E-03	1.48E-03
1790	566882.69	4216862.13	1.70E-02	1.51E-02	2.44E-03	1.50E-03
1791	566876.98	4216870.02	1.72E-02	1.52E-02	2.46E-03	1.52E-03
1792	566871.27	4216877.9	1.73E-02	1.53E-02	2.48E-03	1.52E-03
1793	566967.38	4216731.91	7.75E-03	6.86E-03	1.11E-03	6.84E-04
1794	566974.49	4216725.83	7.36E-03	6.52E-03	1.06E-03	6.50E-04
1795	566981.59	4216719.75	6.99E-03	6.19E-03	1.00E-03	6.18E-04
1796	566988.7	4216713.67	6.64E-03	5.88E-03	9.52E-04	5.86E-04
1797	566995.8	4216707.59	6.31E-03	5.58E-03	9.05E-04	5.57E-04
1798	567002.9	4216701.51	6.00E-03	5.31E-03	8.61E-04	5.30E-04
1799	567010.01	4216695.43	5.71E-03	5.05E-03	8.19E-04	5.04E-04
1800	567026.21	4216687.16	5.33E-03	4.72E-03	7.64E-04	4.71E-04
1801	567035.3	4216684.98	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1802	567044.39	4216682.79	5.14E-03	4.55E-03	7.37E-04	4.54E-04
1803	567053.48	4216680.6	5.05E-03	4.47E-03	7.24E-04	4.46E-04
1804	567062.57	4216678.42	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1805	567071.67	4216676.23	4.87E-03	4.31E-03	6.99E-04	4.30E-04
1806	567080.76	4216674.05	4.80E-03	4.24E-03	6.88E-04	4.23E-04
1807	566960.28	4216737.99	8.13E-03	7.20E-03	1.17E-03	7.18E-04
1808	566954.57	4216745.88	8.67E-03	7.67E-03	1.24E-03	7.66E-04
1809	566926	4216785.3	1.17E-02	1.03E-02	1.67E-03	1.03E-03
1810	566920.29	4216793.19	1.23E-02	1.09E-02	1.76E-03	1.08E-03
1811	566914.58	4216801.07	1.28E-02	1.14E-02	1.84E-03	1.13E-03
1812	566908.87	4216808.96	1.34E-02	1.19E-02	1.92E-03	1.18E-03
1813	566903.16	4216816.84	1.39E-02	1.23E-02	1.99E-03	1.23E-03
1814	566897.44	4216824.73	1.44E-02	1.27E-02	2.06E-03	1.27E-03

1815	566891.73	4216832.61	1.48E-02	1.31E-02	2.12E-03	1.31E-03
1816	566886.02	4216840.5	1.52E-02	1.34E-02	2.17E-03	1.34E-03
1817	566880.31	4216848.38	1.55E-02	1.37E-02	2.22E-03	1.37E-03
1818	566874.59	4216856.27	1.57E-02	1.39E-02	2.26E-03	1.39E-03
1819	566868.88	4216864.15	1.59E-02	1.41E-02	2.28E-03	1.40E-03
1820	566863.17	4216872.04	1.60E-02	1.42E-02	2.29E-03	1.41E-03
1821	566958.89	4216726.38	7.35E-03	6.50E-03	1.05E-03	6.49E-04
1822	566965.6	4216720.64	7.02E-03	6.21E-03	1.01E-03	6.20E-04
1823	566979.02	4216709.16	6.39E-03	5.66E-03	9.17E-04	5.64E-04
1824	566992.44	4216697.67	5.82E-03	5.15E-03	8.34E-04	5.14E-04
1825	567005.86	4216686.18	5.31E-03	4.70E-03	7.62E-04	4.69E-04
1826	567038.33	4216674.25	4.82E-03	4.26E-03	6.91E-04	4.25E-04
1827	567055.5	4216670.12	4.67E-03	4.13E-03	6.69E-04	4.12E-04
1828	567072.68	4216665.99	4.52E-03	4.00E-03	6.48E-04	3.99E-04
1829	566946.47	4216740.01	8.16E-03	7.22E-03	1.17E-03	7.21E-04
1830	566912.19	4216787.32	1.14E-02	1.01E-02	1.64E-03	1.01E-03
1831	566906.48	4216795.21	1.19E-02	1.06E-02	1.71E-03	1.05E-03
1832	566900.77	4216803.09	1.24E-02	1.10E-02	1.78E-03	1.10E-03
1833	566895.06	4216810.98	1.29E-02	1.14E-02	1.85E-03	1.14E-03
1834	566889.35	4216818.86	1.33E-02	1.18E-02	1.91E-03	1.18E-03
1835	566883.63	4216826.75	1.37E-02	1.21E-02	1.97E-03	1.21E-03
1836	566877.92	4216834.63	1.41E-02	1.24E-02	2.02E-03	1.24E-03
1837	566872.21	4216842.52	1.43E-02	1.27E-02	2.06E-03	1.27E-03
1838	566866.5	4216850.4	1.46E-02	1.29E-02	2.09E-03	1.29E-03
1839	566860.78	4216858.29	1.48E-02	1.31E-02	2.12E-03	1.30E-03
1840	566855.07	4216866.17	1.49E-02	1.32E-02	2.13E-03	1.31E-03
1841	566951.19	4216720.18	6.94E-03	6.14E-03	9.96E-04	6.13E-04
1842	566958.29	4216714.1	6.63E-03	5.87E-03	9.50E-04	5.85E-04
1843	566965.39	4216708.02	6.32E-03	5.59E-03	9.06E-04	5.58E-04
1844	566972.5	4216701.94	6.02E-03	5.33E-03	8.64E-04	5.32E-04
1845	566979.6	4216695.86	5.74E-03	5.08E-03	8.23E-04	5.07E-04
1846	566986.71	4216689.78	5.48E-03	4.85E-03	7.85E-04	4.84E-04
1847	566993.81	4216683.7	5.22E-03	4.62E-03	7.49E-04	4.61E-04
1848	567000.92	4216677.62	4.98E-03	4.41E-03	7.15E-04	4.40E-04
1849	567026.21	4216667.16	4.58E-03	4.05E-03	6.57E-04	4.05E-04
1850	567035.3	4216664.98	4.50E-03	3.98E-03	6.46E-04	3.98E-04
1851	567044.39	4216662.79	4.43E-03	3.92E-03	6.35E-04	3.91E-04
1852	567053.48	4216660.6	4.36E-03	3.86E-03	6.25E-04	3.85E-04
1853	567062.57	4216658.42	4.29E-03	3.80E-03	6.15E-04	3.79E-04
1854	567071.67	4216656.23	4.23E-03	3.74E-03	6.06E-04	3.73E-04
1855	567080.76	4216654.05	4.17E-03	3.69E-03	5.98E-04	3.68E-04
1856	566944.08	4216726.26	7.26E-03	6.43E-03	1.04E-03	6.41E-04
1857	566926.94	4216749.91	8.65E-03	7.65E-03	1.24E-03	7.64E-04
1858	566921.23	4216757.8	9.14E-03	8.09E-03	1.31E-03	8.07E-04
1859	566892.67	4216797.22	1.16E-02	1.02E-02	1.66E-03	1.02E-03
1860	566886.96	4216805.11	1.20E-02	1.06E-02	1.72E-03	1.06E-03
1861	566881.25	4216812.99	1.24E-02	1.10E-02	1.78E-03	1.09E-03
1862	566875.53	4216820.88	1.28E-02	1.13E-02	1.83E-03	1.13E-03
1863	566869.82	4216828.76	1.31E-02	1.16E-02	1.87E-03	1.15E-03
1864	566864.11	4216836.65	1.33E-02	1.18E-02	1.91E-03	1.18E-03
1865	566858.4	4216844.53	1.36E-02	1.20E-02	1.95E-03	1.20E-03
1866	566852.69	4216852.42	1.37E-02	1.22E-02	1.97E-03	1.21E-03

1867	566846.97	4216860.3	1.39E-02	1.23E-02	1.99E-03	1.22E-03
1868	566942.73	4216714.62	6.61E-03	5.85E-03	9.47E-04	5.83E-04
1869	566956.23	4216703.06	6.06E-03	5.37E-03	8.69E-04	5.35E-04
1870	566969.73	4216691.51	5.55E-03	4.91E-03	7.96E-04	4.90E-04
1871	566976.48	4216685.73	5.32E-03	4.70E-03	7.62E-04	4.69E-04
1872	566989.98	4216674.18	4.87E-03	4.31E-03	6.99E-04	4.30E-04
1873	567029.39	4216656.4	4.24E-03	3.75E-03	6.08E-04	3.75E-04
1874	567046.66	4216652.24	4.12E-03	3.64E-03	5.90E-04	3.63E-04
1875	567063.94	4216648.09	4.00E-03	3.54E-03	5.74E-04	3.53E-04
1876	566924.56	4216736.16	7.71E-03	6.83E-03	1.11E-03	6.81E-04
1877	566918.85	4216744.05	8.15E-03	7.21E-03	1.17E-03	7.20E-04
1878	566913.13	4216751.93	8.60E-03	7.61E-03	1.23E-03	7.59E-04
1879	566907.42	4216759.82	9.06E-03	8.01E-03	1.30E-03	8.00E-04
1880	566901.71	4216767.7	9.51E-03	8.41E-03	1.36E-03	8.39E-04
1881	566878.86	4216799.24	1.12E-02	9.90E-03	1.60E-03	9.88E-04
1882	566873.15	4216807.13	1.16E-02	1.02E-02	1.66E-03	1.02E-03
1883	566867.44	4216815.01	1.19E-02	1.05E-02	1.71E-03	1.05E-03
1884	566861.72	4216822.9	1.22E-02	1.08E-02	1.75E-03	1.08E-03
1885	566856.01	4216830.78	1.25E-02	1.10E-02	1.79E-03	1.10E-03
1886	566850.3	4216838.67	1.27E-02	1.12E-02	1.82E-03	1.12E-03
1887	566844.59	4216846.55	1.28E-02	1.14E-02	1.84E-03	1.13E-03
1888	566838.88	4216854.44	1.30E-02	1.15E-02	1.86E-03	1.14E-03
1889	566942.09	4216702.36	6.01E-03	5.32E-03	8.61E-04	5.30E-04
1890	566949.2	4216696.28	5.75E-03	5.09E-03	8.24E-04	5.08E-04
1891	566956.3	4216690.2	5.50E-03	4.87E-03	7.88E-04	4.85E-04
1892	566963.41	4216684.12	5.26E-03	4.65E-03	7.54E-04	4.64E-04
1893	566970.51	4216678.04	5.03E-03	4.45E-03	7.21E-04	4.44E-04
1894	566977.62	4216671.96	4.81E-03	4.26E-03	6.90E-04	4.25E-04
1895	566984.72	4216665.88	4.60E-03	4.07E-03	6.60E-04	4.06E-04
1896	566991.82	4216659.8	4.40E-03	3.89E-03	6.31E-04	3.88E-04
1897	567017.11	4216649.35	4.06E-03	3.59E-03	5.82E-04	3.58E-04
1898	567026.21	4216647.16	3.99E-03	3.53E-03	5.72E-04	3.52E-04
1899	567035.3	4216644.98	3.92E-03	3.47E-03	5.63E-04	3.46E-04
1900	567044.39	4216642.79	3.86E-03	3.42E-03	5.54E-04	3.41E-04
1901	567053.48	4216640.6	3.81E-03	3.37E-03	5.46E-04	3.36E-04
1902	567062.57	4216638.42	3.76E-03	3.33E-03	5.39E-04	3.32E-04
1903	567071.67	4216636.23	3.71E-03	3.28E-03	5.32E-04	3.28E-04
1904	567080.76	4216634.05	3.67E-03	3.25E-03	5.26E-04	3.24E-04
1905	566922.17	4216722.41	6.91E-03	6.12E-03	9.91E-04	6.10E-04
1906	566916.46	4216730.3	7.30E-03	6.46E-03	1.05E-03	6.45E-04
1907	566910.75	4216738.18	7.70E-03	6.81E-03	1.10E-03	6.80E-04
1908	566905.04	4216746.07	8.11E-03	7.18E-03	1.16E-03	7.16E-04
1909	566899.32	4216753.95	8.52E-03	7.54E-03	1.22E-03	7.52E-04
1910	566893.61	4216761.84	8.93E-03	7.90E-03	1.28E-03	7.88E-04
1911	566887.9	4216769.72	9.33E-03	8.25E-03	1.34E-03	8.24E-04
1912	566865.05	4216801.26	1.08E-02	9.56E-03	1.55E-03	9.54E-04
1913	566859.34	4216809.15	1.11E-02	9.84E-03	1.59E-03	9.82E-04
1914	566853.63	4216817.03	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1915	566847.91	4216824.92	1.16E-02	1.03E-02	1.67E-03	1.03E-03
1916	566842.2	4216832.8	1.19E-02	1.05E-02	1.70E-03	1.05E-03
1917	566836.49	4216840.69	1.20E-02	1.06E-02	1.72E-03	1.06E-03
1918	566830.78	4216848.57	1.21E-02	1.07E-02	1.74E-03	1.07E-03

1919	566940.13	4216691.25	5.53E-03	4.89E-03	7.93E-04	4.88E-04
1920	566953.69	4216679.64	5.09E-03	4.51E-03	7.31E-04	4.50E-04
1921	566967.26	4216668.03	4.69E-03	4.15E-03	6.72E-04	4.14E-04
1922	566974.04	4216662.23	4.50E-03	3.98E-03	6.45E-04	3.97E-04
1923	566987.6	4216650.62	4.14E-03	3.66E-03	5.93E-04	3.65E-04
1924	567020.42	4216638.55	3.77E-03	3.34E-03	5.41E-04	3.33E-04
1925	567037.78	4216634.38	3.66E-03	3.24E-03	5.25E-04	3.24E-04
1926	567055.13	4216630.21	3.57E-03	3.16E-03	5.12E-04	3.15E-04
1927	567072.49	4216626.03	3.49E-03	3.09E-03	5.00E-04	3.08E-04
1928	566914.07	4216716.54	6.56E-03	5.81E-03	9.41E-04	5.79E-04
1929	566908.36	4216724.43	6.92E-03	6.12E-03	9.92E-04	6.11E-04
1930	566902.65	4216732.31	7.29E-03	6.45E-03	1.04E-03	6.43E-04
1931	566896.94	4216740.2	7.66E-03	6.77E-03	1.10E-03	6.76E-04
1932	566891.23	4216748.08	8.03E-03	7.10E-03	1.15E-03	7.09E-04
1933	566885.51	4216755.97	8.40E-03	7.43E-03	1.20E-03	7.42E-04
1934	566879.8	4216763.85	8.77E-03	7.76E-03	1.26E-03	7.74E-04
1935	566874.09	4216771.74	9.13E-03	8.08E-03	1.31E-03	8.06E-04
1936	566845.53	4216811.16	1.07E-02	9.45E-03	1.53E-03	9.43E-04
1937	566839.82	4216819.05	1.09E-02	9.66E-03	1.57E-03	9.64E-04
1938	566834.1	4216826.93	1.11E-02	9.84E-03	1.59E-03	9.82E-04
1939	566828.39	4216834.82	1.13E-02	9.98E-03	1.62E-03	9.96E-04
1940	566822.68	4216842.7	1.14E-02	1.01E-02	1.64E-03	1.01E-03
1941	566933	4216684.55	5.27E-03	4.66E-03	7.55E-04	4.65E-04
1942	566940.11	4216678.47	5.05E-03	4.47E-03	7.24E-04	4.46E-04
1943	566947.21	4216672.39	4.85E-03	4.29E-03	6.95E-04	4.28E-04
1944	566954.32	4216666.31	4.64E-03	4.11E-03	6.66E-04	4.10E-04
1945	566961.42	4216660.23	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1946	566968.52	4216654.15	4.26E-03	3.77E-03	6.11E-04	3.76E-04
1947	566975.63	4216648.07	4.08E-03	3.61E-03	5.85E-04	3.61E-04
1948	566911.69	4216702.79	5.92E-03	5.24E-03	8.49E-04	5.23E-04
1949	566905.98	4216710.68	6.24E-03	5.52E-03	8.94E-04	5.51E-04
1950	566900.26	4216718.56	6.57E-03	5.81E-03	9.42E-04	5.80E-04
1951	566894.55	4216726.45	6.90E-03	6.11E-03	9.90E-04	6.10E-04
1952	566888.84	4216734.33	7.24E-03	6.41E-03	1.04E-03	6.39E-04
1953	566883.13	4216742.22	7.58E-03	6.71E-03	1.09E-03	6.69E-04
1954	566877.42	4216750.1	7.92E-03	7.01E-03	1.14E-03	7.00E-04
1955	566871.7	4216757.99	8.26E-03	7.31E-03	1.18E-03	7.29E-04
1956	566865.99	4216765.87	8.59E-03	7.60E-03	1.23E-03	7.59E-04
1957	566860.28	4216773.76	8.92E-03	7.89E-03	1.28E-03	7.87E-04
1958	566831.72	4216813.18	1.03E-02	9.08E-03	1.47E-03	9.06E-04
1959	566826.01	4216821.07	1.04E-02	9.25E-03	1.50E-03	9.23E-04
1960	566820.29	4216828.95	1.06E-02	9.39E-03	1.52E-03	9.37E-04
1961	566814.58	4216836.84	1.07E-02	9.50E-03	1.54E-03	9.47E-04
1962	566910.4	4216691.1	5.45E-03	4.82E-03	7.81E-04	4.81E-04
1963	566930.82	4216673.62	4.88E-03	4.32E-03	7.00E-04	4.31E-04
1964	566944.44	4216661.96	4.52E-03	4.00E-03	6.47E-04	3.99E-04
1965	566951.25	4216656.14	4.34E-03	3.84E-03	6.22E-04	3.83E-04
1966	567011.43	4216620.72	3.39E-03	3.00E-03	4.86E-04	2.99E-04
1967	566903.59	4216696.93	5.65E-03	5.00E-03	8.09E-04	4.98E-04
1968	566897.88	4216704.81	5.94E-03	5.26E-03	8.52E-04	5.24E-04
1969	566892.17	4216712.7	6.24E-03	5.52E-03	8.95E-04	5.51E-04
1970	566886.45	4216720.58	6.55E-03	5.80E-03	9.39E-04	5.78E-04

1971	566880.74	4216728.47	6.86E-03	6.07E-03	9.84E-04	6.06E-04
1972	566875.03	4216736.35	7.17E-03	6.35E-03	1.03E-03	6.33E-04
1973	566869.32	4216744.24	7.49E-03	6.63E-03	1.07E-03	6.61E-04
1974	566863.6	4216752.12	7.80E-03	6.90E-03	1.12E-03	6.89E-04
1975	566857.89	4216760.01	8.10E-03	7.17E-03	1.16E-03	7.16E-04
1976	566840.76	4216783.66	8.96E-03	7.93E-03	1.28E-03	7.91E-04
1977	566817.91	4216815.2	9.84E-03	8.71E-03	1.41E-03	8.69E-04
1978	566812.19	4216823.09	9.99E-03	8.84E-03	1.43E-03	8.82E-04
1979	566806.48	4216830.97	1.01E-02	8.95E-03	1.45E-03	8.93E-04
1980	566902.6	4216684.98	5.20E-03	4.61E-03	7.46E-04	4.60E-04
1981	566909.7	4216678.9	5.02E-03	4.44E-03	7.19E-04	4.43E-04
1982	566931.01	4216660.66	4.48E-03	3.96E-03	6.42E-04	3.95E-04
1983	566959.43	4216636.33	3.81E-03	3.37E-03	5.46E-04	3.36E-04
1984	566966.54	4216630.25	3.65E-03	3.23E-03	5.24E-04	3.23E-04
1985	566973.64	4216624.17	3.51E-03	3.11E-03	5.03E-04	3.10E-04
1986	566989.84	4216615.91	3.32E-03	2.94E-03	4.76E-04	2.93E-04
1987	567008.02	4216611.54	3.22E-03	2.85E-03	4.61E-04	2.84E-04
1988	567017.11	4216609.35	3.17E-03	2.80E-03	4.54E-04	2.80E-04
1989	567026.21	4216607.16	3.13E-03	2.77E-03	4.48E-04	2.76E-04
1990	567035.3	4216604.98	3.08E-03	2.73E-03	4.42E-04	2.72E-04
1991	567044.39	4216602.79	3.05E-03	2.70E-03	4.37E-04	2.69E-04
1992	567053.48	4216600.6	3.01E-03	2.66E-03	4.32E-04	2.66E-04
1993	567062.57	4216598.42	2.97E-03	2.63E-03	4.27E-04	2.63E-04
1994	567071.67	4216596.23	2.94E-03	2.60E-03	4.22E-04	2.60E-04
1995	567080.76	4216594.05	2.91E-03	2.58E-03	4.18E-04	2.57E-04
1996	566895.49	4216691.06	5.40E-03	4.77E-03	7.74E-04	4.76E-04
1997	566889.78	4216698.94	5.66E-03	5.01E-03	8.12E-04	5.00E-04
1998	566884.07	4216706.83	5.94E-03	5.26E-03	8.52E-04	5.25E-04
1999	566878.36	4216714.71	6.23E-03	5.51E-03	8.93E-04	5.50E-04
2000	566872.64	4216722.6	6.51E-03	5.76E-03	9.34E-04	5.75E-04
2001	566866.93	4216730.48	6.80E-03	6.02E-03	9.75E-04	6.00E-04
2002	566861.22	4216738.37	7.09E-03	6.27E-03	1.02E-03	6.26E-04
2003	566855.51	4216746.25	7.38E-03	6.53E-03	1.06E-03	6.51E-04
2004	566838.37	4216769.91	8.20E-03	7.26E-03	1.18E-03	7.24E-04
2005	566832.66	4216777.79	8.46E-03	7.48E-03	1.21E-03	7.47E-04
2006	566826.95	4216785.68	8.69E-03	7.69E-03	1.25E-03	7.68E-04
2007	566798.38	4216825.1	9.55E-03	8.45E-03	1.37E-03	8.44E-04
2008	566894.22	4216679.35	4.99E-03	4.42E-03	7.16E-04	4.41E-04
2009	566901.06	4216673.5	4.82E-03	4.27E-03	6.92E-04	4.26E-04
2010	566907.89	4216667.65	4.66E-03	4.12E-03	6.68E-04	4.11E-04
2011	566942.04	4216638.42	3.88E-03	3.43E-03	5.56E-04	3.43E-04
2012	566948.87	4216632.57	3.73E-03	3.30E-03	5.35E-04	3.30E-04
2013	566955.71	4216626.73	3.59E-03	3.18E-03	5.15E-04	3.17E-04
2014	566969.37	4216615.03	3.33E-03	2.95E-03	4.77E-04	2.94E-04
2015	566984.94	4216607.08	3.16E-03	2.79E-03	4.53E-04	2.79E-04
2016	567002.43	4216602.88	3.06E-03	2.71E-03	4.39E-04	2.71E-04
2017	567019.91	4216598.68	2.98E-03	2.64E-03	4.28E-04	2.64E-04
2018	567037.4	4216594.47	2.91E-03	2.58E-03	4.17E-04	2.57E-04
2019	567054.88	4216590.27	2.85E-03	2.52E-03	4.08E-04	2.51E-04
2020	567063.62	4216588.17	2.82E-03	2.49E-03	4.04E-04	2.49E-04
2021	566881.68	4216693.08	5.41E-03	4.79E-03	7.76E-04	4.78E-04
2022	566875.97	4216700.96	5.67E-03	5.02E-03	8.13E-04	5.00E-04

2023	566870.26	4216708.85	5.93E-03	5.25E-03	8.50E-04	5.23E-04
2024	566864.54	4216716.73	6.19E-03	5.48E-03	8.88E-04	5.47E-04
2025	566858.83	4216724.62	6.46E-03	5.71E-03	9.26E-04	5.70E-04
2026	566853.12	4216732.5	6.72E-03	5.95E-03	9.64E-04	5.94E-04
2027	566847.41	4216740.39	6.99E-03	6.19E-03	1.00E-03	6.17E-04
2028	566835.98	4216756.16	7.51E-03	6.65E-03	1.08E-03	6.63E-04
2029	566830.27	4216764.04	7.76E-03	6.86E-03	1.11E-03	6.85E-04
2030	566824.56	4216771.93	7.99E-03	7.07E-03	1.15E-03	7.06E-04
2031	566818.85	4216779.81	8.22E-03	7.27E-03	1.18E-03	7.26E-04
2032	566813.13	4216787.7	8.42E-03	7.45E-03	1.21E-03	7.44E-04
2033	566886.4	4216673.25	4.78E-03	4.23E-03	6.86E-04	4.22E-04
2034	566921.92	4216642.84	3.99E-03	3.53E-03	5.73E-04	3.53E-04
2035	566929.03	4216636.76	3.85E-03	3.41E-03	5.52E-04	3.40E-04
2036	566936.13	4216630.68	3.70E-03	3.28E-03	5.31E-04	3.27E-04
2037	566943.24	4216624.6	3.56E-03	3.15E-03	5.11E-04	3.15E-04
2038	566950.34	4216618.52	3.43E-03	3.03E-03	4.91E-04	3.03E-04
2039	566957.44	4216612.44	3.30E-03	2.92E-03	4.73E-04	2.91E-04
2040	566964.55	4216606.36	3.17E-03	2.81E-03	4.55E-04	2.80E-04
2041	566980.75	4216598.09	3.00E-03	2.66E-03	4.31E-04	2.65E-04
2042	567008.02	4216591.54	2.87E-03	2.54E-03	4.12E-04	2.54E-04
2043	567017.11	4216589.35	2.84E-03	2.51E-03	4.07E-04	2.51E-04
2044	567026.21	4216587.16	2.80E-03	2.48E-03	4.02E-04	2.48E-04
2045	567035.3	4216584.98	2.77E-03	2.45E-03	3.97E-04	2.44E-04
2046	567044.39	4216582.79	2.73E-03	2.42E-03	3.92E-04	2.41E-04
2047	567053.48	4216580.6	2.70E-03	2.39E-03	3.88E-04	2.39E-04
2048	567062.57	4216578.42	2.68E-03	2.37E-03	3.84E-04	2.36E-04
2049	567071.67	4216576.23	2.65E-03	2.35E-03	3.80E-04	2.34E-04
2050	567080.76	4216574.05	2.63E-03	2.33E-03	3.77E-04	2.32E-04
2051	566879.3	4216679.33	4.95E-03	4.38E-03	7.10E-04	4.37E-04
2052	566873.58	4216687.21	5.18E-03	4.58E-03	7.43E-04	4.57E-04
2053	566867.87	4216695.1	5.41E-03	4.79E-03	7.76E-04	4.78E-04
2054	566862.16	4216702.98	5.65E-03	5.00E-03	8.10E-04	4.99E-04
2055	566856.45	4216710.87	5.90E-03	5.22E-03	8.45E-04	5.21E-04
2056	566850.73	4216718.75	6.14E-03	5.44E-03	8.81E-04	5.42E-04
2057	566845.02	4216726.64	6.39E-03	5.65E-03	9.16E-04	5.64E-04
2058	566827.89	4216750.29	7.12E-03	6.30E-03	1.02E-03	6.29E-04
2059	566822.17	4216758.18	7.35E-03	6.50E-03	1.05E-03	6.49E-04
2060	566816.46	4216766.06	7.57E-03	6.70E-03	1.09E-03	6.69E-04
2061	566810.75	4216773.95	7.78E-03	6.88E-03	1.12E-03	6.87E-04
2062	566805.04	4216781.83	7.97E-03	7.06E-03	1.14E-03	7.04E-04
2063	566799.32	4216789.72	8.15E-03	7.21E-03	1.17E-03	7.20E-04
2064	566793.61	4216797.6	8.31E-03	7.35E-03	1.19E-03	7.34E-04
2065	566900.71	4216648.2	4.12E-03	3.64E-03	5.90E-04	3.63E-04
2066	566922.84	4216629.26	3.68E-03	3.26E-03	5.28E-04	3.25E-04
2067	566930.22	4216622.94	3.54E-03	3.13E-03	5.08E-04	3.13E-04
2068	566937.6	4216616.63	3.41E-03	3.01E-03	4.88E-04	3.01E-04
2069	566944.97	4216610.32	3.27E-03	2.90E-03	4.70E-04	2.89E-04
2070	566952.35	4216604	3.15E-03	2.79E-03	4.51E-04	2.78E-04
2071	566959.73	4216597.69	3.03E-03	2.68E-03	4.34E-04	2.67E-04
2072	566976.55	4216589.1	2.86E-03	2.53E-03	4.11E-04	2.53E-04
2073	567004.87	4216582.29	2.74E-03	2.42E-03	3.93E-04	2.42E-04
2074	567014.32	4216580.02	2.70E-03	2.39E-03	3.88E-04	2.39E-04

2075	567023.76	4216577.75	2.67E-03	2.36E-03	3.83E-04	2.36E-04
2076	567033.2	4216575.48	2.64E-03	2.33E-03	3.78E-04	2.33E-04
2077	567042.64	4216573.21	2.60E-03	2.30E-03	3.73E-04	2.30E-04
2078	567052.08	4216570.94	2.57E-03	2.28E-03	3.69E-04	2.27E-04
2079	567061.52	4216568.67	2.55E-03	2.26E-03	3.65E-04	2.25E-04
2080	567070.97	4216566.4	2.52E-03	2.23E-03	3.62E-04	2.23E-04
2081	567080.41	4216564.13	2.50E-03	2.21E-03	3.59E-04	2.21E-04
2082	566865.48	4216681.34	4.96E-03	4.39E-03	7.11E-04	4.38E-04
2083	566859.77	4216689.23	5.17E-03	4.58E-03	7.42E-04	4.57E-04
2084	566854.06	4216697.11	5.40E-03	4.77E-03	7.74E-04	4.76E-04
2085	566848.35	4216705	5.62E-03	4.97E-03	8.06E-04	4.96E-04
2086	566842.64	4216712.88	5.85E-03	5.18E-03	8.39E-04	5.17E-04
2087	566825.5	4216736.54	6.54E-03	5.78E-03	9.37E-04	5.77E-04
2088	566819.79	4216744.42	6.76E-03	5.98E-03	9.69E-04	5.97E-04
2089	566814.07	4216752.31	6.98E-03	6.17E-03	1.00E-03	6.16E-04
2090	566808.36	4216760.19	7.18E-03	6.36E-03	1.03E-03	6.34E-04
2091	566802.65	4216768.08	7.38E-03	6.53E-03	1.06E-03	6.52E-04
2092	566796.94	4216775.96	7.56E-03	6.69E-03	1.08E-03	6.68E-04
2093	566791.23	4216783.85	7.73E-03	6.84E-03	1.11E-03	6.83E-04
2094	566785.51	4216791.73	7.88E-03	6.98E-03	1.13E-03	6.96E-04
2095	566779.8	4216799.62	8.02E-03	7.09E-03	1.15E-03	7.08E-04
2096	566877.31	4216655.43	4.27E-03	3.78E-03	6.12E-04	3.77E-04
2097	566884.41	4216649.35	4.13E-03	3.65E-03	5.92E-04	3.65E-04
2098	566891.52	4216643.27	3.99E-03	3.53E-03	5.72E-04	3.52E-04
2099	566898.62	4216637.19	3.85E-03	3.41E-03	5.52E-04	3.40E-04
2100	566919.93	4216618.95	3.46E-03	3.07E-03	4.97E-04	3.06E-04
2101	566927.04	4216612.87	3.34E-03	2.96E-03	4.79E-04	2.95E-04
2102	566934.14	4216606.79	3.22E-03	2.85E-03	4.62E-04	2.85E-04
2103	566941.25	4216600.71	3.10E-03	2.75E-03	4.45E-04	2.74E-04
2104	566948.35	4216594.63	2.99E-03	2.65E-03	4.29E-04	2.64E-04
2105	566955.46	4216588.55	2.88E-03	2.55E-03	4.13E-04	2.55E-04
2106	566971.65	4216580.28	2.74E-03	2.42E-03	3.92E-04	2.42E-04
2107	566998.93	4216573.72	2.62E-03	2.32E-03	3.76E-04	2.31E-04
2108	567008.02	4216571.54	2.59E-03	2.29E-03	3.71E-04	2.29E-04
2109	567017.11	4216569.35	2.56E-03	2.26E-03	3.67E-04	2.26E-04
2110	567026.21	4216567.16	2.53E-03	2.24E-03	3.63E-04	2.23E-04
2111	567035.3	4216564.98	2.50E-03	2.21E-03	3.59E-04	2.21E-04
2112	567044.39	4216562.79	2.47E-03	2.19E-03	3.55E-04	2.18E-04
2113	567053.48	4216560.6	2.45E-03	2.17E-03	3.51E-04	2.16E-04
2114	567062.57	4216558.42	2.43E-03	2.15E-03	3.48E-04	2.14E-04
2115	567071.67	4216556.23	2.40E-03	2.13E-03	3.45E-04	2.12E-04
2116	567080.76	4216554.05	2.38E-03	2.11E-03	3.42E-04	2.10E-04
2117	566851.67	4216683.36	4.95E-03	4.38E-03	7.10E-04	4.37E-04
2118	566845.96	4216691.25	5.16E-03	4.56E-03	7.40E-04	4.55E-04
2119	566840.25	4216699.13	5.37E-03	4.75E-03	7.70E-04	4.74E-04
2120	566823.11	4216722.79	6.01E-03	5.32E-03	8.62E-04	5.31E-04
2121	566817.4	4216730.67	6.22E-03	5.50E-03	8.92E-04	5.49E-04
2122	566811.69	4216738.56	6.43E-03	5.69E-03	9.22E-04	5.68E-04
2123	566805.98	4216746.44	6.63E-03	5.87E-03	9.51E-04	5.85E-04
2124	566800.26	4216754.33	6.82E-03	6.04E-03	9.79E-04	6.03E-04
2125	566794.55	4216762.21	7.01E-03	6.20E-03	1.01E-03	6.19E-04
2126	566788.84	4216770.1	7.18E-03	6.36E-03	1.03E-03	6.34E-04

2127	566783.13	4216777.98	7.34E-03	6.50E-03	1.05E-03	6.48E-04
2128	566777.42	4216785.87	7.49E-03	6.63E-03	1.07E-03	6.61E-04
2129	566771.7	4216793.75	7.62E-03	6.74E-03	1.09E-03	6.72E-04
2130	566765.99	4216801.64	7.73E-03	6.84E-03	1.11E-03	6.82E-04
2131	566862.36	4216655.43	4.23E-03	3.75E-03	6.07E-04	3.74E-04
2132	566869.72	4216649.13	4.10E-03	3.63E-03	5.88E-04	3.62E-04
2133	566877.08	4216642.83	3.96E-03	3.51E-03	5.68E-04	3.50E-04
2134	566884.43	4216636.53	3.83E-03	3.39E-03	5.49E-04	3.38E-04
2135	566891.79	4216630.24	3.70E-03	3.27E-03	5.30E-04	3.26E-04
2136	566913.87	4216611.34	3.32E-03	2.94E-03	4.76E-04	2.93E-04
2137	566921.22	4216605.05	3.20E-03	2.83E-03	4.59E-04	2.83E-04
2138	566928.58	4216598.75	3.09E-03	2.73E-03	4.42E-04	2.72E-04
2139	566935.94	4216592.45	2.97E-03	2.63E-03	4.26E-04	2.62E-04
2140	566943.3	4216586.15	2.86E-03	2.53E-03	4.10E-04	2.53E-04
2141	566950.66	4216579.86	2.76E-03	2.44E-03	3.95E-04	2.43E-04
2142	566967.43	4216571.29	2.62E-03	2.31E-03	3.75E-04	2.31E-04
2143	566976.85	4216569.03	2.58E-03	2.28E-03	3.69E-04	2.27E-04
2144	566995.68	4216564.5	2.50E-03	2.21E-03	3.59E-04	2.21E-04
2145	567005.1	4216562.24	2.47E-03	2.19E-03	3.54E-04	2.18E-04
2146	567014.52	4216559.97	2.44E-03	2.16E-03	3.50E-04	2.16E-04
2147	567023.93	4216557.71	2.41E-03	2.14E-03	3.46E-04	2.13E-04
2148	567033.35	4216555.45	2.39E-03	2.11E-03	3.42E-04	2.11E-04
2149	567042.77	4216553.18	2.36E-03	2.09E-03	3.39E-04	2.09E-04
2150	567052.18	4216550.92	2.34E-03	2.07E-03	3.35E-04	2.07E-04
2151	567061.6	4216548.65	2.32E-03	2.05E-03	3.32E-04	2.05E-04
2152	567071.02	4216546.39	2.30E-03	2.03E-03	3.29E-04	2.03E-04
2153	567080.43	4216544.12	2.28E-03	2.01E-03	3.26E-04	2.01E-04
2154	566855	4216661.73	4.37E-03	3.87E-03	6.27E-04	3.86E-04
2155	566837.86	4216685.38	4.94E-03	4.37E-03	7.08E-04	4.36E-04
2156	566820.73	4216709.04	5.53E-03	4.89E-03	7.93E-04	4.88E-04
2157	566815.02	4216716.92	5.73E-03	5.07E-03	8.22E-04	5.06E-04
2158	566809.3	4216724.81	5.93E-03	5.25E-03	8.50E-04	5.23E-04
2159	566803.59	4216732.69	6.12E-03	5.42E-03	8.78E-04	5.41E-04
2160	566797.88	4216740.58	6.31E-03	5.59E-03	9.05E-04	5.57E-04
2161	566792.17	4216748.46	6.49E-03	5.75E-03	9.31E-04	5.73E-04
2162	566786.45	4216756.35	6.67E-03	5.90E-03	9.56E-04	5.89E-04
2163	566780.74	4216764.23	6.83E-03	6.05E-03	9.80E-04	6.03E-04
2164	566775.03	4216772.12	6.98E-03	6.18E-03	1.00E-03	6.17E-04
2165	566769.32	4216780	7.12E-03	6.30E-03	1.02E-03	6.29E-04
2166	566763.61	4216787.89	7.25E-03	6.41E-03	1.04E-03	6.40E-04
2167	566757.89	4216795.77	7.35E-03	6.51E-03	1.05E-03	6.49E-04
2168	566854.01	4216649.78	4.08E-03	3.61E-03	5.85E-04	3.60E-04
2169	566861.11	4216643.7	3.95E-03	3.50E-03	5.67E-04	3.49E-04
2170	566868.22	4216637.62	3.83E-03	3.39E-03	5.50E-04	3.39E-04
2171	566875.32	4216631.54	3.71E-03	3.29E-03	5.33E-04	3.28E-04
2172	566882.42	4216625.46	3.59E-03	3.18E-03	5.15E-04	3.17E-04
2173	566889.53	4216619.38	3.48E-03	3.08E-03	4.98E-04	3.07E-04
2174	566910.84	4216601.13	3.14E-03	2.78E-03	4.50E-04	2.77E-04
2175	566917.95	4216595.05	3.03E-03	2.68E-03	4.35E-04	2.68E-04
2176	566925.05	4216588.97	2.93E-03	2.59E-03	4.20E-04	2.58E-04
2177	566932.16	4216582.89	2.82E-03	2.50E-03	4.05E-04	2.49E-04
2178	566939.26	4216576.81	2.73E-03	2.41E-03	3.91E-04	2.41E-04

2179	566946.36	4216570.73	2.63E-03	2.33E-03	3.78E-04	2.32E-04
2180	566962.56	4216562.47	2.51E-03	2.22E-03	3.59E-04	2.21E-04
2181	566971.65	4216560.28	2.47E-03	2.19E-03	3.54E-04	2.18E-04
2182	566989.84	4216555.91	2.40E-03	2.13E-03	3.45E-04	2.12E-04
2183	566998.93	4216553.72	2.37E-03	2.10E-03	3.40E-04	2.10E-04
2184	567008.02	4216551.54	2.35E-03	2.08E-03	3.36E-04	2.07E-04
2185	567017.11	4216549.35	2.32E-03	2.05E-03	3.33E-04	2.05E-04
2186	567026.21	4216547.16	2.30E-03	2.03E-03	3.29E-04	2.03E-04
2187	567035.3	4216544.98	2.27E-03	2.01E-03	3.26E-04	2.01E-04
2188	567044.39	4216542.79	2.25E-03	1.99E-03	3.23E-04	1.99E-04
2189	567053.48	4216540.6	2.23E-03	1.97E-03	3.20E-04	1.97E-04
2190	567062.57	4216538.42	2.21E-03	1.96E-03	3.17E-04	1.95E-04
2191	567071.67	4216536.23	2.19E-03	1.94E-03	3.14E-04	1.94E-04
2192	567080.76	4216534.05	2.18E-03	1.93E-03	3.12E-04	1.92E-04
2193	566846.9	4216655.86	4.20E-03	3.72E-03	6.02E-04	3.71E-04
2194	566841.19	4216663.74	4.37E-03	3.87E-03	6.27E-04	3.86E-04
2195	566818.34	4216695.28	5.10E-03	4.51E-03	7.31E-04	4.50E-04
2196	566812.63	4216703.17	5.28E-03	4.68E-03	7.58E-04	4.67E-04
2197	566806.92	4216711.05	5.47E-03	4.84E-03	7.85E-04	4.83E-04
2198	566801.2	4216718.94	5.66E-03	5.01E-03	8.11E-04	4.99E-04
2199	566795.49	4216726.82	5.84E-03	5.17E-03	8.37E-04	5.16E-04
2200	566789.78	4216734.71	6.02E-03	5.32E-03	8.63E-04	5.31E-04
2201	566784.07	4216742.59	6.19E-03	5.48E-03	8.87E-04	5.47E-04
2202	566778.36	4216750.48	6.35E-03	5.62E-03	9.11E-04	5.61E-04
2203	566772.64	4216758.36	6.51E-03	5.76E-03	9.33E-04	5.75E-04
2204	566766.93	4216766.25	6.65E-03	5.89E-03	9.54E-04	5.87E-04
2205	566761.22	4216774.13	6.78E-03	6.00E-03	9.73E-04	5.99E-04
2206	566755.51	4216782.02	6.90E-03	6.11E-03	9.90E-04	6.10E-04
2207	566749.79	4216789.9	7.00E-03	6.20E-03	1.00E-03	6.18E-04
2208	566846.15	4216643.71	3.92E-03	3.47E-03	5.62E-04	3.46E-04
2209	566853.49	4216637.43	3.80E-03	3.37E-03	5.45E-04	3.36E-04
2210	566860.83	4216631.14	3.69E-03	3.26E-03	5.29E-04	3.25E-04
2211	566868.17	4216624.86	3.57E-03	3.16E-03	5.12E-04	3.15E-04
2212	566875.51	4216618.58	3.46E-03	3.06E-03	4.96E-04	3.05E-04
2213	566882.85	4216612.29	3.34E-03	2.96E-03	4.79E-04	2.95E-04
2214	566890.19	4216606.01	3.23E-03	2.86E-03	4.63E-04	2.85E-04
2215	566912.22	4216587.16	2.91E-03	2.58E-03	4.17E-04	2.57E-04
2216	566919.56	4216580.88	2.81E-03	2.49E-03	4.03E-04	2.48E-04
2217	566926.9	4216574.59	2.71E-03	2.40E-03	3.88E-04	2.39E-04
2218	566934.24	4216568.31	2.61E-03	2.31E-03	3.75E-04	2.31E-04
2219	566941.58	4216562.03	2.52E-03	2.23E-03	3.62E-04	2.23E-04
2220	566958.32	4216553.49	2.40E-03	2.12E-03	3.44E-04	2.12E-04
2221	566967.71	4216551.23	2.37E-03	2.09E-03	3.39E-04	2.09E-04
2222	566986.5	4216546.71	2.30E-03	2.04E-03	3.30E-04	2.03E-04
2223	566995.9	4216544.45	2.27E-03	2.01E-03	3.26E-04	2.01E-04
2224	567005.29	4216542.19	2.25E-03	1.99E-03	3.22E-04	1.98E-04
2225	567014.69	4216539.93	2.22E-03	1.96E-03	3.18E-04	1.96E-04
2226	567024.08	4216537.67	2.20E-03	1.94E-03	3.15E-04	1.94E-04
2227	567033.48	4216535.41	2.17E-03	1.92E-03	3.12E-04	1.92E-04
2228	567042.87	4216533.15	2.15E-03	1.91E-03	3.09E-04	1.90E-04
2229	567052.27	4216530.9	2.13E-03	1.89E-03	3.06E-04	1.88E-04
2230	567061.66	4216528.64	2.12E-03	1.87E-03	3.03E-04	1.87E-04

2231	567071.06	4216526.38	2.10E-03	1.86E-03	3.01E-04	1.85E-04
2232	567080.45	4216524.12	2.08E-03	1.84E-03	2.99E-04	1.84E-04
2233	566838.8	4216649.99	4.04E-03	3.57E-03	5.79E-04	3.57E-04
2234	566833.09	4216657.88	4.20E-03	3.72E-03	6.03E-04	3.71E-04
2235	566827.38	4216665.76	4.37E-03	3.87E-03	6.26E-04	3.86E-04
2236	566804.53	4216697.3	5.06E-03	4.47E-03	7.25E-04	4.46E-04
2237	566798.82	4216705.19	5.23E-03	4.63E-03	7.50E-04	4.62E-04
2238	566793.11	4216713.07	5.40E-03	4.78E-03	7.75E-04	4.77E-04
2239	566787.39	4216720.96	5.58E-03	4.93E-03	8.00E-04	4.92E-04
2240	566781.68	4216728.84	5.74E-03	5.08E-03	8.23E-04	5.07E-04
2241	566775.97	4216736.73	5.90E-03	5.22E-03	8.47E-04	5.21E-04
2242	566770.26	4216744.61	6.06E-03	5.36E-03	8.69E-04	5.35E-04
2243	566764.55	4216752.5	6.21E-03	5.49E-03	8.90E-04	5.48E-04
2244	566758.83	4216760.38	6.34E-03	5.61E-03	9.10E-04	5.60E-04
2245	566753.12	4216768.27	6.47E-03	5.73E-03	9.28E-04	5.71E-04
2246	566747.41	4216776.15	6.58E-03	5.82E-03	9.44E-04	5.81E-04
2247	566741.7	4216784.04	6.68E-03	5.91E-03	9.58E-04	5.90E-04
2248	566996.35	4216991.83	7.96E-02	7.05E-02	1.14E-02	7.03E-03
2249	566983.49	4216995.37	6.22E-02	5.50E-02	8.92E-03	5.49E-03
2250	566998.28	4217005.03	6.54E-02	5.79E-02	9.38E-03	5.78E-03
2251	566959.26	4216971.55	5.18E-02	4.59E-02	7.43E-03	4.58E-03
2252	566978.02	4217003.74	5.20E-02	4.60E-02	7.46E-03	4.59E-03
2253	566992.81	4217013.4	5.34E-02	4.73E-02	7.66E-03	4.72E-03
2254	567007.6	4217023.07	5.35E-02	4.74E-02	7.68E-03	4.73E-03
2255	566952.06	4216987.61	4.38E-02	3.87E-02	6.28E-03	3.87E-03
2256	566949.43	4216973.37	4.50E-02	3.98E-02	6.46E-03	3.98E-03
2257	566972.55	4217012.11	4.41E-02	3.90E-02	6.32E-03	3.89E-03
2258	566987.34	4217021.77	4.45E-02	3.94E-02	6.39E-03	3.93E-03
2259	567002.13	4217031.44	4.37E-02	3.87E-02	6.27E-03	3.86E-03
2260	566946.59	4216995.98	3.89E-02	3.44E-02	5.58E-03	3.44E-03
2261	566939.6	4216975.18	3.96E-02	3.51E-02	5.68E-03	3.50E-03
2262	566943.07	4216959.82	4.22E-02	3.73E-02	6.05E-03	3.73E-03
2263	566967.08	4217020.48	3.78E-02	3.34E-02	5.42E-03	3.34E-03
2264	566981.87	4217030.15	3.76E-02	3.33E-02	5.39E-03	3.32E-03
2265	566996.66	4217039.81	3.63E-02	3.22E-02	5.21E-03	3.21E-03
2266	566941.12	4217004.35	3.46E-02	3.06E-02	4.96E-03	3.06E-03
2267	566932.39	4216991.24	3.44E-02	3.04E-02	4.93E-03	3.03E-03
2268	566929.76	4216977	3.53E-02	3.12E-02	5.06E-03	3.12E-03
2269	566933.23	4216961.64	3.75E-02	3.32E-02	5.38E-03	3.32E-03
2270	566961.61	4217028.85	3.26E-02	2.89E-02	4.68E-03	2.88E-03
2271	566976.4	4217038.52	3.21E-02	2.84E-02	4.60E-03	2.83E-03
2272	566991.19	4217048.18	3.06E-02	2.71E-02	4.39E-03	2.70E-03
2273	566935.65	4217012.72	3.08E-02	2.73E-02	4.42E-03	2.72E-03
2274	566926.92	4216999.61	3.11E-02	2.75E-02	4.46E-03	2.75E-03
2275	566919.93	4216978.81	3.17E-02	2.80E-02	4.54E-03	2.80E-03
2276	566923.4	4216963.45	3.37E-02	2.98E-02	4.83E-03	2.97E-03
2277	566926.87	4216948.09	3.47E-02	3.07E-02	4.98E-03	3.06E-03
2278	566956.14	4217037.22	2.84E-02	2.51E-02	4.07E-03	2.51E-03
2279	566930.18	4217021.09	2.75E-02	2.44E-02	3.95E-03	2.43E-03
2280	566921.45	4217007.98	2.81E-02	2.49E-02	4.04E-03	2.49E-03
2281	566912.72	4216994.87	2.79E-02	2.47E-02	4.00E-03	2.47E-03
2282	566910.09	4216980.63	2.86E-02	2.53E-02	4.11E-03	2.53E-03

2283	566913.57	4216965.27	3.04E-02	2.69E-02	4.36E-03	2.69E-03
2284	566917.04	4216949.9	3.14E-02	2.78E-02	4.51E-03	2.78E-03
2285	566965.46	4217055.26	2.39E-02	2.12E-02	3.43E-03	2.11E-03
2286	566980.25	4217064.93	2.24E-02	1.98E-02	3.21E-03	1.98E-03
2287	566924.71	4217029.46	2.46E-02	2.18E-02	3.53E-03	2.17E-03
2288	566915.98	4217016.35	2.55E-02	2.25E-02	3.65E-03	2.25E-03
2289	566907.25	4217003.24	2.56E-02	2.27E-02	3.67E-03	2.26E-03
2290	566900.26	4216982.44	2.61E-02	2.31E-02	3.74E-03	2.30E-03
2291	566903.73	4216967.08	2.76E-02	2.45E-02	3.96E-03	2.44E-03
2292	566907.2	4216951.72	2.86E-02	2.53E-02	4.10E-03	2.53E-03
2293	566910.67	4216936.35	2.89E-02	2.56E-02	4.14E-03	2.55E-03
2294	566945.2	4217053.96	2.19E-02	1.93E-02	3.14E-03	1.93E-03
2295	566959.99	4217063.63	2.09E-02	1.85E-02	2.99E-03	1.84E-03
2296	566974.78	4217073.3	1.94E-02	1.72E-02	2.78E-03	1.71E-03
2297	566917.78	4217035.65	2.23E-02	1.97E-02	3.19E-03	1.97E-03
2298	566908.09	4217021.08	2.32E-02	2.06E-02	3.33E-03	2.05E-03
2299	566898.39	4217006.51	2.34E-02	2.07E-02	3.36E-03	2.07E-03
2300	566890.62	4216983.41	2.39E-02	2.12E-02	3.43E-03	2.11E-03
2301	566894.48	4216966.34	2.54E-02	2.25E-02	3.65E-03	2.25E-03
2302	566898.33	4216949.26	2.63E-02	2.33E-02	3.78E-03	2.33E-03
2303	566900.26	4216940.73	2.65E-02	2.35E-02	3.80E-03	2.34E-03
2304	566939.73	4217062.34	1.93E-02	1.71E-02	2.77E-03	1.71E-03
2305	566954.52	4217072	1.83E-02	1.62E-02	2.63E-03	1.62E-03
2306	566969.31	4217081.67	1.69E-02	1.50E-02	2.43E-03	1.49E-03
2307	566893.26	4217015.39	2.15E-02	1.90E-02	3.09E-03	1.90E-03
2308	566883.66	4217000.97	2.14E-02	1.89E-02	3.07E-03	1.89E-03
2309	566880.77	4216985.31	2.20E-02	1.94E-02	3.15E-03	1.94E-03
2310	566884.58	4216968.41	2.33E-02	2.06E-02	3.35E-03	2.06E-03
2311	566888.4	4216951.51	2.42E-02	2.14E-02	3.47E-03	2.14E-03
2312	566892.22	4216934.61	2.45E-02	2.17E-02	3.51E-03	2.16E-03
2313	566934.25	4217070.71	1.72E-02	1.52E-02	2.46E-03	1.52E-03
2314	566949.05	4217080.37	1.62E-02	1.43E-02	2.32E-03	1.43E-03
2315	566963.84	4217090.04	1.48E-02	1.31E-02	2.13E-03	1.31E-03
2316	566907.11	4217052.79	1.80E-02	1.60E-02	2.59E-03	1.59E-03
2317	566878.54	4217009.88	1.98E-02	1.76E-02	2.85E-03	1.75E-03
2318	566870.92	4216987.19	2.03E-02	1.79E-02	2.91E-03	1.79E-03
2319	566874.7	4216970.43	2.15E-02	1.90E-02	3.08E-03	1.90E-03
2320	566878.49	4216953.67	2.23E-02	1.97E-02	3.20E-03	1.97E-03
2321	566882.28	4216936.91	2.27E-02	2.00E-02	3.25E-03	2.00E-03
2322	566886.06	4216920.15	2.25E-02	1.99E-02	3.23E-03	1.99E-03
2323	566928.78	4217079.08	1.53E-02	1.35E-02	2.19E-03	1.35E-03
2324	566943.58	4217088.74	1.43E-02	1.27E-02	2.05E-03	1.26E-03
2325	566958.37	4217098.41	1.31E-02	1.16E-02	1.88E-03	1.16E-03
2326	566901.74	4217061.31	1.63E-02	1.44E-02	2.33E-03	1.44E-03
2327	566892.28	4217047.1	1.74E-02	1.54E-02	2.49E-03	1.54E-03
2328	566882.83	4217032.9	1.81E-02	1.60E-02	2.59E-03	1.60E-03
2329	566861.07	4216989.07	1.87E-02	1.66E-02	2.69E-03	1.65E-03
2330	566864.83	4216972.42	1.98E-02	1.76E-02	2.85E-03	1.75E-03
2331	566868.59	4216955.78	2.06E-02	1.83E-02	2.96E-03	1.82E-03
2332	566872.35	4216939.13	2.10E-02	1.86E-02	3.01E-03	1.86E-03
2333	566876.11	4216922.49	2.10E-02	1.86E-02	3.01E-03	1.85E-03
2334	566923.31	4217087.45	1.37E-02	1.21E-02	1.96E-03	1.21E-03

2335	566938.11	4217097.12	1.27E-02	1.13E-02	1.83E-03	1.13E-03
2336	566952.9	4217106.78	1.16E-02	1.03E-02	1.67E-03	1.03E-03
2337	566896.35	4217069.81	1.47E-02	1.30E-02	2.11E-03	1.30E-03
2338	566886.95	4217055.69	1.58E-02	1.40E-02	2.27E-03	1.40E-03
2339	566877.55	4217041.56	1.66E-02	1.47E-02	2.38E-03	1.46E-03
2340	566868.15	4217027.44	1.70E-02	1.50E-02	2.44E-03	1.50E-03
2341	566858.75	4217013.32	1.71E-02	1.51E-02	2.45E-03	1.51E-03
2342	566854.96	4216974.38	1.84E-02	1.63E-02	2.64E-03	1.62E-03
2343	566858.7	4216957.84	1.91E-02	1.69E-02	2.74E-03	1.69E-03
2344	566862.44	4216941.29	1.95E-02	1.73E-02	2.80E-03	1.72E-03
2345	566866.18	4216924.75	1.96E-02	1.73E-02	2.81E-03	1.73E-03
2346	566869.92	4216908.2	1.93E-02	1.70E-02	2.76E-03	1.70E-03
2347	566917.84	4217095.82	1.23E-02	1.09E-02	1.76E-03	1.08E-03
2348	566932.64	4217105.49	1.14E-02	1.01E-02	1.63E-03	1.01E-03
2349	566947.43	4217115.15	1.04E-02	9.17E-03	1.49E-03	9.15E-04
2350	566890.95	4217078.29	1.33E-02	1.18E-02	1.91E-03	1.18E-03
2351	566881.6	4217064.24	1.44E-02	1.28E-02	2.07E-03	1.27E-03
2352	566872.25	4217050.19	1.52E-02	1.35E-02	2.18E-03	1.34E-03
2353	566862.9	4217036.14	1.57E-02	1.39E-02	2.25E-03	1.39E-03
2354	566853.55	4217022.09	1.59E-02	1.41E-02	2.28E-03	1.41E-03
2355	566844.2	4217008.04	1.58E-02	1.40E-02	2.27E-03	1.40E-03
2356	566845.1	4216976.33	1.71E-02	1.51E-02	2.45E-03	1.51E-03
2357	566848.82	4216959.86	1.78E-02	1.57E-02	2.55E-03	1.57E-03
2358	566852.54	4216943.4	1.82E-02	1.61E-02	2.61E-03	1.61E-03
2359	566912.37	4217104.19	1.11E-02	9.78E-03	1.59E-03	9.76E-04
2360	566927.17	4217113.86	1.02E-02	9.04E-03	1.47E-03	9.02E-04
2361	566941.96	4217123.53	9.29E-03	8.22E-03	1.33E-03	8.20E-04
2362	566885.54	4217086.75	1.21E-02	1.07E-02	1.74E-03	1.07E-03
2363	566876.23	4217072.76	1.32E-02	1.16E-02	1.89E-03	1.16E-03
2364	566866.93	4217058.78	1.40E-02	1.24E-02	2.00E-03	1.23E-03
2365	566857.62	4217044.79	1.45E-02	1.29E-02	2.09E-03	1.28E-03
2366	566848.31	4217030.81	1.48E-02	1.31E-02	2.13E-03	1.31E-03
2367	566839	4217016.82	1.49E-02	1.32E-02	2.13E-03	1.31E-03
2368	566831.54	4216994.64	1.51E-02	1.34E-02	2.17E-03	1.34E-03
2369	566835.24	4216978.25	1.60E-02	1.41E-02	2.29E-03	1.41E-03
2370	566838.94	4216961.86	1.66E-02	1.47E-02	2.38E-03	1.46E-03
2371	566842.65	4216945.47	1.70E-02	1.50E-02	2.43E-03	1.50E-03
2372	566850.05	4216912.7	1.70E-02	1.50E-02	2.44E-03	1.50E-03
2373	566906.9	4217112.56	1.00E-02	8.85E-03	1.43E-03	8.83E-04
2374	566921.7	4217122.23	9.22E-03	8.16E-03	1.32E-03	8.14E-04
2375	566936.49	4217131.9	8.36E-03	7.40E-03	1.20E-03	7.39E-04
2376	566880.13	4217095.2	1.11E-02	9.78E-03	1.59E-03	9.76E-04
2377	566870.86	4217081.27	1.20E-02	1.07E-02	1.73E-03	1.06E-03
2378	566861.58	4217067.34	1.29E-02	1.14E-02	1.84E-03	1.13E-03
2379	566852.31	4217053.41	1.35E-02	1.19E-02	1.93E-03	1.19E-03
2380	566843.04	4217039.48	1.38E-02	1.22E-02	1.98E-03	1.22E-03
2381	566833.76	4217025.55	1.40E-02	1.24E-02	2.00E-03	1.23E-03
2382	566824.49	4217011.61	1.39E-02	1.23E-02	1.99E-03	1.23E-03
2383	566821.7	4216996.49	1.42E-02	1.26E-02	2.03E-03	1.25E-03
2384	566829.07	4216963.84	1.55E-02	1.37E-02	2.23E-03	1.37E-03
2385	566840.14	4216914.87	1.60E-02	1.42E-02	2.30E-03	1.41E-03
2386	566843.83	4216898.54	1.57E-02	1.39E-02	2.25E-03	1.39E-03

2387	566901.43	4217120.93	9.08E-03	8.04E-03	1.30E-03	8.02E-04
2388	566916.23	4217130.6	8.35E-03	7.39E-03	1.20E-03	7.38E-04
2389	566931.02	4217140.27	7.57E-03	6.70E-03	1.09E-03	6.68E-04
2390	566874.71	4217103.65	1.01E-02	8.94E-03	1.45E-03	8.92E-04
2391	566865.47	4217089.76	1.10E-02	9.76E-03	1.58E-03	9.74E-04
2392	566856.22	4217075.88	1.18E-02	1.05E-02	1.70E-03	1.04E-03
2393	566846.98	4217062	1.25E-02	1.10E-02	1.79E-03	1.10E-03
2394	566837.74	4217048.11	1.29E-02	1.14E-02	1.85E-03	1.14E-03
2395	566828.5	4217034.23	1.31E-02	1.16E-02	1.88E-03	1.16E-03
2396	566819.26	4217020.35	1.31E-02	1.16E-02	1.88E-03	1.16E-03
2397	566811.86	4216998.33	1.33E-02	1.18E-02	1.91E-03	1.18E-03
2398	566826.56	4216933.26	1.51E-02	1.34E-02	2.17E-03	1.34E-03
2399	566830.24	4216916.99	1.51E-02	1.34E-02	2.17E-03	1.33E-03
2400	566833.91	4216900.72	1.49E-02	1.32E-02	2.14E-03	1.32E-03
2401	566895.96	4217129.31	8.27E-03	7.32E-03	1.19E-03	7.30E-04
2402	566910.76	4217138.97	7.59E-03	6.72E-03	1.09E-03	6.71E-04
2403	566925.55	4217148.64	6.88E-03	6.09E-03	9.86E-04	6.07E-04
2404	566858.71	4217096.21	1.03E-02	9.07E-03	1.47E-03	9.05E-04
2405	566848.96	4217081.55	1.10E-02	9.77E-03	1.58E-03	9.75E-04
2406	566839.2	4217066.9	1.17E-02	1.03E-02	1.67E-03	1.03E-03
2407	566829.45	4217052.24	1.21E-02	1.07E-02	1.74E-03	1.07E-03
2408	566819.69	4217037.59	1.23E-02	1.09E-02	1.77E-03	1.09E-03
2409	566809.94	4217022.93	1.23E-02	1.09E-02	1.77E-03	1.09E-03
2410	566813.77	4216948.18	1.41E-02	1.25E-02	2.02E-03	1.25E-03
2411	566817.64	4216931.01	1.43E-02	1.26E-02	2.05E-03	1.26E-03
2412	566821.52	4216913.84	1.43E-02	1.26E-02	2.04E-03	1.26E-03
2413	566825.4	4216896.67	1.40E-02	1.24E-02	2.01E-03	1.24E-03
2414	566890.49	4217137.68	7.55E-03	6.68E-03	1.08E-03	6.67E-04
2415	566905.29	4217147.34	6.93E-03	6.13E-03	9.93E-04	6.12E-04
2416	566920.08	4217157.01	6.27E-03	5.55E-03	8.99E-04	5.54E-04
2417	566843.69	4217090.22	1.02E-02	9.02E-03	1.46E-03	9.00E-04
2418	566833.99	4217075.65	1.08E-02	9.58E-03	1.55E-03	9.56E-04
2419	566824.29	4217061.09	1.13E-02	9.99E-03	1.62E-03	9.96E-04
2420	566814.6	4217046.52	1.16E-02	1.02E-02	1.66E-03	1.02E-03
2421	566804.9	4217031.95	1.17E-02	1.03E-02	1.67E-03	1.03E-03
2422	566795.2	4217017.38	1.16E-02	1.03E-02	1.66E-03	1.02E-03
2423	566803.85	4216950.35	1.33E-02	1.18E-02	1.91E-03	1.18E-03
2424	566807.71	4216933.27	1.35E-02	1.19E-02	1.94E-03	1.19E-03
2425	566809.64	4216924.74	1.35E-02	1.20E-02	1.94E-03	1.19E-03
2426	566813.49	4216907.67	1.34E-02	1.19E-02	1.93E-03	1.19E-03
2427	566817.35	4216890.6	1.32E-02	1.17E-02	1.89E-03	1.16E-03
2428	566885.02	4217146.05	6.92E-03	6.12E-03	9.92E-04	6.11E-04
2429	566899.82	4217155.71	6.33E-03	5.60E-03	9.08E-04	5.59E-04
2430	566914.61	4217165.38	5.73E-03	5.07E-03	8.22E-04	5.06E-04
2431	566857.69	4217127.85	7.87E-03	6.96E-03	1.13E-03	6.95E-04
2432	566848.04	4217113.35	8.68E-03	7.68E-03	1.25E-03	7.67E-04
2433	566819.1	4217069.88	1.05E-02	9.31E-03	1.51E-03	9.29E-04
2434	566809.46	4217055.39	1.08E-02	9.60E-03	1.56E-03	9.58E-04
2435	566799.81	4217040.89	1.10E-02	9.74E-03	1.58E-03	9.72E-04
2436	566790.16	4217026.4	1.10E-02	9.75E-03	1.58E-03	9.73E-04
2437	566786.27	4216986.44	1.18E-02	1.04E-02	1.69E-03	1.04E-03
2438	566790.11	4216969.46	1.22E-02	1.08E-02	1.75E-03	1.08E-03

2439	566797.78	4216935.49	1.28E-02	1.13E-02	1.83E-03	1.13E-03
2440	566801.62	4216918.51	1.28E-02	1.13E-02	1.84E-03	1.13E-03
2441	566805.46	4216901.53	1.27E-02	1.12E-02	1.82E-03	1.12E-03
2442	566809.29	4216884.55	1.24E-02	1.10E-02	1.78E-03	1.10E-03
2443	566894.35	4217164.09	5.81E-03	5.14E-03	8.33E-04	5.13E-04
2444	566909.14	4217173.75	5.26E-03	4.65E-03	7.54E-04	4.64E-04
2445	566852.29	4217136.32	7.24E-03	6.41E-03	1.04E-03	6.39E-04
2446	566842.69	4217121.9	8.01E-03	7.08E-03	1.15E-03	7.07E-04
2447	566833.09	4217107.48	8.71E-03	7.71E-03	1.25E-03	7.69E-04
2448	566794.69	4217049.78	1.04E-02	9.19E-03	1.49E-03	9.17E-04
2449	566785.08	4217035.36	1.05E-02	9.25E-03	1.50E-03	9.23E-04
2450	566772.59	4217005.27	1.06E-02	9.40E-03	1.52E-03	9.38E-04
2451	566776.41	4216988.37	1.11E-02	9.86E-03	1.60E-03	9.83E-04
2452	566780.23	4216971.47	1.16E-02	1.02E-02	1.66E-03	1.02E-03
2453	566787.87	4216937.67	1.21E-02	1.07E-02	1.73E-03	1.07E-03
2454	566791.69	4216920.77	1.22E-02	1.08E-02	1.74E-03	1.07E-03
2455	566795.5	4216903.87	1.21E-02	1.07E-02	1.73E-03	1.07E-03
2456	566799.32	4216886.97	1.19E-02	1.05E-02	1.70E-03	1.05E-03
2457	566803.14	4216870.07	1.15E-02	1.02E-02	1.65E-03	1.02E-03
2458	566874.08	4217162.79	5.84E-03	5.17E-03	8.38E-04	5.16E-04
2459	566888.88	4217172.46	5.34E-03	4.73E-03	7.66E-04	4.72E-04
2460	566903.67	4217182.12	4.84E-03	4.28E-03	6.94E-04	4.27E-04
2461	566846.88	4217144.79	6.68E-03	5.91E-03	9.57E-04	5.90E-04
2462	566837.32	4217130.43	7.39E-03	6.54E-03	1.06E-03	6.53E-04
2463	566827.76	4217116.07	8.07E-03	7.14E-03	1.16E-03	7.13E-04
2464	566818.2	4217101.7	8.66E-03	7.67E-03	1.24E-03	7.65E-04
2465	566808.64	4217087.34	9.16E-03	8.10E-03	1.31E-03	8.09E-04
2466	566762.75	4217007.13	1.01E-02	8.91E-03	1.44E-03	8.90E-04
2467	566766.55	4216990.3	1.06E-02	9.34E-03	1.51E-03	9.32E-04
2468	566770.36	4216973.47	1.10E-02	9.70E-03	1.57E-03	9.68E-04
2469	566774.16	4216956.64	1.13E-02	9.97E-03	1.62E-03	9.95E-04
2470	566781.76	4216922.99	1.16E-02	1.02E-02	1.66E-03	1.02E-03
2471	566785.56	4216906.16	1.15E-02	1.02E-02	1.65E-03	1.02E-03
2472	566789.36	4216889.34	1.14E-02	1.00E-02	1.63E-03	1.00E-03
2473	566793.17	4216872.51	1.11E-02	9.80E-03	1.59E-03	9.78E-04
2474	566868.61	4217171.16	5.39E-03	4.77E-03	7.73E-04	4.76E-04
2475	566898.2	4217190.49	4.47E-03	3.96E-03	6.42E-04	3.95E-04
2476	566831.94	4217138.94	6.84E-03	6.05E-03	9.81E-04	6.04E-04
2477	566822.42	4217124.64	7.48E-03	6.62E-03	1.07E-03	6.60E-04
2478	566812.9	4217110.33	8.06E-03	7.13E-03	1.16E-03	7.12E-04
2479	566803.38	4217096.03	8.55E-03	7.56E-03	1.23E-03	7.55E-04
2480	566793.86	4217081.72	8.94E-03	7.91E-03	1.28E-03	7.89E-04
2481	566784.34	4217067.42	9.21E-03	8.15E-03	1.32E-03	8.14E-04
2482	566752.91	4217008.97	9.57E-03	8.47E-03	1.37E-03	8.45E-04
2483	566756.7	4216992.21	1.00E-02	8.86E-03	1.44E-03	8.85E-04
2484	566760.48	4216975.45	1.04E-02	9.20E-03	1.49E-03	9.18E-04
2485	566764.27	4216958.69	1.07E-02	9.46E-03	1.53E-03	9.44E-04
2486	566771.84	4216925.17	1.10E-02	9.73E-03	1.58E-03	9.71E-04
2487	566775.63	4216908.41	1.10E-02	9.72E-03	1.58E-03	9.70E-04
2488	566779.42	4216891.65	1.09E-02	9.61E-03	1.56E-03	9.59E-04
2489	566783.2	4216874.89	1.06E-02	9.41E-03	1.52E-03	9.39E-04
2490	566786.99	4216858.13	1.03E-02	9.11E-03	1.48E-03	9.10E-04

2491	566863.14	4217179.53	4.99E-03	4.41E-03	7.15E-04	4.40E-04
2492	566892.73	4217198.87	4.15E-03	3.67E-03	5.95E-04	3.66E-04
2493	566826.56	4217147.44	6.34E-03	5.61E-03	9.09E-04	5.60E-04
2494	566817.07	4217133.19	6.94E-03	6.14E-03	9.95E-04	6.13E-04
2495	566807.59	4217118.94	7.50E-03	6.64E-03	1.08E-03	6.62E-04
2496	566798.1	4217104.68	7.98E-03	7.07E-03	1.14E-03	7.05E-04
2497	566788.61	4217090.43	8.38E-03	7.42E-03	1.20E-03	7.40E-04
2498	566779.13	4217076.18	8.68E-03	7.68E-03	1.24E-03	7.66E-04
2499	566769.64	4217061.93	8.87E-03	7.85E-03	1.27E-03	7.83E-04
2500	566743.07	4217010.82	9.11E-03	8.06E-03	1.31E-03	8.04E-04
2501	566746.84	4216994.12	9.52E-03	8.43E-03	1.37E-03	8.41E-04
2502	566750.62	4216977.42	9.88E-03	8.74E-03	1.42E-03	8.72E-04
2503	566754.39	4216960.72	1.02E-02	8.99E-03	1.46E-03	8.97E-04
2504	566758.16	4216944.02	1.04E-02	9.17E-03	1.49E-03	9.15E-04
2505	566765.71	4216910.62	1.05E-02	9.28E-03	1.50E-03	9.26E-04
2506	566769.48	4216893.92	1.04E-02	9.20E-03	1.49E-03	9.18E-04
2507	566773.25	4216877.22	1.02E-02	9.03E-03	1.46E-03	9.01E-04
2508	566777.03	4216860.52	9.93E-03	8.78E-03	1.42E-03	8.77E-04
2509	566857.67	4217187.9	4.63E-03	4.09E-03	6.63E-04	4.09E-04
2510	566872.47	4217197.57	4.24E-03	3.75E-03	6.07E-04	3.74E-04
2511	566887.26	4217207.24	3.85E-03	3.41E-03	5.52E-04	3.40E-04
2512	566821.17	4217155.93	5.89E-03	5.21E-03	8.44E-04	5.20E-04
2513	566811.71	4217141.73	6.45E-03	5.71E-03	9.25E-04	5.70E-04
2514	566802.26	4217127.52	6.98E-03	6.18E-03	1.00E-03	6.17E-04
2515	566792.8	4217113.32	7.46E-03	6.60E-03	1.07E-03	6.59E-04
2516	566783.35	4217099.11	7.86E-03	6.96E-03	1.13E-03	6.94E-04
2517	566773.9	4217084.91	8.17E-03	7.23E-03	1.17E-03	7.21E-04
2518	566764.44	4217070.7	8.39E-03	7.42E-03	1.20E-03	7.41E-04
2519	566745.53	4217042.29	8.56E-03	7.57E-03	1.23E-03	7.55E-04
2520	566736.99	4216996.02	9.07E-03	8.02E-03	1.30E-03	8.01E-04
2521	566740.75	4216979.37	9.40E-03	8.32E-03	1.35E-03	8.30E-04
2522	566744.51	4216962.73	9.67E-03	8.56E-03	1.39E-03	8.54E-04
2523	566748.27	4216946.09	9.87E-03	8.73E-03	1.42E-03	8.72E-04
2524	566755.79	4216912.8	1.00E-02	8.86E-03	1.44E-03	8.84E-04
2525	566759.55	4216896.15	9.95E-03	8.81E-03	1.43E-03	8.79E-04
2526	566763.31	4216879.51	9.80E-03	8.67E-03	1.41E-03	8.66E-04
2527	566767.07	4216862.87	9.57E-03	8.46E-03	1.37E-03	8.45E-04
2528	566770.83	4216846.22	9.25E-03	8.19E-03	1.33E-03	8.17E-04
2529	566852.2	4217196.28	4.30E-03	3.81E-03	6.17E-04	3.80E-04
2530	566867	4217205.94	3.94E-03	3.49E-03	5.65E-04	3.48E-04
2531	566815.77	4217164.41	5.48E-03	4.85E-03	7.86E-04	4.84E-04
2532	566806.35	4217150.25	6.01E-03	5.31E-03	8.61E-04	5.30E-04
2533	566796.92	4217136.09	6.51E-03	5.76E-03	9.34E-04	5.75E-04
2534	566787.49	4217121.93	6.98E-03	6.17E-03	1.00E-03	6.16E-04
2535	566778.07	4217107.77	7.37E-03	6.53E-03	1.06E-03	6.51E-04
2536	566768.64	4217093.61	7.69E-03	6.81E-03	1.10E-03	6.79E-04
2537	566759.22	4217079.44	7.93E-03	7.02E-03	1.14E-03	7.00E-04
2538	566740.37	4217051.12	8.16E-03	7.22E-03	1.17E-03	7.20E-04
2539	566730.94	4217036.96	8.16E-03	7.22E-03	1.17E-03	7.20E-04
2540	566727.14	4216997.91	8.64E-03	7.65E-03	1.24E-03	7.63E-04
2541	566730.89	4216981.32	8.96E-03	7.93E-03	1.28E-03	7.91E-04
2542	566734.64	4216964.72	9.22E-03	8.16E-03	1.32E-03	8.14E-04

2543	566738.39	4216948.13	9.41E-03	8.33E-03	1.35E-03	8.31E-04
2544	566742.13	4216931.54	9.53E-03	8.44E-03	1.37E-03	8.42E-04
2545	566749.63	4216898.35	9.54E-03	8.44E-03	1.37E-03	8.42E-04
2546	566753.38	4216881.76	9.42E-03	8.33E-03	1.35E-03	8.31E-04
2547	566757.13	4216865.17	9.22E-03	8.16E-03	1.32E-03	8.14E-04
2548	566760.88	4216848.57	8.95E-03	7.92E-03	1.28E-03	7.90E-04
2549	566846.73	4217204.65	4.01E-03	3.55E-03	5.75E-04	3.54E-04
2550	566861.53	4217214.31	3.67E-03	3.25E-03	5.27E-04	3.24E-04
2551	566809.43	4217171.47	5.16E-03	4.56E-03	7.40E-04	4.55E-04
2552	566799.65	4217156.78	5.67E-03	5.02E-03	8.13E-04	5.01E-04
2553	566789.88	4217142.1	6.16E-03	5.45E-03	8.84E-04	5.44E-04
2554	566780.1	4217127.41	6.62E-03	5.86E-03	9.49E-04	5.84E-04
2555	566765.44	4217105.39	7.18E-03	6.36E-03	1.03E-03	6.34E-04
2556	566755.67	4217090.7	7.46E-03	6.60E-03	1.07E-03	6.59E-04
2557	566736.12	4217061.33	7.77E-03	6.87E-03	1.11E-03	6.86E-04
2558	566726.34	4217046.64	7.80E-03	6.90E-03	1.12E-03	6.89E-04
2559	566716.57	4217031.96	7.77E-03	6.88E-03	1.11E-03	6.86E-04
2560	566713.63	4217016.01	7.92E-03	7.01E-03	1.14E-03	6.99E-04
2561	566719.46	4216990.2	8.43E-03	7.46E-03	1.21E-03	7.44E-04
2562	566723.34	4216972.99	8.71E-03	7.70E-03	1.25E-03	7.69E-04
2563	566727.23	4216955.79	8.93E-03	7.90E-03	1.28E-03	7.88E-04
2564	566729.18	4216947.18	9.01E-03	7.97E-03	1.29E-03	7.96E-04
2565	566733.06	4216929.97	9.13E-03	8.08E-03	1.31E-03	8.06E-04
2566	566738.9	4216904.16	9.15E-03	8.10E-03	1.31E-03	8.08E-04
2567	566742.78	4216886.96	9.07E-03	8.03E-03	1.30E-03	8.01E-04
2568	566746.67	4216869.75	8.91E-03	7.88E-03	1.28E-03	7.87E-04
2569	566750.56	4216852.54	8.68E-03	7.68E-03	1.24E-03	7.66E-04
2570	566754.45	4216835.33	8.37E-03	7.41E-03	1.20E-03	7.39E-04
2571	566841.26	4217213.02	3.74E-03	3.31E-03	5.36E-04	3.30E-04
2572	566856.06	4217222.68	3.43E-03	3.04E-03	4.92E-04	3.03E-04
2573	566870.85	4217232.35	3.13E-03	2.77E-03	4.50E-04	2.77E-04
2574	566823.53	4217209.24	3.86E-03	3.42E-03	5.54E-04	3.41E-04
2575	566784.59	4217150.74	5.76E-03	5.10E-03	8.26E-04	5.09E-04
2576	566774.86	4217136.12	6.20E-03	5.48E-03	8.89E-04	5.47E-04
2577	566765.12	4217121.49	6.59E-03	5.83E-03	9.45E-04	5.82E-04
2578	566755.39	4217106.87	6.91E-03	6.11E-03	9.91E-04	6.10E-04
2579	566745.65	4217092.24	7.16E-03	6.34E-03	1.03E-03	6.32E-04
2580	566726.18	4217062.99	7.43E-03	6.58E-03	1.07E-03	6.56E-04
2581	566716.45	4217048.37	7.47E-03	6.61E-03	1.07E-03	6.59E-04
2582	566706.71	4217033.74	7.43E-03	6.58E-03	1.07E-03	6.56E-04
2583	566703.78	4217017.86	7.57E-03	6.70E-03	1.09E-03	6.69E-04
2584	566711.53	4216983.59	8.19E-03	7.25E-03	1.17E-03	7.23E-04
2585	566715.4	4216966.45	8.43E-03	7.46E-03	1.21E-03	7.44E-04
2586	566719.27	4216949.32	8.61E-03	7.62E-03	1.23E-03	7.60E-04
2587	566721.21	4216940.75	8.68E-03	7.68E-03	1.24E-03	7.66E-04
2588	566725.08	4216923.61	8.76E-03	7.75E-03	1.26E-03	7.74E-04
2589	566732.82	4216889.34	8.72E-03	7.71E-03	1.25E-03	7.70E-04
2590	566736.69	4216872.2	8.59E-03	7.60E-03	1.23E-03	7.58E-04
2591	566740.57	4216855.06	8.39E-03	7.42E-03	1.20E-03	7.41E-04
2592	566835.79	4217221.39	3.50E-03	3.09E-03	5.01E-04	3.09E-04
2593	566850.59	4217231.06	3.21E-03	2.84E-03	4.60E-04	2.83E-04
2594	566865.38	4217240.72	2.94E-03	2.60E-03	4.21E-04	2.59E-04

2595	566818.08	4217217.64	3.61E-03	3.20E-03	5.18E-04	3.19E-04
2596	566798.68	4217188.5	4.49E-03	3.98E-03	6.44E-04	3.97E-04
2597	566769.59	4217144.8	5.81E-03	5.14E-03	8.33E-04	5.13E-04
2598	566759.89	4217130.23	6.19E-03	5.48E-03	8.87E-04	5.46E-04
2599	566750.2	4217115.66	6.52E-03	5.77E-03	9.34E-04	5.75E-04
2600	566740.5	4217101.09	6.77E-03	5.99E-03	9.71E-04	5.98E-04
2601	566721.11	4217071.95	7.09E-03	6.27E-03	1.02E-03	6.26E-04
2602	566711.41	4217057.38	7.14E-03	6.32E-03	1.02E-03	6.31E-04
2603	566701.71	4217042.81	7.14E-03	6.32E-03	1.02E-03	6.31E-04
2604	566693.94	4217019.71	7.25E-03	6.42E-03	1.04E-03	6.40E-04
2605	566697.8	4217002.64	7.56E-03	6.69E-03	1.08E-03	6.68E-04
2606	566701.66	4216985.57	7.83E-03	6.93E-03	1.12E-03	6.91E-04
2607	566705.51	4216968.5	8.06E-03	7.13E-03	1.16E-03	7.12E-04
2608	566709.37	4216951.43	8.24E-03	7.29E-03	1.18E-03	7.27E-04
2609	566713.23	4216934.36	8.36E-03	7.40E-03	1.20E-03	7.38E-04
2610	566717.08	4216917.28	8.42E-03	7.45E-03	1.21E-03	7.43E-04
2611	566722.87	4216891.68	8.38E-03	7.42E-03	1.20E-03	7.40E-04
2612	566726.73	4216874.61	8.28E-03	7.32E-03	1.19E-03	7.31E-04
2613	566830.32	4217229.76	3.28E-03	2.90E-03	4.70E-04	2.89E-04
2614	566845.12	4217239.43	3.01E-03	2.66E-03	4.31E-04	2.66E-04
2615	566859.91	4217249.09	2.76E-03	2.44E-03	3.96E-04	2.44E-04
2616	566812.62	4217226.04	3.39E-03	3.00E-03	4.86E-04	2.99E-04
2617	566793.3	4217197.01	4.20E-03	3.72E-03	6.03E-04	3.71E-04
2618	566783.64	4217182.49	4.63E-03	4.10E-03	6.64E-04	4.09E-04
2619	566773.97	4217167.97	5.05E-03	4.47E-03	7.24E-04	4.46E-04
2620	566744.99	4217124.42	6.14E-03	5.43E-03	8.81E-04	5.42E-04
2621	566735.32	4217109.9	6.41E-03	5.67E-03	9.19E-04	5.66E-04
2622	566716	4217080.87	6.75E-03	5.97E-03	9.68E-04	5.96E-04
2623	566706.34	4217066.35	6.83E-03	6.05E-03	9.80E-04	6.03E-04
2624	566696.67	4217051.84	6.86E-03	6.07E-03	9.83E-04	6.05E-04
2625	566687.01	4217037.32	6.83E-03	6.04E-03	9.79E-04	6.03E-04
2626	566684.1	4217021.56	6.95E-03	6.15E-03	9.96E-04	6.13E-04
2627	566687.94	4217004.55	7.24E-03	6.40E-03	1.04E-03	6.39E-04
2628	566695.63	4216970.53	7.71E-03	6.83E-03	1.11E-03	6.81E-04
2629	566699.47	4216953.52	7.89E-03	6.98E-03	1.13E-03	6.96E-04
2630	566703.32	4216936.51	8.01E-03	7.09E-03	1.15E-03	7.07E-04
2631	566707.16	4216919.5	8.08E-03	7.15E-03	1.16E-03	7.13E-04
2632	566730.22	4216817.44	7.25E-03	6.42E-03	1.04E-03	6.40E-04
2633	566824.85	4217238.13	3.07E-03	2.72E-03	4.41E-04	2.72E-04
2634	566839.65	4217247.8	2.83E-03	2.50E-03	4.05E-04	2.50E-04
2635	566854.44	4217257.46	2.60E-03	2.30E-03	3.72E-04	2.29E-04
2636	567028.78	4217030.96	5.95E-02	5.27E-02	8.54E-03	5.26E-03
2637	567018.45	4217028.67	5.47E-02	4.84E-02	7.84E-03	4.83E-03
2638	567040.63	4217040.44	5.56E-02	4.92E-02	7.98E-03	4.91E-03
2639	567029.22	4217040.64	4.82E-02	4.26E-02	6.91E-03	4.25E-03
2640	567017.41	4217038.02	4.49E-02	3.98E-02	6.44E-03	3.97E-03
2641	567055.69	4217042.82	6.43E-02	5.69E-02	9.22E-03	5.68E-03
2642	567045.39	4217048.5	4.75E-02	4.21E-02	6.82E-03	4.20E-03
2643	567034.69	4217051.43	3.97E-02	3.52E-02	5.70E-03	3.51E-03
2644	567023.2	4217048.89	3.81E-02	3.37E-02	5.46E-03	3.36E-03
2645	567011.72	4217046.34	3.65E-02	3.23E-02	5.23E-03	3.22E-03
2646	567063.55	4217049.18	5.78E-02	5.11E-02	8.29E-03	5.10E-03

2647	567053.43	4217054.75	4.32E-02	3.82E-02	6.20E-03	3.82E-03
2648	567043.31	4217060.32	3.43E-02	3.03E-02	4.92E-03	3.03E-03
2649	567081.31	4217050.08	7.40E-02	6.54E-02	1.06E-02	6.53E-03
2650	567071.33	4217055.58	5.14E-02	4.54E-02	7.36E-03	4.53E-03
2651	567061.34	4217061.08	3.87E-02	3.43E-02	5.56E-03	3.42E-03
2652	567088.71	4217056.68	6.34E-02	5.61E-02	9.09E-03	5.60E-03
2653	567078.11	4217062.52	4.40E-02	3.90E-02	6.31E-03	3.89E-03
2654	567067.51	4217068.36	3.30E-02	2.92E-02	4.73E-03	2.91E-03
2655	567046.31	4217080.03	2.18E-02	1.93E-02	3.12E-03	1.92E-03
2656	567030.97	4217079.36	2.10E-02	1.86E-02	3.01E-03	1.85E-03
2657	567019.15	4217076.74	2.13E-02	1.88E-02	3.05E-03	1.88E-03
2658	566995.52	4217071.51	2.15E-02	1.90E-02	3.08E-03	1.90E-03
2659	567096.37	4217063.15	5.40E-02	4.78E-02	7.74E-03	4.77E-03
2660	567085.94	4217068.89	3.87E-02	3.42E-02	5.54E-03	3.41E-03
2661	567054.64	4217086.13	1.95E-02	1.72E-02	2.79E-03	1.72E-03
2662	567040.33	4217091.02	1.69E-02	1.50E-02	2.42E-03	1.49E-03
2663	567028.7	4217088.44	1.74E-02	1.54E-02	2.49E-03	1.54E-03
2664	567017.07	4217085.86	1.78E-02	1.58E-02	2.56E-03	1.57E-03
2665	567104.02	4217069.62	4.57E-02	4.04E-02	6.55E-03	4.03E-03
2666	567093.72	4217075.29	3.36E-02	2.98E-02	4.82E-03	2.97E-03
2667	567073.11	4217086.64	2.08E-02	1.84E-02	2.98E-03	1.83E-03
2668	567062.8	4217092.32	1.74E-02	1.54E-02	2.49E-03	1.53E-03
2669	567052.49	4217097.99	1.50E-02	1.33E-02	2.15E-03	1.32E-03
2670	567041.8	4217100.93	1.39E-02	1.23E-02	2.00E-03	1.23E-03
2671	567030.31	4217098.38	1.44E-02	1.28E-02	2.07E-03	1.27E-03
2672	567018.82	4217095.84	1.49E-02	1.32E-02	2.14E-03	1.32E-03
2673	567007.34	4217093.29	1.54E-02	1.36E-02	2.20E-03	1.36E-03
2674	566984.37	4217088.2	1.60E-02	1.41E-02	2.29E-03	1.41E-03
2675	567070.85	4217098.56	1.55E-02	1.37E-02	2.22E-03	1.37E-03
2676	567060.65	4217104.18	1.34E-02	1.18E-02	1.92E-03	1.18E-03
2677	567050.45	4217109.8	1.19E-02	1.05E-02	1.70E-03	1.05E-03
2678	567039.46	4217109.99	1.17E-02	1.04E-02	1.68E-03	1.04E-03
2679	567028.09	4217107.47	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2680	567016.72	4217104.95	1.27E-02	1.13E-02	1.82E-03	1.12E-03
2681	567005.35	4217102.43	1.32E-02	1.17E-02	1.89E-03	1.16E-03
2682	567119.13	4217082.66	3.35E-02	2.97E-02	4.81E-03	2.96E-03
2683	567097.93	4217094.33	1.98E-02	1.75E-02	2.84E-03	1.75E-03
2684	567055.53	4217117.68	1.03E-02	9.13E-03	1.48E-03	9.11E-04
2685	567044.53	4217120.7	9.76E-03	8.63E-03	1.40E-03	8.62E-04
2686	567032.71	4217118.08	1.02E-02	9.04E-03	1.46E-03	9.02E-04
2687	567020.9	4217115.46	1.07E-02	9.45E-03	1.53E-03	9.43E-04
2688	567009.09	4217112.84	1.12E-02	9.87E-03	1.60E-03	9.85E-04
2689	566997.27	4217110.23	1.16E-02	1.03E-02	1.66E-03	1.02E-03
2690	566973.64	4217104.99	1.23E-02	1.09E-02	1.76E-03	1.08E-03
2691	567095.32	4217106.45	1.45E-02	1.29E-02	2.08E-03	1.28E-03
2692	567084.84	4217112.23	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2693	567042.1	4217129.74	8.43E-03	7.46E-03	1.21E-03	7.44E-04
2694	567030.41	4217127.15	8.83E-03	7.81E-03	1.27E-03	7.80E-04
2695	567018.73	4217124.56	9.25E-03	8.19E-03	1.33E-03	8.17E-04
2696	567007.04	4217121.97	9.68E-03	8.57E-03	1.39E-03	8.55E-04
2697	566995.36	4217119.38	1.01E-02	8.93E-03	1.45E-03	8.91E-04
2698	566983.67	4217116.8	1.05E-02	9.25E-03	1.50E-03	9.23E-04

2699	567117.1	4217105.14	1.78E-02	1.57E-02	2.55E-03	1.57E-03
2700	567096.32	4217116.58	1.18E-02	1.05E-02	1.69E-03	1.04E-03
2701	567085.94	4217122.3	1.01E-02	8.93E-03	1.45E-03	8.91E-04
2702	567075.55	4217128.02	8.86E-03	7.84E-03	1.27E-03	7.82E-04
2703	567065.16	4217133.74	7.95E-03	7.03E-03	1.14E-03	7.02E-04
2704	567043.59	4217139.66	7.26E-03	6.42E-03	1.04E-03	6.41E-04
2705	567032.01	4217137.09	7.59E-03	6.72E-03	1.09E-03	6.70E-04
2706	567020.44	4217134.53	7.96E-03	7.04E-03	1.14E-03	7.03E-04
2707	567008.86	4217131.96	8.34E-03	7.38E-03	1.20E-03	7.36E-04
2708	566997.28	4217129.39	8.72E-03	7.71E-03	1.25E-03	7.70E-04
2709	566985.7	4217126.83	9.07E-03	8.02E-03	1.30E-03	8.01E-04
2710	566962.55	4217121.7	9.67E-03	8.56E-03	1.39E-03	8.54E-04
2711	567124.87	4217111.54	1.65E-02	1.46E-02	2.37E-03	1.46E-03
2712	567114.56	4217117.22	1.33E-02	1.17E-02	1.90E-03	1.17E-03
2713	567093.95	4217128.57	9.34E-03	8.26E-03	1.34E-03	8.24E-04
2714	567083.65	4217134.24	8.17E-03	7.23E-03	1.17E-03	7.21E-04
2715	567073.34	4217139.92	7.31E-03	6.47E-03	1.05E-03	6.46E-04
2716	567063.04	4217145.59	6.66E-03	5.90E-03	9.55E-04	5.88E-04
2717	567037.42	4217147.87	6.50E-03	5.75E-03	9.32E-04	5.74E-04
2718	567025.93	4217145.33	6.80E-03	6.02E-03	9.75E-04	6.00E-04
2719	567014.44	4217142.78	7.12E-03	6.30E-03	1.02E-03	6.29E-04
2720	567002.96	4217140.24	7.46E-03	6.60E-03	1.07E-03	6.58E-04
2721	566991.47	4217137.69	7.79E-03	6.89E-03	1.12E-03	6.88E-04
2722	566979.99	4217135.15	8.10E-03	7.16E-03	1.16E-03	7.15E-04
2723	566957.01	4217130.06	8.65E-03	7.65E-03	1.24E-03	7.64E-04
2724	567121.29	4217124.2	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2725	567100.09	4217135.87	8.51E-03	7.53E-03	1.22E-03	7.51E-04
2726	567089.49	4217141.71	7.41E-03	6.56E-03	1.06E-03	6.55E-04
2727	567078.89	4217147.55	6.62E-03	5.86E-03	9.49E-04	5.84E-04
2728	567068.29	4217153.38	6.03E-03	5.33E-03	8.64E-04	5.32E-04
2729	567057.69	4217159.22	5.57E-03	4.93E-03	7.99E-04	4.92E-04
2730	567034.46	4217156.8	5.80E-03	5.13E-03	8.32E-04	5.12E-04
2731	567022.65	4217154.18	6.07E-03	5.37E-03	8.70E-04	5.36E-04
2732	567010.83	4217151.57	6.36E-03	5.62E-03	9.11E-04	5.61E-04
2733	566999.02	4217148.95	6.66E-03	5.89E-03	9.55E-04	5.88E-04
2734	566987.21	4217146.33	6.96E-03	6.16E-03	9.98E-04	6.14E-04
2735	566975.39	4217143.71	7.24E-03	6.41E-03	1.04E-03	6.40E-04
2736	566951.76	4217138.48	7.77E-03	6.88E-03	1.11E-03	6.86E-04
2737	567118.64	4217136.33	9.51E-03	8.42E-03	1.36E-03	8.40E-04
2738	567097.62	4217147.91	6.98E-03	6.18E-03	1.00E-03	6.16E-04
2739	567087.11	4217153.7	6.21E-03	5.49E-03	8.90E-04	5.48E-04
2740	567076.6	4217159.49	5.64E-03	4.99E-03	8.08E-04	4.98E-04
2741	567066.09	4217165.28	5.20E-03	4.60E-03	7.45E-04	4.59E-04
2742	567051.67	4217170.2	4.90E-03	4.33E-03	7.02E-04	4.32E-04
2743	567028.24	4217165.01	5.28E-03	4.67E-03	7.57E-04	4.66E-04
2744	567016.52	4217162.41	5.51E-03	4.88E-03	7.90E-04	4.87E-04
2745	567004.81	4217159.81	5.76E-03	5.10E-03	8.26E-04	5.09E-04
2746	566993.09	4217157.22	6.02E-03	5.33E-03	8.64E-04	5.32E-04
2747	566981.37	4217154.62	6.29E-03	5.56E-03	9.01E-04	5.55E-04
2748	566969.66	4217152.02	6.54E-03	5.79E-03	9.38E-04	5.78E-04
2749	566946.23	4217146.83	7.02E-03	6.22E-03	1.01E-03	6.20E-04
2750	567102.21	4217156.06	6.34E-03	5.61E-03	9.09E-04	5.60E-04

2751	567091.78	4217161.81	5.66E-03	5.01E-03	8.12E-04	5.00E-04
2752	567081.34	4217167.56	5.15E-03	4.56E-03	7.39E-04	4.55E-04
2753	567070.91	4217173.3	4.76E-03	4.21E-03	6.82E-04	4.20E-04
2754	567060.47	4217179.05	4.45E-03	3.93E-03	6.37E-04	3.93E-04
2755	567049.24	4217179.24	4.44E-03	3.93E-03	6.36E-04	3.92E-04
2756	567025.98	4217174.09	4.77E-03	4.22E-03	6.84E-04	4.21E-04
2757	567014.35	4217171.51	4.96E-03	4.39E-03	7.12E-04	4.38E-04
2758	567002.72	4217168.94	5.17E-03	4.58E-03	7.42E-04	4.57E-04
2759	566991.09	4217166.36	5.40E-03	4.78E-03	7.74E-04	4.77E-04
2760	566979.47	4217163.78	5.63E-03	4.98E-03	8.08E-04	4.97E-04
2761	566967.84	4217161.2	5.86E-03	5.19E-03	8.41E-04	5.18E-04
2762	566944.58	4217156.05	6.31E-03	5.59E-03	9.05E-04	5.57E-04
2763	567099.88	4217168.03	5.37E-03	4.75E-03	7.70E-04	4.74E-04
2764	567089.52	4217173.74	4.87E-03	4.31E-03	6.99E-04	4.30E-04
2765	567079.15	4217179.44	4.49E-03	3.97E-03	6.44E-04	3.97E-04
2766	567068.78	4217185.15	4.19E-03	3.70E-03	6.00E-04	3.70E-04
2767	567054.57	4217190.01	3.97E-03	3.52E-03	5.70E-04	3.51E-04
2768	567043.01	4217187.45	4.09E-03	3.62E-03	5.86E-04	3.61E-04
2769	567019.91	4217182.33	4.38E-03	3.88E-03	6.29E-04	3.87E-04
2770	567008.35	4217179.77	4.55E-03	4.03E-03	6.53E-04	4.02E-04
2771	566996.8	4217177.21	4.74E-03	4.19E-03	6.79E-04	4.18E-04
2772	566985.24	4217174.65	4.93E-03	4.37E-03	7.08E-04	4.36E-04
2773	566973.69	4217172.08	5.14E-03	4.55E-03	7.37E-04	4.54E-04
2774	566939.03	4217164.4	5.76E-03	5.10E-03	8.26E-04	5.08E-04
2775	567098.71	4217179.36	4.68E-03	4.14E-03	6.71E-04	4.13E-04
2776	567088.11	4217185.19	4.28E-03	3.79E-03	6.14E-04	3.78E-04
2777	567077.51	4217191.03	3.97E-03	3.52E-03	5.70E-04	3.51E-04
2778	567066.91	4217196.87	3.73E-03	3.30E-03	5.34E-04	3.29E-04
2779	567055.9	4217199.89	3.62E-03	3.20E-03	5.18E-04	3.19E-04
2780	567044.09	4217197.27	3.71E-03	3.29E-03	5.33E-04	3.28E-04
2781	567020.46	4217192.03	3.97E-03	3.51E-03	5.69E-04	3.50E-04
2782	567008.64	4217189.41	4.11E-03	3.64E-03	5.90E-04	3.63E-04
2783	566996.83	4217186.8	4.27E-03	3.78E-03	6.13E-04	3.77E-04
2784	566985.02	4217184.18	4.45E-03	3.94E-03	6.38E-04	3.93E-04
2785	566973.2	4217181.56	4.63E-03	4.10E-03	6.65E-04	4.09E-04
2786	566937.76	4217173.71	5.21E-03	4.61E-03	7.47E-04	4.60E-04
2787	566925.94	4217171.09	5.38E-03	4.76E-03	7.72E-04	4.75E-04
2788	567096.35	4217191.33	4.08E-03	3.61E-03	5.85E-04	3.60E-04
2789	567085.83	4217197.13	3.78E-03	3.34E-03	5.42E-04	3.34E-04
2790	567075.3	4217202.93	3.54E-03	3.13E-03	5.07E-04	3.12E-04
2791	567064.77	4217208.73	3.34E-03	2.96E-03	4.79E-04	2.95E-04
2792	567053.44	4217208.92	3.33E-03	2.95E-03	4.78E-04	2.94E-04
2793	567041.7	4217206.32	3.42E-03	3.03E-03	4.91E-04	3.02E-04
2794	567018.23	4217201.12	3.64E-03	3.22E-03	5.22E-04	3.21E-04
2795	567006.5	4217198.52	3.77E-03	3.33E-03	5.40E-04	3.33E-04
2796	566994.77	4217195.92	3.90E-03	3.45E-03	5.60E-04	3.45E-04
2797	566983.03	4217193.32	4.06E-03	3.59E-03	5.82E-04	3.58E-04
2798	566971.3	4217190.72	4.22E-03	3.73E-03	6.05E-04	3.72E-04
2799	566947.83	4217185.52	4.55E-03	4.03E-03	6.53E-04	4.02E-04
2800	566936.09	4217182.92	4.72E-03	4.18E-03	6.78E-04	4.17E-04
2801	566924.36	4217180.32	4.89E-03	4.33E-03	7.01E-04	4.32E-04
2802	567101.05	4217199.43	3.80E-03	3.36E-03	5.45E-04	3.35E-04

2803	567090.59	4217205.19	3.52E-03	3.12E-03	5.05E-04	3.11E-04
2804	567080.12	4217210.95	3.30E-03	2.92E-03	4.73E-04	2.92E-04
2805	567069.66	4217216.71	3.12E-03	2.76E-03	4.48E-04	2.76E-04
2806	567058.79	4217219.69	3.04E-03	2.69E-03	4.36E-04	2.69E-04
2807	567047.13	4217217.11	3.11E-03	2.75E-03	4.46E-04	2.75E-04
2808	567023.81	4217211.94	3.29E-03	2.91E-03	4.71E-04	2.90E-04
2809	567012.14	4217209.36	3.39E-03	3.00E-03	4.86E-04	2.99E-04
2810	567000.48	4217206.77	3.50E-03	3.10E-03	5.02E-04	3.09E-04
2811	566988.82	4217204.19	3.62E-03	3.21E-03	5.20E-04	3.20E-04
2812	566977.16	4217201.6	3.76E-03	3.33E-03	5.39E-04	3.32E-04
2813	566965.49	4217199.02	3.90E-03	3.45E-03	5.60E-04	3.45E-04
2814	566942.17	4217193.85	4.20E-03	3.72E-03	6.02E-04	3.71E-04
2815	566930.5	4217191.26	4.35E-03	3.85E-03	6.24E-04	3.84E-04
2816	566918.84	4217188.68	4.50E-03	3.99E-03	6.46E-04	3.98E-04
2817	567098.79	4217211.35	3.37E-03	2.98E-03	4.84E-04	2.98E-04
2818	567088.38	4217217.08	3.15E-03	2.79E-03	4.52E-04	2.79E-04
2819	567077.98	4217222.81	2.98E-03	2.64E-03	4.27E-04	2.63E-04
2820	567067.57	4217228.54	2.83E-03	2.51E-03	4.06E-04	2.50E-04
2821	567056.37	4217228.74	2.83E-03	2.50E-03	4.06E-04	2.50E-04
2822	567044.77	4217226.17	2.89E-03	2.56E-03	4.15E-04	2.55E-04
2823	567021.58	4217221.03	3.04E-03	2.69E-03	4.36E-04	2.69E-04
2824	567009.98	4217218.46	3.13E-03	2.77E-03	4.49E-04	2.77E-04
2825	566998.38	4217215.89	3.23E-03	2.86E-03	4.63E-04	2.85E-04
2826	566986.78	4217213.32	3.34E-03	2.95E-03	4.79E-04	2.95E-04
2827	566975.18	4217210.75	3.46E-03	3.06E-03	4.95E-04	3.05E-04
2828	566940.39	4217203.04	3.84E-03	3.40E-03	5.51E-04	3.39E-04
2829	566928.79	4217200.47	3.98E-03	3.52E-03	5.70E-04	3.51E-04
2830	566917.19	4217197.9	4.12E-03	3.64E-03	5.90E-04	3.64E-04
2831	567097.32	4217222.84	3.04E-03	2.69E-03	4.35E-04	2.68E-04
2832	567086.72	4217228.68	2.86E-03	2.53E-03	4.10E-04	2.52E-04
2833	567076.12	4217234.52	2.71E-03	2.40E-03	3.89E-04	2.39E-04
2834	567061.59	4217239.48	2.60E-03	2.30E-03	3.73E-04	2.30E-04
2835	567049.77	4217236.86	2.66E-03	2.35E-03	3.81E-04	2.35E-04
2836	567026.14	4217231.63	2.79E-03	2.46E-03	3.99E-04	2.46E-04
2837	567014.33	4217229.01	2.86E-03	2.53E-03	4.10E-04	2.53E-04
2838	567002.52	4217226.39	2.95E-03	2.61E-03	4.22E-04	2.60E-04
2839	566990.7	4217223.77	3.04E-03	2.69E-03	4.35E-04	2.68E-04
2840	566978.89	4217221.15	3.14E-03	2.77E-03	4.50E-04	2.77E-04
2841	566967.07	4217218.54	3.24E-03	2.87E-03	4.65E-04	2.86E-04
2842	566943.44	4217213.3	3.48E-03	3.08E-03	4.98E-04	3.07E-04
2843	566931.63	4217210.68	3.60E-03	3.18E-03	5.16E-04	3.18E-04
2844	566919.82	4217208.06	3.73E-03	3.30E-03	5.35E-04	3.29E-04
2845	566908	4217205.44	3.86E-03	3.41E-03	5.53E-04	3.41E-04
2846	567091.54	4217236.71	2.69E-03	2.38E-03	3.86E-04	2.38E-04
2847	567081	4217242.51	2.56E-03	2.26E-03	3.67E-04	2.26E-04
2848	567070.46	4217248.32	2.44E-03	2.16E-03	3.50E-04	2.16E-04
2849	567059.11	4217248.52	2.44E-03	2.16E-03	3.49E-04	2.15E-04
2850	567047.37	4217245.91	2.49E-03	2.20E-03	3.57E-04	2.20E-04
2851	567023.87	4217240.71	2.60E-03	2.30E-03	3.73E-04	2.30E-04
2852	567012.13	4217238.1	2.67E-03	2.36E-03	3.83E-04	2.36E-04
2853	567000.38	4217235.5	2.74E-03	2.43E-03	3.93E-04	2.42E-04
2854	566988.63	4217232.9	2.82E-03	2.50E-03	4.05E-04	2.49E-04

2855	566976.89	4217230.29	2.91E-03	2.57E-03	4.17E-04	2.57E-04
2856	566965.14	4217227.69	3.00E-03	2.65E-03	4.30E-04	2.65E-04
2857	566941.64	4217222.48	3.20E-03	2.84E-03	4.59E-04	2.83E-04
2858	566929.9	4217219.88	3.31E-03	2.93E-03	4.75E-04	2.93E-04
2859	566918.15	4217217.28	3.43E-03	3.04E-03	4.92E-04	3.03E-04
2860	566906.4	4217214.67	3.55E-03	3.14E-03	5.09E-04	3.13E-04
2861	567089.34	4217248.6	2.45E-03	2.17E-03	3.52E-04	2.17E-04
2862	567078.85	4217254.38	2.34E-03	2.07E-03	3.36E-04	2.07E-04
2863	567064.47	4217259.29	2.26E-03	2.00E-03	3.24E-04	1.99E-04
2864	567052.79	4217256.7	2.30E-03	2.04E-03	3.30E-04	2.03E-04
2865	567041.1	4217254.11	2.35E-03	2.08E-03	3.37E-04	2.07E-04
2866	567017.73	4217248.93	2.46E-03	2.17E-03	3.52E-04	2.17E-04
2867	567006.04	4217246.34	2.52E-03	2.23E-03	3.61E-04	2.22E-04
2868	566994.36	4217243.75	2.58E-03	2.29E-03	3.70E-04	2.28E-04
2869	566982.67	4217241.16	2.65E-03	2.35E-03	3.80E-04	2.34E-04
2870	566970.99	4217238.57	2.73E-03	2.41E-03	3.91E-04	2.41E-04
2871	566947.61	4217233.39	2.90E-03	2.57E-03	4.16E-04	2.56E-04
2872	566935.93	4217230.8	3.00E-03	2.65E-03	4.30E-04	2.65E-04
2873	566924.24	4217228.21	3.10E-03	2.74E-03	4.44E-04	2.74E-04
2874	566912.56	4217225.62	3.20E-03	2.83E-03	4.59E-04	2.83E-04
2875	566900.87	4217223.03	3.31E-03	2.93E-03	4.75E-04	2.92E-04
2876	567087.18	4217260.47	2.25E-03	1.99E-03	3.23E-04	1.99E-04
2877	567076.74	4217266.22	2.16E-03	1.91E-03	3.09E-04	1.90E-04
2878	567065.91	4217269.19	2.11E-03	1.87E-03	3.03E-04	1.87E-04
2879	567054.28	4217266.61	2.15E-03	1.90E-03	3.08E-04	1.90E-04
2880	567042.65	4217264.03	2.19E-03	1.94E-03	3.14E-04	1.94E-04
2881	567019.39	4217258.88	2.29E-03	2.03E-03	3.28E-04	2.02E-04
2882	567007.76	4217256.3	2.34E-03	2.07E-03	3.36E-04	2.07E-04
2883	566996.13	4217253.73	2.40E-03	2.12E-03	3.44E-04	2.12E-04
2884	566984.51	4217251.15	2.46E-03	2.18E-03	3.52E-04	2.17E-04
2885	566972.88	4217248.57	2.52E-03	2.23E-03	3.62E-04	2.23E-04
2886	566937.99	4217240.84	2.75E-03	2.44E-03	3.95E-04	2.43E-04
2887	566926.36	4217238.26	2.84E-03	2.51E-03	4.07E-04	2.51E-04
2888	566914.73	4217235.69	2.93E-03	2.60E-03	4.21E-04	2.59E-04
2889	566903.1	4217233.11	3.03E-03	2.68E-03	4.35E-04	2.68E-04
2890	566891.47	4217230.53	3.13E-03	2.77E-03	4.49E-04	2.76E-04
2891	567016.08	4217267.73	2.16E-03	1.91E-03	3.10E-04	1.91E-04
2892	567004.26	4217265.11	2.21E-03	1.95E-03	3.17E-04	1.95E-04
2893	566992.45	4217262.49	2.26E-03	2.00E-03	3.24E-04	2.00E-04
2894	566980.63	4217259.87	2.31E-03	2.05E-03	3.32E-04	2.04E-04
2895	566968.82	4217257.26	2.37E-03	2.10E-03	3.40E-04	2.09E-04
2896	566945.19	4217252.02	2.51E-03	2.22E-03	3.59E-04	2.21E-04
2897	566933.38	4217249.4	2.58E-03	2.28E-03	3.70E-04	2.28E-04
2898	566921.56	4217246.78	2.66E-03	2.36E-03	3.82E-04	2.35E-04
2899	566909.75	4217244.17	2.75E-03	2.43E-03	3.94E-04	2.43E-04
2900	566897.94	4217241.55	2.84E-03	2.51E-03	4.07E-04	2.51E-04
2901	566974.66	4217268.13	2.19E-03	1.94E-03	3.14E-04	1.93E-04
2902	566962.91	4217265.53	2.24E-03	1.98E-03	3.22E-04	1.98E-04
2903	566939.39	4217260.32	2.37E-03	2.09E-03	3.39E-04	2.09E-04
2904	566927.64	4217257.71	2.43E-03	2.15E-03	3.49E-04	2.15E-04
2905	566915.88	4217255.11	2.51E-03	2.22E-03	3.60E-04	2.21E-04
2906	566904.13	4217252.5	2.59E-03	2.29E-03	3.71E-04	2.28E-04

2907	566892.37	4217249.9	2.67E-03	2.36E-03	3.83E-04	2.36E-04
2908	567088.05	4217292.03	1.83E-03	1.62E-03	2.62E-04	1.62E-04
2909	567077.55	4217297.82	1.77E-03	1.56E-03	2.53E-04	1.56E-04
2910	567066.25	4217298.01	1.77E-03	1.56E-03	2.53E-04	1.56E-04
2911	567054.55	4217295.42	1.80E-03	1.59E-03	2.58E-04	1.59E-04
2912	567042.85	4217292.83	1.83E-03	1.62E-03	2.63E-04	1.62E-04
2913	566925.82	4217266.89	2.28E-03	2.02E-03	3.27E-04	2.01E-04
2914	566914.12	4217264.3	2.34E-03	2.07E-03	3.36E-04	2.07E-04
2915	566902.41	4217261.71	2.41E-03	2.13E-03	3.46E-04	2.13E-04
2916	566890.71	4217259.11	2.49E-03	2.20E-03	3.57E-04	2.20E-04
2917	567092.9	4217300.05	1.74E-03	1.54E-03	2.50E-04	1.54E-04
2918	567082.44	4217305.8	1.68E-03	1.49E-03	2.42E-04	1.49E-04
2919	567071.59	4217308.78	1.66E-03	1.47E-03	2.38E-04	1.46E-04
2920	567059.94	4217306.2	1.69E-03	1.49E-03	2.42E-04	1.49E-04
2921	567048.28	4217303.62	1.72E-03	1.52E-03	2.46E-04	1.52E-04
2922	567024.98	4217298.45	1.78E-03	1.58E-03	2.55E-04	1.57E-04
2923	567013.32	4217295.87	1.81E-03	1.60E-03	2.60E-04	1.60E-04
2924	567001.67	4217293.29	1.85E-03	1.63E-03	2.65E-04	1.63E-04
2925	566896.79	4217270.05	2.28E-03	2.02E-03	3.27E-04	2.01E-04
2926	566873.49	4217264.88	2.42E-03	2.14E-03	3.47E-04	2.13E-04
2927	566984.36	4217075.23	1.95E-02	1.72E-02	2.79E-03	1.72E-03
2928	566921.49	4217140.18	7.55E-03	6.68E-03	1.08E-03	6.66E-04
2929	566915.24	4217147.99	6.91E-03	6.11E-03	9.91E-04	6.10E-04
2930	566908.99	4217155.79	6.34E-03	5.61E-03	9.10E-04	5.60E-04
2931	566871.81	4217215.7	3.61E-03	3.19E-03	5.18E-04	3.19E-04
2932	566865.55	4217223.5	3.39E-03	3.00E-03	4.86E-04	2.99E-04
2933	566941.1	4216986.91	3.86E-02	3.41E-02	5.53E-03	3.41E-03
2934	567105.11	4217057.3	7.77E-02	6.88E-02	1.11E-02	6.86E-03
2935	567123.77	4217062.54	7.43E-02	6.58E-02	1.07E-02	6.56E-03
2936	567133.1	4217065.16	7.18E-02	6.35E-02	1.03E-02	6.34E-03
2937	567121.07	4217072.17	4.89E-02	4.33E-02	7.01E-03	4.32E-03
2938	567130.4	4217074.79	4.85E-02	4.29E-02	6.96E-03	4.28E-03
2939	566971.93	4217095.26	1.41E-02	1.24E-02	2.02E-03	1.24E-03
2940	566934.25	4217088.37	1.40E-02	1.24E-02	2.01E-03	1.24E-03
2941	566937.86	4217114.93	1.03E-02	9.07E-03	1.47E-03	9.06E-04
2942	566923.51	4217103.3	1.15E-02	1.01E-02	1.64E-03	1.01E-03
2943	566892.71	4216996.09	2.34E-02	2.07E-02	3.36E-03	2.07E-03
2944	566874.6	4217000.12	2.01E-02	1.77E-02	2.88E-03	1.77E-03
2945	566828.79	4217003.34	1.46E-02	1.29E-02	2.09E-03	1.29E-03
2946	566887.02	4217191.93	4.44E-03	3.93E-03	6.36E-04	3.92E-04
2947	566872.25	4217179.96	4.97E-03	4.40E-03	7.13E-04	4.39E-04
2948	566801.76	4217011.12	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2949	567053.43	4217312.85	1.63E-03	1.44E-03	2.33E-04	1.44E-04
2950	567062.76	4217315.47	1.60E-03	1.41E-03	2.29E-04	1.41E-04
2951	567072.09	4217318.09	1.57E-03	1.39E-03	2.26E-04	1.39E-04
2952	566852.55	4217211.27	3.78E-03	3.35E-03	5.43E-04	3.34E-04
2953	566966.74	4217298.87	1.81E-03	1.60E-03	2.59E-04	1.60E-04
2954	566976.07	4217301.49	1.77E-03	1.57E-03	2.54E-04	1.57E-04
2955	566985.4	4217304.12	1.74E-03	1.54E-03	2.50E-04	1.54E-04
2956	566994.73	4217306.74	1.71E-03	1.51E-03	2.45E-04	1.51E-04
2957	567004.06	4217309.36	1.68E-03	1.49E-03	2.41E-04	1.49E-04
2958	567013.4	4217311.98	1.65E-03	1.46E-03	2.37E-04	1.46E-04

2959	567022.73	4217314.61	1.63E-03	1.44E-03	2.33E-04	1.44E-04
2960	567041.39	4217319.85	1.57E-03	1.39E-03	2.25E-04	1.39E-04
2961	567050.72	4217322.47	1.54E-03	1.37E-03	2.21E-04	1.36E-04
2962	567060.05	4217325.1	1.52E-03	1.34E-03	2.18E-04	1.34E-04
2963	567069.39	4217327.72	1.49E-03	1.32E-03	2.14E-04	1.32E-04
2964	566947.27	4217299.85	1.81E-03	1.60E-03	2.59E-04	1.60E-04
2965	566939.83	4217293.83	1.88E-03	1.67E-03	2.70E-04	1.66E-04
2966	566765.45	4217018.17	9.97E-03	8.82E-03	1.43E-03	8.81E-04
2967	566964.03	4217308.5	1.71E-03	1.51E-03	2.45E-04	1.51E-04
2968	566973.36	4217311.12	1.68E-03	1.49E-03	2.41E-04	1.48E-04
2969	566982.7	4217313.74	1.65E-03	1.46E-03	2.37E-04	1.46E-04
2970	566992.03	4217316.36	1.62E-03	1.44E-03	2.33E-04	1.43E-04
2971	567001.36	4217318.99	1.60E-03	1.41E-03	2.29E-04	1.41E-04
2972	567010.69	4217321.61	1.57E-03	1.39E-03	2.25E-04	1.39E-04
2973	567020.02	4217324.23	1.54E-03	1.37E-03	2.21E-04	1.36E-04
2974	567038.69	4217329.48	1.49E-03	1.32E-03	2.14E-04	1.32E-04
2975	567048.02	4217332.1	1.47E-03	1.30E-03	2.10E-04	1.30E-04
2976	567057.35	4217334.72	1.44E-03	1.28E-03	2.07E-04	1.28E-04
2977	567066.68	4217337.34	1.42E-03	1.26E-03	2.04E-04	1.26E-04
2978	566944.61	4217309.52	1.71E-03	1.51E-03	2.45E-04	1.51E-04
2979	566937.23	4217303.54	1.78E-03	1.57E-03	2.55E-04	1.57E-04
2980	566929.85	4217297.55	1.85E-03	1.64E-03	2.65E-04	1.63E-04
2981	566870.79	4217249.69	2.72E-03	2.41E-03	3.91E-04	2.40E-04
2982	566970.66	4217320.75	1.59E-03	1.41E-03	2.29E-04	1.41E-04
2983	566979.99	4217323.37	1.57E-03	1.39E-03	2.25E-04	1.38E-04
2984	566989.32	4217325.99	1.54E-03	1.37E-03	2.21E-04	1.36E-04
2985	566998.65	4217328.61	1.52E-03	1.34E-03	2.18E-04	1.34E-04
2986	567007.98	4217331.24	1.49E-03	1.32E-03	2.14E-04	1.32E-04
2987	567017.32	4217333.86	1.47E-03	1.30E-03	2.11E-04	1.30E-04
2988	567026.65	4217336.48	1.45E-03	1.28E-03	2.07E-04	1.28E-04
2989	567045.31	4217341.73	1.40E-03	1.24E-03	2.01E-04	1.24E-04
2990	567054.64	4217344.35	1.38E-03	1.22E-03	1.97E-04	1.22E-04
2991	567063.97	4217346.97	1.36E-03	1.20E-03	1.94E-04	1.20E-04
2992	566941.95	4217319.18	1.62E-03	1.43E-03	2.32E-04	1.43E-04
2993	566934.62	4217313.24	1.68E-03	1.48E-03	2.40E-04	1.48E-04
2994	566927.28	4217307.29	1.74E-03	1.54E-03	2.50E-04	1.54E-04
2995	566919.95	4217301.35	1.81E-03	1.60E-03	2.60E-04	1.60E-04
2996	566912.61	4217295.41	1.89E-03	1.67E-03	2.71E-04	1.67E-04
2997	566773.24	4217182.46	4.58E-03	4.05E-03	6.57E-04	4.05E-04
2998	566765.91	4217176.51	4.72E-03	4.18E-03	6.77E-04	4.17E-04
2999	566757.86	4217161.15	5.14E-03	4.55E-03	7.37E-04	4.54E-04
3000	566949.29	4217325.13	1.56E-03	1.38E-03	2.24E-04	1.38E-04
3001	566967.95	4217330.37	1.51E-03	1.34E-03	2.17E-04	1.34E-04
3002	566977.28	4217333	1.49E-03	1.32E-03	2.14E-04	1.32E-04
3003	566986.62	4217335.62	1.47E-03	1.30E-03	2.11E-04	1.30E-04
3004	566995.95	4217338.24	1.45E-03	1.28E-03	2.07E-04	1.28E-04
3005	567005.28	4217340.86	1.42E-03	1.26E-03	2.04E-04	1.26E-04
3006	567014.61	4217343.49	1.40E-03	1.24E-03	2.01E-04	1.24E-04
3007	567023.94	4217346.11	1.38E-03	1.22E-03	1.98E-04	1.22E-04
3008	567042.61	4217351.35	1.34E-03	1.18E-03	1.92E-04	1.18E-04
3009	567051.94	4217353.98	1.31E-03	1.16E-03	1.88E-04	1.16E-04
3010	567061.27	4217356.6	1.29E-03	1.14E-03	1.86E-04	1.14E-04

3011	567279.1	4217261.6	4.75E-03	4.20E-03	6.81E-04	4.19E-04
3012	567122.82	4217293.39	1.85E-03	1.64E-03	2.66E-04	1.64E-04
3013	567289.51	4217263.28	4.88E-03	4.32E-03	7.00E-04	4.31E-04
3014	567218.76	4217291.17	2.57E-03	2.27E-03	3.68E-04	2.27E-04
3015	567209.76	4217292.25	2.43E-03	2.15E-03	3.48E-04	2.15E-04
3016	567200.77	4217293.34	2.31E-03	2.04E-03	3.31E-04	2.04E-04
3017	567191.77	4217294.42	2.20E-03	1.95E-03	3.15E-04	1.94E-04
3018	567173.77	4217296.58	2.02E-03	1.79E-03	2.90E-04	1.78E-04
3019	567164.77	4217297.66	1.95E-03	1.73E-03	2.80E-04	1.72E-04
3020	567155.78	4217298.74	1.89E-03	1.67E-03	2.71E-04	1.67E-04
3021	567146.78	4217299.82	1.84E-03	1.63E-03	2.64E-04	1.63E-04
3022	567137.78	4217300.9	1.80E-03	1.59E-03	2.58E-04	1.59E-04
3023	567119.79	4217303.06	1.74E-03	1.54E-03	2.49E-04	1.53E-04
3024	567305.4	4217257.97	5.47E-03	4.84E-03	7.85E-04	4.83E-04
3025	567268.72	4217294.48	3.22E-03	2.85E-03	4.62E-04	2.85E-04
3026	567250.84	4217296.62	2.88E-03	2.55E-03	4.13E-04	2.54E-04
3027	567232.97	4217298.77	2.57E-03	2.27E-03	3.69E-04	2.27E-04
3028	567215.09	4217300.92	2.31E-03	2.04E-03	3.31E-04	2.04E-04
3029	567197.22	4217303.06	2.09E-03	1.85E-03	3.00E-04	1.85E-04
3030	567179.34	4217305.21	1.93E-03	1.71E-03	2.76E-04	1.70E-04
3031	567170.4	4217306.28	1.86E-03	1.65E-03	2.67E-04	1.64E-04
3032	567152.53	4217308.43	1.76E-03	1.55E-03	2.52E-04	1.55E-04
3033	567134.65	4217310.58	1.68E-03	1.49E-03	2.41E-04	1.49E-04
3034	567116.78	4217312.72	1.63E-03	1.45E-03	2.34E-04	1.44E-04
3035	567089.97	4217315.94	1.59E-03	1.41E-03	2.28E-04	1.40E-04
3036	567317.1	4217258.02	5.68E-03	5.03E-03	8.14E-04	5.02E-04
3037	567311.34	4217265.37	5.19E-03	4.59E-03	7.44E-04	4.58E-04
3038	567288.32	4217294.77	3.54E-03	3.13E-03	5.07E-04	3.12E-04
3039	567273.3	4217303.23	3.03E-03	2.68E-03	4.35E-04	2.68E-04
3040	567254.76	4217305.46	2.70E-03	2.39E-03	3.88E-04	2.39E-04
3041	567245.49	4217306.57	2.55E-03	2.26E-03	3.66E-04	2.25E-04
3042	567236.22	4217307.68	2.41E-03	2.13E-03	3.46E-04	2.13E-04
3043	567226.95	4217308.79	2.28E-03	2.02E-03	3.27E-04	2.01E-04
3044	567217.68	4217309.91	2.16E-03	1.91E-03	3.10E-04	1.91E-04
3045	567208.42	4217311.02	2.06E-03	1.82E-03	2.95E-04	1.82E-04
3046	567199.15	4217312.13	1.96E-03	1.74E-03	2.81E-04	1.73E-04
3047	567171.34	4217315.47	1.75E-03	1.55E-03	2.51E-04	1.54E-04
3048	567162.07	4217316.59	1.70E-03	1.50E-03	2.43E-04	1.50E-04
3049	567152.8	4217317.7	1.65E-03	1.46E-03	2.37E-04	1.46E-04
3050	567143.53	4217318.81	1.62E-03	1.43E-03	2.32E-04	1.43E-04
3051	567134.27	4217319.93	1.59E-03	1.41E-03	2.28E-04	1.40E-04
3052	567125	4217321.04	1.56E-03	1.38E-03	2.24E-04	1.38E-04
3053	567115.73	4217322.15	1.55E-03	1.37E-03	2.22E-04	1.36E-04
3054	567097.19	4217324.38	1.52E-03	1.34E-03	2.18E-04	1.34E-04
3055	567087.92	4217325.49	1.51E-03	1.34E-03	2.16E-04	1.33E-04
3056	567078.65	4217326.6	1.50E-03	1.33E-03	2.15E-04	1.33E-04
3057	567401.72	4217164.92	1.11E-02	9.78E-03	1.58E-03	9.76E-04
3058	567384.58	4217186.81	1.03E-02	9.15E-03	1.48E-03	9.13E-04
3059	567378.87	4217194.1	1.00E-02	8.85E-03	1.43E-03	8.83E-04
3060	567373.16	4217201.4	9.61E-03	8.51E-03	1.38E-03	8.49E-04
3061	567367.45	4217208.69	9.19E-03	8.13E-03	1.32E-03	8.12E-04
3062	567356.02	4217223.28	8.25E-03	7.30E-03	1.18E-03	7.29E-04

3063	567350.31	4217230.58	7.75E-03	6.86E-03	1.11E-03	6.85E-04
3064	567344.6	4217237.87	7.25E-03	6.41E-03	1.04E-03	6.40E-04
3065	567327.46	4217259.76	5.75E-03	5.09E-03	8.25E-04	5.08E-04
3066	567304.61	4217288.94	4.02E-03	3.56E-03	5.76E-04	3.55E-04
3067	567298.9	4217296.24	3.66E-03	3.24E-03	5.24E-04	3.23E-04
3068	567293.18	4217303.53	3.33E-03	2.94E-03	4.77E-04	2.94E-04
3069	567278.27	4217311.93	2.86E-03	2.53E-03	4.11E-04	2.53E-04
3070	567269.07	4217313.04	2.71E-03	2.40E-03	3.88E-04	2.39E-04
3071	567250.67	4217315.25	2.42E-03	2.14E-03	3.47E-04	2.14E-04
3072	567241.47	4217316.35	2.29E-03	2.03E-03	3.28E-04	2.02E-04
3073	567232.27	4217317.46	2.17E-03	1.92E-03	3.11E-04	1.92E-04
3074	567223.07	4217318.56	2.06E-03	1.82E-03	2.95E-04	1.82E-04
3075	567213.87	4217319.67	1.96E-03	1.74E-03	2.81E-04	1.73E-04
3076	567204.68	4217320.77	1.87E-03	1.66E-03	2.69E-04	1.66E-04
3077	567195.48	4217321.88	1.80E-03	1.59E-03	2.58E-04	1.59E-04
3078	567177.08	4217324.09	1.67E-03	1.48E-03	2.40E-04	1.48E-04
3079	567167.88	4217325.19	1.62E-03	1.44E-03	2.33E-04	1.43E-04
3080	567158.68	4217326.3	1.58E-03	1.40E-03	2.27E-04	1.40E-04
3081	567149.48	4217327.4	1.55E-03	1.37E-03	2.22E-04	1.37E-04
3082	567140.28	4217328.51	1.52E-03	1.34E-03	2.18E-04	1.34E-04
3083	567131.08	4217329.61	1.50E-03	1.32E-03	2.14E-04	1.32E-04
3084	567121.88	4217330.72	1.48E-03	1.31E-03	2.12E-04	1.30E-04
3085	567094.28	4217334.03	1.44E-03	1.28E-03	2.07E-04	1.27E-04
3086	567085.08	4217335.13	1.43E-03	1.27E-03	2.06E-04	1.27E-04
3087	567075.88	4217336.24	1.43E-03	1.26E-03	2.05E-04	1.26E-04
3088	567394.49	4217189.13	9.98E-03	8.84E-03	1.43E-03	8.82E-04
3089	567388.82	4217196.38	9.69E-03	8.57E-03	1.39E-03	8.56E-04
3090	567383.15	4217203.62	9.35E-03	8.28E-03	1.34E-03	8.26E-04
3091	567377.48	4217210.87	8.97E-03	7.94E-03	1.29E-03	7.93E-04
3092	567371.8	4217218.11	8.56E-03	7.58E-03	1.23E-03	7.56E-04
3093	567366.13	4217225.36	8.13E-03	7.19E-03	1.17E-03	7.18E-04
3094	567360.46	4217232.6	7.67E-03	6.79E-03	1.10E-03	6.77E-04
3095	567354.78	4217239.85	7.20E-03	6.37E-03	1.03E-03	6.36E-04
3096	567349.11	4217247.09	6.73E-03	5.96E-03	9.65E-04	5.94E-04
3097	567315.07	4217290.56	4.13E-03	3.65E-03	5.92E-04	3.64E-04
3098	567309.4	4217297.81	3.77E-03	3.33E-03	5.40E-04	3.33E-04
3099	567298.05	4217312.3	3.13E-03	2.77E-03	4.49E-04	2.77E-04
3100	567283.24	4217320.64	2.71E-03	2.40E-03	3.88E-04	2.39E-04
3101	567274.11	4217321.74	2.56E-03	2.27E-03	3.68E-04	2.26E-04
3102	567246.7	4217325.03	2.18E-03	1.93E-03	3.13E-04	1.92E-04
3103	567237.56	4217326.12	2.07E-03	1.83E-03	2.97E-04	1.83E-04
3104	567228.43	4217327.22	1.97E-03	1.74E-03	2.82E-04	1.74E-04
3105	567219.29	4217328.32	1.87E-03	1.66E-03	2.69E-04	1.66E-04
3106	567210.15	4217329.42	1.79E-03	1.59E-03	2.57E-04	1.58E-04
3107	567201.02	4217330.51	1.72E-03	1.52E-03	2.47E-04	1.52E-04
3108	567191.88	4217331.61	1.66E-03	1.47E-03	2.38E-04	1.46E-04
3109	567173.61	4217333.81	1.56E-03	1.38E-03	2.23E-04	1.37E-04
3110	567164.47	4217334.9	1.52E-03	1.34E-03	2.17E-04	1.34E-04
3111	567155.34	4217336	1.48E-03	1.31E-03	2.12E-04	1.31E-04
3112	567146.2	4217337.1	1.45E-03	1.29E-03	2.09E-04	1.28E-04
3113	567137.06	4217338.19	1.43E-03	1.27E-03	2.05E-04	1.26E-04
3114	567127.93	4217339.29	1.41E-03	1.25E-03	2.03E-04	1.25E-04

3115	567118.79	4217340.39	1.40E-03	1.24E-03	2.01E-04	1.24E-04
3116	567100.52	4217342.58	1.38E-03	1.22E-03	1.98E-04	1.22E-04
3117	567091.38	4217343.68	1.37E-03	1.21E-03	1.97E-04	1.21E-04
3118	567082.25	4217344.78	1.37E-03	1.21E-03	1.96E-04	1.21E-04
3119	567073.11	4217345.87	1.36E-03	1.20E-03	1.95E-04	1.20E-04
3120	567398.75	4217198.68	9.38E-03	8.30E-03	1.35E-03	8.29E-04
3121	567393.11	4217205.88	9.09E-03	8.04E-03	1.30E-03	8.02E-04
3122	567381.84	4217220.27	8.38E-03	7.42E-03	1.20E-03	7.40E-04
3123	567370.56	4217234.67	7.57E-03	6.70E-03	1.09E-03	6.69E-04
3124	567364.93	4217241.87	7.14E-03	6.32E-03	1.02E-03	6.31E-04
3125	567353.65	4217256.27	6.26E-03	5.54E-03	8.98E-04	5.53E-04
3126	567325.47	4217292.26	4.22E-03	3.73E-03	6.05E-04	3.73E-04
3127	567319.83	4217299.46	3.87E-03	3.42E-03	5.54E-04	3.41E-04
3128	567308.56	4217313.86	3.23E-03	2.86E-03	4.64E-04	2.86E-04
3129	567288.21	4217329.34	2.56E-03	2.27E-03	3.68E-04	2.26E-04
3130	567279.13	4217330.43	2.43E-03	2.15E-03	3.49E-04	2.15E-04
3131	567270.06	4217331.52	2.31E-03	2.04E-03	3.31E-04	2.04E-04
3132	567251.9	4217333.71	2.08E-03	1.84E-03	2.98E-04	1.83E-04
3133	567242.82	4217334.8	1.97E-03	1.75E-03	2.83E-04	1.74E-04
3134	567233.74	4217335.89	1.88E-03	1.66E-03	2.69E-04	1.66E-04
3135	567224.67	4217336.98	1.79E-03	1.59E-03	2.57E-04	1.58E-04
3136	567215.59	4217338.07	1.72E-03	1.52E-03	2.46E-04	1.51E-04
3137	567206.51	4217339.16	1.65E-03	1.46E-03	2.36E-04	1.45E-04
3138	567197.43	4217340.25	1.59E-03	1.40E-03	2.28E-04	1.40E-04
3139	567179.28	4217342.43	1.49E-03	1.32E-03	2.14E-04	1.32E-04
3140	567170.2	4217343.52	1.45E-03	1.29E-03	2.08E-04	1.28E-04
3141	567161.12	4217344.61	1.42E-03	1.26E-03	2.04E-04	1.25E-04
3142	567152.05	4217345.7	1.39E-03	1.23E-03	2.00E-04	1.23E-04
3143	567142.97	4217346.79	1.37E-03	1.21E-03	1.97E-04	1.21E-04
3144	567133.89	4217347.88	1.35E-03	1.20E-03	1.94E-04	1.20E-04
3145	567124.81	4217348.97	1.34E-03	1.19E-03	1.92E-04	1.18E-04
3146	567115.74	4217350.06	1.33E-03	1.18E-03	1.91E-04	1.17E-04
3147	567097.58	4217352.24	1.31E-03	1.16E-03	1.88E-04	1.16E-04
3148	567088.5	4217353.33	1.31E-03	1.16E-03	1.87E-04	1.15E-04
3149	567079.42	4217354.42	1.30E-03	1.15E-03	1.87E-04	1.15E-04
3150	567070.35	4217355.51	1.30E-03	1.15E-03	1.86E-04	1.15E-04

			T2		22	T3			T4I			T4f		
					1.35E-05			1.18E-05			1.69E-06			1.21E-06
					4216974.43									
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	567145.96	4217064.54	2.95E-06	3.19E-06	6.14E-06	2.56E-06	2.82E-06	5.38E-06	3.10E-07	4.57E-07	7.67E-07	2.70E-07	2.82E-07	5.51E-07
2	567143.55	4217074.25	2.01E-06	2.17E-06	4.19E-06	1.75E-06	1.92E-06	3.67E-06	2.11E-07	3.12E-07	5.23E-07	1.84E-07	1.92E-07	3.76E-07
3	567141.15	4217083.96	1.44E-06	1.56E-06	3.00E-06	1.25E-06	1.38E-06	2.63E-06	1.51E-07	2.23E-07	3.74E-07	1.32E-07	1.37E-07	2.69E-07
4	567133.93	4217113.08	6.27E-07	6.77E-07	1.30E-06	5.44E-07	5.99E-07	1.14E-06	6.58E-08	9.71E-08	1.63E-07	5.73E-08	5.98E-08	1.17E-07
5	567131.52	4217122.78	4.96E-07	5.36E-07	1.03E-06	4.31E-07	4.74E-07	9.05E-07	5.21E-08	7.68E-08	1.29E-07	4.53E-08	4.73E-08	9.27E-08
6	567129.11	4217132.49	4.01E-07	4.32E-07	8.33E-07	3.48E-07	3.83E-07	7.30E-07	4.20E-08	6.20E-08	1.04E-07	3.66E-08	3.82E-08	7.48E-08
7	567126.71	4217142.19	3.30E-07	3.56E-07	6.85E-07	2.86E-07	3.15E-07	6.01E-07	3.46E-08	5.10E-08	8.56E-08	3.01E-08	3.14E-08	6.15E-08
8	567124.3	4217151.9	2.76E-07	2.98E-07	5.74E-07	2.39E-07	2.63E-07	5.03E-07	2.89E-08	4.27E-08	7.16E-08	2.52E-08	2.63E-08	5.15E-08
9	567121.89	4217161.61	2.35E-07	2.53E-07	4.88E-07	2.04E-07	2.24E-07	4.28E-07	2.46E-08	3.63E-08	6.09E-08	2.14E-08	2.24E-08	4.38E-08
10	567119.49	4217171.31	2.02E-07	2.18E-07	4.21E-07	1.76E-07	1.93E-07	3.69E-07	2.12E-08	3.13E-08	5.26E-08	1.85E-08	1.93E-08	3.78E-08
11	567117.08	4217181.02	1.77E-07	1.91E-07	3.68E-07	1.54E-07	1.69E-07	3.23E-07	1.86E-08	2.74E-08	4.60E-08	1.62E-08	1.69E-08	3.30E-08
12	567114.67	4217190.72	1.57E-07	1.69E-07	3.26E-07	1.36E-07	1.50E-07	2.85E-07	1.64E-08	2.42E-08	4.07E-08	1.43E-08	1.49E-08	2.92E-08
13	567102.64	4217239.25	9.63E-08	1.04E-07	2.00E-07	8.35E-08	9.20E-08	1.75E-07	1.01E-08	1.49E-08	2.50E-08	8.79E-09	9.18E-09	1.80E-08
14	567100.23	4217248.96	8.90E-08	9.61E-08	1.85E-07	7.72E-08	8.50E-08	1.62E-07	9.34E-09	1.38E-08	2.31E-08	8.13E-09	8.49E-09	1.66E-08
15	567097.83	4217258.67	8.27E-08	8.93E-08	1.72E-07	7.18E-08	7.90E-08	1.51E-07	8.68E-09	1.28E-08	2.15E-08	7.56E-09	7.89E-09	1.54E-08
16	567095.42	4217268.37	7.72E-08	8.33E-08	1.60E-07	6.70E-08	7.37E-08	1.41E-07	8.09E-09	1.19E-08	2.00E-08	7.05E-09	7.36E-09	1.44E-08
17	567178.64	4216983.73	6.43E-06	6.94E-06	1.34E-05	5.58E-06	6.14E-06	1.17E-05	6.74E-07	9.95E-07	1.67E-06	5.87E-07	6.13E-07	1.20E-06
18	567182.66	4216974.43	6.50E-06	7.02E-06	1.35E-05	5.64E-06	6.21E-06	1.18E-05	6.82E-07	1.01E-06	1.69E-06	5.94E-07	6.19E-07	1.21E-06
19	567187.53	4216987.36	5.13E-06	5.54E-06	1.07E-05	4.45E-06	4.90E-06	9.36E-06	5.38E-07	7.95E-07	1.33E-06	4.69E-07	4.89E-07	9.58E-07
20	567176.43	4216996.07	6.00E-06	6.48E-06	1.25E-05	5.21E-06	5.73E-06	1.09E-05	6.30E-07	9.29E-07	1.56E-06	5.48E-07	5.72E-07	1.12E-06
21	567192.3	4216977.06	5.15E-06	5.55E-06	1.07E-05	4.46E-06	4.92E-06	9.38E-06	5.40E-07	7.96E-07	1.34E-06	4.70E-07	4.90E-07	9.60E-07
22	567196.79	4216990.49	4.23E-06	4.57E-06	8.80E-06	3.67E-06	4.04E-06	7.72E-06	4.44E-07	6.55E-07	1.10E-06	3.87E-07	4.04E-07	7.90E-07
23	567189.91	4216999.48	4.44E-06	4.79E-06	9.23E-06	3.85E-06	4.24E-06	8.09E-06	4.65E-07	6.87E-07	1.15E-06	4.05E-07	4.23E-07	8.28E-07
24	567180.87	4217004.78	5.04E-06	5.44E-06	1.05E-05	4.37E-06	4.81E-06	9.19E-06	5.29E-07	7.80E-07	1.31E-06	4.60E-07	4.80E-07	9.41E-07
25	567169.67	4217006.41	6.43E-06	6.94E-06	1.34E-05	5.58E-06	6.14E-06	1.17E-05	6.74E-07	9.95E-07	1.67E-06	5.87E-07	6.13E-07	1.20E-06
26	567201.95	4216979.69	4.22E-06	4.56E-06	8.78E-06	3.66E-06	4.03E-06	7.70E-06	4.43E-07	6.54E-07	1.10E-06	3.86E-07	4.03E-07	7.88E-07
27	567206.21	4216993.42	3.57E-06	3.86E-06	7.43E-06	3.10E-06	3.41E-06	6.51E-06	3.75E-07	5.53E-07	9.28E-07	3.26E-07	3.41E-07	6.67E-07
28	567198.87	4217003.01	3.73E-06	4.02E-06	7.75E-06	3.23E-06	3.56E-06	6.79E-06	3.91E-07	5.77E-07	9.68E-07	3.40E-07	3.55E-07	6.96E-07
29	567185.56	4217013.46	4.28E-06	4.62E-06	8.89E-06	3.71E-06	4.08E-06	7.79E-06	4.48E-07	6.62E-07	1.11E-06	3.91E-07	4.08E-07	7.98E-07
30	567173.61	4217015.19	5.35E-06	5.77E-06	1.11E-05	4.64E-06	5.11E-06	9.75E-06	5.61E-07	8.28E-07	1.39E-06	4.89E-07	5.10E-07	9.99E-07
31	567211.6	4216982.32	3.56E-06	3.84E-06	7.39E-06	3.08E-06	3.40E-06	6.48E-06	3.73E-07	5.50E-07	9.23E-07	3.25E-07	3.39E-07	6.64E-07
32	567215.71	4216996.25	3.07E-06	3.31E-06	6.37E-06	2.66E-06	2.93E-06	5.59E-06	3.22E-07	4.74E-07	7.96E-07	2.80E-07	2.92E-07	5.72E-07
33	567208.06	4217006.24	3.19E-06	3.44E-06	6.63E-06	2.77E-06	3.05E-06	5.81E-06	3.35E-07	4.94E-07	8.28E-07	2.91E-07	3.04E-07	5.95E-07
34	567200.42	4217016.23	3.30E-06	3.56E-06	6.86E-06	2.86E-06	3.15E-06	6.02E-06	3.46E-07	5.11E-07	8.57E-07	3.02E-07	3.15E-07	6.16E-07
35	567190.37	4217022.12	3.66E-06	3.95E-06	7.61E-06	3.17E-06	3.49E-06	6.67E-06	3.84E-07	5.66E-07	9.50E-07	3.34E-07	3.49E-07	6.83E-07
36	567177.93	4217023.93	4.47E-06	4.82E-06	9.29E-06	3.88E-06	4.27E-06	8.15E-06	4.69E-07	6.92E-07	1.16E-06	4.08E-07	4.26E-07	8.34E-07
37	567165.48	4217025.73	5.78E-06	6.23E-06	1.20E-05	5.01E-06	5.52E-06	1.05E-05	6.06E-07	8.94E-07	1.50E-06	5.28E-07	5.50E-07	1.08E-06
38	567221.25	4216984.95	3.04E-06	3.28E-06	6.32E-06	2.64E-06	2.90E-06	5.54E-06	3.19E-07	4.70E-07	7.89E-07	2.78E-07	2.90E-07	5.67E-07
39	567225.24	4216999.03	2.67E-06	2.88E-06	5.54E-06	2.31E-06	2.55E-06	4.86E-06	2.80E-07	4.13E-07	6.92E-07	2.43E-07	2.54E-07	4.97E-07
40	567217.38	4217009.3	2.77E-06	2.99E-06	5.76E-06	2.40E-06	2.65E-06	5.05E-06	2.91E-07	4.29E-07	7.20E-07	2.53E-07	2.64E-07	5.17E-07
41	567209.52	4217019.57	2.85E-06	3.08E-06	5.94E-06	2.48E-06	2.73E-06	5.20E-06	2.99E-07	4.42E-07	7.41E-07	2.61E-07	2.72E-07	5.33E-07
42	567195.26	4217030.77	3.15E-06	3.40E-06	6.55E-06	2.73E-06	3.01E-06	5.75E-06	3.31E-07	4.88E-07	8.18E-07	2.88E-07	3.00E-07	5.88E-07
43	567182.45	4217032.63	3.76E-06	4.06E-06	7.81E-06	3.26E-06	3.59E-06	6.85E-06	3.94E-07	5.82E-07	9.76E-07	3.43E-07	3.58E-07	7.01E-07
44	567169.65	4217034.48	4.67E-06	5.04E-06	9.71E-06	4.05E-06	4.46E-06	8.51E-06	4.90E-07	7.23E-07	1.21E-06	4.26E-07	4.45E-07	8.71E-07
45	567230.89	4216987.59	2.63E-06	2.84E-06	5.46E-06	2.28E-06	2.51E-06	4.79E-06	2.76E-07	4.07E-07	6.82E-07	2.40E-07	2.50E-07	4.90E-07
46	567235.26	4217001.18	2.33E-06	2.52E-06	4.85E-06	2.03E-06	2.23E-06	4.25E-06	2.45E-07	3.61E-07	6.06E-07	2.13E-07	2.22E-07	4.36E-07
47	567228.12	4217010.51	2.42E-06	2.61E-06	5.04E-06	2.10E-06	2.31E-06	4.41E-06	2.54E-07	3.75E-07	6.29E-07	2.21E-07	2.31E-07	4.52E-07
48	567220.99	4217019.83	2.49E-06	2.68E-06	5.17E-06	2.16E-06	2.38E-06	4.53E-06	2.61E-07	3.85E-07	6.46E-07	2.27E-07	2.37E-07	4.64E-07
49	567213.85	4217029.15	2.53E-06	2.73E-06	5.26E-06	2.20E-06	2.42E-06	4.61E-06	2.66E-07	3.92E-07	6.57E-07	2.31E-07	2.41E-07	4.72E-07
50	567200.91	4217039.31	2.71E-06	2.93E-06	5.64E-06	2.35E-06	2.59E-06	4.94E-06	2.84E-07	4.19E-07	7.04E-07	2.48E-07	2.58E-07	5.06E-07
51	567189.29	4217041	3.09E-06	3.34E-06	6.43E-06	2.68E-06	2.95E-06	5.63E-06	3.24E-07	4.78E-07	8.02E-07	2.82E-07	2.95E-07	5.77E-07
52	567177.68	4217042.68	3.59E-06	3.88E-06	7.47E-06	3.12E-06	3.43E-06	6.55E-06	3.77E-07	5.56E-07	9.32E-07	3.28E-07	3.42E-07	6.70E-07
53	567166.06	4217044.36	4.31E-06	4.65E-06	8.95E-06	3.74E-06	4.11E-06	7.85E-06	4.52E-07	6.66E-07	1.12E-06	3.93E-07	4.10E-07	8.04E-07
54	567240.54	4216990.22	2.29E-06	2.48E-06	4.77E-06	1.99E-06	2.19E-06	4.18E-06	2.41E-07	3.55E-07	5.96E-07	2.10E-07	2.19E-07	4.28E-07
55	567244.8	4217003.95	2.07E-06	2.23E-06	4.30E-06	1.79E-06	1.98E-06	3.77E-06	2.17E-07	3.20E-07	5.37E-07	1.89E-07	1.97E-07	3.86E-07
56	567237.46	4217013.54	2.15E-06	2.32E-06	4.47E-06	1.86E-06	2.05E-06	3.92E-06	2.25E-07	3.33E-07	5.58E-07	1.96E-07	2.05E-07	4.01E-07
57	567230.13	4217023.13	2.21E-06	2.38E-06	4.59E-06	1.91E-06	2.11E-06	4.02E-06	2.31E-07	3.42E-07	5.73E-07	2.02E-07	2.10E-07	4.12E-07
58	567222.79	4217032.71	2.24E-06	2.42E-06	4.66E-06	1.94E-06	2.14E-06	4.08E-06	2.35E-07	3.47E-07	5.82E-07	2.05E-07	2.14E-07	4.18E-07
59	567215.45	4217042.3	2.25E-06	2.43E-06	4.67E-06	1.95E-06	2.15E-06	4.10E-06	2.36E-07	3.48E-07	5.84E-07	2.05E-07	2.14E-07	4.20E-07
60	567205.81	4217047.96	2.36E-06	2.55E-06	4.91E-06	2.05E-06	2.25E-06	4.30E-06	2.48E-07	3.65E-07	6.13E-07	2.16E-07	2.25E-07	4.41E-07
61	567193.86	4217049.69	2.64E-06	2.85E-06	5.49E-06	2.29E-06	2.52E-06	4.81E-06	2.77E-07	4.08E-07	6.85E-07	2.41E-07	2.51E-07	4.93E-07
62	567181.91	4217051.42	2.98E-06	3.21E-06	6.19E-06	2.58E-06	2.84E-06	5.43E-06	3.12E-07	4.61E-07	7.73E-07	2.72E-07	2.84E-07	5.56E-07
63	567169.96	4217053.15	3.40E-06	3.67E-06	7.07E-06	2.95E-06	3.25E-06	6.19E-06	3.56E-07	5.26E-07	8.82E-07	3.10E-07	3.24E-07	6.34E-07
64	567158.01	4217054.88	3.92E-06	4.23E-06	8.15E-06	3.40E-06	3.74E-06	7.15E-06	4.11E-07	6.07E-07	1.02E-06	3.58E-07	3.74E-07	7.32E-07
65	567250.19	4216992.85	2.02E-06	2.18E-06	4.20E-06	1.75E-06	1.93E-06	3.68E-06	2.12E-07	3.12E-07	5.24E-07	1.84E-07	1.92E-07	3.77E-07
66	567254.36	4217006.69	1.84E-06	1.99E-06	3.83E-06	1.60E-06	1.76E-06	3.36E-06	1.93E-07	2.85E-07	4.78E-07	1.68E-07	1.76E-07	3.44E-07
67	567246.86	4217016.5	1.92E-06	2.07E-06	3.99E-06	1.66E-06	1.83E-06	3.50E-06	2.01E-07	2.97E-07	4.98E-07	1.75E-07	1.83E-07	3.58E-07
68	567239.36	4217026.3	1.97E-06	2.13E-06	4.10E-06	1.71E-06	1.88E-06	3.59E-06	2.07E-07	3.05E-07	5.12E-07	1.80E-07	1.88E-07	3.68E-07
69	567231.85	4217036.11	2.00E-06	2.16E-06	4.16E-06	1.74E-06	1.91E-06	3.65E-06	2.10E-07	3.10E-07	5.19E-07	1.83E-07	1.91E-07	3.73E-07
70	567224.35	4217045.91	2.00E-06	2.16E-06	4.16E-06	1.74E-06	1.91E-06	3.65E-06	2.10E-07	3.10E-07	5.20E-07	1.83E-07	1.91E-07	3.74E-07
71	567210.73	4217056.61	2.06E-06	2.22E-06	4.28E-06	1.79E-06	1.97E-06	3.76E-06	2.16E-07	3.19E-07	5.35E-07	1.88E-07	1.96E-07	3.85E-07
72	567198.51	4217058.38	2.26E-06	2.44E-06	4.70E-06	1.96E-06	2.16E-06	4.12E-06	2.37E-07	3.49E-07	5.86E-07	2.06E-07	2.15E-07	4.21E-07
73	567186.29	4217060.14	2.48E-06	2.67E-06	5.15E-06	2.15E-06	2.36E-06	4.51E-06	2.60E-07	3.83E-07	6.43E-07	2.26E-07	2.36E-07	4.62E-07

74	567174.07	4217061.91	2.70E-06	2.92E-06	5.62E-06	2.34E-06	2.58E-06	4.93E-06	2.83E-07	4.18E-07	7.02E-07	2.47E-07	2.58E-07	5.04E-07
75	567161.85	4217063.68	2.90E-06	3.13E-06	6.03E-06	2.51E-06	2.77E-06	5.28E-06	3.04E-07	4.49E-07	7.53E-07	2.65E-07	2.76E-07	5.41E-07
76	567259.84	4216995.48	1.79E-06	1.93E-06	3.72E-06	1.55E-06	1.71E-06	3.26E-06	1.88E-07	2.77E-07	4.64E-07	1.63E-07	1.70E-07	3.34E-07
77	567263.94	4217009.41	1.65E-06	1.78E-06	3.43E-06	1.43E-06	1.57E-06	3.01E-06	1.73E-07	2.55E-07	4.28E-07	1.51E-07	1.57E-07	3.08E-07
78	567256.3	4217019.4	1.72E-06	1.86E-06	3.58E-06	1.49E-06	1.64E-06	3.14E-06	1.81E-07	2.66E-07	4.47E-07	1.57E-07	1.64E-07	3.21E-07
79	567248.66	4217029.39	1.77E-06	1.91E-06	3.68E-06	1.54E-06	1.69E-06	3.23E-06	1.86E-07	2.74E-07	4.60E-07	1.62E-07	1.69E-07	3.31E-07
80	567241.01	4217039.38	1.80E-06	1.94E-06	3.74E-06	1.56E-06	1.72E-06	3.28E-06	1.89E-07	2.78E-07	4.67E-07	1.64E-07	1.71E-07	3.36E-07
81	567233.37	4217049.36	1.80E-06	1.94E-06	3.74E-06	1.56E-06	1.72E-06	3.28E-06	1.89E-07	2.78E-07	4.67E-07	1.64E-07	1.71E-07	3.36E-07
82	567225.73	4217059.35	1.77E-06	1.91E-06	3.67E-06	1.53E-06	1.69E-06	3.22E-06	1.85E-07	2.73E-07	4.59E-07	1.61E-07	1.68E-07	3.30E-07
83	567215.68	4217065.25	1.80E-06	1.95E-06	3.75E-06	1.56E-06	1.72E-06	3.29E-06	1.89E-07	2.79E-07	4.68E-07	1.65E-07	1.72E-07	3.37E-07
84	567203.23	4217067.05	1.94E-06	2.09E-06	4.03E-06	1.68E-06	1.85E-06	3.53E-06	2.03E-07	3.00E-07	5.03E-07	1.77E-07	1.85E-07	3.62E-07
85	567190.79	4217068.85	2.07E-06	2.24E-06	4.31E-06	1.80E-06	1.98E-06	3.78E-06	2.17E-07	3.21E-07	5.38E-07	1.89E-07	1.97E-07	3.87E-07
86	567178.34	4217070.65	2.18E-06	2.35E-06	4.54E-06	1.89E-06	2.08E-06	3.98E-06	2.29E-07	3.38E-07	5.67E-07	1.99E-07	2.08E-07	4.07E-07
87	567165.89	4217072.46	2.23E-06	2.41E-06	4.64E-06	1.94E-06	2.13E-06	4.07E-06	2.34E-07	3.45E-07	5.80E-07	2.04E-07	2.13E-07	4.17E-07
88	567153.45	4217074.26	2.13E-06	2.30E-06	4.44E-06	1.85E-06	2.04E-06	3.89E-06	2.24E-07	3.30E-07	5.54E-07	1.95E-07	2.03E-07	3.98E-07
89	567269.48	4216998.11	1.59E-06	1.72E-06	3.31E-06	1.38E-06	1.52E-06	2.91E-06	1.67E-07	2.47E-07	4.14E-07	1.46E-07	1.52E-07	2.97E-07
90	567273.53	4217012.12	1.48E-06	1.60E-06	3.08E-06	1.29E-06	1.42E-06	2.70E-06	1.56E-07	2.30E-07	3.85E-07	1.35E-07	1.41E-07	2.77E-07
91	567265.77	4217022.26	1.55E-06	1.68E-06	3.23E-06	1.35E-06	1.48E-06	2.83E-06	1.63E-07	2.40E-07	4.03E-07	1.42E-07	1.48E-07	2.90E-07
92	567258.01	4217032.4	1.60E-06	1.73E-06	3.33E-06	1.39E-06	1.53E-06	2.92E-06	1.68E-07	2.48E-07	4.16E-07	1.46E-07	1.53E-07	2.99E-07
93	567250.25	4217042.54	1.63E-06	1.76E-06	3.38E-06	1.41E-06	1.55E-06	2.97E-06	1.71E-07	2.52E-07	4.23E-07	1.49E-07	1.55E-07	3.04E-07
94	567242.49	4217052.69	1.63E-06	1.76E-06	3.39E-06	1.41E-06	1.56E-06	2.97E-06	1.71E-07	2.52E-07	4.23E-07	1.49E-07	1.55E-07	3.04E-07
95	567234.73	4217062.83	1.60E-06	1.73E-06	3.33E-06	1.39E-06	1.53E-06	2.92E-06	1.68E-07	2.48E-07	4.15E-07	1.46E-07	1.52E-07	2.99E-07
96	567220.65	4217073.88	1.58E-06	1.71E-06	3.29E-06	1.37E-06	1.51E-06	2.89E-06	1.66E-07	2.45E-07	4.11E-07	1.45E-07	1.51E-07	2.95E-07
97	567208.01	4217075.71	1.67E-06	1.81E-06	3.48E-06	1.45E-06	1.60E-06	3.05E-06	1.75E-07	2.59E-07	4.34E-07	1.53E-07	1.59E-07	3.12E-07
98	567195.37	4217077.55	1.75E-06	1.89E-06	3.63E-06	1.52E-06	1.67E-06	3.18E-06	1.83E-07	2.70E-07	4.54E-07	1.60E-07	1.66E-07	3.26E-07
99	567182.73	4217079.38	1.79E-06	1.93E-06	3.72E-06	1.55E-06	1.71E-06	3.26E-06	1.88E-07	2.77E-07	4.65E-07	1.64E-07	1.71E-07	3.34E-07
100	567170.09	4217081.21	1.78E-06	1.92E-06	3.69E-06	1.54E-06	1.70E-06	3.24E-06	1.86E-07	2.75E-07	4.61E-07	1.62E-07	1.69E-07	3.32E-07
101	567157.45	4217083.04	1.66E-06	1.79E-06	3.46E-06	1.44E-06	1.59E-06	3.03E-06	1.74E-07	2.57E-07	4.32E-07	1.52E-07	1.58E-07	3.10E-07
102	567279.13	4217000.75	1.43E-06	1.54E-06	2.97E-06	1.24E-06	1.36E-06	2.60E-06	1.50E-07	2.21E-07	3.71E-07	1.30E-07	1.36E-07	2.66E-07
103	567283.13	4217014.82	1.34E-06	1.45E-06	2.79E-06	1.16E-06	1.28E-06	2.44E-06	1.41E-07	2.07E-07	3.48E-07	1.22E-07	1.28E-07	2.50E-07
104	567275.27	4217025.09	1.41E-06	1.52E-06	2.93E-06	1.22E-06	1.34E-06	2.56E-06	1.48E-07	2.18E-07	3.65E-07	1.28E-07	1.34E-07	2.63E-07
105	567267.41	4217035.36	1.45E-06	1.57E-06	3.02E-06	1.26E-06	1.39E-06	2.65E-06	1.53E-07	2.25E-07	3.78E-07	1.33E-07	1.39E-07	2.71E-07
106	567259.54	4217045.64	1.48E-06	1.60E-06	3.08E-06	1.28E-06	1.41E-06	2.70E-06	1.55E-07	2.29E-07	3.85E-07	1.35E-07	1.41E-07	2.76E-07
107	567251.68	4217055.91	1.48E-06	1.60E-06	3.08E-06	1.29E-06	1.42E-06	2.70E-06	1.56E-07	2.30E-07	3.85E-07	1.35E-07	1.41E-07	2.77E-07
108	567243.82	4217066.18	1.46E-06	1.57E-06	3.03E-06	1.27E-06	1.39E-06	2.66E-06	1.53E-07	2.26E-07	3.79E-07	1.33E-07	1.39E-07	2.72E-07
109	567235.96	4217076.46	1.40E-06	1.51E-06	2.92E-06	1.22E-06	1.34E-06	2.56E-06	1.47E-07	2.17E-07	3.64E-07	1.28E-07	1.34E-07	2.62E-07
110	567225.63	4217082.52	1.39E-06	1.50E-06	2.90E-06	1.21E-06	1.33E-06	2.54E-06	1.46E-07	2.16E-07	3.62E-07	1.27E-07	1.33E-07	2.60E-07
111	567212.82	4217084.37	1.45E-06	1.56E-06	3.01E-06	1.26E-06	1.38E-06	2.64E-06	1.52E-07	2.24E-07	3.76E-07	1.32E-07	1.38E-07	2.71E-07
112	567200.02	4217086.23	1.49E-06	1.60E-06	3.09E-06	1.29E-06	1.42E-06	2.71E-06	1.56E-07	2.30E-07	3.86E-07	1.36E-07	1.42E-07	2.77E-07
113	567187.22	4217088.08	1.49E-06	1.61E-06	3.10E-06	1.29E-06	1.43E-06	2.72E-06	1.56E-07	2.31E-07	3.87E-07	1.36E-07	1.42E-07	2.78E-07
114	567174.42	4217089.94	1.45E-06	1.56E-06	3.01E-06	1.26E-06	1.38E-06	2.64E-06	1.52E-07	2.24E-07	3.76E-07	1.32E-07	1.38E-07	2.70E-07
115	567161.61	4217091.79	1.34E-06	1.44E-06	2.78E-06	1.16E-06	1.28E-06	2.44E-06	1.40E-07	2.07E-07	3.48E-07	1.22E-07	1.28E-07	2.50E-07
116	567148.81	4217093.65	1.17E-06	1.26E-06	2.43E-06	1.02E-06	1.12E-06	2.13E-06	1.23E-07	1.81E-07	3.04E-07	1.07E-07	1.12E-07	2.19E-07
117	567288.78	4217003.38	1.28E-06	1.39E-06	2.67E-06	1.11E-06	1.23E-06	2.34E-06	1.35E-07	1.99E-07	3.33E-07	1.17E-07	1.22E-07	2.40E-07
118	567292.98	4217017.18	1.21E-06	1.31E-06	2.52E-06	1.05E-06	1.16E-06	2.21E-06	1.27E-07	1.88E-07	3.15E-07	1.11E-07	1.16E-07	2.26E-07
119	567285.53	4217026.92	1.27E-06	1.38E-06	2.65E-06	1.11E-06	1.22E-06	2.32E-06	1.34E-07	1.97E-07	3.31E-07	1.16E-07	1.21E-07	2.38E-07
120	567278.08	4217036.66	1.32E-06	1.43E-06	2.75E-06	1.15E-06	1.26E-06	2.41E-06	1.39E-07	2.04E-07	3.43E-07	1.21E-07	1.26E-07	2.46E-07
121	567270.62	4217046.4	1.35E-06	1.46E-06	2.81E-06	1.17E-06	1.29E-06	2.46E-06	1.42E-07	2.09E-07	3.50E-07	1.23E-07	1.29E-07	2.52E-07
122	567263.17	4217056.13	1.36E-06	1.47E-06	2.83E-06	1.18E-06	1.30E-06	2.48E-06	1.43E-07	2.10E-07	3.53E-07	1.24E-07	1.30E-07	2.54E-07
123	567255.72	4217065.87	1.35E-06	1.45E-06	2.80E-06	1.17E-06	1.29E-06	2.46E-06	1.41E-07	2.08E-07	3.50E-07	1.23E-07	1.28E-07	2.51E-07
124	567248.27	4217075.61	1.31E-06	1.42E-06	2.73E-06	1.14E-06	1.25E-06	2.39E-06	1.38E-07	2.03E-07	3.41E-07	1.20E-07	1.25E-07	2.45E-07
125	567240.82	4217085.35	1.25E-06	1.35E-06	2.60E-06	1.09E-06	1.20E-06	2.28E-06	1.31E-07	1.94E-07	3.25E-07	1.14E-07	1.19E-07	2.34E-07
126	567231.02	4217091.1	1.23E-06	1.33E-06	2.56E-06	1.07E-06	1.18E-06	2.24E-06	1.29E-07	1.91E-07	3.20E-07	1.12E-07	1.17E-07	2.30E-07
127	567218.89	4217092.85	1.26E-06	1.36E-06	2.62E-06	1.09E-06	1.21E-06	2.30E-06	1.32E-07	1.95E-07	3.28E-07	1.15E-07	1.20E-07	2.36E-07
128	567206.75	4217094.61	1.27E-06	1.38E-06	2.65E-06	1.11E-06	1.22E-06	2.32E-06	1.34E-07	1.97E-07	3.31E-07	1.16E-07	1.22E-07	2.38E-07
129	567194.61	4217096.37	1.27E-06	1.37E-06	2.63E-06	1.10E-06	1.21E-06	2.31E-06	1.33E-07	1.96E-07	3.29E-07	1.16E-07	1.21E-07	2.36E-07
130	567182.48	4217098.13	1.22E-06	1.32E-06	2.55E-06	1.06E-06	1.17E-06	2.23E-06	1.28E-07	1.90E-07	3.18E-07	1.12E-07	1.17E-07	2.29E-07
131	567170.34	4217099.88	1.14E-06	1.23E-06	2.38E-06	9.92E-07	1.09E-06	2.08E-06	1.20E-07	1.77E-07	2.97E-07	1.04E-07	1.09E-07	2.13E-07
132	567298.43	4217006.01	1.16E-06	1.25E-06	2.41E-06	1.01E-06	1.11E-06	2.11E-06	1.22E-07	1.80E-07	3.01E-07	1.06E-07	1.11E-07	2.17E-07
133	567302.58	4217019.88	1.10E-06	1.19E-06	2.29E-06	9.57E-07	1.05E-06	2.01E-06	1.16E-07	1.71E-07	2.87E-07	1.01E-07	1.05E-07	2.06E-07
134	567295.02	4217029.75	1.16E-06	1.26E-06	2.42E-06	1.01E-06	1.11E-06	2.12E-06	1.22E-07	1.80E-07	3.02E-07	1.06E-07	1.11E-07	2.17E-07
135	567287.47	4217039.62	1.21E-06	1.30E-06	2.51E-06	1.05E-06	1.15E-06	2.20E-06	1.27E-07	1.87E-07	3.14E-07	1.10E-07	1.15E-07	2.26E-07
136	567279.92	4217049.49	1.24E-06	1.34E-06	2.57E-06	1.07E-06	1.18E-06	2.25E-06	1.30E-07	1.91E-07	3.21E-07	1.13E-07	1.18E-07	2.31E-07
137	567272.36	4217059.36	1.25E-06	1.35E-06	2.59E-06	1.08E-06	1.19E-06	2.27E-06	1.31E-07	1.93E-07	3.24E-07	1.14E-07	1.19E-07	2.33E-07
138	567264.81	4217069.23	1.24E-06	1.34E-06	2.58E-06	1.07E-06	1.18E-06	2.26E-06	1.30E-07	1.92E-07	3.22E-07	1.13E-07	1.18E-07	2.31E-07
139	567257.26	4217079.1	1.21E-06	1.30E-06	2.51E-06	1.05E-06	1.15E-06	2.20E-06	1.27E-07	1.87E-07	3.14E-07	1.10E-07	1.15E-07	2.26E-07
140	567249.7	4217088.97	1.16E-06	1.25E-06	2.40E-06	1.00E-06	1.10E-06	2.11E-06	1.21E-07	1.79E-07	3.00E-07	1.06E-07	1.10E-07	2.16E-07
141	567236	4217099.73	1.09E-06	1.18E-06	2.27E-06	9.48E-07	1.04E-06	1.99E-06	1.15E-07	1.69E-07	2.84E-07	9.98E-08	1.04E-07	2.04E-07
142	567223.7	4217101.51	1.11E-06	1.20E-06	2.30E-06	9.61E-07	1.06E-06	2.02E-06	1.16E-07	1.72E-07	2.88E-07	1.01E-07	1.06E-07	2.07E-07
143	567211.4	4217103.3	1.11E-06	1.19E-06	2.30E-06	9.60E-07	1.06E-06	2.02E-06	1.16E-07	1.71E-07	2.87E-07	1.01E-07	1.05E-07	2.07E-07
144	567199.1	4217105.08	1.09E-06	1.17E-06	2.26E-06	9.42E-07	1.04E-06	1.98E-06	1.14E-07	1.68E-07	2.82E-07	9.91E-08	1.03E-07	2.03E-07
145	567149.9	4217112.2	7.45E-07	8.04E-07	1.55E-06	6.46E-07	7.11E-07	1.36E-06	7.81E-08	1.15E-07	1.93E-07	6.80E-08	7.10E-08	1.39E-07
146	567308.07	4217008.64	1.05E-06	1.14E-06	2.19E-06	9.13E-07	1.00E-06	1.92E-06	1.10E-07	1.63E-07	2.73E-07	9.61E-08	1.00E-07	1.96E-07
147	567312.18	4217022.57	1.01E-06	1.09E-06	2.10E-06	8.74E-07	9.62E-07	1.84E-06	1.06E-07	1.56E-07	2.62E-07	9.20E-08	9.60E-08	1.88E-07
148	567304.54	4217032.56	1.06E-06	1.15E-06	2.21E-06	9.23E-07	1.02E-06	1.94E-06	1.12E-07	1.65E-07	2.76E-07	9.72E-08	1.01E-07	1.99E-07
149	567296.89	4217042.55	1.11E-06	1.20E-06	2.31E-06	9.62E-07	1.06E-06	2.02E-06	1.16E-07	1.72E-07	2.88E-07	1.01E-07	1.06E-07	2.07E-07
150	567289.25	4217052.53	1.14E-06	1.23E-06	2.37E-06	9.87E-07	1.09E-06	2.07E-06	1.19E-07	1.76E-07	2.95E-07	1.04E-07	1.08E-07	2.12E-07

151	567281.61	4217062.52	1.15E-06	1.24E-06	2.39E-06	9.97E-07	1.10E-06	2.10E-06	1.21E-07	1.78E-07	2.99E-07	1.05E-07	1.10E-07	2.15E-07
152	567273.96	4217072.51	1.14E-06	1.23E-06	2.38E-06	9.92E-07	1.09E-06	2.08E-06	1.20E-07	1.77E-07	2.97E-07	1.04E-07	1.09E-07	2.13E-07
153	567266.32	4217082.5	1.12E-06	1.21E-06	2.33E-06	9.70E-07	1.07E-06	2.04E-06	1.17E-07	1.73E-07	2.90E-07	1.02E-07	1.07E-07	2.09E-07
154	567258.68	4217092.49	1.07E-06	1.16E-06	2.23E-06	9.31E-07	1.02E-06	1.96E-06	1.13E-07	1.66E-07	2.79E-07	9.80E-08	1.02E-07	2.00E-07
155	567251.03	4217102.47	1.01E-06	1.09E-06	2.09E-06	8.73E-07	9.62E-07	1.83E-06	1.06E-07	1.56E-07	2.61E-07	9.19E-08	9.59E-08	1.88E-07
156	567240.99	4217108.37	9.73E-07	1.05E-06	2.02E-06	8.44E-07	9.30E-07	1.77E-06	1.02E-07	1.51E-07	2.53E-07	8.89E-08	9.28E-08	1.82E-07
157	567228.54	4217110.17	9.78E-07	1.06E-06	2.03E-06	8.49E-07	9.34E-07	1.78E-06	1.03E-07	1.51E-07	2.54E-07	8.93E-08	9.32E-08	1.83E-07
158	567216.09	4217111.97	9.67E-07	1.04E-06	2.01E-06	8.39E-07	9.24E-07	1.76E-06	1.01E-07	1.50E-07	2.51E-07	8.84E-08	9.22E-08	1.81E-07
159	567166.31	4217119.18	7.28E-07	7.86E-07	1.51E-06	6.31E-07	6.95E-07	1.33E-06	7.63E-08	1.13E-07	1.89E-07	6.65E-08	6.94E-08	1.36E-07
160	567153.86	4217120.99	6.34E-07	6.84E-07	1.32E-06	5.50E-07	6.06E-07	1.16E-06	6.65E-08	9.81E-08	1.65E-07	5.79E-08	6.04E-08	1.18E-07
161	567141.41	4217122.79	5.45E-07	5.88E-07	1.13E-06	4.73E-07	5.20E-07	9.93E-07	5.71E-08	8.43E-08	1.41E-07	4.97E-08	5.19E-08	1.02E-07
162	567317.72	4217011.27	9.58E-07	1.03E-06	1.99E-06	8.31E-07	9.15E-07	1.75E-06	1.00E-07	1.48E-07	2.49E-07	8.75E-08	9.13E-08	1.79E-07
163	567321.79	4217025.26	9.23E-07	9.96E-07	1.92E-06	8.01E-07	8.82E-07	1.68E-06	9.68E-08	1.43E-07	2.40E-07	8.43E-08	8.80E-08	1.72E-07
164	567314.06	4217035.35	9.77E-07	1.05E-06	2.03E-06	8.48E-07	9.33E-07	1.78E-06	1.02E-07	1.51E-07	2.54E-07	8.92E-08	9.31E-08	1.82E-07
165	567306.34	4217045.44	1.02E-06	1.10E-06	2.12E-06	8.85E-07	9.74E-07	1.86E-06	1.07E-07	1.58E-07	2.65E-07	9.31E-08	9.72E-08	1.90E-07
166	567298.62	4217055.53	1.05E-06	1.13E-06	2.18E-06	9.10E-07	1.00E-06	1.91E-06	1.10E-07	1.62E-07	2.72E-07	9.58E-08	1.00E-07	1.96E-07
167	567290.89	4217065.63	1.06E-06	1.15E-06	2.21E-06	9.22E-07	1.01E-06	1.94E-06	1.11E-07	1.64E-07	2.76E-07	9.70E-08	1.01E-07	1.98E-07
168	567283.17	4217075.72	1.06E-06	1.14E-06	2.20E-06	9.19E-07	1.01E-06	1.93E-06	1.11E-07	1.64E-07	2.75E-07	9.68E-08	1.01E-07	1.98E-07
169	567275.44	4217085.81	1.04E-06	1.12E-06	2.16E-06	9.01E-07	9.92E-07	1.89E-06	1.09E-07	1.61E-07	2.70E-07	9.49E-08	9.90E-08	1.94E-07
170	567267.72	4217095.91	9.99E-07	1.08E-06	2.08E-06	8.67E-07	9.55E-07	1.82E-06	1.05E-07	1.55E-07	2.59E-07	9.13E-08	9.53E-08	1.87E-07
171	567260	4217106	9.42E-07	1.02E-06	1.96E-06	8.17E-07	8.99E-07	1.72E-06	9.88E-08	1.46E-07	2.45E-07	8.60E-08	8.98E-08	1.76E-07
172	567245.98	4217117	8.70E-07	9.39E-07	1.81E-06	7.55E-07	8.31E-07	1.59E-06	9.13E-08	1.35E-07	2.26E-07	7.95E-08	8.30E-08	1.62E-07
173	567233.41	4217118.82	8.67E-07	9.36E-07	1.80E-06	7.52E-07	8.28E-07	1.58E-06	9.09E-08	1.34E-07	2.25E-07	7.92E-08	8.26E-08	1.62E-07
174	567195.67	4217124.29	7.67E-07	8.28E-07	1.59E-06	6.65E-07	7.32E-07	1.40E-06	8.04E-08	1.19E-07	1.99E-07	7.00E-08	7.31E-08	1.43E-07
175	567170.52	4217127.93	6.26E-07	6.76E-07	1.30E-06	5.43E-07	5.98E-07	1.14E-06	6.57E-08	9.69E-08	1.63E-07	5.72E-08	5.97E-08	1.17E-07
176	567157.94	4217129.75	5.47E-07	5.90E-07	1.14E-06	4.74E-07	5.22E-07	9.97E-07	5.73E-08	8.46E-08	1.42E-07	4.99E-08	5.21E-08	1.02E-07
177	567145.36	4217131.58	4.72E-07	5.09E-07	9.81E-07	4.09E-07	4.50E-07	8.60E-07	4.95E-08	7.30E-08	1.22E-07	4.31E-08	4.50E-08	8.80E-08
178	567327.37	4217013.9	8.75E-07	9.45E-07	1.82E-06	7.59E-07	8.36E-07	1.60E-06	9.18E-08	1.35E-07	2.27E-07	7.99E-08	8.34E-08	1.63E-07
179	567331.4	4217027.93	8.47E-07	9.15E-07	1.76E-06	7.35E-07	8.09E-07	1.54E-06	8.89E-08	1.31E-07	2.20E-07	7.74E-08	8.08E-08	1.58E-07
180	567323.6	4217038.12	8.99E-07	9.70E-07	1.87E-06	7.80E-07	8.59E-07	1.64E-06	9.43E-08	1.39E-07	2.33E-07	8.21E-08	8.57E-08	1.68E-07
181	567315.81	4217048.31	9.40E-07	1.01E-06	1.95E-06	8.15E-07	8.98E-07	1.71E-06	9.86E-08	1.45E-07	2.44E-07	8.58E-08	8.96E-08	1.75E-07
182	567308.01	4217058.5	9.69E-07	1.05E-06	2.02E-06	8.41E-07	9.26E-07	1.77E-06	1.02E-07	1.50E-07	2.52E-07	8.85E-08	9.24E-08	1.81E-07
183	567300.21	4217068.68	9.84E-07	1.06E-06	2.05E-06	8.54E-07	9.40E-07	1.79E-06	1.03E-07	1.52E-07	2.56E-07	8.99E-08	9.38E-08	1.84E-07
184	567292.42	4217078.87	9.84E-07	1.06E-06	2.05E-06	8.54E-07	9.40E-07	1.79E-06	1.03E-07	1.52E-07	2.55E-07	8.99E-08	9.38E-08	1.84E-07
185	567284.62	4217089.06	9.67E-07	1.04E-06	2.01E-06	8.39E-07	9.24E-07	1.76E-06	1.01E-07	1.50E-07	2.51E-07	8.83E-08	9.22E-08	1.81E-07
186	567276.83	4217099.25	9.34E-07	1.01E-06	1.94E-06	8.10E-07	8.92E-07	1.70E-06	9.79E-08	1.45E-07	2.42E-07	8.53E-08	8.90E-08	1.74E-07
187	567212.9	4217131.15	7.17E-07	7.73E-07	1.49E-06	6.22E-07	6.84E-07	1.31E-06	7.52E-08	1.11E-07	1.86E-07	6.54E-08	6.83E-08	1.34E-07
188	567200.2	4217132.99	6.69E-07	7.22E-07	1.39E-06	5.80E-07	6.39E-07	1.22E-06	7.02E-08	1.04E-07	1.74E-07	6.11E-08	6.38E-08	1.25E-07
189	567174.81	4217136.67	5.44E-07	5.87E-07	1.13E-06	4.72E-07	5.20E-07	9.92E-07	5.71E-08	8.42E-08	1.41E-07	4.97E-08	5.19E-08	1.02E-07
190	567162.12	4217138.51	4.77E-07	5.14E-07	9.91E-07	4.13E-07	4.55E-07	8.69E-07	5.00E-08	7.38E-08	1.24E-07	4.35E-08	4.54E-08	8.89E-08
191	567149.42	4217140.35	4.13E-07	4.46E-07	8.58E-07	3.58E-07	3.94E-07	7.53E-07	4.33E-08	6.39E-08	1.07E-07	3.77E-08	3.94E-08	7.71E-08
192	567136.72	4217142.18	3.58E-07	3.86E-07	7.44E-07	3.10E-07	3.42E-07	6.52E-07	3.75E-08	5.54E-08	9.29E-08	3.27E-08	3.41E-08	6.68E-08
193	567337.02	4217016.54	8.02E-07	8.66E-07	1.67E-06	6.96E-07	7.66E-07	1.46E-06	8.42E-08	1.24E-07	2.08E-07	7.33E-08	7.65E-08	1.50E-07
194	567341.01	4217030.61	7.80E-07	8.42E-07	1.62E-06	6.76E-07	7.45E-07	1.42E-06	8.18E-08	1.21E-07	2.02E-07	7.12E-08	7.43E-08	1.46E-07
195	567333.15	4217040.88	8.28E-07	8.94E-07	1.72E-06	7.19E-07	7.91E-07	1.51E-06	8.69E-08	1.28E-07	2.15E-07	7.57E-08	7.90E-08	1.55E-07
196	567325.29	4217051.16	8.68E-07	9.37E-07	1.81E-06	7.53E-07	8.29E-07	1.58E-06	9.11E-08	1.34E-07	2.25E-07	7.93E-08	8.28E-08	1.62E-07
197	567317.43	4217061.43	8.97E-07	9.69E-07	1.87E-06	7.79E-07	8.57E-07	1.64E-06	9.41E-08	1.39E-07	2.33E-07	8.20E-08	8.55E-08	1.68E-07
198	567309.57	4217071.7	9.14E-07	9.86E-07	1.90E-06	7.93E-07	8.73E-07	1.67E-06	9.58E-08	1.41E-07	2.37E-07	8.35E-08	8.71E-08	1.71E-07
199	567301.7	4217081.97	9.16E-07	9.89E-07	1.90E-06	7.95E-07	8.75E-07	1.67E-06	9.61E-08	1.42E-07	2.38E-07	8.37E-08	8.73E-08	1.71E-07
200	567293.84	4217092.25	9.03E-07	9.75E-07	1.88E-06	7.84E-07	8.63E-07	1.65E-06	9.47E-08	1.40E-07	2.35E-07	8.25E-08	8.61E-08	1.69E-07
201	567285.98	4217102.52	8.75E-07	9.44E-07	1.82E-06	7.59E-07	8.36E-07	1.59E-06	9.18E-08	1.35E-07	2.27E-07	7.99E-08	8.34E-08	1.63E-07
202	567278.12	4217112.79	8.31E-07	8.97E-07	1.73E-06	7.21E-07	7.94E-07	1.52E-06	8.72E-08	1.29E-07	2.16E-07	7.59E-08	7.92E-08	1.55E-07
203	567243.19	4217136.12	6.90E-07	7.45E-07	1.44E-06	5.99E-07	6.59E-07	1.26E-06	7.24E-08	1.07E-07	1.79E-07	6.31E-08	6.58E-08	1.29E-07
204	567230.39	4217137.98	6.67E-07	7.20E-07	1.39E-06	5.79E-07	6.37E-07	1.22E-06	7.00E-08	1.03E-07	1.73E-07	6.09E-08	6.36E-08	1.25E-07
205	567217.59	4217139.83	6.33E-07	6.83E-07	1.32E-06	5.49E-07	6.05E-07	1.15E-06	6.64E-08	9.80E-08	1.64E-07	5.78E-08	6.03E-08	1.18E-07
206	567204.78	4217141.68	5.88E-07	6.35E-07	1.22E-06	5.11E-07	5.62E-07	1.07E-06	6.17E-08	9.11E-08	1.53E-07	5.37E-08	5.61E-08	1.10E-07
207	567166.38	4217147.25	4.19E-07	4.53E-07	8.72E-07	3.64E-07	4.01E-07	7.64E-07	4.40E-08	6.49E-08	1.09E-07	3.83E-08	4.00E-08	7.83E-08
208	567153.57	4217149.1	3.65E-07	3.94E-07	7.59E-07	3.17E-07	3.49E-07	6.65E-07	3.83E-08	5.65E-08	9.47E-08	3.33E-08	3.48E-08	6.81E-08
209	567140.77	4217150.96	3.18E-07	3.43E-07	6.60E-07	2.76E-07	3.03E-07	5.79E-07	3.33E-08	4.92E-08	8.25E-08	2.90E-08	3.03E-08	5.93E-08
210	567346.66	4217019.17	7.38E-07	7.96E-07	1.53E-06	6.40E-07	7.05E-07	1.34E-06	7.74E-08	1.14E-07	1.92E-07	6.74E-08	7.03E-08	1.38E-07
211	567350.63	4217033.28	7.19E-07	7.76E-07	1.50E-06	6.24E-07	6.87E-07	1.31E-06	7.54E-08	1.11E-07	1.87E-07	6.57E-08	6.86E-08	1.34E-07
212	567342.71	4217043.63	7.65E-07	8.26E-07	1.59E-06	6.64E-07	7.31E-07	1.40E-06	8.03E-08	1.18E-07	1.99E-07	6.99E-08	7.30E-08	1.43E-07
213	567334.79	4217053.98	8.04E-07	8.68E-07	1.67E-06	6.97E-07	7.68E-07	1.47E-06	8.43E-08	1.24E-07	2.09E-07	7.34E-08	7.66E-08	1.50E-07
214	567326.87	4217064.33	8.33E-07	8.99E-07	1.73E-06	7.23E-07	7.96E-07	1.52E-06	8.74E-08	1.29E-07	2.16E-07	7.61E-08	7.94E-08	1.55E-07
215	567318.95	4217074.68	8.50E-07	9.18E-07	1.77E-06	7.38E-07	8.12E-07	1.55E-06	8.92E-08	1.32E-07	2.21E-07	7.77E-08	8.10E-08	1.59E-07
216	567311.02	4217085.03	8.55E-07	9.22E-07	1.78E-06	7.41E-07	8.16E-07	1.56E-06	8.96E-08	1.32E-07	2.22E-07	7.81E-08	8.14E-08	1.60E-07
217	567303.1	4217095.39	8.45E-07	9.12E-07	1.76E-06	7.33E-07	8.07E-07	1.54E-06	8.86E-08	1.31E-07	2.19E-07	7.72E-08	8.05E-08	1.58E-07
218	567295.18	4217105.74	8.21E-07	8.87E-07	1.71E-06	7.13E-07	7.84E-07	1.50E-06	8.61E-08	1.27E-07	2.13E-07	7.50E-08	7.83E-08	1.53E-07
219	567287.26	4217116.09	7.84E-07	8.46E-07	1.63E-06	6.80E-07	7.48E-07	1.43E-06	8.22E-08	1.21E-07	2.03E-07	7.16E-08	7.47E-08	1.46E-07
220	567279.34	4217126.44	7.33E-07	7.91E-07	1.52E-06	6.36E-07	7.00E-07	1.34E-06	7.69E-08	1.13E-07	1.90E-07	6.70E-08	6.99E-08	1.37E-07
221	567248.11	4217144.77	6.20E-07	6.69E-07	1.29E-06	5.38E-07	5.92E-07	1.13E-06	6.50E-08	9.59E-08	1.61E-07	5.66E-08	5.91E-08	1.16E-07
222	567235.21	4217146.64	5.96E-07	6.43E-07	1.24E-06	5.17E-07	5.69E-07	1.09E-06	6.25E-08	9.22E-08	1.55E-07	5.44E-08	5.68E-08	1.11E-07
223	567222.31	4217148.5	5.62E-07	6.07E-07	1.17E-06	4.88E-07	5.37E-07	1.03E-06	5.90E-08	8.71E-08	1.46E-07	5.14E-08	5.36E-08	1.05E-07
224	567209.41	4217150.37	5.21E-07	5.63E-07	1.08E-06	4.52E-07	4.98E-07	9.50E-07	5.47E-08	8.07E-08	1.35E-07	4.76E-08	4.97E-08	9.73E-08
225	567196.51	4217152.24	4.73E-07	5.11E-07	9.85E-07	4.11E-07	4.52E-07	8.63E-07	4.97E-08	7.33E-08	1.23E-07	4.32E-08	4.51E-08	8.84E-08
226	567170.71	4217155.98	3.72E-07	4.02E-07	7.73E-07	3.23E-07	3.55E-07	6.78E-07	3.90E-08	5.76E-08	9.66E-08	3.40E-08	3.55E-08	6.94E-08
227	567157.81	4217157.84	3.25E-07	3.51E-07	6.76E-07	2.82E-07	3.11E-07	5.93E-07	3.41E-08	5.03E-08	8.44E-08	2.97E-08	3.10E-08	6.07E-08

228	567144.91	4217159.71	2.84E-07	3.07E-07	5.91E-07	2.47E-07	2.72E-07	5.18E-07	2.98E-08	4.40E-08	7.38E-08	2.60E-08	2.71E-08	5.31E-08
229	567132.01	4217161.58	2.51E-07	2.71E-07	5.22E-07	2.18E-07	2.40E-07	4.57E-07	2.63E-08	3.88E-08	6.51E-08	2.29E-08	2.39E-08	4.68E-08
230	567356.31	4217021.8	6.80E-07	7.34E-07	1.41E-06	5.90E-07	6.49E-07	1.24E-06	7.13E-08	1.05E-07	1.77E-07	6.21E-08	6.48E-08	1.27E-07
231	567360.42	4217035.73	6.64E-07	7.17E-07	1.38E-06	5.76E-07	6.34E-07	1.21E-06	6.97E-08	1.03E-07	1.72E-07	6.07E-08	6.33E-08	1.24E-07
232	567352.77	4217045.72	7.06E-07	7.62E-07	1.47E-06	6.13E-07	6.75E-07	1.29E-06	7.41E-08	1.09E-07	1.83E-07	6.45E-08	6.73E-08	1.32E-07
233	567345.13	4217055.71	7.42E-07	8.01E-07	1.54E-06	6.44E-07	7.09E-07	1.35E-06	7.78E-08	1.15E-07	1.93E-07	6.78E-08	7.07E-08	1.39E-07
234	567337.49	4217065.69	7.71E-07	8.32E-07	1.60E-06	6.69E-07	7.36E-07	1.41E-06	8.09E-08	1.19E-07	2.00E-07	7.04E-08	7.35E-08	1.44E-07
235	567329.84	4217075.68	7.90E-07	8.53E-07	1.64E-06	6.86E-07	7.55E-07	1.44E-06	8.29E-08	1.22E-07	2.05E-07	7.22E-08	7.53E-08	1.47E-07
236	567322.2	4217085.67	7.98E-07	8.62E-07	1.66E-06	6.93E-07	7.63E-07	1.46E-06	8.37E-08	1.24E-07	2.07E-07	7.29E-08	7.61E-08	1.49E-07
237	567314.56	4217095.66	7.95E-07	8.58E-07	1.65E-06	6.90E-07	7.59E-07	1.45E-06	8.34E-08	1.23E-07	2.06E-07	7.26E-08	7.58E-08	1.48E-07
238	567306.91	4217105.64	7.80E-07	8.42E-07	1.62E-06	6.77E-07	7.45E-07	1.42E-06	8.18E-08	1.21E-07	2.03E-07	7.13E-08	7.44E-08	1.46E-07
239	567299.27	4217115.63	7.53E-07	8.13E-07	1.57E-06	6.53E-07	7.19E-07	1.37E-06	7.90E-08	1.17E-07	1.96E-07	6.88E-08	7.18E-08	1.41E-07
240	567291.63	4217125.62	7.15E-07	7.71E-07	1.49E-06	6.20E-07	6.83E-07	1.30E-06	7.50E-08	1.11E-07	1.86E-07	6.53E-08	6.81E-08	1.33E-07
241	567276.34	4217145.6	6.11E-07	6.59E-07	1.27E-06	5.30E-07	5.83E-07	1.11E-06	6.41E-08	9.45E-08	1.59E-07	5.58E-08	5.82E-08	1.14E-07
242	567266.3	4217151.49	5.76E-07	6.22E-07	1.20E-06	5.00E-07	5.50E-07	1.05E-06	6.04E-08	8.91E-08	1.50E-07	5.26E-08	5.49E-08	1.07E-07
243	567253.85	4217153.29	5.60E-07	6.05E-07	1.16E-06	4.86E-07	5.35E-07	1.02E-06	5.87E-08	8.67E-08	1.45E-07	5.12E-08	5.34E-08	1.05E-07
244	567241.4	4217155.1	5.37E-07	5.80E-07	1.12E-06	4.66E-07	5.13E-07	9.79E-07	5.64E-08	8.32E-08	1.40E-07	4.91E-08	5.12E-08	1.00E-07
245	567228.96	4217156.9	5.08E-07	5.48E-07	1.06E-06	4.40E-07	4.85E-07	9.25E-07	5.32E-08	7.86E-08	1.32E-07	4.64E-08	4.84E-08	9.48E-08
246	567216.51	4217158.7	4.72E-07	5.10E-07	9.82E-07	4.10E-07	4.51E-07	8.60E-07	4.95E-08	7.31E-08	1.23E-07	4.31E-08	4.50E-08	8.81E-08
247	567204.06	4217160.5	4.32E-07	4.66E-07	8.98E-07	3.75E-07	4.12E-07	7.87E-07	4.53E-08	6.68E-08	1.12E-07	3.94E-08	4.11E-08	8.06E-08
248	567166.72	4217165.91	3.06E-07	3.30E-07	6.35E-07	2.65E-07	2.92E-07	5.57E-07	3.20E-08	4.73E-08	7.93E-08	2.79E-08	2.91E-08	5.70E-08
249	567154.27	4217167.71	2.69E-07	2.91E-07	5.60E-07	2.34E-07	2.57E-07	4.91E-07	2.83E-08	4.17E-08	7.00E-08	2.46E-08	2.57E-08	5.03E-08
250	567141.83	4217169.52	2.39E-07	2.58E-07	4.97E-07	2.07E-07	2.28E-07	4.36E-07	2.51E-08	3.70E-08	6.21E-08	2.18E-08	2.28E-08	4.46E-08
251	567129.38	4217171.32	2.14E-07	2.31E-07	4.46E-07	1.86E-07	2.05E-07	3.91E-07	2.25E-08	3.32E-08	5.56E-08	1.96E-08	2.04E-08	4.00E-08
252	567365.96	4217024.43	6.28E-07	6.78E-07	1.31E-06	5.45E-07	6.00E-07	1.14E-06	6.59E-08	9.72E-08	1.63E-07	5.74E-08	5.99E-08	1.17E-07
253	567370.03	4217038.4	6.16E-07	6.65E-07	1.28E-06	5.34E-07	5.88E-07	1.12E-06	6.46E-08	9.53E-08	1.60E-07	5.62E-08	5.87E-08	1.15E-07
254	567362.33	4217048.47	6.55E-07	7.07E-07	1.36E-06	5.69E-07	6.26E-07	1.19E-06	6.87E-08	1.01E-07	1.70E-07	5.99E-08	6.25E-08	1.22E-07
255	567354.63	4217058.54	6.90E-07	7.45E-07	1.43E-06	5.99E-07	6.59E-07	1.26E-06	7.24E-08	1.07E-07	1.79E-07	6.30E-08	6.58E-08	1.29E-07
256	567346.92	4217068.61	7.18E-07	7.75E-07	1.49E-06	6.23E-07	6.86E-07	1.31E-06	7.53E-08	1.11E-07	1.86E-07	6.56E-08	6.84E-08	1.34E-07
257	567339.22	4217078.67	7.37E-07	7.96E-07	1.53E-06	6.40E-07	7.04E-07	1.34E-06	7.74E-08	1.14E-07	1.92E-07	6.74E-08	7.03E-08	1.38E-07
258	567331.51	4217088.74	7.47E-07	8.06E-07	1.55E-06	6.48E-07	7.14E-07	1.36E-06	7.84E-08	1.16E-07	1.94E-07	6.82E-08	7.12E-08	1.39E-07
259	567323.81	4217098.81	7.46E-07	8.05E-07	1.55E-06	6.47E-07	7.12E-07	1.36E-06	7.82E-08	1.15E-07	1.94E-07	6.81E-08	7.11E-08	1.39E-07
260	567316.1	4217108.88	7.34E-07	7.92E-07	1.53E-06	6.37E-07	7.01E-07	1.34E-06	7.70E-08	1.14E-07	1.91E-07	6.70E-08	6.99E-08	1.37E-07
261	567308.4	4217118.94	7.11E-07	7.67E-07	1.48E-06	6.17E-07	6.79E-07	1.30E-06	7.46E-08	1.10E-07	1.85E-07	6.49E-08	6.77E-08	1.33E-07
262	567300.69	4217129.01	6.77E-07	7.31E-07	1.41E-06	5.88E-07	6.47E-07	1.23E-06	7.10E-08	1.05E-07	1.76E-07	6.19E-08	6.45E-08	1.26E-07
263	567285.29	4217149.15	5.84E-07	6.30E-07	1.21E-06	5.07E-07	5.58E-07	1.06E-06	6.13E-08	9.04E-08	1.52E-07	5.34E-08	5.57E-08	1.09E-07
264	567271.31	4217160.12	5.23E-07	5.65E-07	1.09E-06	4.54E-07	5.00E-07	9.54E-07	5.49E-08	8.10E-08	1.36E-07	4.78E-08	4.99E-08	9.77E-08
265	567246.21	4217163.76	4.84E-07	5.23E-07	1.01E-06	4.20E-07	4.63E-07	8.83E-07	5.08E-08	7.50E-08	1.26E-07	4.42E-08	4.62E-08	9.04E-08
266	567233.67	4217165.57	4.56E-07	4.92E-07	9.48E-07	3.96E-07	4.36E-07	8.31E-07	4.78E-08	7.06E-08	1.18E-07	4.17E-08	4.35E-08	8.51E-08
267	567221.12	4217167.39	4.23E-07	4.57E-07	8.79E-07	3.67E-07	4.04E-07	7.71E-07	4.44E-08	6.55E-08	1.10E-07	3.86E-08	4.03E-08	7.89E-08
268	567208.58	4217169.21	3.86E-07	4.17E-07	8.03E-07	3.35E-07	3.69E-07	7.04E-07	4.05E-08	5.98E-08	1.00E-07	3.53E-08	3.68E-08	7.21E-08
269	567196.03	4217171.03	3.48E-07	3.76E-07	7.24E-07	3.02E-07	3.32E-07	6.34E-07	3.65E-08	5.39E-08	9.04E-08	3.18E-08	3.32E-08	6.50E-08
270	567170.94	4217174.66	2.75E-07	2.97E-07	5.71E-07	2.38E-07	2.63E-07	5.01E-07	2.88E-08	4.25E-08	7.14E-08	2.51E-08	2.62E-08	5.13E-08
271	567158.39	4217176.48	2.43E-07	2.63E-07	5.06E-07	2.11E-07	2.32E-07	4.44E-07	2.55E-08	3.77E-08	6.32E-08	2.22E-08	2.32E-08	4.54E-08
272	567145.84	4217178.29	2.17E-07	2.34E-07	4.51E-07	1.88E-07	2.07E-07	3.95E-07	2.27E-08	3.35E-08	5.63E-08	1.98E-08	2.07E-08	4.04E-08
273	567133.3	4217180.11	1.95E-07	2.10E-07	4.05E-07	1.69E-07	1.86E-07	3.55E-07	2.05E-08	3.02E-08	5.06E-08	1.78E-08	1.86E-08	3.64E-08
274	567375.61	4217027.06	5.82E-07	6.28E-07	1.21E-06	5.05E-07	5.56E-07	1.06E-06	6.10E-08	9.01E-08	1.51E-07	5.31E-08	5.55E-08	1.09E-07
275	567379.65	4217041.07	5.71E-07	6.16E-07	1.19E-06	4.95E-07	5.45E-07	1.04E-06	5.99E-08	8.84E-08	1.48E-07	5.22E-08	5.44E-08	1.07E-07
276	567371.89	4217051.21	6.09E-07	6.58E-07	1.27E-06	5.29E-07	5.82E-07	1.11E-06	6.39E-08	9.43E-08	1.58E-07	5.57E-08	5.81E-08	1.14E-07
277	567364.13	4217061.35	6.43E-07	6.94E-07	1.34E-06	5.58E-07	6.14E-07	1.17E-06	6.74E-08	9.95E-08	1.67E-07	5.87E-08	6.13E-08	1.20E-07
278	567356.37	4217071.5	6.70E-07	7.23E-07	1.39E-06	5.81E-07	6.40E-07	1.22E-06	7.03E-08	1.04E-07	1.74E-07	6.12E-08	6.39E-08	1.25E-07
279	567348.61	4217081.64	6.90E-07	7.44E-07	1.43E-06	5.98E-07	6.59E-07	1.26E-06	7.23E-08	1.07E-07	1.79E-07	6.30E-08	6.57E-08	1.29E-07
280	567340.85	4217091.78	7.00E-07	7.56E-07	1.46E-06	6.07E-07	6.69E-07	1.28E-06	7.34E-08	1.08E-07	1.82E-07	6.39E-08	6.67E-08	1.31E-07
281	567333.09	4217101.92	7.01E-07	7.56E-07	1.46E-06	6.08E-07	6.69E-07	1.28E-06	7.35E-08	1.08E-07	1.82E-07	6.40E-08	6.68E-08	1.31E-07
282	567325.33	4217112.06	6.91E-07	7.46E-07	1.44E-06	6.00E-07	6.60E-07	1.26E-06	7.25E-08	1.07E-07	1.80E-07	6.32E-08	6.59E-08	1.29E-07
283	567317.57	4217122.2	6.72E-07	7.25E-07	1.40E-06	5.83E-07	6.42E-07	1.22E-06	7.05E-08	1.04E-07	1.74E-07	6.14E-08	6.40E-08	1.25E-07
284	567309.81	4217132.34	6.43E-07	6.94E-07	1.34E-06	5.58E-07	6.14E-07	1.17E-06	6.74E-08	9.95E-08	1.67E-07	5.87E-08	6.13E-08	1.20E-07
285	567294.28	4217152.63	5.59E-07	6.04E-07	1.16E-06	4.85E-07	5.34E-07	1.02E-06	5.87E-08	8.66E-08	1.45E-07	5.11E-08	5.33E-08	1.04E-07
286	567286.52	4217162.77	5.10E-07	5.50E-07	1.06E-06	4.42E-07	4.87E-07	9.29E-07	5.35E-08	7.89E-08	1.32E-07	4.66E-08	4.86E-08	9.52E-08
287	567276.32	4217168.75	4.77E-07	5.15E-07	9.92E-07	4.14E-07	4.56E-07	8.70E-07	5.00E-08	7.38E-08	1.24E-07	4.36E-08	4.55E-08	8.90E-08
288	567251.05	4217172.41	4.38E-07	4.73E-07	9.11E-07	3.80E-07	4.19E-07	7.99E-07	4.60E-08	6.78E-08	1.14E-07	4.00E-08	4.18E-08	8.18E-08
289	567238.41	4217174.24	4.12E-07	4.44E-07	8.56E-07	3.57E-07	3.93E-07	7.50E-07	4.32E-08	6.37E-08	1.07E-07	3.76E-08	3.92E-08	7.68E-08
290	567225.77	4217176.08	3.81E-07	4.11E-07	7.92E-07	3.30E-07	3.64E-07	6.94E-07	3.99E-08	5.90E-08	9.89E-08	3.48E-08	3.63E-08	7.11E-08
291	567213.13	4217177.91	3.48E-07	3.75E-07	7.23E-07	3.02E-07	3.32E-07	6.34E-07	3.65E-08	5.38E-08	9.03E-08	3.18E-08	3.31E-08	6.49E-08
292	567200.49	4217179.74	3.13E-07	3.38E-07	6.52E-07	2.72E-07	2.99E-07	5.71E-07	3.29E-08	4.85E-08	8.14E-08	2.86E-08	2.99E-08	5.85E-08
293	567175.22	4217183.4	2.49E-07	2.68E-07	5.17E-07	2.16E-07	2.38E-07	4.53E-07	2.61E-08	3.85E-08	6.46E-08	2.27E-08	2.37E-08	4.64E-08
294	567162.58	4217185.23	2.21E-07	2.39E-07	4.60E-07	1.92E-07	2.11E-07	4.03E-07	2.32E-08	3.42E-08	5.74E-08	2.02E-08	2.11E-08	4.12E-08
295	567149.94	4217187.06	1.97E-07	2.13E-07	4.11E-07	1.71E-07	1.89E-07	3.60E-07	2.07E-08	3.06E-08	5.13E-08	1.80E-08	1.88E-08	3.69E-08
296	567137.3	4217188.89	1.78E-07	1.92E-07	3.71E-07	1.55E-07	1.70E-07	3.25E-07	1.87E-08	2.76E-08	4.63E-08	1.63E-08	1.70E-08	3.33E-08
297	567124.66	4217190.72	1.63E-07	1.76E-07	3.40E-07	1.42E-07	1.56E-07	2.98E-07	1.71E-08	2.53E-08	4.24E-08	1.49E-08	1.56E-08	3.05E-08
298	567385.25	4217029.7	5.39E-07	5.82E-07	1.12E-06	4.68E-07	5.15E-07	9.83E-07	5.66E-08	8.35E-08	1.40E-07	4.93E-08	5.14E-08	1.01E-07
299	567389.28	4217043.74	5.32E-07	5.74E-07	1.11E-06	4.61E-07	5.08E-07	9.69E-07	5.58E-08	8.23E-08	1.38E-07	4.86E-08	5.07E-08	9.92E-08
300	567381.46	4217053.95	5.67E-07	6.12E-07	1.18E-06	4.92E-07	5.41E-07	1.03E-06	5.94E-08	8.77E-08	1.47E-07	5.18E-08	5.40E-08	1.06E-07
301	567373.65	4217064.16	6.00E-07	6.47E-07	1.25E-06	5.20E-07	5.73E-07	1.09E-06	6.29E-08	9.28E-08	1.56E-07	5.48E-08	5.72E-08	1.12E-07
302	567365.84	4217074.37	6.26E-07	6.76E-07	1.30E-06	5.43E-07	5.98E-07	1.14E-06	6.57E-08	9.69E-08	1.63E-07	5.72E-08	5.97E-08	1.17E-07
303	567358.02	4217084.58	6.46E-07	6.97E-07	1.34E-06	5.60E-07	6.17E-07	1.18E-06	6.77E-08	9.99E-08	1.68E-07	5.90E-08	6.15E-08	1.21E-07
304	567350.21	4217094.79	6.57E-07	7.09E-07	1.37E-06	5.70E-07	6.28E-07	1.20E-06	6.89E-08	1.02E-07	1.71E-07	6.00E-08	6.26E-08	1.23E-07

305	567342.4	4217104.99	6.59E-07	7.12E-07	1.37E-06	5.72E-07	6.30E-07	1.20E-06	6.92E-08	1.02E-07	1.71E-07	6.02E-08	6.29E-08	1.23E-07
306	567334.58	4217115.2	6.52E-07	7.04E-07	1.36E-06	5.66E-07	6.23E-07	1.19E-06	6.84E-08	1.01E-07	1.69E-07	5.96E-08	6.22E-08	1.22E-07
307	567326.77	4217125.41	6.36E-07	6.87E-07	1.32E-06	5.52E-07	6.08E-07	1.16E-06	6.67E-08	9.85E-08	1.65E-07	5.81E-08	6.06E-08	1.19E-07
308	567318.96	4217135.62	6.11E-07	6.59E-07	1.27E-06	5.30E-07	5.83E-07	1.11E-06	6.40E-08	9.45E-08	1.59E-07	5.58E-08	5.82E-08	1.14E-07
309	567303.33	4217156.04	5.36E-07	5.79E-07	1.12E-06	4.65E-07	5.12E-07	9.78E-07	5.63E-08	8.30E-08	1.39E-07	4.90E-08	5.11E-08	1.00E-07
310	567295.52	4217166.25	4.91E-07	5.30E-07	1.02E-06	4.26E-07	4.69E-07	8.95E-07	5.15E-08	7.60E-08	1.28E-07	4.49E-08	4.68E-08	9.17E-08
311	567281.34	4217177.38	4.36E-07	4.71E-07	9.07E-07	3.78E-07	4.17E-07	7.95E-07	4.57E-08	6.75E-08	1.13E-07	3.98E-08	4.16E-08	8.14E-08
312	567268.62	4217179.23	4.19E-07	4.53E-07	8.72E-07	3.64E-07	4.00E-07	7.64E-07	4.40E-08	6.49E-08	1.09E-07	3.83E-08	4.00E-08	7.83E-08
313	567243.17	4217182.91	3.73E-07	4.03E-07	7.75E-07	3.24E-07	3.56E-07	6.80E-07	3.91E-08	5.77E-08	9.68E-08	3.41E-08	3.55E-08	6.96E-08
314	567230.45	4217184.76	3.45E-07	3.72E-07	7.17E-07	2.99E-07	3.29E-07	6.28E-07	3.62E-08	5.33E-08	8.95E-08	3.15E-08	3.29E-08	6.43E-08
315	567217.72	4217186.6	3.15E-07	3.40E-07	6.54E-07	2.73E-07	3.00E-07	5.73E-07	3.30E-08	4.87E-08	8.17E-08	2.87E-08	3.00E-08	5.87E-08
316	567205	4217188.44	2.84E-07	3.06E-07	5.90E-07	2.46E-07	2.71E-07	5.17E-07	2.98E-08	4.39E-08	7.37E-08	2.59E-08	2.71E-08	5.30E-08
317	567192.28	4217190.28	2.54E-07	2.74E-07	5.28E-07	2.20E-07	2.43E-07	4.63E-07	2.66E-08	3.93E-08	6.59E-08	2.32E-08	2.42E-08	4.74E-08
318	567166.83	4217193.97	2.02E-07	2.18E-07	4.19E-07	1.75E-07	1.93E-07	3.68E-07	2.12E-08	3.12E-08	5.24E-08	1.84E-08	1.92E-08	3.77E-08
319	567154.11	4217195.81	1.81E-07	1.95E-07	3.76E-07	1.57E-07	1.73E-07	3.30E-07	1.90E-08	2.80E-08	4.70E-08	1.65E-08	1.72E-08	3.38E-08
320	567141.38	4217197.65	1.64E-07	1.77E-07	3.41E-07	1.42E-07	1.56E-07	2.99E-07	1.72E-08	2.54E-08	4.25E-08	1.50E-08	1.56E-08	3.06E-08
321	567128.66	4217199.5	1.50E-07	1.62E-07	3.13E-07	1.30E-07	1.44E-07	2.74E-07	1.58E-08	2.33E-08	3.91E-08	1.37E-08	1.43E-08	2.81E-08
322	567394.9	4217032.33	5.02E-07	5.42E-07	1.04E-06	4.35E-07	4.79E-07	9.15E-07	5.26E-08	7.77E-08	1.30E-07	4.58E-08	4.78E-08	9.37E-08
323	567398.9	4217046.4	4.96E-07	5.35E-07	1.03E-06	4.30E-07	4.74E-07	9.04E-07	5.20E-08	7.68E-08	1.29E-07	4.53E-08	4.73E-08	9.26E-08
324	567391.04	4217056.67	5.29E-07	5.71E-07	1.10E-06	4.59E-07	5.05E-07	9.64E-07	5.55E-08	8.19E-08	1.37E-07	4.83E-08	5.04E-08	9.87E-08
325	567383.17	4217066.95	5.60E-07	6.05E-07	1.17E-06	4.86E-07	5.35E-07	1.02E-06	5.88E-08	8.68E-08	1.46E-07	5.12E-08	5.34E-08	1.05E-07
326	567375.31	4217077.22	5.86E-07	6.33E-07	1.22E-06	5.08E-07	5.60E-07	1.07E-06	6.15E-08	9.07E-08	1.52E-07	5.35E-08	5.59E-08	1.09E-07
327	567367.45	4217087.49	6.05E-07	6.54E-07	1.26E-06	5.25E-07	5.78E-07	1.10E-06	6.35E-08	9.37E-08	1.57E-07	5.53E-08	5.77E-08	1.13E-07
328	567359.59	4217097.77	6.18E-07	6.67E-07	1.28E-06	5.36E-07	5.90E-07	1.13E-06	6.48E-08	9.56E-08	1.60E-07	5.64E-08	5.89E-08	1.15E-07
329	567351.73	4217108.04	6.21E-07	6.71E-07	1.29E-06	5.39E-07	5.93E-07	1.13E-06	6.52E-08	9.62E-08	1.61E-07	5.68E-08	5.92E-08	1.16E-07
330	567343.87	4217118.31	6.16E-07	6.65E-07	1.28E-06	5.35E-07	5.89E-07	1.12E-06	6.47E-08	9.54E-08	1.60E-07	5.63E-08	5.88E-08	1.15E-07
331	567336	4217128.59	6.03E-07	6.51E-07	1.25E-06	5.23E-07	5.76E-07	1.10E-06	6.32E-08	9.33E-08	1.57E-07	5.51E-08	5.75E-08	1.13E-07
332	567328.14	4217138.86	5.81E-07	6.27E-07	1.21E-06	5.04E-07	5.55E-07	1.06E-06	6.09E-08	8.99E-08	1.51E-07	5.30E-08	5.54E-08	1.08E-07
333	567312.42	4217159.4	5.15E-07	5.56E-07	1.07E-06	4.47E-07	4.92E-07	9.38E-07	5.40E-08	7.97E-08	1.34E-07	4.70E-08	4.91E-08	9.61E-08
334	567304.56	4217169.68	4.74E-07	5.11E-07	9.85E-07	4.11E-07	4.53E-07	8.64E-07	4.97E-08	7.33E-08	1.23E-07	4.33E-08	4.52E-08	8.84E-08
335	567296.7	4217179.95	4.29E-07	4.63E-07	8.93E-07	3.73E-07	4.10E-07	7.83E-07	4.50E-08	6.65E-08	1.11E-07	3.92E-08	4.09E-08	8.01E-08
336	567286.36	4217186.01	4.00E-07	4.31E-07	8.31E-07	3.47E-07	3.82E-07	7.28E-07	4.19E-08	6.19E-08	1.04E-07	3.65E-08	3.81E-08	7.46E-08
337	567273.56	4217187.87	3.83E-07	4.14E-07	7.97E-07	3.32E-07	3.66E-07	6.98E-07	4.02E-08	5.93E-08	9.95E-08	3.50E-08	3.65E-08	7.15E-08
338	567247.96	4217191.58	3.39E-07	3.66E-07	7.05E-07	2.94E-07	3.24E-07	6.18E-07	3.56E-08	5.25E-08	8.81E-08	3.10E-08	3.23E-08	6.33E-08
339	567235.15	4217193.43	3.13E-07	3.38E-07	6.51E-07	2.72E-07	2.99E-07	5.71E-07	3.29E-08	4.85E-08	8.13E-08	2.86E-08	2.99E-08	5.85E-08
340	567222.35	4217195.29	2.86E-07	3.09E-07	5.94E-07	2.48E-07	2.73E-07	5.21E-07	3.00E-08	4.42E-08	7.42E-08	2.61E-08	2.72E-08	5.34E-08
341	567209.55	4217197.14	2.58E-07	2.79E-07	5.37E-07	2.24E-07	2.47E-07	4.71E-07	2.71E-08	4.00E-08	6.70E-08	2.36E-08	2.46E-08	4.82E-08
342	567196.75	4217198.99	2.32E-07	2.50E-07	4.81E-07	2.01E-07	2.21E-07	4.22E-07	2.43E-08	3.58E-08	6.01E-08	2.11E-08	2.21E-08	4.32E-08
343	567171.14	4217202.7	1.85E-07	2.00E-07	3.85E-07	1.60E-07	1.77E-07	3.37E-07	1.94E-08	2.86E-08	4.80E-08	1.69E-08	1.76E-08	3.45E-08
344	567158.34	4217204.56	1.66E-07	1.80E-07	3.46E-07	1.44E-07	1.59E-07	3.03E-07	1.74E-08	2.57E-08	4.32E-08	1.52E-08	1.59E-08	3.11E-08
345	567145.54	4217206.41	1.51E-07	1.63E-07	3.14E-07	1.31E-07	1.44E-07	2.75E-07	1.58E-08	2.34E-08	3.92E-08	1.38E-08	1.44E-08	2.82E-08
346	567132.73	4217208.26	1.39E-07	1.50E-07	2.89E-07	1.21E-07	1.33E-07	2.54E-07	1.46E-08	2.15E-08	3.61E-08	1.27E-08	1.33E-08	2.60E-08
347	567119.93	4217210.12	1.30E-07	1.40E-07	2.70E-07	1.13E-07	1.24E-07	2.37E-07	1.36E-08	2.01E-08	3.37E-08	1.19E-08	1.24E-08	2.42E-08
348	567404.55	4217034.96	4.68E-07	5.05E-07	9.73E-07	4.06E-07	4.47E-07	8.53E-07	4.91E-08	7.24E-08	1.22E-07	4.27E-08	4.46E-08	8.73E-08
349	567408.52	4217049.06	4.63E-07	5.00E-07	9.64E-07	4.02E-07	4.43E-07	8.45E-07	4.86E-08	7.17E-08	1.20E-07	4.23E-08	4.42E-08	8.65E-08
350	567400.62	4217059.39	4.95E-07	5.34E-07	1.03E-06	4.29E-07	4.72E-07	9.02E-07	5.19E-08	7.66E-08	1.28E-07	4.52E-08	4.71E-08	9.23E-08
351	567392.71	4217069.73	5.23E-07	5.65E-07	1.09E-06	4.54E-07	5.00E-07	9.54E-07	5.49E-08	8.10E-08	1.36E-07	4.78E-08	4.99E-08	9.77E-08
352	567384.8	4217080.06	5.49E-07	5.93E-07	1.14E-06	4.77E-07	5.25E-07	1.00E-06	5.76E-08	8.50E-08	1.43E-07	5.02E-08	5.24E-08	1.03E-07
353	567376.9	4217090.39	5.69E-07	6.14E-07	1.18E-06	4.93E-07	5.43E-07	1.04E-06	5.96E-08	8.80E-08	1.48E-07	5.19E-08	5.42E-08	1.06E-07
354	567368.99	4217100.72	5.81E-07	6.27E-07	1.21E-06	5.04E-07	5.55E-07	1.06E-06	6.10E-08	8.99E-08	1.51E-07	5.31E-08	5.54E-08	1.08E-07
355	567361.08	4217111.05	5.86E-07	6.33E-07	1.22E-06	5.09E-07	5.60E-07	1.07E-06	6.15E-08	9.07E-08	1.52E-07	5.35E-08	5.59E-08	1.09E-07
356	567353.17	4217121.39	5.83E-07	6.29E-07	1.21E-06	5.06E-07	5.57E-07	1.06E-06	6.12E-08	9.03E-08	1.51E-07	5.33E-08	5.56E-08	1.09E-07
357	567345.27	4217131.72	5.72E-07	6.17E-07	1.19E-06	4.96E-07	5.46E-07	1.04E-06	6.00E-08	8.85E-08	1.49E-07	5.22E-08	5.45E-08	1.07E-07
358	567337.36	4217142.05	5.53E-07	5.97E-07	1.15E-06	4.80E-07	5.28E-07	1.01E-06	5.80E-08	8.56E-08	1.44E-07	5.05E-08	5.27E-08	1.03E-07
359	567321.55	4217162.72	4.94E-07	5.33E-07	1.03E-06	4.29E-07	4.72E-07	9.01E-07	5.18E-08	7.65E-08	1.28E-07	4.51E-08	4.71E-08	9.22E-08
360	567313.64	4217173.05	4.57E-07	4.93E-07	9.51E-07	3.97E-07	4.37E-07	8.33E-07	4.79E-08	7.08E-08	1.19E-07	4.18E-08	4.36E-08	8.53E-08
361	567305.73	4217183.38	4.16E-07	4.50E-07	8.66E-07	3.61E-07	3.98E-07	7.59E-07	4.37E-08	6.45E-08	1.08E-07	3.80E-08	3.97E-08	7.77E-08
362	567291.39	4217194.64	3.67E-07	3.96E-07	7.64E-07	3.19E-07	3.51E-07	6.69E-07	3.85E-08	5.68E-08	9.54E-08	3.35E-08	3.50E-08	6.85E-08
363	567278.51	4217196.51	3.51E-07	3.79E-07	7.30E-07	3.05E-07	3.35E-07	6.40E-07	3.68E-08	5.43E-08	9.12E-08	3.21E-08	3.35E-08	6.55E-08
364	567252.76	4217200.24	3.10E-07	3.34E-07	6.44E-07	2.69E-07	2.96E-07	5.65E-07	3.25E-08	4.79E-08	8.04E-08	2.83E-08	2.95E-08	5.78E-08
365	567239.88	4217202.1	2.86E-07	3.09E-07	5.94E-07	2.48E-07	2.73E-07	5.21E-07	3.00E-08	4.42E-08	7.42E-08	2.61E-08	2.72E-08	5.34E-08
366	567227.01	4217203.97	2.61E-07	2.82E-07	5.42E-07	2.26E-07	2.49E-07	4.75E-07	2.74E-08	4.04E-08	6.77E-08	2.38E-08	2.49E-08	4.87E-08
367	567214.13	4217205.83	2.36E-07	2.55E-07	4.91E-07	2.05E-07	2.25E-07	4.30E-07	2.47E-08	3.65E-08	6.13E-08	2.15E-08	2.25E-08	4.40E-08
368	567201.26	4217207.7	2.12E-07	2.29E-07	4.41E-07	1.84E-07	2.02E-07	3.86E-07	2.22E-08	3.28E-08	5.50E-08	1.94E-08	2.02E-08	3.96E-08
369	567175.5	4217211.43	1.70E-07	1.84E-07	3.54E-07	1.48E-07	1.63E-07	3.10E-07	1.79E-08	2.64E-08	4.42E-08	1.56E-08	1.62E-08	3.18E-08
370	567162.63	4217213.29	1.54E-07	1.66E-07	3.19E-07	1.33E-07	1.47E-07	2.80E-07	1.61E-08	2.38E-08	3.99E-08	1.40E-08	1.46E-08	2.87E-08
371	567149.75	4217215.16	1.40E-07	1.51E-07	2.91E-07	1.21E-07	1.34E-07	2.55E-07	1.47E-08	2.17E-08	3.63E-08	1.28E-08	1.33E-08	2.61E-08
372	567136.88	4217217.02	1.29E-07	1.39E-07	2.68E-07	1.12E-07	1.23E-07	2.35E-07	1.35E-08	2.00E-08	3.35E-08	1.18E-08	1.23E-08	2.41E-08
373	567124	4217218.89	1.21E-07	1.30E-07	2.51E-07	1.05E-07	1.15E-07	2.20E-07	1.27E-08	1.87E-08	3.13E-08	1.10E-08	1.15E-08	2.25E-08
374	567410.59	4217061.61	4.62E-07	4.98E-07	9.60E-07	4.01E-07	4.41E-07	8.42E-07	4.84E-08	7.15E-08	1.20E-07	4.22E-08	4.40E-08	8.62E-08
375	567402.89	4217071.66	4.88E-07	5.27E-07	1.02E-06	4.24E-07	4.66E-07	8.90E-07	5.12E-08	7.56E-08	1.27E-07	4.46E-08	4.65E-08	9.11E-08
376	567395.2	4217081.71	5.12E-07	5.52E-07	1.06E-06	4.44E-07	4.89E-07	9.33E-07	5.37E-08	7.92E-08	1.33E-07	4.67E-08	4.88E-08	9.55E-08
377	567387.51	4217091.76	5.32E-07	5.74E-07	1.11E-06	4.62E-07	5.08E-07	9.70E-07	5.58E-08	8.23E-08	1.38E-07	4.86E-08	5.07E-08	9.93E-08
378	567379.81	4217101.81	5.46E-07	5.89E-07	1.13E-06	4.73E-07	5.21E-07	9.95E-07	5.72E-08	8.45E-08	1.42E-07	4.98E-08	5.20E-08	1.02E-07
379	567372.12	4217111.87	5.53E-07	5.97E-07	1.15E-06	4.80E-07	5.28E-07	1.01E-06	5.80E-08	8.56E-08	1.44E-07	5.05E-08	5.27E-08	1.03E-07
380	567364.43	4217121.92	5.53E-07	5.97E-07	1.15E-06	4.80E-07	5.28E-07	1.01E-06	5.80E-08	8.56E-08	1.44E-07	5.05E-08	5.27E-08	1.03E-07
381	567356.74	4217131.97	5.46E-07	5.90E-07	1.14E-06	4.74E-07	5.22E-07	9.96E-07	5.73E-08	8.46E-08	1.42E-07	4.99E-08	5.21E-08	1.02E-07

382	567349.04	4217142.02	5.33E-07	5.75E-07	1.11E-06	4.62E-07	5.09E-07	9.71E-07	5.59E-08	8.24E-08	1.38E-07	4.86E-08	5.08E-08	9.94E-08
383	567325.97	4217172.18	4.55E-07	4.91E-07	9.47E-07	3.95E-07	4.35E-07	8.30E-07	4.77E-08	7.05E-08	1.18E-07	4.16E-08	4.34E-08	8.50E-08
384	567318.27	4217182.23	4.21E-07	4.54E-07	8.74E-07	3.65E-07	4.02E-07	7.67E-07	4.41E-08	6.51E-08	1.09E-07	3.84E-08	4.01E-08	7.85E-08
385	567310.58	4217192.28	3.83E-07	4.14E-07	7.97E-07	3.33E-07	3.66E-07	6.99E-07	4.02E-08	5.93E-08	9.96E-08	3.50E-08	3.65E-08	7.16E-08
386	567296.62	4217203.24	3.39E-07	3.65E-07	7.04E-07	2.94E-07	3.23E-07	6.17E-07	3.55E-08	5.24E-08	8.79E-08	3.09E-08	3.23E-08	6.32E-08
387	567284.1	4217205.06	3.23E-07	3.49E-07	6.73E-07	2.81E-07	3.09E-07	5.90E-07	3.39E-08	5.01E-08	8.40E-08	2.95E-08	3.08E-08	6.04E-08
388	567271.57	4217206.87	3.06E-07	3.30E-07	6.36E-07	2.65E-07	2.92E-07	5.58E-07	3.21E-08	4.73E-08	7.94E-08	2.79E-08	2.92E-08	5.71E-08
389	567246.52	4217210.5	2.65E-07	2.86E-07	5.51E-07	2.30E-07	2.53E-07	4.83E-07	2.78E-08	4.10E-08	6.88E-08	2.42E-08	2.53E-08	4.95E-08
390	567233.99	4217212.31	2.43E-07	2.62E-07	5.05E-07	2.11E-07	2.32E-07	4.43E-07	2.55E-08	3.76E-08	6.31E-08	2.22E-08	2.32E-08	4.54E-08
391	567221.46	4217214.13	2.21E-07	2.39E-07	4.60E-07	1.92E-07	2.11E-07	4.03E-07	2.32E-08	3.42E-08	5.74E-08	2.02E-08	2.11E-08	4.13E-08
392	567208.93	4217215.94	2.00E-07	2.16E-07	4.16E-07	1.73E-07	1.91E-07	3.64E-07	2.10E-08	3.09E-08	5.19E-08	1.83E-08	1.91E-08	3.73E-08
393	567196.41	4217217.76	1.80E-07	1.94E-07	3.75E-07	1.56E-07	1.72E-07	3.28E-07	1.89E-08	2.79E-08	4.68E-08	1.65E-08	1.72E-08	3.36E-08
394	567171.35	4217221.39	1.47E-07	1.59E-07	3.06E-07	1.28E-07	1.41E-07	2.68E-07	1.54E-08	2.28E-08	3.82E-08	1.34E-08	1.40E-08	2.75E-08
395	567158.83	4217223.2	1.34E-07	1.45E-07	2.79E-07	1.17E-07	1.28E-07	2.45E-07	1.41E-08	2.08E-08	3.49E-08	1.23E-08	1.28E-08	2.51E-08
396	567146.3	4217225.02	1.24E-07	1.34E-07	2.58E-07	1.07E-07	1.18E-07	2.26E-07	1.30E-08	1.92E-08	3.22E-08	1.13E-08	1.18E-08	2.31E-08
397	567133.77	4217226.83	1.16E-07	1.25E-07	2.40E-07	1.00E-07	1.10E-07	2.11E-07	1.21E-08	1.79E-08	3.00E-08	1.06E-08	1.10E-08	2.16E-08
398	567121.24	4217228.64	1.09E-07	1.18E-07	2.27E-07	9.48E-08	1.04E-07	1.99E-07	1.15E-08	1.69E-08	2.84E-08	9.98E-09	1.04E-08	2.04E-08
399	567404.69	4217084.55	4.80E-07	5.19E-07	9.99E-07	4.17E-07	4.59E-07	8.76E-07	5.04E-08	7.44E-08	1.25E-07	4.39E-08	4.58E-08	8.97E-08
400	567396.95	4217094.67	5.00E-07	5.40E-07	1.04E-06	4.34E-07	4.78E-07	9.12E-07	5.25E-08	7.75E-08	1.30E-07	4.57E-08	4.77E-08	9.34E-08
401	567389.21	4217104.78	5.14E-07	5.55E-07	1.07E-06	4.46E-07	4.91E-07	9.38E-07	5.39E-08	7.96E-08	1.34E-07	4.70E-08	4.90E-08	9.60E-08
402	567381.47	4217114.89	5.22E-07	5.64E-07	1.09E-06	4.53E-07	4.99E-07	9.52E-07	5.48E-08	8.09E-08	1.36E-07	4.77E-08	4.98E-08	9.75E-08
403	567373.73	4217125	5.24E-07	5.66E-07	1.09E-06	4.55E-07	5.00E-07	9.55E-07	5.50E-08	8.11E-08	1.36E-07	4.79E-08	4.99E-08	9.78E-08
404	567365.99	4217135.12	5.19E-07	5.60E-07	1.08E-06	4.50E-07	4.96E-07	9.46E-07	5.44E-08	8.03E-08	1.35E-07	4.74E-08	4.95E-08	9.68E-08
405	567358.25	4217145.23	5.07E-07	5.47E-07	1.05E-06	4.40E-07	4.84E-07	9.24E-07	5.32E-08	7.85E-08	1.32E-07	4.63E-08	4.83E-08	9.47E-08
406	567327.3	4217185.68	4.07E-07	4.39E-07	8.46E-07	3.53E-07	3.88E-07	7.41E-07	4.26E-08	6.29E-08	1.06E-07	3.71E-08	3.88E-08	7.59E-08
407	567319.56	4217195.79	3.72E-07	4.02E-07	7.74E-07	3.23E-07	3.56E-07	6.79E-07	3.91E-08	5.76E-08	9.67E-08	3.40E-08	3.55E-08	6.95E-08
408	567311.82	4217205.9	3.37E-07	3.64E-07	7.00E-07	2.92E-07	3.22E-07	6.14E-07	3.53E-08	5.21E-08	8.75E-08	3.08E-08	3.21E-08	6.29E-08
409	567301.65	4217211.87	3.13E-07	3.37E-07	6.50E-07	2.71E-07	2.99E-07	5.70E-07	3.28E-08	4.84E-08	8.12E-08	2.85E-08	2.98E-08	5.83E-08
410	567289.05	4217213.7	2.98E-07	3.22E-07	6.20E-07	2.59E-07	2.85E-07	5.43E-07	3.13E-08	4.61E-08	7.74E-08	2.72E-08	2.84E-08	5.56E-08
411	567276.44	4217215.52	2.81E-07	3.04E-07	5.85E-07	2.44E-07	2.69E-07	5.13E-07	2.95E-08	4.36E-08	7.31E-08	2.57E-08	2.68E-08	5.25E-08
412	567251.24	4217219.17	2.43E-07	2.63E-07	5.06E-07	2.11E-07	2.33E-07	4.44E-07	2.55E-08	3.77E-08	6.32E-08	2.22E-08	2.32E-08	4.54E-08
413	567238.64	4217221	2.23E-07	2.41E-07	4.64E-07	1.94E-07	2.13E-07	4.07E-07	2.34E-08	3.46E-08	5.80E-08	2.04E-08	2.13E-08	4.17E-08
414	567226.03	4217222.82	2.03E-07	2.20E-07	4.23E-07	1.76E-07	1.94E-07	3.71E-07	2.13E-08	3.15E-08	5.28E-08	1.86E-08	1.94E-08	3.80E-08
415	567213.43	4217224.65	1.84E-07	1.99E-07	3.83E-07	1.60E-07	1.76E-07	3.36E-07	1.93E-08	2.85E-08	4.78E-08	1.68E-08	1.76E-08	3.44E-08
416	567200.83	4217226.47	1.66E-07	1.80E-07	3.46E-07	1.44E-07	1.59E-07	3.03E-07	1.74E-08	2.57E-08	4.32E-08	1.52E-08	1.59E-08	3.11E-08
417	567175.62	4217230.13	1.37E-07	1.47E-07	2.84E-07	1.18E-07	1.30E-07	2.49E-07	1.43E-08	2.11E-08	3.54E-08	1.25E-08	1.30E-08	2.55E-08
418	567163.02	4217231.95	1.25E-07	1.35E-07	2.60E-07	1.08E-07	1.19E-07	2.28E-07	1.31E-08	1.93E-08	3.24E-08	1.14E-08	1.19E-08	2.33E-08
419	567150.42	4217233.78	1.15E-07	1.25E-07	2.40E-07	1.00E-07	1.10E-07	2.11E-07	1.21E-08	1.79E-08	3.00E-08	1.05E-08	1.10E-08	2.16E-08
420	567137.82	4217235.6	1.08E-07	1.17E-07	2.25E-07	9.37E-08	1.03E-07	1.97E-07	1.13E-08	1.67E-08	2.80E-08	9.87E-09	1.03E-08	2.02E-08
421	567125.21	4217237.43	1.02E-07	1.10E-07	2.12E-07	8.87E-08	9.76E-08	1.86E-07	1.07E-08	1.58E-08	2.65E-08	9.33E-09	9.74E-09	1.91E-08
422	567437.53	4217056.88	3.85E-07	4.16E-07	8.01E-07	3.34E-07	3.68E-07	7.02E-07	4.04E-08	5.96E-08	1.00E-07	3.52E-08	3.67E-08	7.19E-08
423	567406.4	4217097.55	4.70E-07	5.07E-07	9.78E-07	4.08E-07	4.49E-07	8.57E-07	4.93E-08	7.28E-08	1.22E-07	4.29E-08	4.48E-08	8.77E-08
424	567398.62	4217107.72	4.85E-07	5.24E-07	1.01E-06	4.21E-07	4.63E-07	8.84E-07	5.09E-08	7.51E-08	1.26E-07	4.43E-08	4.62E-08	9.06E-08
425	567390.83	4217117.89	4.94E-07	5.33E-07	1.03E-06	4.29E-07	4.72E-07	9.00E-07	5.18E-08	7.65E-08	1.28E-07	4.51E-08	4.71E-08	9.22E-08
426	567383.05	4217128.06	4.97E-07	5.36E-07	1.03E-06	4.31E-07	4.74E-07	9.05E-07	5.21E-08	7.69E-08	1.29E-07	4.54E-08	4.73E-08	9.27E-08
427	567375.27	4217138.23	4.93E-07	5.32E-07	1.03E-06	4.28E-07	4.71E-07	8.99E-07	5.17E-08	7.63E-08	1.28E-07	4.50E-08	4.70E-08	9.20E-08
428	567367.49	4217148.4	4.83E-07	5.22E-07	1.01E-06	4.19E-07	4.62E-07	8.81E-07	5.07E-08	7.48E-08	1.26E-07	4.42E-08	4.61E-08	9.02E-08
429	567351.92	4217168.74	4.47E-07	4.82E-07	9.29E-07	3.88E-07	4.27E-07	8.15E-07	4.69E-08	6.92E-08	1.16E-07	4.08E-08	4.26E-08	8.34E-08
430	567328.58	4217199.25	3.62E-07	3.91E-07	7.52E-07	3.14E-07	3.46E-07	6.60E-07	3.80E-08	5.60E-08	9.40E-08	3.31E-08	3.45E-08	6.75E-08
431	567320.79	4217209.42	3.29E-07	3.55E-07	6.84E-07	2.85E-07	3.14E-07	5.99E-07	3.45E-08	5.09E-08	8.54E-08	3.00E-08	3.13E-08	6.14E-08
432	567306.67	4217220.5	2.89E-07	3.12E-07	6.01E-07	2.51E-07	2.76E-07	5.27E-07	3.03E-08	4.48E-08	7.51E-08	2.64E-08	2.76E-08	5.40E-08
433	567294	4217222.34	2.75E-07	2.97E-07	5.73E-07	2.39E-07	2.63E-07	5.02E-07	2.89E-08	4.26E-08	7.15E-08	2.51E-08	2.62E-08	5.14E-08
434	567281.33	4217224.17	2.60E-07	2.80E-07	5.40E-07	2.25E-07	2.48E-07	4.73E-07	2.72E-08	4.02E-08	6.74E-08	2.37E-08	2.47E-08	4.85E-08
435	567268.65	4217226.01	2.42E-07	2.62E-07	5.04E-07	2.10E-07	2.32E-07	4.42E-07	2.54E-08	3.75E-08	6.30E-08	2.21E-08	2.31E-08	4.53E-08
436	567243.31	4217229.68	2.06E-07	2.22E-07	4.28E-07	1.79E-07	1.97E-07	3.75E-07	2.16E-08	3.19E-08	5.35E-08	1.88E-08	1.96E-08	3.84E-08
437	567230.64	4217231.52	1.88E-07	2.03E-07	3.90E-07	1.63E-07	1.79E-07	3.42E-07	1.97E-08	2.90E-08	4.87E-08	1.71E-08	1.79E-08	3.50E-08
438	567217.96	4217233.35	1.70E-07	1.84E-07	3.54E-07	1.48E-07	1.63E-07	3.10E-07	1.79E-08	2.64E-08	4.42E-08	1.56E-08	1.62E-08	3.18E-08
439	567205.29	4217235.19	1.54E-07	1.66E-07	3.20E-07	1.34E-07	1.47E-07	2.81E-07	1.62E-08	2.39E-08	4.00E-08	1.41E-08	1.47E-08	2.88E-08
440	567192.62	4217237.02	1.40E-07	1.51E-07	2.90E-07	1.21E-07	1.33E-07	2.55E-07	1.46E-08	2.16E-08	3.63E-08	1.28E-08	1.33E-08	2.61E-08
441	567167.27	4217240.69	1.17E-07	1.26E-07	2.42E-07	1.01E-07	1.11E-07	2.12E-07	1.22E-08	1.80E-08	3.03E-08	1.06E-08	1.11E-08	2.18E-08
442	567154.6	4217242.53	1.08E-07	1.17E-07	2.24E-07	9.37E-08	1.03E-07	1.97E-07	1.13E-08	1.67E-08	2.80E-08	9.86E-09	1.03E-08	2.02E-08
443	567141.92	4217244.36	1.01E-07	1.09E-07	2.10E-07	8.77E-08	9.66E-08	1.84E-07	1.06E-08	1.57E-08	2.63E-08	9.24E-09	9.64E-09	1.89E-08
444	567129.25	4217246.2	9.58E-08	1.03E-07	1.99E-07	8.31E-08	9.15E-08	1.75E-07	1.00E-08	1.48E-08	2.49E-08	8.75E-09	9.13E-09	1.79E-08
445	567116.58	4217248.03	9.18E-08	9.91E-08	1.91E-07	7.96E-08	8.77E-08	1.67E-07	9.62E-09	1.42E-08	2.38E-08	8.38E-09	8.75E-09	1.71E-08
446	567443.14	4217045.49	3.64E-07	3.93E-07	7.57E-07	3.16E-07	3.48E-07	6.64E-07	3.82E-08	5.64E-08	9.45E-08	3.33E-08	3.47E-08	6.80E-08
447	567447.15	4217059.53	3.64E-07	3.93E-07	7.58E-07	3.16E-07	3.48E-07	6.64E-07	3.82E-08	5.64E-08	9.46E-08	3.33E-08	3.47E-08	6.80E-08
448	567439.33	4217069.76	3.86E-07	4.17E-07	8.03E-07	3.35E-07	3.69E-07	7.04E-07	4.05E-08	5.98E-08	1.00E-07	3.53E-08	3.68E-08	7.21E-08
449	567431.51	4217079.98	4.07E-07	4.40E-07	8.47E-07	3.53E-07	3.89E-07	7.43E-07	4.27E-08	6.31E-08	1.06E-07	3.72E-08	3.88E-08	7.60E-08
450	567408.04	4217110.65	4.57E-07	4.93E-07	9.51E-07	3.97E-07	4.37E-07	8.33E-07	4.79E-08	7.08E-08	1.19E-07	4.18E-08	4.36E-08	8.53E-08
451	567400.22	4217120.87	4.67E-07	5.05E-07	9.72E-07	4.06E-07	4.47E-07	8.52E-07	4.90E-08	7.24E-08	1.21E-07	4.27E-08	4.46E-08	8.73E-08
452	567392.39	4217131.09	4.71E-07	5.09E-07	9.80E-07	4.09E-07	4.50E-07	8.59E-07	4.94E-08	7.29E-08	1.22E-07	4.30E-08	4.49E-08	8.80E-08
453	567384.57	4217141.32	4.69E-07	5.06E-07	9.75E-07	4.07E-07	4.48E-07	8.55E-07	4.92E-08	7.26E-08	1.22E-07	4.28E-08	4.47E-08	8.76E-08
454	567376.75	4217151.54	4.61E-07	4.98E-07	9.59E-07	4.00E-07	4.40E-07	8.41E-07	4.84E-08	7.14E-08	1.20E-07	4.21E-08	4.40E-08	8.61E-08
455	567361.1	4217171.98	4.29E-07	4.63E-07	8.92E-07	3.72E-07	4.10E-07	7.82E-07	4.50E-08	6.64E-08	1.11E-07	3.92E-08	4.09E-08	8.01E-08
456	567353.28	4217182.21	4.07E-07	4.39E-07	8.45E-07	3.53E-07	3.88E-07	7.41E-07	4.26E-08	6.29E-08	1.06E-07	3.71E-08	3.87E-08	7.59E-08
457	567345.45	4217192.43	3.80E-07	4.11E-07	7.91E-07	3.30E-07	3.63E-07	6.94E-07	3.99E-08	5.89E-08	9.88E-08	3.48E-08	3.63E-08	7.10E-08
458	567329.81	4217212.88	3.21E-07	3.47E-07	6.68E-07	2.79E-07	3.07E-07	5.85E-07	3.37E-08	4.97E-08	8.34E-08	2.93E-08	3.06E-08	5.99E-08

459	567321.98	4217223.1	2.90E-07	3.13E-07	6.02E-07	2.51E-07	2.77E-07	5.28E-07	3.04E-08	4.48E-08	7.52E-08	2.65E-08	2.76E-08	5.41E-08
460	567311.7	4217229.13	2.68E-07	2.90E-07	5.58E-07	2.33E-07	2.56E-07	4.89E-07	2.81E-08	4.15E-08	6.96E-08	2.45E-08	2.56E-08	5.01E-08
461	567298.96	4217230.98	2.55E-07	2.75E-07	5.30E-07	2.21E-07	2.44E-07	4.65E-07	2.67E-08	3.95E-08	6.62E-08	2.33E-08	2.43E-08	4.76E-08
462	567286.22	4217232.82	2.40E-07	2.59E-07	4.99E-07	2.08E-07	2.29E-07	4.38E-07	2.52E-08	3.72E-08	6.24E-08	2.19E-08	2.29E-08	4.48E-08
463	567273.48	4217234.67	2.24E-07	2.42E-07	4.66E-07	1.94E-07	2.14E-07	4.09E-07	2.35E-08	3.47E-08	5.82E-08	2.05E-08	2.14E-08	4.18E-08
464	567248	4217238.36	1.90E-07	2.06E-07	3.96E-07	1.65E-07	1.82E-07	3.47E-07	2.00E-08	2.95E-08	4.94E-08	1.74E-08	1.82E-08	3.55E-08
465	567235.26	4217240.2	1.74E-07	1.88E-07	3.61E-07	1.51E-07	1.66E-07	3.17E-07	1.82E-08	2.69E-08	4.51E-08	1.59E-08	1.66E-08	3.24E-08
466	567222.52	4217242.05	1.58E-07	1.70E-07	3.28E-07	1.37E-07	1.51E-07	2.88E-07	1.66E-08	2.44E-08	4.10E-08	1.44E-08	1.50E-08	2.95E-08
467	567209.78	4217243.89	1.43E-07	1.55E-07	2.98E-07	1.24E-07	1.37E-07	2.61E-07	1.50E-08	2.22E-08	3.72E-08	1.31E-08	1.36E-08	2.67E-08
468	567197.04	4217245.74	1.30E-07	1.40E-07	2.70E-07	1.13E-07	1.24E-07	2.37E-07	1.36E-08	2.01E-08	3.38E-08	1.19E-08	1.24E-08	2.43E-08
469	567171.57	4217249.43	1.09E-07	1.18E-07	2.27E-07	9.46E-08	1.04E-07	1.99E-07	1.14E-08	1.69E-08	2.83E-08	9.96E-09	1.04E-08	2.04E-08
470	567158.83	4217251.27	1.01E-07	1.09E-07	2.10E-07	8.78E-08	9.67E-08	1.84E-07	1.06E-08	1.57E-08	2.63E-08	9.24E-09	9.65E-09	1.89E-08
471	567146.09	4217253.12	9.49E-08	1.02E-07	1.97E-07	8.23E-08	9.06E-08	1.73E-07	9.95E-09	1.47E-08	2.46E-08	8.67E-09	9.05E-09	1.77E-08
472	567133.35	4217254.96	9.00E-08	9.72E-08	1.87E-07	7.81E-08	8.60E-08	1.64E-07	9.44E-09	1.39E-08	2.34E-08	8.22E-09	8.58E-09	1.68E-08
473	567120.61	4217256.81	8.63E-08	9.32E-08	1.79E-07	7.49E-08	8.24E-08	1.57E-07	9.05E-09	1.34E-08	2.24E-08	7.88E-09	8.23E-09	1.61E-08
474	567452.79	4217048.12	3.45E-07	3.73E-07	7.18E-07	3.00E-07	3.30E-07	6.30E-07	3.62E-08	5.35E-08	8.97E-08	3.15E-08	3.29E-08	6.45E-08
475	567456.78	4217062.19	3.45E-07	3.73E-07	7.18E-07	3.00E-07	3.30E-07	6.30E-07	3.62E-08	5.35E-08	8.97E-08	3.15E-08	3.29E-08	6.45E-08
476	567448.92	4217072.46	3.66E-07	3.95E-07	7.61E-07	3.18E-07	3.50E-07	6.67E-07	3.84E-08	5.67E-08	9.50E-08	3.34E-08	3.49E-08	6.83E-08
477	567441.06	4217082.74	3.85E-07	4.16E-07	8.01E-07	3.34E-07	3.68E-07	7.02E-07	4.04E-08	5.96E-08	1.00E-07	3.52E-08	3.67E-08	7.19E-08
478	567433.2	4217093.01	4.04E-07	4.36E-07	8.39E-07	3.50E-07	3.86E-07	7.36E-07	4.23E-08	6.25E-08	1.05E-07	3.69E-08	3.85E-08	7.54E-08
479	567401.75	4217134.1	4.48E-07	4.83E-07	9.31E-07	3.88E-07	4.28E-07	8.16E-07	4.69E-08	6.93E-08	1.16E-07	4.09E-08	4.27E-08	8.35E-08
480	567393.89	4217144.38	4.47E-07	4.82E-07	9.29E-07	3.87E-07	4.27E-07	8.14E-07	4.68E-08	6.91E-08	1.16E-07	4.08E-08	4.26E-08	8.34E-08
481	567386.03	4217154.65	4.40E-07	4.75E-07	9.15E-07	3.82E-07	4.20E-07	8.02E-07	4.62E-08	6.81E-08	1.14E-07	4.02E-08	4.20E-08	8.22E-08
482	567362.44	4217185.47	3.92E-07	4.23E-07	8.15E-07	3.40E-07	3.74E-07	7.14E-07	4.11E-08	6.06E-08	1.02E-07	3.58E-08	3.73E-08	7.31E-08
483	567354.58	4217195.74	3.68E-07	3.97E-07	7.66E-07	3.19E-07	3.52E-07	6.71E-07	3.86E-08	5.70E-08	9.56E-08	3.36E-08	3.51E-08	6.87E-08
484	567346.72	4217206.01	3.42E-07	3.69E-07	7.11E-07	2.96E-07	3.26E-07	6.23E-07	3.58E-08	5.29E-08	8.87E-08	3.12E-08	3.26E-08	6.38E-08
485	567331	4217226.56	2.84E-07	3.07E-07	5.91E-07	2.46E-07	2.71E-07	5.18E-07	2.98E-08	4.40E-08	7.38E-08	2.60E-08	2.71E-08	5.30E-08
486	567316.73	4217237.76	2.49E-07	2.69E-07	5.18E-07	2.16E-07	2.38E-07	4.54E-07	2.61E-08	3.86E-08	6.47E-08	2.28E-08	2.38E-08	4.65E-08
487	567303.93	4217239.62	2.37E-07	2.55E-07	4.92E-07	2.05E-07	2.26E-07	4.31E-07	2.48E-08	3.66E-08	6.14E-08	2.16E-08	2.25E-08	4.42E-08
488	567291.13	4217241.47	2.23E-07	2.40E-07	4.63E-07	1.93E-07	2.13E-07	4.06E-07	2.34E-08	3.45E-08	5.78E-08	2.03E-08	2.12E-08	4.16E-08
489	567278.33	4217243.32	2.08E-07	2.24E-07	4.32E-07	1.80E-07	1.98E-07	3.79E-07	2.18E-08	3.22E-08	5.39E-08	1.90E-08	1.98E-08	3.88E-08
490	567252.72	4217247.03	1.77E-07	1.91E-07	3.67E-07	1.53E-07	1.69E-07	3.22E-07	1.85E-08	2.73E-08	4.59E-08	1.61E-08	1.68E-08	3.30E-08
491	567239.92	4217248.89	1.61E-07	1.74E-07	3.36E-07	1.40E-07	1.54E-07	2.94E-07	1.69E-08	2.50E-08	4.19E-08	1.47E-08	1.54E-08	3.01E-08
492	567227.11	4217250.74	1.47E-07	1.58E-07	3.05E-07	1.27E-07	1.40E-07	2.68E-07	1.54E-08	2.27E-08	3.81E-08	1.34E-08	1.40E-08	2.74E-08
493	567214.31	4217252.59	1.33E-07	1.44E-07	2.78E-07	1.16E-07	1.27E-07	2.43E-07	1.40E-08	2.07E-08	3.47E-08	1.22E-08	1.27E-08	2.49E-08
494	567201.51	4217254.45	1.21E-07	1.31E-07	2.53E-07	1.05E-07	1.16E-07	2.21E-07	1.27E-08	1.88E-08	3.15E-08	1.11E-08	1.16E-08	2.27E-08
495	567175.9	4217258.16	1.02E-07	1.10E-07	2.13E-07	8.87E-08	9.77E-08	1.86E-07	1.07E-08	1.58E-08	2.66E-08	9.34E-09	9.75E-09	1.91E-08
496	567163.1	4217260.01	9.51E-08	1.03E-07	1.98E-07	8.25E-08	9.08E-08	1.73E-07	9.97E-09	1.47E-08	2.47E-08	8.68E-09	9.06E-09	1.77E-08
497	567150.3	4217261.87	8.93E-08	9.64E-08	1.86E-07	7.75E-08	8.53E-08	1.63E-07	9.36E-09	1.38E-08	2.32E-08	8.16E-09	8.51E-09	1.67E-08
498	567137.5	4217263.72	8.48E-08	9.15E-08	1.76E-07	7.35E-08	8.10E-08	1.55E-07	8.89E-09	1.31E-08	2.20E-08	7.74E-09	8.08E-09	1.58E-08
499	567124.69	4217265.57	8.13E-08	8.78E-08	1.69E-07	7.06E-08	7.77E-08	1.48E-07	8.53E-09	1.26E-08	2.11E-08	7.43E-09	7.75E-09	1.52E-08
500	567462.43	4217050.75	3.28E-07	3.54E-07	6.81E-07	2.84E-07	3.13E-07	5.97E-07	3.44E-08	5.07E-08	8.51E-08	2.99E-08	3.12E-08	6.12E-08
501	567466.41	4217064.85	3.28E-07	3.54E-07	6.81E-07	2.84E-07	3.13E-07	5.97E-07	3.44E-08	5.07E-08	8.51E-08	2.99E-08	3.12E-08	6.12E-08
502	567458.51	4217075.17	3.47E-07	3.75E-07	7.22E-07	3.01E-07	3.32E-07	6.33E-07	3.64E-08	5.37E-08	9.01E-08	3.17E-08	3.31E-08	6.48E-08
503	567450.62	4217085.49	3.66E-07	3.95E-07	7.60E-07	3.17E-07	3.49E-07	6.66E-07	3.84E-08	5.66E-08	9.49E-08	3.34E-08	3.49E-08	6.83E-08
504	567442.72	4217095.81	3.83E-07	4.13E-07	7.97E-07	3.32E-07	3.66E-07	6.98E-07	4.02E-08	5.93E-08	9.95E-08	3.50E-08	3.65E-08	7.15E-08
505	567434.82	4217106.13	3.99E-07	4.30E-07	8.29E-07	3.46E-07	3.81E-07	7.27E-07	4.18E-08	6.17E-08	1.04E-07	3.64E-08	3.80E-08	7.44E-08
506	567403.23	4217147.41	4.25E-07	4.59E-07	8.85E-07	3.69E-07	4.06E-07	7.76E-07	4.46E-08	6.59E-08	1.10E-07	3.89E-08	4.06E-08	7.94E-08
507	567395.33	4217157.73	4.20E-07	4.54E-07	8.74E-07	3.65E-07	4.02E-07	7.66E-07	4.41E-08	6.51E-08	1.09E-07	3.84E-08	4.01E-08	7.85E-08
508	567371.64	4217188.69	3.78E-07	4.08E-07	7.85E-07	3.28E-07	3.61E-07	6.88E-07	3.96E-08	5.85E-08	9.81E-08	3.45E-08	3.60E-08	7.05E-08
509	567363.74	4217199.02	3.56E-07	3.85E-07	7.41E-07	3.09E-07	3.40E-07	6.49E-07	3.74E-08	5.51E-08	9.25E-08	3.25E-08	3.40E-08	6.65E-08
510	567355.84	4217209.34	3.32E-07	3.58E-07	6.90E-07	2.88E-07	3.17E-07	6.05E-07	3.48E-08	5.14E-08	8.62E-08	3.03E-08	3.16E-08	6.20E-08
511	567347.94	4217219.66	3.06E-07	3.30E-07	6.36E-07	2.65E-07	2.92E-07	5.57E-07	3.21E-08	4.73E-08	7.94E-08	2.79E-08	2.91E-08	5.71E-08
512	567321.76	4217246.39	2.32E-07	2.50E-07	4.82E-07	2.01E-07	2.22E-07	4.23E-07	2.43E-08	3.59E-08	6.02E-08	2.12E-08	2.21E-08	4.33E-08
513	567308.9	4217248.25	2.20E-07	2.38E-07	4.58E-07	1.91E-07	2.10E-07	4.01E-07	2.31E-08	3.41E-08	5.71E-08	2.01E-08	2.10E-08	4.11E-08
514	567296.04	4217250.12	2.07E-07	2.23E-07	4.30E-07	1.80E-07	1.98E-07	3.77E-07	2.17E-08	3.20E-08	5.37E-08	1.89E-08	1.97E-08	3.86E-08
515	567283.18	4217251.98	1.93E-07	2.08E-07	4.01E-07	1.67E-07	1.84E-07	3.52E-07	2.02E-08	2.99E-08	5.01E-08	1.76E-08	1.84E-08	3.60E-08
516	567270.32	4217253.84	1.79E-07	1.93E-07	3.72E-07	1.55E-07	1.71E-07	3.26E-07	1.87E-08	2.77E-08	4.64E-08	1.63E-08	1.70E-08	3.34E-08
517	567244.59	4217257.57	1.50E-07	1.62E-07	3.12E-07	1.30E-07	1.43E-07	2.74E-07	1.58E-08	2.33E-08	3.90E-08	1.37E-08	1.43E-08	2.80E-08
518	567231.73	4217259.43	1.37E-07	1.48E-07	2.85E-07	1.19E-07	1.31E-07	2.50E-07	1.44E-08	2.12E-08	3.56E-08	1.25E-08	1.31E-08	2.56E-08
519	567218.87	4217261.29	1.25E-07	1.35E-07	2.59E-07	1.08E-07	1.19E-07	2.27E-07	1.31E-08	1.93E-08	3.24E-08	1.14E-08	1.19E-08	2.33E-08
520	567206.01	4217263.15	1.14E-07	1.23E-07	2.37E-07	9.87E-08	1.09E-07	2.07E-07	1.19E-08	1.76E-08	2.95E-08	1.04E-08	1.08E-08	2.12E-08
521	567193.15	4217265.02	1.04E-07	1.12E-07	2.17E-07	9.04E-08	9.95E-08	1.90E-07	1.09E-08	1.61E-08	2.71E-08	9.52E-09	9.93E-09	1.95E-08
522	567472.08	4217053.38	3.11E-07	3.36E-07	6.47E-07	2.70E-07	2.97E-07	5.67E-07	3.26E-08	4.82E-08	8.08E-08	2.84E-08	2.97E-08	5.81E-08
523	567208.74	4216964.73	4.20E-06	4.53E-06	8.73E-06	3.64E-06	4.01E-06	7.65E-06	4.40E-07	6.50E-07	1.09E-06	3.84E-07	4.00E-07	7.84E-07
524	567217.66	4216969.25	3.50E-06	3.78E-06	7.28E-06	3.04E-06	3.35E-06	6.38E-06	3.67E-07	5.42E-07	9.09E-07	3.20E-07	3.34E-07	6.54E-07
525	567226.58	4216973.77	2.98E-06	3.21E-06	6.19E-06	2.58E-06	2.84E-06	5.43E-06	3.12E-07	4.61E-07	7.73E-07	2.72E-07	2.84E-07	5.56E-07
526	567233.83	4216959.46	2.76E-06	2.98E-06	5.75E-06	2.40E-06	2.64E-06	5.04E-06	2.90E-07	4.28E-07	7.18E-07	2.53E-07	2.64E-07	5.16E-07
527	567235.51	4216978.29	2.56E-06	2.77E-06	5.33E-06	2.23E-06	2.45E-06	4.67E-06	2.69E-07	3.97E-07	6.66E-07	2.34E-07	2.44E-07	4.79E-07
528	567242.75	4216963.97	2.37E-06	2.56E-06	4.93E-06	2.06E-06	2.27E-06	4.33E-06	2.49E-07	3.67E-07	6.16E-07	2.17E-07	2.26E-07	4.43E-07
529	567248.05	4216975.65	2.16E-06	2.33E-06	4.49E-06	1.88E-06	2.06E-06	3.94E-06	2.27E-07	3.35E-07	5.61E-07	1.97E-07	2.06E-07	4.03E-07
530	567255.3	4216961.34	1.94E-06	2.10E-06	4.04E-06	1.69E-06	1.86E-06	3.55E-06	2.04E-07	3.01E-07	5.05E-07	1.78E-07	1.85E-07	3.63E-07
531	567256.97	4216980.17	1.90E-06	2.05E-06	3.95E-06	1.65E-06	1.82E-06	3.47E-06	1.99E-07	2.94E-07	4.94E-07	1.74E-07	1.81E-07	3.55E-07
532	567264.22	4216965.85	1.71E-06	1.85E-06	3.56E-06	1.49E-06	1.64E-06	3.12E-06	1.80E-07	2.65E-07	4.45E-07	1.56E-07	1.63E-07	3.20E-07
533	567265.89	4216984.68	1.69E-06	1.82E-06	3.51E-06	1.47E-06	1.61E-06	3.08E-06	1.77E-07	2.61E-07	4.39E-07	1.54E-07	1.61E-07	3.15E-07
534	567273.14	4216970.37	1.53E-06	1.65E-06	3.17E-06	1.32E-06	1.46E-06	2.78E-06	1.60E-07	2.36E-07	3.96E-07	1.39E-07	1.45E-07	2.85E-07
535	567274.81	4216989.2	1.51E-06	1.63E-06	3.14E-06	1.31E-06	1.44E-06	2.76E-06	1.59E-07	2.34E-07	3.93E-07	1.38E-07	1.44E-07	2.82E-07

536	567282.06	4216974.89	1.37E-06	1.48E-06	2.85E-06	1.19E-06	1.31E-06	2.50E-06	1.44E-07	2.12E-07	3.56E-07	1.25E-07	1.31E-07	2.56E-07
537	567287.36	4216986.56	1.30E-06	1.41E-06	2.71E-06	1.13E-06	1.25E-06	2.38E-06	1.37E-07	2.02E-07	3.38E-07	1.19E-07	1.24E-07	2.43E-07
538	567296.28	4216991.08	1.18E-06	1.28E-06	2.46E-06	1.03E-06	1.13E-06	2.15E-06	1.24E-07	1.83E-07	3.07E-07	1.08E-07	1.13E-07	2.21E-07
539	567344.51	4217006.52	7.39E-07	7.97E-07	1.54E-06	6.41E-07	7.06E-07	1.35E-06	7.75E-08	1.14E-07	1.92E-07	6.75E-08	7.04E-08	1.38E-07
540	567353.43	4217011.03	6.87E-07	7.41E-07	1.43E-06	5.96E-07	6.56E-07	1.25E-06	7.20E-08	1.06E-07	1.78E-07	6.27E-08	6.54E-08	1.28E-07
541	567451.29	4217105.55	3.65E-07	3.94E-07	7.59E-07	3.17E-07	3.49E-07	6.65E-07	3.83E-08	5.65E-08	9.48E-08	3.33E-08	3.48E-08	6.81E-08
542	567458.54	4217091.23	3.51E-07	3.79E-07	7.29E-07	3.04E-07	3.35E-07	6.39E-07	3.68E-08	5.43E-08	9.11E-08	3.20E-08	3.34E-08	6.55E-08
543	567229.97	4216946.94	2.99E-06	3.23E-06	6.22E-06	2.59E-06	2.86E-06	5.45E-06	3.14E-07	4.63E-07	7.76E-07	2.73E-07	2.85E-07	5.58E-07
544	567243.15	4216946.08	2.31E-06	2.50E-06	4.81E-06	2.01E-06	2.21E-06	4.21E-06	2.42E-07	3.58E-07	6.00E-07	2.11E-07	2.20E-07	4.32E-07
545	567251.12	4216952.11	2.04E-06	2.21E-06	4.25E-06	1.77E-06	1.95E-06	3.73E-06	2.14E-07	3.16E-07	5.31E-07	1.87E-07	1.95E-07	3.81E-07
546	567224.05	4216899.29	2.24E-06	2.42E-06	4.65E-06	1.94E-06	2.14E-06	4.08E-06	2.35E-07	3.46E-07	5.81E-07	2.04E-07	2.13E-07	4.18E-07
547	567211.98	4216887.14	2.28E-06	2.46E-06	4.74E-06	1.98E-06	2.18E-06	4.15E-06	2.39E-07	3.53E-07	5.92E-07	2.08E-07	2.17E-07	4.25E-07
548	567188.26	4216870.6	2.35E-06	2.54E-06	4.89E-06	2.04E-06	2.25E-06	4.29E-06	2.47E-07	3.64E-07	6.11E-07	2.15E-07	2.24E-07	4.39E-07
549	567180.35	4216865.08	2.31E-06	2.50E-06	4.81E-06	2.01E-06	2.21E-06	4.22E-06	2.43E-07	3.58E-07	6.01E-07	2.11E-07	2.21E-07	4.32E-07
550	567172.45	4216859.57	2.25E-06	2.43E-06	4.68E-06	1.95E-06	2.15E-06	4.10E-06	2.36E-07	3.48E-07	5.84E-07	2.05E-07	2.14E-07	4.20E-07
551	567164.54	4216854.06	2.16E-06	2.33E-06	4.50E-06	1.88E-06	2.07E-06	3.94E-06	2.27E-07	3.35E-07	5.61E-07	1.97E-07	2.06E-07	4.04E-07
552	567156.63	4216848.54	2.05E-06	2.21E-06	4.25E-06	1.77E-06	1.95E-06	3.73E-06	2.15E-07	3.17E-07	5.31E-07	1.87E-07	1.95E-07	3.82E-07
553	567148.73	4216843.03	1.90E-06	2.05E-06	3.95E-06	1.65E-06	1.82E-06	3.46E-06	1.99E-07	2.94E-07	4.93E-07	1.74E-07	1.81E-07	3.55E-07
554	567140.82	4216837.51	1.73E-06	1.87E-06	3.60E-06	1.50E-06	1.65E-06	3.15E-06	1.81E-07	2.68E-07	4.49E-07	1.58E-07	1.65E-07	3.23E-07
555	567132.91	4216832	1.54E-06	1.67E-06	3.21E-06	1.34E-06	1.47E-06	2.81E-06	1.62E-07	2.39E-07	4.01E-07	1.41E-07	1.47E-07	2.88E-07
556	567125	4216826.48	1.35E-06	1.46E-06	2.80E-06	1.17E-06	1.29E-06	2.46E-06	1.41E-07	2.09E-07	3.50E-07	1.23E-07	1.28E-07	2.52E-07
557	567229.77	4216891.09	1.75E-06	1.89E-06	3.65E-06	1.52E-06	1.67E-06	3.20E-06	1.84E-07	2.71E-07	4.55E-07	1.60E-07	1.67E-07	3.27E-07
558	567236.18	4216911.95	2.07E-06	2.23E-06	4.30E-06	1.80E-06	1.98E-06	3.77E-06	2.17E-07	3.20E-07	5.37E-07	1.89E-07	1.97E-07	3.86E-07
559	567201.89	4216867.91	1.81E-06	1.95E-06	3.77E-06	1.57E-06	1.73E-06	3.30E-06	1.90E-07	2.80E-07	4.70E-07	1.65E-07	1.73E-07	3.38E-07
560	567193.98	4216862.4	1.80E-06	1.94E-06	3.74E-06	1.56E-06	1.72E-06	3.28E-06	1.89E-07	2.78E-07	4.67E-07	1.64E-07	1.71E-07	3.35E-07
561	567186.07	4216856.88	1.76E-06	1.90E-06	3.66E-06	1.53E-06	1.68E-06	3.21E-06	1.85E-07	2.73E-07	4.58E-07	1.61E-07	1.68E-07	3.29E-07
562	567178.17	4216851.37	1.71E-06	1.84E-06	3.55E-06	1.48E-06	1.63E-06	3.11E-06	1.79E-07	2.64E-07	4.44E-07	1.56E-07	1.63E-07	3.19E-07
563	567170.26	4216845.85	1.64E-06	1.77E-06	3.41E-06	1.42E-06	1.56E-06	2.98E-06	1.72E-07	2.53E-07	4.25E-07	1.50E-07	1.56E-07	3.06E-07
564	567162.35	4216840.34	1.55E-06	1.67E-06	3.22E-06	1.34E-06	1.48E-06	2.82E-06	1.62E-07	2.39E-07	4.02E-07	1.41E-07	1.47E-07	2.89E-07
565	567154.45	4216834.82	1.44E-06	1.55E-06	3.00E-06	1.25E-06	1.38E-06	2.63E-06	1.51E-07	2.23E-07	3.74E-07	1.32E-07	1.37E-07	2.69E-07
566	567146.54	4216829.31	1.32E-06	1.43E-06	2.75E-06	1.15E-06	1.26E-06	2.41E-06	1.39E-07	2.05E-07	3.43E-07	1.21E-07	1.26E-07	2.47E-07
567	567138.63	4216823.8	1.19E-06	1.29E-06	2.48E-06	1.04E-06	1.14E-06	2.18E-06	1.25E-07	1.85E-07	3.10E-07	1.09E-07	1.14E-07	2.23E-07
568	567114.91	4216807.25	8.34E-07	9.00E-07	1.73E-06	7.24E-07	7.97E-07	1.52E-06	8.75E-08	1.29E-07	2.17E-07	7.62E-08	7.95E-08	1.56E-07
569	567235.49	4216882.89	1.42E-06	1.53E-06	2.94E-06	1.23E-06	1.35E-06	2.58E-06	1.48E-07	2.19E-07	3.68E-07	1.29E-07	1.35E-07	2.64E-07
570	567243.8	4216896.15	1.48E-06	1.60E-06	3.08E-06	1.28E-06	1.41E-06	2.70E-06	1.55E-07	2.29E-07	3.84E-07	1.35E-07	1.41E-07	2.76E-07
571	567246.06	4216910.38	1.68E-06	1.81E-06	3.49E-06	1.46E-06	1.60E-06	3.06E-06	1.76E-07	2.60E-07	4.36E-07	1.53E-07	1.60E-07	3.13E-07
572	567215.52	4216865.22	1.43E-06	1.55E-06	2.98E-06	1.24E-06	1.37E-06	2.61E-06	1.50E-07	2.22E-07	3.72E-07	1.31E-07	1.37E-07	2.67E-07
573	567207.61	4216859.71	1.44E-06	1.55E-06	2.99E-06	1.25E-06	1.37E-06	2.62E-06	1.51E-07	2.23E-07	3.74E-07	1.31E-07	1.37E-07	2.69E-07
574	567199.7	4216854.19	1.42E-06	1.54E-06	2.96E-06	1.24E-06	1.36E-06	2.60E-06	1.49E-07	2.20E-07	3.70E-07	1.30E-07	1.36E-07	2.66E-07
575	567191.8	4216848.68	1.39E-06	1.51E-06	2.90E-06	1.21E-06	1.33E-06	2.54E-06	1.46E-07	2.16E-07	3.62E-07	1.27E-07	1.33E-07	2.60E-07
576	567183.89	4216843.16	1.35E-06	1.46E-06	2.81E-06	1.17E-06	1.29E-06	2.46E-06	1.42E-07	2.09E-07	3.51E-07	1.23E-07	1.29E-07	2.52E-07
577	567175.98	4216837.65	1.29E-06	1.40E-06	2.69E-06	1.12E-06	1.23E-06	2.36E-06	1.36E-07	2.00E-07	3.36E-07	1.18E-07	1.23E-07	2.41E-07
578	567168.07	4216832.14	1.22E-06	1.32E-06	2.54E-06	1.06E-06	1.17E-06	2.23E-06	1.28E-07	1.89E-07	3.18E-07	1.12E-07	1.17E-07	2.28E-07
579	567160.17	4216826.62	1.14E-06	1.23E-06	2.38E-06	9.92E-07	1.09E-06	2.09E-06	1.20E-07	1.77E-07	2.97E-07	1.04E-07	1.09E-07	2.14E-07
580	567152.26	4216821.11	1.06E-06	1.14E-06	2.20E-06	9.17E-07	1.01E-06	1.93E-06	1.11E-07	1.64E-07	2.74E-07	9.66E-08	1.01E-07	1.97E-07
581	567128.54	4216804.56	7.89E-07	8.52E-07	1.64E-06	6.85E-07	7.54E-07	1.44E-06	8.28E-08	1.22E-07	2.05E-07	7.21E-08	7.52E-08	1.47E-07
582	567120.63	4216799.05	7.10E-07	7.66E-07	1.48E-06	6.16E-07	6.78E-07	1.29E-06	7.44E-08	1.10E-07	1.84E-07	6.48E-08	6.76E-08	1.32E-07
583	567241.21	4216874.68	1.17E-06	1.27E-06	2.44E-06	1.02E-06	1.12E-06	2.14E-06	1.23E-07	1.82E-07	3.05E-07	1.07E-07	1.12E-07	2.19E-07
584	567249.52	4216887.95	1.23E-06	1.33E-06	2.56E-06	1.07E-06	1.18E-06	2.25E-06	1.29E-07	1.91E-07	3.20E-07	1.13E-07	1.17E-07	2.30E-07
585	567255.93	4216908.82	1.39E-06	1.51E-06	2.90E-06	1.21E-06	1.33E-06	2.54E-06	1.46E-07	2.16E-07	3.62E-07	1.27E-07	1.33E-07	2.60E-07
586	567252.14	4216924.01	1.71E-06	1.85E-06	3.57E-06	1.49E-06	1.64E-06	3.13E-06	1.80E-07	2.65E-07	4.45E-07	1.57E-07	1.63E-07	3.20E-07
587	567229.14	4216862.53	1.15E-06	1.25E-06	2.40E-06	1.00E-06	1.10E-06	2.10E-06	1.21E-07	1.79E-07	3.00E-07	1.05E-07	1.10E-07	2.15E-07
588	567221.24	4216857.02	1.17E-06	1.26E-06	2.43E-06	1.01E-06	1.12E-06	2.13E-06	1.23E-07	1.81E-07	3.04E-07	1.07E-07	1.11E-07	2.18E-07
589	567213.33	4216851.51	1.17E-06	1.27E-06	2.44E-06	1.02E-06	1.12E-06	2.14E-06	1.23E-07	1.82E-07	3.05E-07	1.07E-07	1.12E-07	2.19E-07
590	567205.42	4216845.99	1.16E-06	1.25E-06	2.42E-06	1.01E-06	1.11E-06	2.12E-06	1.22E-07	1.80E-07	3.02E-07	1.06E-07	1.11E-07	2.17E-07
591	567197.52	4216840.48	1.14E-06	1.23E-06	2.36E-06	9.86E-07	1.09E-06	2.07E-06	1.19E-07	1.76E-07	2.95E-07	1.04E-07	1.08E-07	2.12E-07
592	567189.61	4216834.96	1.10E-06	1.19E-06	2.29E-06	9.54E-07	1.05E-06	2.00E-06	1.15E-07	1.70E-07	2.86E-07	1.00E-07	1.05E-07	2.05E-07
593	567181.7	4216829.45	1.05E-06	1.14E-06	2.19E-06	9.14E-07	1.01E-06	1.92E-06	1.11E-07	1.63E-07	2.74E-07	9.63E-08	1.00E-07	1.97E-07
594	567173.79	4216823.93	1.00E-06	1.08E-06	2.08E-06	8.67E-07	9.55E-07	1.82E-06	1.05E-07	1.55E-07	2.60E-07	9.13E-08	9.53E-08	1.87E-07
595	567165.89	4216818.42	9.39E-07	1.01E-06	1.95E-06	8.15E-07	8.97E-07	1.71E-06	9.85E-08	1.45E-07	2.44E-07	8.58E-08	8.95E-08	1.75E-07
596	567142.17	4216801.88	7.40E-07	7.99E-07	1.54E-06	6.42E-07	7.07E-07	1.35E-06	7.76E-08	1.15E-07	1.92E-07	6.76E-08	7.05E-08	1.38E-07
597	567134.26	4216796.36	6.75E-07	7.28E-07	1.40E-06	5.85E-07	6.45E-07	1.23E-06	7.08E-08	1.04E-07	1.75E-07	6.16E-08	6.43E-08	1.26E-07
598	567126.35	4216790.85	6.14E-07	6.63E-07	1.28E-06	5.33E-07	5.87E-07	1.12E-06	6.44E-08	9.51E-08	1.59E-07	5.61E-08	5.85E-08	1.15E-07
599	567252.75	4216875.77	1.03E-06	1.11E-06	2.15E-06	8.96E-07	9.86E-07	1.88E-06	1.08E-07	1.60E-07	2.68E-07	9.43E-08	9.84E-08	1.93E-07
600	567257.73	4216883.73	1.06E-06	1.14E-06	2.20E-06	9.16E-07	1.01E-06	1.92E-06	1.11E-07	1.63E-07	2.74E-07	9.64E-08	1.01E-07	1.97E-07
601	567262.72	4216891.69	1.07E-06	1.15E-06	2.22E-06	9.28E-07	1.02E-06	1.95E-06	1.12E-07	1.66E-07	2.78E-07	9.77E-08	1.02E-07	2.00E-07
602	567265.43	4216908.77	1.20E-06	1.30E-06	2.50E-06	1.05E-06	1.15E-06	2.20E-06	1.26E-07	1.86E-07	3.13E-07	1.10E-07	1.15E-07	2.25E-07
603	567263.15	4216917.88	1.35E-06	1.46E-06	2.81E-06	1.17E-06	1.29E-06	2.47E-06	1.42E-07	2.09E-07	3.51E-07	1.24E-07	1.29E-07	2.53E-07
604	567260.88	4216927	1.51E-06	1.63E-06	3.15E-06	1.31E-06	1.45E-06	2.76E-06	1.59E-07	2.34E-07	3.93E-07	1.38E-07	1.44E-07	2.82E-07
605	567242.77	4216859.85	9.57E-07	1.03E-06	1.99E-06	8.30E-07	9.14E-07	1.74E-06	1.00E-07	1.48E-07	2.49E-07	8.74E-08	9.12E-08	1.79E-07
606	567234.86	4216854.33	9.68E-07	1.05E-06	2.01E-06	8.40E-07	9.25E-07	1.76E-06	1.02E-07	1.50E-07	2.51E-07	8.84E-08	9.23E-08	1.81E-07
607	567226.96	4216848.82	9.76E-07	1.05E-06	2.03E-06	8.47E-07	9.32E-07	1.78E-06	1.02E-07	1.51E-07	2.53E-07	8.91E-08	9.30E-08	1.82E-07
608	567219.05	4216843.3	9.79E-07	1.06E-06	2.04E-06	8.49E-07	9.35E-07	1.78E-06	1.03E-07	1.52E-07	2.54E-07	8.94E-08	9.33E-08	1.83E-07
609	567211.14	4216837.79	9.69E-07	1.05E-06	2.02E-06	8.41E-07	9.26E-07	1.77E-06	1.02E-07	1.50E-07	2.52E-07	8.86E-08	9.24E-08	1.81E-07
610	567203.24	4216832.27	9.47E-07	1.02E-06	1.97E-06	8.22E-07	9.05E-07	1.73E-06	9.94E-08	1.47E-07	2.46E-07	8.65E-08	9.03E-08	1.77E-07
611	567195.33	4216826.76	9.17E-07	9.90E-07	1.91E-06	7.96E-07	8.76E-07	1.67E-06	9.62E-08	1.42E-07	2.38E-07	8.38E-08	8.74E-08	1.71E-07
612	567187.42	4216821.25	8.80E-07	9.50E-07	1.83E-06	7.64E-07	8.41E-07	1.60E-06	9.23E-08	1.36E-07	2.29E-07	8.04E-08	8.39E-08	1.64E-07

613	567179.51	4216815.73	8.37E-07	9.04E-07	1.74E-06	7.27E-07	8.00E-07	1.53E-06	8.78E-08	1.30E-07	2.17E-07	7.65E-08	7.98E-08	1.56E-07
614	567171.61	4216810.22	7.91E-07	8.53E-07	1.64E-06	6.86E-07	7.55E-07	1.44E-06	8.29E-08	1.22E-07	2.05E-07	7.22E-08	7.54E-08	1.48E-07
615	567147.89	4216793.67	6.37E-07	6.87E-07	1.32E-06	5.52E-07	6.08E-07	1.16E-06	6.68E-08	9.85E-08	1.65E-07	5.82E-08	6.07E-08	1.19E-07
616	567139.98	4216788.16	5.86E-07	6.33E-07	1.22E-06	5.09E-07	5.60E-07	1.07E-06	6.15E-08	9.07E-08	1.52E-07	5.36E-08	5.59E-08	1.09E-07
617	567132.07	4216782.65	5.39E-07	5.81E-07	1.12E-06	4.67E-07	5.14E-07	9.82E-07	5.65E-08	8.34E-08	1.40E-07	4.92E-08	5.13E-08	1.01E-07
618	567263.04	4216874.86	9.08E-07	9.80E-07	1.89E-06	7.88E-07	8.67E-07	1.65E-06	9.52E-08	1.41E-07	2.36E-07	8.29E-08	8.65E-08	1.69E-07
619	567272.74	4216890.35	9.30E-07	1.00E-06	1.93E-06	8.07E-07	8.89E-07	1.70E-06	9.76E-08	1.44E-07	2.42E-07	8.50E-08	8.87E-08	1.74E-07
620	567275.37	4216906.95	1.04E-06	1.12E-06	2.15E-06	8.98E-07	9.89E-07	1.89E-06	1.09E-07	1.60E-07	2.69E-07	9.46E-08	9.87E-08	1.93E-07
621	567273.16	4216915.81	1.15E-06	1.24E-06	2.38E-06	9.95E-07	1.10E-06	2.09E-06	1.20E-07	1.78E-07	2.98E-07	1.05E-07	1.09E-07	2.14E-07
622	567268.73	4216933.53	1.40E-06	1.51E-06	2.91E-06	1.21E-06	1.34E-06	2.55E-06	1.47E-07	2.17E-07	3.64E-07	1.28E-07	1.33E-07	2.61E-07
623	567248.49	4216851.64	8.22E-07	8.87E-07	1.71E-06	7.13E-07	7.85E-07	1.50E-06	8.62E-08	1.27E-07	2.13E-07	7.51E-08	7.83E-08	1.53E-07
624	567240.58	4216846.13	8.28E-07	8.94E-07	1.72E-06	7.19E-07	7.91E-07	1.51E-06	8.69E-08	1.28E-07	2.15E-07	7.57E-08	7.89E-08	1.55E-07
625	567232.68	4216840.61	8.32E-07	8.98E-07	1.73E-06	7.22E-07	7.95E-07	1.52E-06	8.73E-08	1.29E-07	2.16E-07	7.60E-08	7.93E-08	1.55E-07
626	567224.77	4216835.1	8.34E-07	9.01E-07	1.74E-06	7.24E-07	7.97E-07	1.52E-06	8.75E-08	1.29E-07	2.17E-07	7.62E-08	7.95E-08	1.56E-07
627	567216.86	4216829.59	8.24E-07	8.89E-07	1.71E-06	7.15E-07	7.87E-07	1.50E-06	8.64E-08	1.27E-07	2.14E-07	7.52E-08	7.85E-08	1.54E-07
628	567208.96	4216824.07	8.05E-07	8.69E-07	1.67E-06	6.98E-07	7.69E-07	1.47E-06	8.44E-08	1.25E-07	2.09E-07	7.35E-08	7.67E-08	1.50E-07
629	567201.05	4216818.56	7.80E-07	8.42E-07	1.62E-06	6.77E-07	7.45E-07	1.42E-06	8.18E-08	1.21E-07	2.03E-07	7.12E-08	7.43E-08	1.46E-07
630	567193.14	4216813.04	7.50E-07	8.09E-07	1.56E-06	6.50E-07	7.16E-07	1.37E-06	7.86E-08	1.16E-07	1.95E-07	6.85E-08	7.14E-08	1.40E-07
631	567185.23	4216807.53	7.15E-07	7.72E-07	1.49E-06	6.21E-07	6.83E-07	1.30E-06	7.50E-08	1.11E-07	1.86E-07	6.53E-08	6.82E-08	1.34E-07
632	567161.51	4216790.99	5.97E-07	6.45E-07	1.24E-06	5.18E-07	5.71E-07	1.09E-06	6.27E-08	9.25E-08	1.55E-07	5.46E-08	5.69E-08	1.12E-07
633	567153.61	4216785.47	5.56E-07	6.00E-07	1.16E-06	4.82E-07	5.31E-07	1.01E-06	5.83E-08	8.61E-08	1.44E-07	5.08E-08	5.30E-08	1.04E-07
634	567145.7	4216779.96	5.15E-07	5.56E-07	1.07E-06	4.47E-07	4.92E-07	9.39E-07	5.40E-08	7.97E-08	1.34E-07	4.71E-08	4.91E-08	9.62E-08
635	567137.79	4216774.44	4.77E-07	5.15E-07	9.91E-07	4.14E-07	4.55E-07	8.69E-07	5.00E-08	7.38E-08	1.24E-07	4.36E-08	4.54E-08	8.90E-08
636	567258.96	4216851.02	7.42E-07	8.01E-07	1.54E-06	6.44E-07	7.08E-07	1.35E-06	7.78E-08	1.15E-07	1.93E-07	6.78E-08	7.07E-08	1.38E-07
637	567273.21	4216873.77	8.00E-07	8.64E-07	1.66E-06	6.94E-07	7.64E-07	1.46E-06	8.39E-08	1.24E-07	2.08E-07	7.31E-08	7.63E-08	1.49E-07
638	567282.71	4216888.94	8.17E-07	8.82E-07	1.70E-06	7.09E-07	7.81E-07	1.49E-06	8.57E-08	1.27E-07	2.12E-07	7.47E-08	7.79E-08	1.53E-07
639	567285.29	4216905.2	9.02E-07	9.73E-07	1.88E-06	7.82E-07	8.61E-07	1.64E-06	9.46E-08	1.40E-07	2.34E-07	8.24E-08	8.60E-08	1.68E-07
640	567283.12	4216913.88	9.88E-07	1.07E-06	2.06E-06	8.58E-07	9.44E-07	1.80E-06	1.04E-07	1.53E-07	2.57E-07	9.03E-08	9.42E-08	1.84E-07
641	567278.79	4216931.24	1.19E-06	1.28E-06	2.47E-06	1.03E-06	1.13E-06	2.16E-06	1.24E-07	1.84E-07	3.08E-07	1.08E-07	1.13E-07	2.21E-07
642	567246.3	4216837.93	7.20E-07	7.77E-07	1.50E-06	6.25E-07	6.88E-07	1.31E-06	7.55E-08	1.11E-07	1.87E-07	6.58E-08	6.86E-08	1.34E-07
643	567238.4	4216832.41	7.22E-07	7.79E-07	1.50E-06	6.26E-07	6.90E-07	1.32E-06	7.57E-08	1.12E-07	1.87E-07	6.60E-08	6.88E-08	1.35E-07
644	567230.49	4216826.9	7.21E-07	7.78E-07	1.50E-06	6.26E-07	6.89E-07	1.31E-06	7.56E-08	1.12E-07	1.87E-07	6.59E-08	6.87E-08	1.35E-07
645	567222.58	4216821.38	7.10E-07	7.67E-07	1.48E-06	6.16E-07	6.78E-07	1.29E-06	7.45E-08	1.10E-07	1.84E-07	6.49E-08	6.77E-08	1.33E-07
646	567214.68	4216815.87	6.94E-07	7.49E-07	1.44E-06	6.02E-07	6.63E-07	1.26E-06	7.28E-08	1.07E-07	1.80E-07	6.34E-08	6.61E-08	1.30E-07
647	567206.77	4216810.36	6.73E-07	7.27E-07	1.40E-06	5.84E-07	6.43E-07	1.23E-06	7.06E-08	1.04E-07	1.75E-07	6.15E-08	6.42E-08	1.26E-07
648	567198.86	4216804.84	6.48E-07	7.00E-07	1.35E-06	5.62E-07	6.19E-07	1.18E-06	6.80E-08	1.00E-07	1.68E-07	5.92E-08	6.18E-08	1.21E-07
649	567175.14	4216788.3	5.58E-07	6.02E-07	1.16E-06	4.84E-07	5.33E-07	1.02E-06	5.85E-08	8.64E-08	1.45E-07	5.10E-08	5.32E-08	1.04E-07
650	567167.23	4216782.78	5.24E-07	5.66E-07	1.09E-06	4.55E-07	5.01E-07	9.56E-07	5.50E-08	8.12E-08	1.36E-07	4.79E-08	5.00E-08	9.79E-08
651	567159.33	4216777.27	4.91E-07	5.30E-07	1.02E-06	4.26E-07	4.69E-07	8.94E-07	5.15E-08	7.59E-08	1.27E-07	4.48E-08	4.68E-08	9.16E-08
652	567151.42	4216771.76	4.58E-07	4.94E-07	9.51E-07	3.97E-07	4.37E-07	8.34E-07	4.80E-08	7.08E-08	1.19E-07	4.18E-08	4.36E-08	8.54E-08
653	567143.51	4216766.24	4.26E-07	4.60E-07	8.86E-07	3.70E-07	4.07E-07	7.76E-07	4.47E-08	6.59E-08	1.11E-07	3.89E-08	4.06E-08	7.95E-08
654	567264.61	4216842.7	6.51E-07	7.02E-07	1.35E-06	5.64E-07	6.21E-07	1.19E-06	6.82E-08	1.01E-07	1.69E-07	5.94E-08	6.20E-08	1.21E-07
655	567283.31	4216872.56	7.11E-07	7.67E-07	1.48E-06	6.17E-07	6.79E-07	1.30E-06	7.46E-08	1.10E-07	1.85E-07	6.49E-08	6.78E-08	1.33E-07
656	567292.66	4216887.49	7.25E-07	7.82E-07	1.51E-06	6.29E-07	6.92E-07	1.32E-06	7.60E-08	1.12E-07	1.88E-07	6.62E-08	6.91E-08	1.35E-07
657	567295.2	4216903.5	7.93E-07	8.56E-07	1.65E-06	6.88E-07	7.58E-07	1.45E-06	8.32E-08	1.23E-07	2.06E-07	7.24E-08	7.56E-08	1.48E-07
658	567290.93	4216920.59	9.38E-07	1.01E-06	1.95E-06	8.14E-07	8.96E-07	1.71E-06	9.84E-08	1.45E-07	2.44E-07	8.57E-08	8.94E-08	1.75E-07
659	567252.02	4216829.72	6.32E-07	6.82E-07	1.31E-06	5.48E-07	6.03E-07	1.15E-06	6.63E-08	9.78E-08	1.64E-07	5.77E-08	6.02E-08	1.18E-07
660	567244.12	4216824.21	6.33E-07	6.83E-07	1.32E-06	5.49E-07	6.04E-07	1.15E-06	6.64E-08	9.79E-08	1.64E-07	5.78E-08	6.03E-08	1.18E-07
661	567236.21	4216818.7	6.30E-07	6.80E-07	1.31E-06	5.46E-07	6.02E-07	1.15E-06	6.61E-08	9.75E-08	1.64E-07	5.75E-08	6.00E-08	1.18E-07
662	567228.3	4216813.18	6.20E-07	6.69E-07	1.29E-06	5.38E-07	5.92E-07	1.13E-06	6.50E-08	9.60E-08	1.61E-07	5.66E-08	5.91E-08	1.16E-07
663	567220.4	4216807.67	6.06E-07	6.54E-07	1.26E-06	5.26E-07	5.79E-07	1.10E-06	6.36E-08	9.38E-08	1.57E-07	5.54E-08	5.78E-08	1.13E-07
664	567212.49	4216802.15	5.88E-07	6.35E-07	1.22E-06	5.10E-07	5.62E-07	1.07E-06	6.17E-08	9.11E-08	1.53E-07	5.37E-08	5.61E-08	1.10E-07
665	567188.77	4216785.61	5.19E-07	5.60E-07	1.08E-06	4.50E-07	4.96E-07	9.46E-07	5.44E-08	8.03E-08	1.35E-07	4.74E-08	4.95E-08	9.69E-08
666	567180.86	4216780.1	4.93E-07	5.32E-07	1.02E-06	4.27E-07	4.70E-07	8.98E-07	5.17E-08	7.62E-08	1.28E-07	4.50E-08	4.69E-08	9.19E-08
667	567172.95	4216774.58	4.65E-07	5.02E-07	9.67E-07	4.04E-07	4.44E-07	8.48E-07	4.88E-08	7.20E-08	1.21E-07	4.25E-08	4.43E-08	8.68E-08
668	567165.05	4216769.07	4.37E-07	4.72E-07	9.09E-07	3.79E-07	4.18E-07	7.97E-07	4.59E-08	6.77E-08	1.14E-07	3.99E-08	4.17E-08	8.16E-08
669	567157.14	4216763.55	4.10E-07	4.43E-07	8.53E-07	3.56E-07	3.92E-07	7.47E-07	4.30E-08	6.35E-08	1.06E-07	3.75E-08	3.91E-08	7.65E-08
670	567149.23	4216758.04	3.84E-07	4.14E-07	7.98E-07	3.33E-07	3.67E-07	7.00E-07	4.03E-08	5.94E-08	9.97E-08	3.51E-08	3.66E-08	7.17E-08
671	567270.27	4216834.41	5.75E-07	6.20E-07	1.20E-06	4.99E-07	5.49E-07	1.05E-06	6.03E-08	8.90E-08	1.49E-07	5.25E-08	5.48E-08	1.07E-07
672	567279.51	4216849.15	6.06E-07	6.54E-07	1.26E-06	5.26E-07	5.79E-07	1.10E-06	6.35E-08	9.38E-08	1.57E-07	5.53E-08	5.77E-08	1.13E-07
673	567288.74	4216863.9	6.28E-07	6.78E-07	1.31E-06	5.45E-07	6.00E-07	1.15E-06	6.59E-08	9.73E-08	1.63E-07	5.74E-08	5.99E-08	1.17E-07
674	567297.98	4216878.64	6.42E-07	6.93E-07	1.34E-06	5.57E-07	6.13E-07	1.17E-06	6.74E-08	9.94E-08	1.67E-07	5.87E-08	6.12E-08	1.20E-07
675	567305.11	4216901.82	7.01E-07	7.57E-07	1.46E-06	6.08E-07	6.70E-07	1.28E-06	7.36E-08	1.09E-07	1.82E-07	6.41E-08	6.68E-08	1.31E-07
676	567300.89	4216918.7	8.21E-07	8.86E-07	1.71E-06	7.12E-07	7.84E-07	1.50E-06	8.61E-08	1.27E-07	2.13E-07	7.50E-08	7.83E-08	1.53E-07
677	567257.74	4216821.52	5.59E-07	6.03E-07	1.16E-06	4.85E-07	5.34E-07	1.02E-06	5.86E-08	8.65E-08	1.45E-07	5.10E-08	5.33E-08	1.04E-07
678	567249.84	4216816.01	5.59E-07	6.03E-07	1.16E-06	4.85E-07	5.34E-07	1.02E-06	5.86E-08	8.65E-08	1.45E-07	5.10E-08	5.33E-08	1.04E-07
679	567241.93	4216810.49	5.55E-07	6.00E-07	1.16E-06	4.82E-07	5.31E-07	1.01E-06	5.83E-08	8.60E-08	1.44E-07	5.07E-08	5.29E-08	1.04E-07
680	567234.02	4216804.98	5.47E-07	5.90E-07	1.14E-06	4.74E-07	5.22E-07	9.97E-07	5.74E-08	8.46E-08	1.42E-07	4.99E-08	5.21E-08	1.02E-07
681	567226.12	4216799.46	5.35E-07	5.77E-07	1.11E-06	4.64E-07	5.11E-07	9.75E-07	5.61E-08	8.28E-08	1.39E-07	4.89E-08	5.10E-08	9.98E-08
682	567202.39	4216782.92	4.82E-07	5.20E-07	1.00E-06	4.18E-07	4.60E-07	8.79E-07	5.06E-08	7.46E-08	1.25E-07	4.40E-08	4.59E-08	9.00E-08
683	567194.49	4216777.41	4.61E-07	4.98E-07	9.59E-07	4.00E-07	4.40E-07	8.41E-07	4.84E-08	7.14E-08	1.20E-07	4.21E-08	4.40E-08	8.61E-08
684	567186.58	4216771.89	4.39E-07	4.74E-07	9.13E-07	3.81E-07	4.19E-07	8.00E-07	4.61E-08	6.80E-08	1.14E-07	4.01E-08	4.18E-08	8.20E-08
685	567178.67	4216766.38	4.16E-07	4.49E-07	8.66E-07	3.61E-07	3.98E-07	7.59E-07	4.37E-08	6.44E-08	1.08E-07	3.80E-08	3.97E-08	7.77E-08
686	567170.77	4216760.86	3.93E-07	4.24E-07	8.17E-07	3.41E-07	3.75E-07	7.17E-07	4.12E-08	6.08E-08	1.02E-07	3.59E-08	3.75E-08	7.34E-08
687	567162.86	4216755.35	3.70E-07	4.00E-07	7.70E-07	3.21E-07	3.54E-07	6.75E-07	3.88E-08	5.73E-08	9.62E-08	3.38E-08	3.53E-08	6.91E-08
688	567154.95	4216749.84	3.49E-07	3.76E-07	7.25E-07	3.02E-07	3.33E-07	6.35E-07	3.66E-08	5.40E-08	9.05E-08	3.18E-08	3.32E-08	6.51E-08
689	567276.45	4216826.94	5.14E-07	5.55E-07	1.07E-06	4.46E-07	4.91E-07	9.36E-07	5.39E-08	7.95E-08	1.33E-07	4.69E-08	4.90E-08	9.59E-08

690	567281.53	4216835.05	5.30E-07	5.72E-07	1.10E-06	4.59E-07	5.06E-07	9.65E-07	5.55E-08	8.20E-08	1.38E-07	4.84E-08	5.05E-08	9.88E-08
691	567286.61	4216843.16	5.43E-07	5.86E-07	1.13E-06	4.71E-07	5.19E-07	9.90E-07	5.70E-08	8.41E-08	1.41E-07	4.96E-08	5.18E-08	1.01E-07
692	567296.77	4216859.38	5.64E-07	6.09E-07	1.17E-06	4.90E-07	5.39E-07	1.03E-06	5.92E-08	8.74E-08	1.47E-07	5.16E-08	5.38E-08	1.05E-07
693	567301.85	4216867.49	5.72E-07	6.17E-07	1.19E-06	4.96E-07	5.46E-07	1.04E-06	6.00E-08	8.85E-08	1.48E-07	5.22E-08	5.45E-08	1.07E-07
694	567306.93	4216875.6	5.77E-07	6.22E-07	1.20E-06	5.00E-07	5.51E-07	1.05E-06	6.05E-08	8.93E-08	1.50E-07	5.27E-08	5.50E-08	1.08E-07
695	567312.01	4216883.71	5.80E-07	6.26E-07	1.21E-06	5.03E-07	5.54E-07	1.06E-06	6.08E-08	8.97E-08	1.51E-07	5.30E-08	5.53E-08	1.08E-07
696	567314.77	4216901.1	6.30E-07	6.80E-07	1.31E-06	5.47E-07	6.02E-07	1.15E-06	6.61E-08	9.76E-08	1.64E-07	5.76E-08	6.01E-08	1.18E-07
697	567312.45	4216910.38	6.85E-07	7.39E-07	1.42E-06	5.94E-07	6.54E-07	1.25E-06	7.18E-08	1.06E-07	1.78E-07	6.25E-08	6.52E-08	1.28E-07
698	567310.13	4216919.66	7.43E-07	8.03E-07	1.55E-06	6.45E-07	7.10E-07	1.36E-06	7.80E-08	1.15E-07	1.93E-07	6.79E-08	7.09E-08	1.39E-07
699	567303.18	4216947.52	9.46E-07	1.02E-06	1.97E-06	8.21E-07	9.04E-07	1.73E-06	9.93E-08	1.46E-07	2.46E-07	8.64E-08	9.02E-08	1.77E-07
700	567271.37	4216818.83	4.96E-07	5.36E-07	1.03E-06	4.31E-07	4.74E-07	9.05E-07	5.20E-08	7.68E-08	1.29E-07	4.53E-08	4.73E-08	9.26E-08
701	567263.46	4216813.32	4.98E-07	5.37E-07	1.03E-06	4.32E-07	4.75E-07	9.07E-07	5.22E-08	7.70E-08	1.29E-07	4.55E-08	4.74E-08	9.29E-08
702	567255.56	4216807.81	4.97E-07	5.36E-07	1.03E-06	4.31E-07	4.74E-07	9.05E-07	5.21E-08	7.69E-08	1.29E-07	4.54E-08	4.73E-08	9.27E-08
703	567247.65	4216802.29	4.93E-07	5.32E-07	1.03E-06	4.28E-07	4.71E-07	8.99E-07	5.17E-08	7.63E-08	1.28E-07	4.50E-08	4.70E-08	9.20E-08
704	567239.74	4216796.78	4.87E-07	5.25E-07	1.01E-06	4.22E-07	4.65E-07	8.87E-07	5.10E-08	7.53E-08	1.26E-07	4.44E-08	4.64E-08	9.08E-08
705	567216.02	4216780.23	4.48E-07	4.84E-07	9.32E-07	3.89E-07	4.28E-07	8.17E-07	4.70E-08	6.94E-08	1.16E-07	4.09E-08	4.27E-08	8.37E-08
706	567208.11	4216774.72	4.31E-07	4.66E-07	8.97E-07	3.74E-07	4.12E-07	7.86E-07	4.52E-08	6.68E-08	1.12E-07	3.94E-08	4.11E-08	8.05E-08
707	567200.21	4216769.21	4.13E-07	4.46E-07	8.60E-07	3.59E-07	3.95E-07	7.54E-07	4.34E-08	6.40E-08	1.07E-07	3.78E-08	3.94E-08	7.72E-08
708	567192.3	4216763.69	3.95E-07	4.26E-07	8.21E-07	3.42E-07	3.77E-07	7.20E-07	4.14E-08	6.11E-08	1.03E-07	3.61E-08	3.76E-08	7.37E-08
709	567184.39	4216758.18	3.75E-07	4.05E-07	7.81E-07	3.26E-07	3.59E-07	6.84E-07	3.94E-08	5.81E-08	9.75E-08	3.43E-08	3.58E-08	7.01E-08
710	567176.49	4216752.66	3.56E-07	3.84E-07	7.40E-07	3.09E-07	3.40E-07	6.49E-07	3.73E-08	5.51E-08	9.24E-08	3.25E-08	3.39E-08	6.64E-08
711	567168.58	4216747.15	3.37E-07	3.63E-07	7.00E-07	2.92E-07	3.22E-07	6.14E-07	3.53E-08	5.21E-08	8.74E-08	3.08E-08	3.21E-08	6.29E-08
712	567160.67	4216741.63	3.18E-07	3.44E-07	6.62E-07	2.76E-07	3.04E-07	5.80E-07	3.34E-08	4.93E-08	8.26E-08	2.91E-08	3.03E-08	5.94E-08
713	567282.08	4216818.59	4.61E-07	4.98E-07	9.59E-07	4.00E-07	4.40E-07	8.40E-07	4.84E-08	7.14E-08	1.20E-07	4.21E-08	4.39E-08	8.61E-08
714	567287.07	4216826.55	4.75E-07	5.13E-07	9.87E-07	4.12E-07	4.54E-07	8.65E-07	4.98E-08	7.35E-08	1.23E-07	4.34E-08	4.53E-08	8.86E-08
715	567292.05	4216834.52	4.87E-07	5.26E-07	1.01E-06	4.23E-07	4.65E-07	8.88E-07	5.11E-08	7.54E-08	1.26E-07	4.45E-08	4.64E-08	9.09E-08
716	567297.04	4216842.48	4.98E-07	5.37E-07	1.03E-06	4.32E-07	4.75E-07	9.07E-07	5.22E-08	7.70E-08	1.29E-07	4.55E-08	4.74E-08	9.29E-08
717	567307.02	4216858.4	5.13E-07	5.54E-07	1.07E-06	4.45E-07	4.90E-07	9.35E-07	5.38E-08	7.94E-08	1.33E-07	4.69E-08	4.89E-08	9.58E-08
718	567312	4216866.36	5.18E-07	5.59E-07	1.08E-06	4.50E-07	4.95E-07	9.45E-07	5.44E-08	8.02E-08	1.35E-07	4.73E-08	4.94E-08	9.67E-08
719	567316.99	4216874.32	5.22E-07	5.63E-07	1.09E-06	4.53E-07	4.98E-07	9.51E-07	5.47E-08	8.08E-08	1.35E-07	4.77E-08	4.97E-08	9.74E-08
720	567321.98	4216882.29	5.24E-07	5.65E-07	1.09E-06	4.55E-07	5.00E-07	9.55E-07	5.49E-08	8.11E-08	1.36E-07	4.79E-08	4.99E-08	9.78E-08
721	567324.69	4216899.36	5.65E-07	6.10E-07	1.18E-06	4.90E-07	5.40E-07	1.03E-06	5.93E-08	8.75E-08	1.47E-07	5.16E-08	5.39E-08	1.06E-07
722	567322.41	4216908.48	6.10E-07	6.59E-07	1.27E-06	5.29E-07	5.83E-07	1.11E-06	6.40E-08	9.44E-08	1.58E-07	5.57E-08	5.82E-08	1.14E-07
723	567320.14	4216917.59	6.59E-07	7.12E-07	1.37E-06	5.72E-07	6.30E-07	1.20E-06	6.91E-08	1.02E-07	1.71E-07	6.02E-08	6.28E-08	1.23E-07
724	567313.31	4216944.93	8.29E-07	8.94E-07	1.72E-06	7.19E-07	7.91E-07	1.51E-06	8.69E-08	1.28E-07	2.15E-07	7.57E-08	7.90E-08	1.55E-07
725	567311.03	4216954.05	8.90E-07	9.60E-07	1.85E-06	7.72E-07	8.50E-07	1.62E-06	9.33E-08	1.38E-07	2.31E-07	8.13E-08	8.48E-08	1.66E-07
726	567277.09	4216810.63	4.46E-07	4.81E-07	9.27E-07	3.87E-07	4.26E-07	8.13E-07	4.68E-08	6.90E-08	1.16E-07	4.07E-08	4.25E-08	8.32E-08
727	567269.19	4216805.12	4.46E-07	4.82E-07	9.28E-07	3.87E-07	4.26E-07	8.14E-07	4.68E-08	6.91E-08	1.16E-07	4.08E-08	4.25E-08	8.33E-08
728	567261.28	4216799.6	4.45E-07	4.80E-07	9.25E-07	3.86E-07	4.25E-07	8.11E-07	4.66E-08	6.88E-08	1.15E-07	4.06E-08	4.24E-08	8.30E-08
729	567253.37	4216794.09	4.41E-07	4.76E-07	9.17E-07	3.83E-07	4.21E-07	8.04E-07	4.63E-08	6.83E-08	1.15E-07	4.03E-08	4.20E-08	8.23E-08
730	567245.46	4216788.57	4.36E-07	4.70E-07	9.06E-07	3.78E-07	4.16E-07	7.94E-07	4.57E-08	6.74E-08	1.13E-07	3.98E-08	4.15E-08	8.13E-08
731	567221.74	4216772.03	4.03E-07	4.35E-07	8.38E-07	3.50E-07	3.85E-07	7.35E-07	4.23E-08	6.24E-08	1.05E-07	3.68E-08	3.84E-08	7.52E-08
732	567213.84	4216766.52	3.89E-07	4.20E-07	8.08E-07	3.37E-07	3.71E-07	7.09E-07	4.08E-08	6.02E-08	1.01E-07	3.55E-08	3.71E-08	7.26E-08
733	567205.93	4216761	3.73E-07	4.03E-07	7.77E-07	3.24E-07	3.57E-07	6.81E-07	3.92E-08	5.78E-08	9.70E-08	3.41E-08	3.56E-08	6.97E-08
734	567198.02	4216755.49	3.57E-07	3.86E-07	7.43E-07	3.10E-07	3.41E-07	6.52E-07	3.75E-08	5.53E-08	9.28E-08	3.27E-08	3.41E-08	6.67E-08
735	567190.11	4216749.97	3.41E-07	3.68E-07	7.09E-07	2.96E-07	3.26E-07	6.21E-07	3.58E-08	5.28E-08	8.85E-08	3.11E-08	3.25E-08	6.36E-08
736	567182.21	4216744.46	3.24E-07	3.50E-07	6.74E-07	2.81E-07	3.10E-07	5.91E-07	3.40E-08	5.02E-08	8.42E-08	2.96E-08	3.09E-08	6.05E-08
737	567174.3	4216738.95	3.08E-07	3.32E-07	6.40E-07	2.67E-07	2.94E-07	5.61E-07	3.23E-08	4.76E-08	7.99E-08	2.81E-08	2.93E-08	5.74E-08
738	567166.39	4216733.43	2.92E-07	3.15E-07	6.07E-07	2.53E-07	2.79E-07	5.32E-07	3.06E-08	4.52E-08	7.58E-08	2.67E-08	2.78E-08	5.45E-08
739	567287.72	4216810.27	4.16E-07	4.49E-07	8.66E-07	3.61E-07	3.98E-07	7.59E-07	4.37E-08	6.45E-08	1.08E-07	3.80E-08	3.97E-08	7.77E-08
740	567297.55	4216825.95	4.39E-07	4.74E-07	9.14E-07	3.81E-07	4.20E-07	8.01E-07	4.61E-08	6.80E-08	1.14E-07	4.01E-08	4.19E-08	8.20E-08
741	567302.46	4216833.79	4.49E-07	4.85E-07	9.34E-07	3.90E-07	4.29E-07	8.18E-07	4.71E-08	6.95E-08	1.17E-07	4.10E-08	4.28E-08	8.38E-08
742	567317.2	4216857.32	4.69E-07	5.06E-07	9.74E-07	4.07E-07	4.48E-07	8.54E-07	4.91E-08	7.25E-08	1.22E-07	4.28E-08	4.47E-08	8.75E-08
743	567327.02	4216873	4.75E-07	5.12E-07	9.87E-07	4.12E-07	4.53E-07	8.65E-07	4.98E-08	7.35E-08	1.23E-07	4.34E-08	4.52E-08	8.86E-08
744	567331.93	4216880.84	4.76E-07	5.14E-07	9.90E-07	4.13E-07	4.55E-07	8.67E-07	4.99E-08	7.37E-08	1.24E-07	4.35E-08	4.54E-08	8.88E-08
745	567334.6	4216897.66	5.10E-07	5.51E-07	1.06E-06	4.43E-07	4.87E-07	9.30E-07	5.35E-08	7.90E-08	1.32E-07	4.66E-08	4.86E-08	9.52E-08
746	567332.36	4216906.63	5.47E-07	5.91E-07	1.14E-06	4.75E-07	5.23E-07	9.98E-07	5.74E-08	8.47E-08	1.42E-07	5.00E-08	5.22E-08	1.02E-07
747	567330.12	4216915.61	5.89E-07	6.35E-07	1.22E-06	5.11E-07	5.62E-07	1.07E-06	6.17E-08	9.11E-08	1.53E-07	5.38E-08	5.61E-08	1.10E-07
748	567323.39	4216942.54	7.32E-07	7.90E-07	1.52E-06	6.35E-07	6.99E-07	1.33E-06	7.68E-08	1.13E-07	1.90E-07	6.69E-08	6.98E-08	1.37E-07
749	567321.15	4216951.51	7.83E-07	8.45E-07	1.63E-06	6.79E-07	7.48E-07	1.43E-06	8.21E-08	1.21E-07	2.03E-07	7.15E-08	7.46E-08	1.46E-07
750	567282.81	4216802.43	4.03E-07	4.35E-07	8.38E-07	3.50E-07	3.85E-07	7.35E-07	4.23E-08	6.24E-08	1.05E-07	3.68E-08	3.84E-08	7.53E-08
751	567274.91	4216796.91	4.03E-07	4.35E-07	8.38E-07	3.50E-07	3.85E-07	7.34E-07	4.23E-08	6.24E-08	1.05E-07	3.68E-08	3.84E-08	7.52E-08
752	567267	4216791.4	4.01E-07	4.33E-07	8.34E-07	3.48E-07	3.83E-07	7.31E-07	4.21E-08	6.21E-08	1.04E-07	3.66E-08	3.82E-08	7.49E-08
753	567259.09	4216785.89	3.97E-07	4.29E-07	8.27E-07	3.45E-07	3.80E-07	7.25E-07	4.17E-08	6.15E-08	1.03E-07	3.63E-08	3.79E-08	7.42E-08
754	567235.37	4216769.34	3.76E-07	4.06E-07	7.82E-07	3.26E-07	3.59E-07	6.86E-07	3.94E-08	5.82E-08	9.77E-08	3.44E-08	3.58E-08	7.02E-08
755	567227.46	4216763.83	3.65E-07	3.94E-07	7.59E-07	3.17E-07	3.49E-07	6.65E-07	3.83E-08	5.65E-08	9.48E-08	3.33E-08	3.48E-08	6.81E-08
756	567219.56	4216758.31	3.53E-07	3.81E-07	7.33E-07	3.06E-07	3.37E-07	6.43E-07	3.70E-08	5.46E-08	9.15E-08	3.22E-08	3.36E-08	6.58E-08
757	567211.65	4216752.8	3.39E-07	3.66E-07	7.06E-07	2.94E-07	3.24E-07	6.19E-07	3.56E-08	5.25E-08	8.81E-08	3.10E-08	3.23E-08	6.33E-08
758	567203.74	4216747.29	3.25E-07	3.51E-07	6.77E-07	2.82E-07	3.11E-07	5.93E-07	3.41E-08	5.04E-08	8.45E-08	2.97E-08	3.10E-08	6.08E-08
759	567195.83	4216741.77	3.11E-07	3.36E-07	6.47E-07	2.70E-07	2.97E-07	5.67E-07	3.26E-08	4.82E-08	8.08E-08	2.84E-08	2.97E-08	5.81E-08
760	567187.93	4216736.26	2.97E-07	3.21E-07	6.17E-07	2.58E-07	2.84E-07	5.41E-07	3.11E-08	4.60E-08	7.71E-08	2.71E-08	2.83E-08	5.54E-08
761	567180.02	4216730.74	2.83E-07	3.05E-07	5.88E-07	2.45E-07	2.70E-07	5.15E-07	2.97E-08	4.38E-08	7.34E-08	2.58E-08	2.69E-08	5.28E-08
762	567172.11	4216725.23	2.69E-07	2.90E-07	5.59E-07	2.33E-07	2.57E-07	4.90E-07	2.82E-08	4.16E-08	6.98E-08	2.46E-08	2.56E-08	5.02E-08
763	567293.38	4216801.97	3.78E-07	4.08E-07	7.87E-07	3.28E-07	3.61E-07	6.90E-07	3.97E-08	5.86E-08	9.82E-08	3.46E-08	3.61E-08	7.06E-08
764	567303.08	4216817.45	3.99E-07	4.30E-07	8.29E-07	3.46E-07	3.81E-07	7.27E-07	4.18E-08	6.17E-08	1.04E-07	3.64E-08	3.80E-08	7.44E-08
765	567312.78	4216832.93	4.15E-07	4.48E-07	8.63E-07	3.60E-07	3.96E-07	7.56E-07	4.35E-08	6.42E-08	1.08E-07	3.79E-08	3.95E-08	7.74E-08
766	567332.17	4216863.89	4.32E-07	4.67E-07	8.99E-07	3.75E-07	4.13E-07	7.88E-07	4.53E-08	6.69E-08	1.12E-07	3.95E-08	4.12E-08	8.07E-08

767	567341.87	4216879.37	4.34E-07	4.69E-07	9.03E-07	3.77E-07	4.15E-07	7.92E-07	4.56E-08	6.72E-08	1.13E-07	3.97E-08	4.14E-08	8.11E-08
768	567344.51	4216895.97	4.63E-07	5.00E-07	9.63E-07	4.02E-07	4.42E-07	8.44E-07	4.86E-08	7.17E-08	1.20E-07	4.23E-08	4.41E-08	8.64E-08
769	567342.29	4216904.83	4.95E-07	5.34E-07	1.03E-06	4.29E-07	4.72E-07	9.01E-07	5.19E-08	7.65E-08	1.28E-07	4.52E-08	4.71E-08	9.23E-08
770	567333.44	4216940.28	6.50E-07	7.02E-07	1.35E-06	5.64E-07	6.21E-07	1.19E-06	6.82E-08	1.01E-07	1.69E-07	5.94E-08	6.20E-08	1.21E-07
771	567329.01	4216958	7.40E-07	7.99E-07	1.54E-06	6.42E-07	7.07E-07	1.35E-06	7.76E-08	1.15E-07	1.92E-07	6.76E-08	7.06E-08	1.38E-07
772	567288.53	4216794.23	3.67E-07	3.96E-07	7.62E-07	3.18E-07	3.50E-07	6.68E-07	3.85E-08	5.67E-08	9.52E-08	3.35E-08	3.49E-08	6.84E-08
773	567280.63	4216788.71	3.66E-07	3.95E-07	7.61E-07	3.17E-07	3.50E-07	6.67E-07	3.84E-08	5.66E-08	9.50E-08	3.34E-08	3.49E-08	6.83E-08
774	567272.72	4216783.2	3.64E-07	3.93E-07	7.57E-07	3.16E-07	3.48E-07	6.63E-07	3.82E-08	5.63E-08	9.45E-08	3.32E-08	3.47E-08	6.79E-08
775	567249	4216766.65	3.50E-07	3.78E-07	7.29E-07	3.04E-07	3.35E-07	6.39E-07	3.68E-08	5.43E-08	9.10E-08	3.20E-08	3.34E-08	6.54E-08
776	567241.09	4216761.14	3.42E-07	3.69E-07	7.11E-07	2.97E-07	3.27E-07	6.23E-07	3.59E-08	5.29E-08	8.88E-08	3.12E-08	3.26E-08	6.38E-08
777	567233.18	4216755.63	3.32E-07	3.59E-07	6.91E-07	2.88E-07	3.17E-07	6.05E-07	3.48E-08	5.14E-08	8.63E-08	3.03E-08	3.17E-08	6.20E-08
778	567225.28	4216750.11	3.21E-07	3.47E-07	6.68E-07	2.79E-07	3.07E-07	5.86E-07	3.37E-08	4.97E-08	8.35E-08	2.94E-08	3.06E-08	6.00E-08
779	567217.37	4216744.6	3.10E-07	3.35E-07	6.44E-07	2.69E-07	2.96E-07	5.65E-07	3.25E-08	4.80E-08	8.05E-08	2.83E-08	2.95E-08	5.79E-08
780	567209.46	4216739.08	2.98E-07	3.22E-07	6.19E-07	2.58E-07	2.85E-07	5.43E-07	3.12E-08	4.61E-08	7.74E-08	2.72E-08	2.84E-08	5.56E-08
781	567201.55	4216733.57	2.86E-07	3.08E-07	5.94E-07	2.48E-07	2.73E-07	5.21E-07	3.00E-08	4.42E-08	7.42E-08	2.61E-08	2.72E-08	5.33E-08
782	567193.65	4216728.05	2.73E-07	2.95E-07	5.68E-07	2.37E-07	2.61E-07	4.98E-07	2.87E-08	4.23E-08	7.09E-08	2.50E-08	2.60E-08	5.10E-08
783	567185.74	4216722.54	2.61E-07	2.82E-07	5.43E-07	2.26E-07	2.49E-07	4.76E-07	2.74E-08	4.04E-08	6.78E-08	2.38E-08	2.49E-08	4.87E-08
784	567177.83	4216717.03	2.49E-07	2.69E-07	5.18E-07	2.16E-07	2.38E-07	4.54E-07	2.61E-08	3.86E-08	6.47E-08	2.28E-08	2.37E-08	4.65E-08
785	567299.05	4216793.68	3.45E-07	3.72E-07	7.17E-07	2.99E-07	3.30E-07	6.29E-07	3.62E-08	5.34E-08	8.96E-08	3.15E-08	3.29E-08	6.44E-08
786	567303.84	4216801.33	3.54E-07	3.83E-07	7.37E-07	3.08E-07	3.39E-07	6.46E-07	3.72E-08	5.49E-08	9.21E-08	3.24E-08	3.38E-08	6.62E-08
787	567313.44	4216816.65	3.72E-07	4.01E-07	7.73E-07	3.22E-07	3.55E-07	6.77E-07	3.90E-08	5.75E-08	9.65E-08	3.39E-08	3.54E-08	6.94E-08
788	567318.23	4216824.3	3.78E-07	4.08E-07	7.87E-07	3.28E-07	3.61E-07	6.90E-07	3.97E-08	5.86E-08	9.83E-08	3.46E-08	3.61E-08	7.06E-08
789	567342.21	4216862.58	3.97E-07	4.29E-07	8.26E-07	3.45E-07	3.79E-07	7.24E-07	4.17E-08	6.15E-08	1.03E-07	3.63E-08	3.79E-08	7.41E-08
790	567351.8	4216877.89	3.98E-07	4.30E-07	8.28E-07	3.46E-07	3.81E-07	7.26E-07	4.18E-08	6.17E-08	1.03E-07	3.64E-08	3.80E-08	7.44E-08
791	567354.41	4216894.31	4.23E-07	4.56E-07	8.79E-07	3.67E-07	4.04E-07	7.70E-07	4.43E-08	6.54E-08	1.10E-07	3.86E-08	4.03E-08	7.89E-08
792	567350.03	4216911.84	4.78E-07	5.16E-07	9.95E-07	4.15E-07	4.57E-07	8.72E-07	5.02E-08	7.40E-08	1.24E-07	4.37E-08	4.56E-08	8.93E-08
793	567341.27	4216946.89	6.20E-07	6.69E-07	1.29E-06	5.38E-07	5.92E-07	1.13E-06	6.50E-08	9.60E-08	1.61E-07	5.66E-08	5.91E-08	1.16E-07
794	567336.89	4216964.42	7.01E-07	7.56E-07	1.46E-06	6.08E-07	6.69E-07	1.28E-06	7.35E-08	1.08E-07	1.82E-07	6.40E-08	6.68E-08	1.31E-07
795	567286.35	4216780.51	3.34E-07	3.61E-07	6.95E-07	2.90E-07	3.19E-07	6.09E-07	3.50E-08	5.17E-08	8.67E-08	3.05E-08	3.18E-08	6.24E-08
796	567262.62	4216763.97	3.24E-07	3.50E-07	6.74E-07	2.81E-07	3.10E-07	5.91E-07	3.40E-08	5.02E-08	8.42E-08	2.96E-08	3.09E-08	6.05E-08
797	567254.72	4216758.45	3.19E-07	3.45E-07	6.64E-07	2.77E-07	3.05E-07	5.82E-07	3.35E-08	4.95E-08	8.30E-08	2.92E-08	3.05E-08	5.96E-08
798	567246.81	4216752.94	3.13E-07	3.37E-07	6.50E-07	2.71E-07	2.99E-07	5.70E-07	3.28E-08	4.84E-08	8.12E-08	2.86E-08	2.98E-08	5.84E-08
799	567238.9	4216747.42	3.04E-07	3.28E-07	6.32E-07	2.64E-07	2.90E-07	5.54E-07	3.19E-08	4.70E-08	7.89E-08	2.78E-08	2.90E-08	5.67E-08
800	567231	4216741.91	2.94E-07	3.18E-07	6.12E-07	2.55E-07	2.81E-07	5.37E-07	3.09E-08	4.56E-08	7.65E-08	2.69E-08	2.81E-08	5.50E-08
801	567223.09	4216736.4	2.84E-07	3.07E-07	5.91E-07	2.47E-07	2.72E-07	5.18E-07	2.98E-08	4.40E-08	7.39E-08	2.60E-08	2.71E-08	5.31E-08
802	567215.18	4216730.88	2.74E-07	2.96E-07	5.70E-07	2.38E-07	2.62E-07	4.99E-07	2.87E-08	4.24E-08	7.11E-08	2.50E-08	2.61E-08	5.11E-08
803	567207.27	4216725.37	2.63E-07	2.84E-07	5.47E-07	2.28E-07	2.51E-07	4.80E-07	2.76E-08	4.08E-08	6.84E-08	2.40E-08	2.51E-08	4.91E-08
804	567199.37	4216719.85	2.53E-07	2.73E-07	5.25E-07	2.19E-07	2.41E-07	4.60E-07	2.65E-08	3.91E-08	6.56E-08	2.31E-08	2.41E-08	4.72E-08
805	567191.46	4216714.34	2.42E-07	2.61E-07	5.03E-07	2.10E-07	2.31E-07	4.41E-07	2.54E-08	3.75E-08	6.28E-08	2.21E-08	2.31E-08	4.52E-08
806	567305.09	4216785.99	3.17E-07	3.42E-07	6.58E-07	2.75E-07	3.02E-07	5.77E-07	3.32E-08	4.90E-08	8.22E-08	2.89E-08	3.02E-08	5.91E-08
807	567310.2	4216794.15	3.26E-07	3.52E-07	6.77E-07	2.83E-07	3.11E-07	5.94E-07	3.42E-08	5.04E-08	8.46E-08	2.97E-08	3.10E-08	6.08E-08
808	567315.32	4216802.32	3.34E-07	3.61E-07	6.95E-07	2.90E-07	3.19E-07	6.09E-07	3.51E-08	5.17E-08	8.68E-08	3.05E-08	3.19E-08	6.24E-08
809	567320.43	4216810.48	3.42E-07	3.69E-07	7.11E-07	2.97E-07	3.27E-07	6.24E-07	3.59E-08	5.30E-08	8.88E-08	3.12E-08	3.26E-08	6.39E-08
810	567325.55	4216818.65	3.49E-07	3.77E-07	7.26E-07	3.03E-07	3.33E-07	6.36E-07	3.66E-08	5.40E-08	9.06E-08	3.19E-08	3.33E-08	6.51E-08
811	567330.66	4216826.82	3.54E-07	3.83E-07	7.37E-07	3.08E-07	3.39E-07	6.46E-07	3.72E-08	5.49E-08	9.20E-08	3.24E-08	3.38E-08	6.62E-08
812	567335.78	4216834.98	3.59E-07	3.87E-07	7.46E-07	3.11E-07	3.43E-07	6.54E-07	3.76E-08	5.55E-08	9.32E-08	3.28E-08	3.42E-08	6.70E-08
813	567346.01	4216851.31	3.65E-07	3.93E-07	7.58E-07	3.16E-07	3.48E-07	6.64E-07	3.82E-08	5.64E-08	9.47E-08	3.33E-08	3.47E-08	6.80E-08
814	567351.13	4216859.48	3.66E-07	3.95E-07	7.61E-07	3.18E-07	3.50E-07	6.67E-07	3.84E-08	5.67E-08	9.50E-08	3.34E-08	3.49E-08	6.83E-08
815	567361.8	4216902.67	4.14E-07	4.47E-07	8.60E-07	3.59E-07	3.95E-07	7.54E-07	4.34E-08	6.40E-08	1.07E-07	3.78E-08	3.94E-08	7.72E-08
816	567354.8	4216930.72	5.03E-07	5.43E-07	1.05E-06	4.37E-07	4.81E-07	9.17E-07	5.28E-08	7.79E-08	1.31E-07	4.60E-08	4.80E-08	9.39E-08
817	567352.46	4216940.07	5.38E-07	5.81E-07	1.12E-06	4.67E-07	5.14E-07	9.81E-07	5.64E-08	8.33E-08	1.40E-07	4.91E-08	5.13E-08	1.00E-07
818	567350.13	4216949.41	5.75E-07	6.21E-07	1.20E-06	4.99E-07	5.49E-07	1.05E-06	6.03E-08	8.90E-08	1.49E-07	5.25E-08	5.48E-08	1.07E-07
819	567347.79	4216958.76	6.14E-07	6.62E-07	1.28E-06	5.32E-07	5.86E-07	1.12E-06	6.44E-08	9.50E-08	1.59E-07	5.61E-08	5.85E-08	1.15E-07
820	567345.46	4216968.11	6.53E-07	7.05E-07	1.36E-06	5.66E-07	6.24E-07	1.19E-06	6.85E-08	1.01E-07	1.70E-07	5.96E-08	6.22E-08	1.22E-07
821	567299.97	4216777.82	3.07E-07	3.32E-07	6.39E-07	2.67E-07	2.93E-07	5.60E-07	3.22E-08	4.76E-08	7.98E-08	2.81E-08	2.93E-08	5.73E-08
822	567276.25	4216761.28	3.01E-07	3.25E-07	6.26E-07	2.61E-07	2.88E-07	5.49E-07	3.16E-08	4.66E-08	7.82E-08	2.75E-08	2.87E-08	5.62E-08
823	567268.34	4216755.76	2.97E-07	3.21E-07	6.17E-07	2.58E-07	2.84E-07	5.41E-07	3.11E-08	4.60E-08	7.71E-08	2.71E-08	2.83E-08	5.54E-08
824	567260.44	4216750.25	2.93E-07	3.16E-07	6.09E-07	2.54E-07	2.80E-07	5.34E-07	3.07E-08	4.53E-08	7.60E-08	2.67E-08	2.79E-08	5.46E-08
825	567252.53	4216744.74	2.87E-07	3.10E-07	5.97E-07	2.49E-07	2.74E-07	5.23E-07	3.01E-08	4.44E-08	7.45E-08	2.62E-08	2.74E-08	5.36E-08
826	567244.62	4216739.22	2.79E-07	3.02E-07	5.81E-07	2.42E-07	2.67E-07	5.09E-07	2.93E-08	4.33E-08	7.26E-08	2.55E-08	2.66E-08	5.22E-08
827	567236.72	4216733.71	2.71E-07	2.93E-07	5.64E-07	2.35E-07	2.59E-07	4.94E-07	2.84E-08	4.20E-08	7.04E-08	2.48E-08	2.58E-08	5.06E-08
828	567228.81	4216728.19	2.62E-07	2.83E-07	5.45E-07	2.27E-07	2.50E-07	4.78E-07	2.75E-08	4.06E-08	6.81E-08	2.39E-08	2.50E-08	4.89E-08
829	567220.9	4216722.68	2.53E-07	2.73E-07	5.26E-07	2.20E-07	2.42E-07	4.61E-07	2.65E-08	3.92E-08	6.57E-08	2.31E-08	2.41E-08	4.72E-08
830	567212.99	4216717.16	2.44E-07	2.63E-07	5.07E-07	2.11E-07	2.33E-07	4.44E-07	2.56E-08	3.77E-08	6.33E-08	2.23E-08	2.32E-08	4.55E-08
831	567205.09	4216711.65	2.34E-07	2.53E-07	4.88E-07	2.03E-07	2.24E-07	4.27E-07	2.46E-08	3.63E-08	6.09E-08	2.14E-08	2.23E-08	4.38E-08
832	567310.74	4216777.68	2.92E-07	3.15E-07	6.06E-07	2.53E-07	2.78E-07	5.31E-07	3.06E-08	4.51E-08	7.57E-08	2.66E-08	2.78E-08	5.44E-08
833	567315.79	4216785.73	2.99E-07	3.23E-07	6.22E-07	2.60E-07	2.86E-07	5.45E-07	3.14E-08	4.63E-08	7.77E-08	2.73E-08	2.85E-08	5.58E-08
834	567320.83	4216793.79	3.07E-07	3.31E-07	6.38E-07	2.66E-07	2.93E-07	5.59E-07	3.22E-08	4.75E-08	7.97E-08	2.80E-08	2.92E-08	5.73E-08
835	567325.88	4216801.84	3.14E-07	3.39E-07	6.53E-07	2.72E-07	3.00E-07	5.72E-07	3.29E-08	4.86E-08	8.16E-08	2.87E-08	2.99E-08	5.86E-08
836	567330.93	4216809.9	3.21E-07	3.46E-07	6.67E-07	2.78E-07	3.06E-07	5.84E-07	3.36E-08	4.96E-08	8.33E-08	2.93E-08	3.06E-08	5.99E-08
837	567335.97	4216817.96	3.26E-07	3.52E-07	6.78E-07	2.83E-07	3.12E-07	5.94E-07	3.42E-08	5.05E-08	8.47E-08	2.98E-08	3.11E-08	6.09E-08
838	567371.3	4216874.35	3.39E-07	3.66E-07	7.04E-07	2.94E-07	3.24E-07	6.17E-07	3.55E-08	5.24E-08	8.80E-08	3.09E-08	3.23E-08	6.32E-08
839	567364.83	4216928.52	4.56E-07	4.92E-07	9.48E-07	3.96E-07	4.36E-07	8.31E-07	4.78E-08	7.06E-08	1.18E-07	4.17E-08	4.35E-08	8.51E-08
840	567362.52	4216937.75	4.86E-07	5.25E-07	1.01E-06	4.22E-07	4.64E-07	8.86E-07	5.10E-08	7.52E-08	1.26E-07	4.44E-08	4.63E-08	9.07E-08
841	567360.22	4216946.97	5.17E-07	5.59E-07	1.08E-06	4.49E-07	4.94E-07	9.43E-07	5.43E-08	8.01E-08	1.34E-07	4.73E-08	4.93E-08	9.66E-08
842	567357.92	4216956.19	5.51E-07	5.95E-07	1.15E-06	4.78E-07	5.26E-07	1.00E-06	5.78E-08	8.53E-08	1.43E-07	5.03E-08	5.25E-08	1.03E-07
843	567355.61	4216965.42	5.86E-07	6.32E-07	1.22E-06	5.08E-07	5.59E-07	1.07E-06	6.14E-08	9.06E-08	1.52E-07	5.35E-08	5.58E-08	1.09E-07

844	567289.88	4216758.59	2.8E-07	3.02E-07	5.82E-07	2.43E-07	2.68E-07	5.11E-07	2.94E-08	4.34E-08	7.27E-08	2.56E-08	2.67E-08	5.23E-08
845	567281.97	4216753.08	2.77E-07	2.99E-07	5.76E-07	2.40E-07	2.65E-07	5.05E-07	2.91E-08	4.29E-08	7.20E-08	2.53E-08	2.64E-08	5.17E-08
846	567274.06	4216747.56	2.74E-07	2.95E-07	5.69E-07	2.37E-07	2.61E-07	4.99E-07	2.87E-08	4.24E-08	7.11E-08	2.50E-08	2.61E-08	5.11E-08
847	567266.16	4216742.05	2.7E-07	2.91E-07	5.61E-07	2.34E-07	2.58E-07	4.92E-07	2.83E-08	4.17E-08	7.00E-08	2.46E-08	2.57E-08	5.03E-08
848	567258.25	4216736.53	2.65E-07	2.86E-07	5.50E-07	2.30E-07	2.53E-07	4.82E-07	2.78E-08	4.10E-08	6.87E-08	2.42E-08	2.52E-08	4.94E-08
849	567250.34	4216731.02	2.58E-07	2.78E-07	5.36E-07	2.24E-07	2.46E-07	4.70E-07	2.71E-08	3.99E-08	6.70E-08	2.36E-08	2.46E-08	4.82E-08
850	567242.44	4216725.5	2.51E-07	2.70E-07	5.21E-07	2.17E-07	2.39E-07	4.57E-07	2.63E-08	3.88E-08	6.51E-08	2.29E-08	2.39E-08	4.68E-08
851	567234.53	4216719.99	2.43E-07	2.62E-07	5.05E-07	2.11E-07	2.32E-07	4.42E-07	2.54E-08	3.76E-08	6.30E-08	2.22E-08	2.31E-08	4.53E-08
852	567226.62	4216714.48	2.35E-07	2.53E-07	4.88E-07	2.04E-07	2.24E-07	4.28E-07	2.46E-08	3.63E-08	6.09E-08	2.14E-08	2.24E-08	4.38E-08
853	567218.71	4216708.96	2.26E-07	2.44E-07	4.71E-07	1.96E-07	2.16E-07	4.13E-07	2.37E-08	3.50E-08	5.88E-08	2.07E-08	2.16E-08	4.23E-08
854	567316.4	4216769.38	2.7E-07	2.91E-07	5.61E-07	2.34E-07	2.58E-07	4.91E-07	2.83E-08	4.17E-08	7.00E-08	2.46E-08	2.57E-08	5.03E-08
855	567321.39	4216777.34	2.77E-07	2.98E-07	5.75E-07	2.40E-07	2.64E-07	5.04E-07	2.90E-08	4.28E-08	7.18E-08	2.53E-08	2.64E-08	5.16E-08
856	567326.38	4216785.3	2.83E-07	3.05E-07	5.89E-07	2.46E-07	2.70E-07	5.16E-07	2.97E-08	4.38E-08	7.35E-08	2.59E-08	2.70E-08	5.28E-08
857	567366.27	4216848.99	3.13E-07	3.38E-07	6.52E-07	2.72E-07	2.99E-07	5.71E-07	3.29E-08	4.85E-08	8.14E-08	2.86E-08	2.99E-08	5.85E-08
858	567371.26	4216856.96	3.14E-07	3.38E-07	6.52E-07	2.72E-07	3.00E-07	5.72E-07	3.29E-08	4.85E-08	8.14E-08	2.86E-08	2.99E-08	5.85E-08
859	567376.25	4216864.92	3.14E-07	3.38E-07	6.52E-07	2.72E-07	2.99E-07	5.72E-07	3.29E-08	4.85E-08	8.14E-08	2.86E-08	2.99E-08	5.85E-08
860	567381.24	4216872.88	3.13E-07	3.38E-07	6.52E-07	2.72E-07	2.99E-07	5.71E-07	3.29E-08	4.85E-08	8.14E-08	2.86E-08	2.99E-08	5.85E-08
861	567383.95	4216889.95	3.3E-07	3.56E-07	6.85E-07	2.86E-07	3.15E-07	6.01E-07	3.46E-08	5.10E-08	8.56E-08	3.01E-08	3.14E-08	6.15E-08
862	567381.67	4216899.07	3.48E-07	3.76E-07	7.23E-07	3.02E-07	3.32E-07	6.34E-07	3.65E-08	5.39E-08	9.03E-08	3.18E-08	3.32E-08	6.49E-08
863	567374.84	4216926.41	4.15E-07	4.49E-07	8.64E-07	3.60E-07	3.97E-07	7.57E-07	4.36E-08	6.43E-08	1.08E-07	3.80E-08	3.96E-08	7.76E-08
864	567372.56	4216935.53	4.42E-07	4.77E-07	9.19E-07	3.83E-07	4.22E-07	8.05E-07	4.63E-08	6.84E-08	1.15E-07	4.04E-08	4.21E-08	8.25E-08
865	567370.29	4216944.64	4.68E-07	5.06E-07	9.74E-07	4.06E-07	4.47E-07	8.54E-07	4.91E-08	7.25E-08	1.22E-07	4.28E-08	4.46E-08	8.74E-08
866	567368.01	4216953.76	4.97E-07	5.36E-07	1.03E-06	4.31E-07	4.75E-07	9.06E-07	5.21E-08	7.69E-08	1.29E-07	4.54E-08	4.74E-08	9.28E-08
867	567365.73	4216962.87	5.27E-07	5.69E-07	1.10E-06	4.57E-07	5.03E-07	9.60E-07	5.53E-08	8.16E-08	1.37E-07	4.81E-08	5.02E-08	9.83E-08
868	567363.46	4216971.99	5.58E-07	6.02E-07	1.16E-06	4.84E-07	5.33E-07	1.02E-06	5.85E-08	8.64E-08	1.45E-07	5.10E-08	5.32E-08	1.04E-07
869	567358.9	4216990.22	6.21E-07	6.70E-07	1.29E-06	5.39E-07	5.93E-07	1.13E-06	6.51E-08	9.61E-08	1.61E-07	5.67E-08	5.92E-08	1.16E-07
870	567356.63	4216999.33	6.5E-07	7.02E-07	1.35E-06	5.64E-07	6.21E-07	1.19E-06	6.82E-08	1.01E-07	1.69E-07	5.94E-08	6.20E-08	1.21E-07
871	567295.6	4216750.39	2.59E-07	2.79E-07	5.38E-07	2.25E-07	2.47E-07	4.72E-07	2.72E-08	4.01E-08	6.72E-08	2.36E-08	2.47E-08	4.83E-08
872	567287.69	4216744.87	2.56E-07	2.76E-07	5.33E-07	2.22E-07	2.45E-07	4.67E-07	2.69E-08	3.96E-08	6.65E-08	2.34E-08	2.44E-08	4.78E-08
873	567279.78	4216739.36	2.53E-07	2.73E-07	5.26E-07	2.19E-07	2.42E-07	4.61E-07	2.65E-08	3.91E-08	6.57E-08	2.31E-08	2.41E-08	4.72E-08
874	567271.88	4216733.85	2.49E-07	2.69E-07	5.18E-07	2.16E-07	2.38E-07	4.54E-07	2.62E-08	3.86E-08	6.47E-08	2.28E-08	2.38E-08	4.65E-08
875	567263.97	4216728.33	2.45E-07	2.64E-07	5.10E-07	2.13E-07	2.34E-07	4.47E-07	2.57E-08	3.79E-08	6.36E-08	2.24E-08	2.34E-08	4.57E-08
876	567256.06	4216722.82	2.39E-07	2.58E-07	4.97E-07	2.07E-07	2.28E-07	4.36E-07	2.51E-08	3.70E-08	6.21E-08	2.18E-08	2.28E-08	4.46E-08
877	567248.16	4216717.3	2.32E-07	2.51E-07	4.83E-07	2.02E-07	2.22E-07	4.24E-07	2.44E-08	3.60E-08	6.04E-08	2.12E-08	2.22E-08	4.34E-08
878	567240.25	4216711.79	2.25E-07	2.43E-07	4.69E-07	1.96E-07	2.15E-07	4.11E-07	2.36E-08	3.49E-08	5.85E-08	2.06E-08	2.15E-08	4.21E-08
879	567232.34	4216706.27	2.18E-07	2.35E-07	4.54E-07	1.89E-07	2.08E-07	3.98E-07	2.29E-08	3.38E-08	5.66E-08	1.99E-08	2.08E-08	4.07E-08
880	567351.68	4216808.36	2.83E-07	3.05E-07	5.88E-07	2.45E-07	2.70E-07	5.16E-07	2.97E-08	4.38E-08	7.35E-08	2.58E-08	2.70E-08	5.28E-08
881	567361.55	4216824.12	2.88E-07	3.11E-07	5.99E-07	2.50E-07	2.75E-07	5.25E-07	3.02E-08	4.46E-08	7.48E-08	2.63E-08	2.75E-08	5.38E-08
882	567376.36	4216847.76	2.91E-07	3.14E-07	6.05E-07	2.52E-07	2.78E-07	5.30E-07	3.05E-08	4.50E-08	7.55E-08	2.66E-08	2.77E-08	5.43E-08
883	567386.23	4216863.52	2.91E-07	3.14E-07	6.05E-07	2.52E-07	2.78E-07	5.30E-07	3.05E-08	4.50E-08	7.56E-08	2.66E-08	2.77E-08	5.43E-08
884	567391.17	4216871.39	2.91E-07	3.14E-07	6.05E-07	2.52E-07	2.78E-07	5.30E-07	3.05E-08	4.50E-08	7.55E-08	2.66E-08	2.77E-08	5.43E-08
885	567393.85	4216888.29	3.05E-07	3.30E-07	6.35E-07	2.65E-07	2.92E-07	5.57E-07	3.20E-08	4.73E-08	7.93E-08	2.79E-08	2.91E-08	5.70E-08
886	567391.59	4216897.31	3.22E-07	3.47E-07	6.69E-07	2.79E-07	3.07E-07	5.86E-07	3.37E-08	4.98E-08	8.35E-08	2.94E-08	3.07E-08	6.00E-08
887	567384.84	4216924.37	3.8E-07	4.10E-07	7.91E-07	3.30E-07	3.63E-07	6.93E-07	3.99E-08	5.88E-08	9.87E-08	3.47E-08	3.62E-08	7.10E-08
888	567382.58	4216933.39	4.03E-07	4.35E-07	8.38E-07	3.50E-07	3.85E-07	7.35E-07	4.23E-08	6.24E-08	1.05E-07	3.68E-08	3.84E-08	7.52E-08
889	567380.33	4216942.41	4.26E-07	4.60E-07	8.87E-07	3.70E-07	4.07E-07	7.77E-07	4.47E-08	6.60E-08	1.11E-07	3.90E-08	4.06E-08	7.96E-08
890	567378.08	4216951.43	4.51E-07	4.87E-07	9.37E-07	3.91E-07	4.31E-07	8.22E-07	4.73E-08	6.98E-08	1.17E-07	4.12E-08	4.30E-08	8.41E-08
891	567375.82	4216960.45	4.77E-07	5.14E-07	9.91E-07	4.13E-07	4.55E-07	8.69E-07	5.00E-08	7.38E-08	1.24E-07	4.35E-08	4.54E-08	8.89E-08
892	567373.57	4216969.47	5.04E-07	5.44E-07	1.05E-06	4.37E-07	4.81E-07	9.18E-07	5.28E-08	7.80E-08	1.31E-07	4.60E-08	4.80E-08	9.40E-08
893	567371.32	4216978.49	5.32E-07	5.74E-07	1.11E-06	4.62E-07	5.08E-07	9.70E-07	5.58E-08	8.24E-08	1.38E-07	4.86E-08	5.07E-08	9.93E-08
894	567366.81	4216996.53	5.88E-07	6.35E-07	1.22E-06	5.10E-07	5.62E-07	1.07E-06	6.17E-08	9.10E-08	1.53E-07	5.37E-08	5.61E-08	1.10E-07
895	567364.56	4217005.55	6.14E-07	6.63E-07	1.28E-06	5.33E-07	5.87E-07	1.12E-06	6.44E-08	9.51E-08	1.60E-07	5.61E-08	5.86E-08	1.15E-07
896	567362.31	4217014.57	6.38E-07	6.89E-07	1.33E-06	5.54E-07	6.10E-07	1.16E-06	6.70E-08	9.88E-08	1.66E-07	5.83E-08	6.08E-08	1.19E-07
897	567309.23	4216747.7	2.42E-07	2.62E-07	5.04E-07	2.10E-07	2.31E-07	4.42E-07	2.54E-08	3.75E-08	6.29E-08	2.21E-08	2.31E-08	4.52E-08
898	567301.32	4216742.19	2.4E-07	2.59E-07	5.00E-07	2.08E-07	2.29E-07	4.38E-07	2.52E-08	3.72E-08	6.24E-08	2.19E-08	2.29E-08	4.48E-08
899	567293.41	4216736.67	2.37E-07	2.56E-07	4.94E-07	2.06E-07	2.27E-07	4.33E-07	2.49E-08	3.67E-08	6.16E-08	2.17E-08	2.26E-08	4.43E-08
900	567285.51	4216731.16	2.34E-07	2.53E-07	4.87E-07	2.03E-07	2.24E-07	4.27E-07	2.46E-08	3.63E-08	6.09E-08	2.14E-08	2.23E-08	4.38E-08
901	567277.6	4216725.64	2.31E-07	2.50E-07	4.81E-07	2.01E-07	2.21E-07	4.21E-07	2.42E-08	3.58E-08	6.00E-08	2.11E-08	2.20E-08	4.32E-08
902	567269.69	4216720.13	2.28E-07	2.46E-07	4.73E-07	1.97E-07	2.17E-07	4.15E-07	2.39E-08	3.52E-08	5.91E-08	2.08E-08	2.17E-08	4.25E-08
903	567261.78	4216714.61	2.22E-07	2.40E-07	4.62E-07	1.93E-07	2.12E-07	4.05E-07	2.33E-08	3.44E-08	5.77E-08	2.03E-08	2.12E-08	4.15E-08
904	567253.88	4216709.1	2.16E-07	2.34E-07	4.50E-07	1.88E-07	2.07E-07	3.94E-07	2.27E-08	3.35E-08	5.62E-08	1.98E-08	2.06E-08	4.04E-08
905	567245.97	4216703.59	2.1E-07	2.27E-07	4.37E-07	1.82E-07	2.01E-07	3.83E-07	2.20E-08	3.25E-08	5.46E-08	1.92E-08	2.00E-08	3.92E-08
906	567238.06	4216698.07	2.04E-07	2.20E-07	4.23E-07	1.77E-07	1.94E-07	3.71E-07	2.14E-08	3.15E-08	5.29E-08	1.86E-08	1.94E-08	3.80E-08
907	567347.3	4216784.04	2.55E-07	2.75E-07	5.30E-07	2.21E-07	2.43E-07	4.65E-07	2.67E-08	3.94E-08	6.62E-08	2.33E-08	2.43E-08	4.76E-08
908	567352.19	4216791.84	2.59E-07	2.80E-07	5.39E-07	2.25E-07	2.48E-07	4.73E-07	2.72E-08	4.01E-08	6.73E-08	2.37E-08	2.47E-08	4.84E-08
909	567361.97	4216807.46	2.66E-07	2.87E-07	5.53E-07	2.31E-07	2.54E-07	4.85E-07	2.79E-08	4.11E-08	6.90E-08	2.43E-08	2.53E-08	4.96E-08
910	567366.86	4216815.26	2.69E-07	2.90E-07	5.59E-07	2.33E-07	2.57E-07	4.90E-07	2.82E-08	4.16E-08	6.98E-08	2.45E-08	2.56E-08	5.02E-08
911	567386.42	4216846.48	2.71E-07	2.92E-07	5.63E-07	2.35E-07	2.59E-07	4.93E-07	2.84E-08	4.19E-08	7.03E-08	2.47E-08	2.58E-08	5.05E-08
912	567391.31	4216854.29	2.71E-07	2.93E-07	5.63E-07	2.35E-07	2.59E-07	4.94E-07	2.84E-08	4.19E-08	7.04E-08	2.48E-08	2.58E-08	5.06E-08
913	567401.09	4216869.9	2.71E-07	2.92E-07	5.63E-07	2.35E-07	2.59E-07	4.94E-07	2.84E-08	4.19E-08	7.03E-08	2.47E-08	2.58E-08	5.06E-08
914	567403.74	4216886.64	2.84E-07	3.06E-07	5.90E-07	2.46E-07	2.71E-07	5.17E-07	2.98E-08	4.39E-08	7.37E-08	2.59E-08	2.71E-08	5.30E-08
915	567401.51	4216895.58	2.98E-07	3.22E-07	6.20E-07	2.59E-07	2.85E-07	5.44E-07	3.13E-08	4.62E-08	7.75E-08	2.72E-08	2.84E-08	5.57E-08
916	567394.82	4216922.38	3.5E-07	3.77E-07	7.27E-07	3.03E-07	3.34E-07	6.37E-07	3.67E-08	5.41E-08	9.08E-08	3.19E-08	3.33E-08	6.53E-08
917	567392.58	4216931.32	3.7E-07	3.99E-07	7.69E-07	3.21E-07	3.53E-07	6.74E-07	3.88E-08	5.72E-08	9.60E-08	3.38E-08	3.52E-08	6.90E-08
918	567390.35	4216940.26	3.9E-07	4.21E-07	8.11E-07	3.39E-07	3.73E-07	7.11E-07	4.09E-08	6.04E-08	1.01E-07	3.56E-08	3.72E-08	7.28E-08
919	567385.89	4216958.13	4.33E-07	4.68E-07	9.01E-07	3.76E-07	4.14E-07	7.90E-07	4.55E-08	6.71E-08	1.13E-07	3.96E-08	4.13E-08	8.09E-08
920	567383.66	4216967.06	4.56E-07	4.92E-07	9.48E-07	3.95E-07	4.35E-07	8.31E-07	4.78E-08	7.06E-08	1.18E-07	4.16E-08	4.34E-08	8.51E-08

921	567381.42	4216976	4.81E-07	5.19E-07	1.00E-06	4.17E-07	4.60E-07	8.77E-07	5.05E-08	7.45E-08	1.25E-07	4.39E-08	4.59E-08	8.98E-08
922	567374.73	4217002.81	5.58E-07	6.02E-07	1.16E-06	4.84E-07	5.33E-07	1.02E-06	5.85E-08	8.63E-08	1.45E-07	5.09E-08	5.32E-08	1.04E-07
923	567314.95	4216739.5	2.26E-07	2.44E-07	4.70E-07	1.96E-07	2.16E-07	4.12E-07	2.37E-08	3.50E-08	5.86E-08	2.06E-08	2.15E-08	4.22E-08
924	567307.04	4216733.98	2.24E-07	2.42E-07	4.65E-07	1.94E-07	2.14E-07	4.08E-07	2.35E-08	3.46E-08	5.81E-08	2.04E-08	2.13E-08	4.18E-08
925	567299.13	4216728.47	2.21E-07	2.39E-07	4.60E-07	1.92E-07	2.11E-07	4.03E-07	2.32E-08	3.42E-08	5.74E-08	2.02E-08	2.11E-08	4.13E-08
926	567291.23	4216722.95	2.18E-07	2.35E-07	4.54E-07	1.89E-07	2.08E-07	3.98E-07	2.29E-08	3.38E-08	5.66E-08	1.99E-08	2.08E-08	4.07E-08
927	567283.32	4216717.44	2.15E-07	2.33E-07	4.48E-07	1.87E-07	2.06E-07	3.93E-07	2.26E-08	3.34E-08	5.60E-08	1.97E-08	2.05E-08	4.02E-08
928	567275.41	4216711.93	2.12E-07	2.29E-07	4.41E-07	1.84E-07	2.03E-07	3.87E-07	2.22E-08	3.28E-08	5.51E-08	1.94E-08	2.02E-08	3.96E-08
929	567267.5	4216706.41	2.07E-07	2.24E-07	4.31E-07	1.80E-07	1.98E-07	3.78E-07	2.17E-08	3.21E-08	5.38E-08	1.89E-08	1.98E-08	3.87E-08
930	567259.6	4216700.9	2.02E-07	2.18E-07	4.20E-07	1.75E-07	1.93E-07	3.68E-07	2.12E-08	3.13E-08	5.24E-08	1.84E-08	1.93E-08	3.77E-08
931	567251.69	4216695.38	1.96E-07	2.12E-07	4.08E-07	1.70E-07	1.88E-07	3.58E-07	2.06E-08	3.04E-08	5.10E-08	1.79E-08	1.87E-08	3.67E-08
932	567220.06	4216673.33	1.73E-07	1.87E-07	3.60E-07	1.50E-07	1.65E-07	3.15E-07	1.81E-08	2.68E-08	4.49E-08	1.58E-08	1.65E-08	3.23E-08
933	567212.15	4216667.81	1.67E-07	1.80E-07	3.48E-07	1.45E-07	1.60E-07	3.05E-07	1.75E-08	2.59E-08	4.34E-08	1.53E-08	1.59E-08	3.12E-08
934	567347.97	4216767.77	2.33E-07	2.52E-07	4.85E-07	2.02E-07	2.23E-07	4.25E-07	2.45E-08	3.61E-08	6.06E-08	2.13E-08	2.22E-08	4.35E-08
935	567357.67	4216783.25	2.42E-07	2.61E-07	5.03E-07	2.10E-07	2.31E-07	4.41E-07	2.54E-08	3.74E-08	6.28E-08	2.21E-08	2.30E-08	4.51E-08
936	567367.36	4216798.73	2.48E-07	2.68E-07	5.15E-07	2.15E-07	2.37E-07	4.52E-07	2.60E-08	3.84E-08	6.44E-08	2.26E-08	2.36E-08	4.63E-08
937	567372.21	4216806.47	2.51E-07	2.71E-07	5.22E-07	2.18E-07	2.40E-07	4.57E-07	2.63E-08	3.88E-08	6.51E-08	2.29E-08	2.39E-08	4.68E-08
938	567381.91	4216821.95	2.53E-07	2.73E-07	5.25E-07	2.19E-07	2.41E-07	4.60E-07	2.65E-08	3.91E-08	6.56E-08	2.31E-08	2.41E-08	4.71E-08
939	567391.61	4216837.43	2.53E-07	2.73E-07	5.27E-07	2.20E-07	2.42E-07	4.62E-07	2.66E-08	3.92E-08	6.58E-08	2.31E-08	2.41E-08	4.73E-08
940	567401.31	4216852.92	2.53E-07	2.73E-07	5.26E-07	2.20E-07	2.42E-07	4.61E-07	2.66E-08	3.92E-08	6.57E-08	2.31E-08	2.41E-08	4.73E-08
941	567411	4216868.4	2.53E-07	2.73E-07	5.26E-07	2.19E-07	2.41E-07	4.61E-07	2.65E-08	3.91E-08	6.56E-08	2.31E-08	2.41E-08	4.72E-08
942	567413.64	4216885	2.64E-07	2.85E-07	5.50E-07	2.29E-07	2.53E-07	4.82E-07	2.77E-08	4.09E-08	6.87E-08	2.42E-08	2.52E-08	4.94E-08
943	567411.43	4216893.86	2.77E-07	2.99E-07	5.77E-07	2.41E-07	2.65E-07	5.06E-07	2.91E-08	4.29E-08	7.20E-08	2.53E-08	2.64E-08	5.18E-08
944	567404.79	4216920.44	3.23E-07	3.48E-07	6.71E-07	2.80E-07	3.08E-07	5.88E-07	3.39E-08	5.00E-08	8.38E-08	2.95E-08	3.08E-08	6.02E-08
945	567402.57	4216929.31	3.4E-07	3.67E-07	7.07E-07	2.95E-07	3.25E-07	6.20E-07	3.57E-08	5.27E-08	8.83E-08	3.11E-08	3.24E-08	6.35E-08
946	567398.15	4216947.03	3.77E-07	4.07E-07	7.84E-07	3.27E-07	3.60E-07	6.87E-07	3.95E-08	5.83E-08	9.79E-08	3.44E-08	3.59E-08	7.04E-08
947	567395.93	4216955.89	3.96E-07	4.28E-07	8.24E-07	3.44E-07	3.79E-07	7.23E-07	4.16E-08	6.14E-08	1.03E-07	3.62E-08	3.78E-08	7.40E-08
948	567393.72	4216964.75	4.16E-07	4.49E-07	8.65E-07	3.61E-07	3.98E-07	7.59E-07	4.37E-08	6.44E-08	1.08E-07	3.80E-08	3.97E-08	7.77E-08
949	567389.29	4216982.47	4.61E-07	4.98E-07	9.59E-07	4.00E-07	4.40E-07	8.40E-07	4.84E-08	7.14E-08	1.20E-07	4.21E-08	4.39E-08	8.60E-08
950	567382.65	4217009.06	5.28E-07	5.70E-07	1.10E-06	4.59E-07	5.05E-07	9.63E-07	5.54E-08	8.18E-08	1.37E-07	4.83E-08	5.04E-08	9.86E-08
951	567380.44	4217017.92	5.49E-07	5.93E-07	1.14E-06	4.77E-07	5.25E-07	1.00E-06	5.76E-08	8.50E-08	1.43E-07	5.02E-08	5.24E-08	1.03E-07
952	567304.85	4216720.27	2.07E-07	2.23E-07	4.30E-07	1.80E-07	1.98E-07	3.77E-07	2.17E-08	3.20E-08	5.37E-08	1.89E-08	1.97E-08	3.86E-08
953	567296.95	4216714.75	2.04E-07	2.21E-07	4.25E-07	1.77E-07	1.95E-07	3.72E-07	2.14E-08	3.16E-08	5.30E-08	1.87E-08	1.95E-08	3.81E-08
954	567289.04	4216709.24	2.02E-07	2.18E-07	4.19E-07	1.75E-07	1.93E-07	3.67E-07	2.11E-08	3.12E-08	5.23E-08	1.84E-08	1.92E-08	3.76E-08
955	567281.13	4216703.72	1.98E-07	2.14E-07	4.12E-07	1.72E-07	1.89E-07	3.61E-07	2.08E-08	3.07E-08	5.15E-08	1.81E-08	1.89E-08	3.70E-08
956	567273.22	4216698.21	1.94E-07	2.09E-07	4.03E-07	1.68E-07	1.85E-07	3.53E-07	2.03E-08	3.00E-08	5.03E-08	1.77E-08	1.85E-08	3.62E-08
957	567265.32	4216692.7	1.89E-07	2.04E-07	3.93E-07	1.64E-07	1.81E-07	3.45E-07	1.98E-08	2.93E-08	4.91E-08	1.73E-08	1.80E-08	3.53E-08
958	567233.69	4216670.64	1.68E-07	1.81E-07	3.49E-07	1.46E-07	1.60E-07	3.06E-07	1.76E-08	2.60E-08	4.36E-08	1.53E-08	1.60E-08	3.14E-08
959	567225.78	4216665.12	1.63E-07	1.76E-07	3.39E-07	1.41E-07	1.56E-07	2.97E-07	1.71E-08	2.52E-08	4.23E-08	1.49E-08	1.55E-08	3.04E-08
960	567217.87	4216659.61	1.58E-07	1.70E-07	3.28E-07	1.37E-07	1.51E-07	2.87E-07	1.65E-08	2.44E-08	4.09E-08	1.44E-08	1.50E-08	2.94E-08
961	567339.37	4216736.72	2.04E-07	2.20E-07	4.25E-07	1.77E-07	1.95E-07	3.72E-07	2.14E-08	3.16E-08	5.30E-08	1.86E-08	1.95E-08	3.81E-08
962	567344.45	4216744.83	2.09E-07	2.26E-07	4.35E-07	1.82E-07	2.00E-07	3.82E-07	2.20E-08	3.24E-08	5.44E-08	1.91E-08	2.00E-08	3.91E-08
963	567354.61	4216761.04	2.19E-07	2.36E-07	4.55E-07	1.90E-07	2.09E-07	3.99E-07	2.30E-08	3.39E-08	5.69E-08	2.00E-08	2.09E-08	4.09E-08
964	567359.69	4216769.15	2.23E-07	2.41E-07	4.64E-07	1.94E-07	2.13E-07	4.07E-07	2.34E-08	3.46E-08	5.80E-08	2.04E-08	2.13E-08	4.17E-08
965	567364.77	4216777.26	2.27E-07	2.45E-07	4.72E-07	1.97E-07	2.17E-07	4.14E-07	2.38E-08	3.51E-08	5.90E-08	2.07E-08	2.16E-08	4.24E-08
966	567369.85	4216785.37	2.3E-07	2.49E-07	4.79E-07	2.00E-07	2.20E-07	4.20E-07	2.42E-08	3.57E-08	5.98E-08	2.10E-08	2.20E-08	4.30E-08
967	567374.93	4216793.48	2.34E-07	2.53E-07	4.86E-07	2.03E-07	2.23E-07	4.26E-07	2.45E-08	3.62E-08	6.07E-08	2.14E-08	2.23E-08	4.37E-08
968	567380.01	4216801.59	2.36E-07	2.54E-07	4.90E-07	2.04E-07	2.25E-07	4.29E-07	2.47E-08	3.65E-08	6.12E-08	2.15E-08	2.24E-08	4.40E-08
969	567385.09	4216809.7	2.36E-07	2.55E-07	4.92E-07	2.05E-07	2.26E-07	4.31E-07	2.48E-08	3.66E-08	6.14E-08	2.16E-08	2.25E-08	4.41E-08
970	567390.17	4216817.81	2.37E-07	2.56E-07	4.93E-07	2.06E-07	2.26E-07	4.32E-07	2.49E-08	3.67E-08	6.15E-08	2.16E-08	2.26E-08	4.42E-08
971	567400.33	4216834.02	2.38E-07	2.56E-07	4.94E-07	2.06E-07	2.27E-07	4.33E-07	2.49E-08	3.68E-08	6.17E-08	2.17E-08	2.26E-08	4.43E-08
972	567405.41	4216842.13	2.37E-07	2.56E-07	4.93E-07	2.06E-07	2.27E-07	4.32E-07	2.49E-08	3.67E-08	6.16E-08	2.17E-08	2.26E-08	4.43E-08
973	567410.49	4216850.24	2.37E-07	2.56E-07	4.93E-07	2.06E-07	2.26E-07	4.32E-07	2.49E-08	3.67E-08	6.15E-08	2.17E-08	2.26E-08	4.42E-08
974	567415.57	4216858.35	2.37E-07	2.56E-07	4.93E-07	2.06E-07	2.26E-07	4.32E-07	2.49E-08	3.67E-08	6.15E-08	2.16E-08	2.26E-08	4.42E-08
975	567420.65	4216866.46	2.37E-07	2.56E-07	4.93E-07	2.06E-07	2.26E-07	4.32E-07	2.49E-08	3.67E-08	6.15E-08	2.16E-08	2.26E-08	4.42E-08
976	567423.41	4216883.85	2.48E-07	2.68E-07	5.16E-07	2.15E-07	2.37E-07	4.52E-07	2.60E-08	3.84E-08	6.44E-08	2.27E-08	2.36E-08	4.63E-08
977	567421.09	4216893.14	2.6E-07	2.81E-07	5.41E-07	2.26E-07	2.49E-07	4.74E-07	2.73E-08	4.03E-08	6.76E-08	2.38E-08	2.48E-08	4.86E-08
978	567414.14	4216920.99	3.03E-07	3.27E-07	6.30E-07	2.63E-07	2.90E-07	5.53E-07	3.18E-08	4.69E-08	7.87E-08	2.77E-08	2.89E-08	5.66E-08
979	567411.82	4216930.27	3.2E-07	3.45E-07	6.65E-07	2.77E-07	3.05E-07	5.83E-07	3.35E-08	4.95E-08	8.30E-08	2.92E-08	3.05E-08	5.97E-08
980	567409.5	4216939.55	3.37E-07	3.64E-07	7.01E-07	2.92E-07	3.22E-07	6.14E-07	3.53E-08	5.22E-08	8.75E-08	3.08E-08	3.21E-08	6.29E-08
981	567407.18	4216948.84	3.54E-07	3.83E-07	7.37E-07	3.07E-07	3.39E-07	6.46E-07	3.72E-08	5.49E-08	9.20E-08	3.24E-08	3.38E-08	6.62E-08
982	567404.86	4216958.12	3.73E-07	4.03E-07	7.76E-07	3.24E-07	3.56E-07	6.80E-07	3.91E-08	5.77E-08	9.69E-08	3.41E-08	3.56E-08	6.96E-08
983	567402.54	4216967.4	3.92E-07	4.23E-07	8.15E-07	3.40E-07	3.74E-07	7.15E-07	4.11E-08	6.07E-08	1.02E-07	3.58E-08	3.74E-08	7.32E-08
984	567400.22	4216976.69	4.13E-07	4.46E-07	8.59E-07	3.59E-07	3.95E-07	7.53E-07	4.34E-08	6.40E-08	1.07E-07	3.78E-08	3.94E-08	7.72E-08
985	567393.27	4217004.54	4.79E-07	5.17E-07	9.95E-07	4.15E-07	4.57E-07	8.72E-07	5.02E-08	7.41E-08	1.24E-07	4.37E-08	4.56E-08	8.93E-08
986	567390.95	4217013.82	4.99E-07	5.39E-07	1.04E-06	4.33E-07	4.77E-07	9.10E-07	5.24E-08	7.73E-08	1.30E-07	4.56E-08	4.76E-08	9.32E-08
987	567334.29	4216728.61	1.99E-07	2.15E-07	4.13E-07	1.72E-07	1.90E-07	3.62E-07	2.08E-08	3.08E-08	5.16E-08	1.82E-08	1.89E-08	3.71E-08
988	567302.67	4216706.55	1.92E-07	2.07E-07	3.99E-07	1.66E-07	1.83E-07	3.50E-07	2.01E-08	2.97E-08	4.98E-08	1.75E-08	1.83E-08	3.58E-08
989	567294.76	4216701.04	1.89E-07	2.04E-07	3.94E-07	1.64E-07	1.81E-07	3.45E-07	1.99E-08	2.93E-08	4.92E-08	1.73E-08	1.80E-08	3.53E-08
990	567286.85	4216695.52	1.86E-07	2.01E-07	3.86E-07	1.61E-07	1.77E-07	3.39E-07	1.95E-08	2.88E-08	4.82E-08	1.70E-08	1.77E-08	3.47E-08
991	567278.94	4216690.01	1.82E-07	1.96E-07	3.78E-07	1.58E-07	1.74E-07	3.31E-07	1.91E-08	2.81E-08	4.72E-08	1.66E-08	1.73E-08	3.39E-08
992	567247.32	4216667.95	1.63E-07	1.76E-07	3.39E-07	1.42E-07	1.56E-07	2.98E-07	1.71E-08	2.53E-08	4.24E-08	1.49E-08	1.56E-08	3.05E-08
993	567239.41	4216662.44	1.58E-07	1.71E-07	3.29E-07	1.37E-07	1.51E-07	2.89E-07	1.66E-08	2.45E-08	4.11E-08	1.45E-08	1.51E-08	2.96E-08
994	567231.5	4216656.92	1.54E-07	1.66E-07	3.20E-07	1.33E-07	1.47E-07	2.80E-07	1.61E-08	2.38E-08	3.99E-08	1.40E-08	1.47E-08	2.87E-08
995	567223.59	4216651.41	1.49E-07	1.61E-07	3.10E-07	1.29E-07	1.42E-07	2.72E-07	1.56E-08	2.31E-08	3.87E-08	1.36E-08	1.42E-08	2.78E-08
996	567345.05	4216728.44	1.91E-07	2.07E-07	3.98E-07	1.66E-07	1.83E-07	3.49E-07	2.01E-08	2.96E-08	4.97E-08	1.75E-08	1.82E-08	3.57E-08
997	567350.08	4216736.47	1.96E-07	2.12E-07	4.08E-07	1.70E-07	1.87E-07	3.58E-07	2.06E-08	3.04E-08	5.09E-08	1.79E-08	1.87E-08	3.66E-08

998	567365.17	4216760.56	2.09E-07	2.26E-07	4.35E-07	1.81E-07	2.00E-07	3.81E-07	2.19E-08	3.24E-08	5.43E-08	1.91E-08	1.99E-08	3.90E-08
999	567370.2	4216768.59	2.13E-07	2.30E-07	4.42E-07	1.84E-07	2.03E-07	3.88E-07	2.23E-08	3.29E-08	5.52E-08	1.94E-08	2.03E-08	3.97E-08
1000	567375.23	4216776.62	2.16E-07	2.33E-07	4.49E-07	1.87E-07	2.06E-07	3.93E-07	2.26E-08	3.34E-08	5.60E-08	1.97E-08	2.06E-08	4.03E-08
1001	567380.26	4216784.66	2.2E-07	2.37E-07	4.56E-07	1.90E-07	2.10E-07	4.00E-07	2.30E-08	3.40E-08	5.70E-08	2.01E-08	2.09E-08	4.10E-08
1002	567385.29	4216792.69	2.21E-07	2.39E-07	4.60E-07	1.92E-07	2.11E-07	4.03E-07	2.32E-08	3.42E-08	5.75E-08	2.02E-08	2.11E-08	4.13E-08
1003	567390.33	4216800.72	2.22E-07	2.40E-07	4.62E-07	1.93E-07	2.12E-07	4.05E-07	2.33E-08	3.44E-08	5.77E-08	2.03E-08	2.12E-08	4.15E-08
1004	567395.36	4216808.75	2.23E-07	2.41E-07	4.64E-07	1.93E-07	2.13E-07	4.06E-07	2.34E-08	3.45E-08	5.79E-08	2.04E-08	2.12E-08	4.16E-08
1005	567400.39	4216816.78	2.23E-07	2.41E-07	4.64E-07	1.94E-07	2.13E-07	4.07E-07	2.34E-08	3.45E-08	5.79E-08	2.04E-08	2.13E-08	4.16E-08
1006	567410.45	4216832.84	2.23E-07	2.41E-07	4.64E-07	1.94E-07	2.13E-07	4.07E-07	2.34E-08	3.45E-08	5.80E-08	2.04E-08	2.13E-08	4.17E-08
1007	567415.48	4216840.88	2.23E-07	2.41E-07	4.64E-07	1.93E-07	2.13E-07	4.06E-07	2.34E-08	3.45E-08	5.79E-08	2.04E-08	2.12E-08	4.16E-08
1008	567420.51	4216848.91	2.23E-07	2.41E-07	4.63E-07	1.93E-07	2.13E-07	4.06E-07	2.34E-08	3.45E-08	5.79E-08	2.04E-08	2.12E-08	4.16E-08
1009	567425.54	4216856.94	2.23E-07	2.41E-07	4.64E-07	1.93E-07	2.13E-07	4.06E-07	2.34E-08	3.45E-08	5.79E-08	2.04E-08	2.12E-08	4.16E-08
1010	567430.57	4216864.97	2.23E-07	2.41E-07	4.63E-07	1.93E-07	2.13E-07	4.06E-07	2.34E-08	3.45E-08	5.79E-08	2.04E-08	2.12E-08	4.16E-08
1011	567433.31	4216882.2	2.33E-07	2.51E-07	4.84E-07	2.02E-07	2.22E-07	4.24E-07	2.44E-08	3.60E-08	6.04E-08	2.12E-08	2.22E-08	4.34E-08
1012	567431.01	4216891.39	2.43E-07	2.63E-07	5.06E-07	2.11E-07	2.33E-07	4.44E-07	2.55E-08	3.77E-08	6.32E-08	2.22E-08	2.32E-08	4.54E-08
1013	567428.72	4216900.59	2.55E-07	2.75E-07	5.30E-07	2.21E-07	2.44E-07	4.65E-07	2.67E-08	3.95E-08	6.62E-08	2.33E-08	2.43E-08	4.76E-08
1014	567424.12	4216918.97	2.81E-07	3.04E-07	5.85E-07	2.44E-07	2.69E-07	5.13E-07	2.95E-08	4.35E-08	7.31E-08	2.57E-08	2.68E-08	5.25E-08
1015	567421.83	4216928.17	2.96E-07	3.19E-07	6.15E-07	2.57E-07	2.83E-07	5.39E-07	3.10E-08	4.58E-08	7.68E-08	2.70E-08	2.82E-08	5.52E-08
1016	567419.53	4216937.36	3.11E-07	3.36E-07	6.47E-07	2.70E-07	2.97E-07	5.68E-07	3.27E-08	4.82E-08	8.09E-08	2.84E-08	2.97E-08	5.81E-08
1017	567417.23	4216946.56	3.27E-07	3.53E-07	6.79E-07	2.83E-07	3.12E-07	5.96E-07	3.43E-08	5.06E-08	8.48E-08	2.98E-08	3.11E-08	6.10E-08
1018	567414.94	4216955.75	3.43E-07	3.70E-07	7.13E-07	2.98E-07	3.28E-07	6.25E-07	3.60E-08	5.31E-08	8.91E-08	3.13E-08	3.27E-08	6.40E-08
1019	567412.64	4216964.95	3.6E-07	3.88E-07	7.48E-07	3.12E-07	3.44E-07	6.56E-07	3.77E-08	5.57E-08	9.34E-08	3.29E-08	3.43E-08	6.72E-08
1020	567410.34	4216974.14	3.79E-07	4.09E-07	7.87E-07	3.28E-07	3.62E-07	6.90E-07	3.97E-08	5.86E-08	9.83E-08	3.46E-08	3.61E-08	7.07E-08
1021	567408.05	4216983.34	3.98E-07	4.30E-07	8.28E-07	3.45E-07	3.80E-07	7.26E-07	4.18E-08	6.16E-08	1.03E-07	3.64E-08	3.79E-08	7.43E-08
1022	567401.16	4217010.92	4.57E-07	4.93E-07	9.50E-07	3.96E-07	4.36E-07	8.33E-07	4.79E-08	7.07E-08	1.19E-07	4.17E-08	4.35E-08	8.53E-08
1023	567398.86	4217020.12	4.75E-07	5.13E-07	9.88E-07	4.12E-07	4.54E-07	8.66E-07	4.99E-08	7.36E-08	1.23E-07	4.34E-08	4.53E-08	8.87E-08
1024	567340.01	4216720.4	1.87E-07	2.01E-07	3.88E-07	1.62E-07	1.78E-07	3.40E-07	1.96E-08	2.89E-08	4.85E-08	1.70E-08	1.78E-08	3.48E-08
1025	567332.11	4216714.89	1.86E-07	2.01E-07	3.86E-07	1.61E-07	1.77E-07	3.39E-07	1.95E-08	2.88E-08	4.83E-08	1.70E-08	1.77E-08	3.47E-08
1026	567324.2	4216709.38	1.85E-07	1.99E-07	3.84E-07	1.60E-07	1.76E-07	3.36E-07	1.94E-08	2.86E-08	4.79E-08	1.69E-08	1.76E-08	3.44E-08
1027	567300.48	4216692.83	1.78E-07	1.92E-07	3.70E-07	1.54E-07	1.70E-07	3.24E-07	1.87E-08	2.75E-08	4.62E-08	1.62E-08	1.70E-08	3.32E-08
1028	567292.57	4216687.32	1.75E-07	1.88E-07	3.63E-07	1.51E-07	1.67E-07	3.18E-07	1.83E-08	2.70E-08	4.53E-08	1.59E-08	1.66E-08	3.26E-08
1029	567260.94	4216665.26	1.58E-07	1.71E-07	3.29E-07	1.37E-07	1.51E-07	2.89E-07	1.66E-08	2.45E-08	4.11E-08	1.45E-08	1.51E-08	2.96E-08
1030	567253.04	4216659.75	1.54E-07	1.66E-07	3.20E-07	1.34E-07	1.47E-07	2.81E-07	1.62E-08	2.38E-08	4.00E-08	1.41E-08	1.47E-08	2.88E-08
1031	567245.13	4216654.23	1.5E-07	1.62E-07	3.11E-07	1.30E-07	1.43E-07	2.73E-07	1.57E-08	2.32E-08	3.89E-08	1.37E-08	1.43E-08	2.79E-08
1032	567237.22	4216648.72	1.45E-07	1.57E-07	3.02E-07	1.26E-07	1.39E-07	2.65E-07	1.53E-08	2.25E-08	3.78E-08	1.33E-08	1.39E-08	2.72E-08
1033	567229.31	4216643.2	1.41E-07	1.52E-07	2.94E-07	1.23E-07	1.35E-07	2.57E-07	1.48E-08	2.19E-08	3.67E-08	1.29E-08	1.35E-08	2.64E-08
1034	567350.72	4216720.16	1.8E-07	1.94E-07	3.74E-07	1.56E-07	1.72E-07	3.28E-07	1.89E-08	2.79E-08	4.68E-08	1.64E-08	1.72E-08	3.36E-08
1035	567355.71	4216728.13	1.84E-07	1.99E-07	3.83E-07	1.60E-07	1.76E-07	3.36E-07	1.93E-08	2.85E-08	4.78E-08	1.68E-08	1.76E-08	3.44E-08
1036	567360.7	4216736.09	1.89E-07	2.03E-07	3.92E-07	1.64E-07	1.80E-07	3.44E-07	1.98E-08	2.92E-08	4.90E-08	1.72E-08	1.80E-08	3.52E-08
1037	567370.67	4216752.01	1.96E-07	2.12E-07	4.08E-07	1.70E-07	1.87E-07	3.58E-07	2.06E-08	3.04E-08	5.10E-08	1.79E-08	1.87E-08	3.66E-08
1038	567375.66	4216759.97	2E-07	2.15E-07	4.15E-07	1.73E-07	1.91E-07	3.64E-07	2.09E-08	3.09E-08	5.18E-08	1.82E-08	1.90E-08	3.73E-08
1039	567380.65	4216767.93	2.04E-07	2.20E-07	4.24E-07	1.77E-07	1.95E-07	3.71E-07	2.14E-08	3.15E-08	5.29E-08	1.86E-08	1.94E-08	3.80E-08
1040	567385.63	4216775.89	2.06E-07	2.23E-07	4.29E-07	1.79E-07	1.97E-07	3.76E-07	2.16E-08	3.19E-08	5.35E-08	1.88E-08	1.97E-08	3.85E-08
1041	567390.62	4216783.86	2.08E-07	2.25E-07	4.33E-07	1.81E-07	1.99E-07	3.80E-07	2.18E-08	3.22E-08	5.41E-08	1.90E-08	1.98E-08	3.89E-08
1042	567395.61	4216791.82	2.09E-07	2.26E-07	4.36E-07	1.82E-07	2.00E-07	3.82E-07	2.20E-08	3.24E-08	5.44E-08	1.91E-08	2.00E-08	3.91E-08
1043	567400.6	4216799.78	2.1E-07	2.27E-07	4.37E-07	1.82E-07	2.01E-07	3.83E-07	2.20E-08	3.25E-08	5.46E-08	1.92E-08	2.00E-08	3.92E-08
1044	567410.57	4216815.7	2.1E-07	2.27E-07	4.37E-07	1.83E-07	2.01E-07	3.83E-07	2.21E-08	3.26E-08	5.46E-08	1.92E-08	2.00E-08	3.93E-08
1045	567420.55	4216831.63	2.11E-07	2.27E-07	4.38E-07	1.83E-07	2.01E-07	3.84E-07	2.21E-08	3.26E-08	5.47E-08	1.92E-08	2.01E-08	3.93E-08
1046	567425.53	4216839.59	2.1E-07	2.27E-07	4.38E-07	1.83E-07	2.01E-07	3.84E-07	2.21E-08	3.26E-08	5.46E-08	1.92E-08	2.01E-08	3.93E-08
1047	567430.52	4216847.55	2.1E-07	2.27E-07	4.37E-07	1.82E-07	2.01E-07	3.83E-07	2.20E-08	3.25E-08	5.46E-08	1.92E-08	2.00E-08	3.92E-08
1048	567435.51	4216855.51	2.1E-07	2.27E-07	4.37E-07	1.82E-07	2.01E-07	3.83E-07	2.20E-08	3.25E-08	5.46E-08	1.92E-08	2.00E-08	3.92E-08
1049	567440.49	4216863.47	2.1E-07	2.27E-07	4.37E-07	1.82E-07	2.01E-07	3.83E-07	2.20E-08	3.25E-08	5.45E-08	1.92E-08	2.00E-08	3.92E-08
1050	567443.21	4216880.55	2.19E-07	2.36E-07	4.55E-07	1.90E-07	2.09E-07	3.98E-07	2.29E-08	3.38E-08	5.68E-08	2.00E-08	2.08E-08	4.08E-08
1051	567440.93	4216889.66	2.28E-07	2.46E-07	4.75E-07	1.98E-07	2.18E-07	4.16E-07	2.39E-08	3.53E-08	5.93E-08	2.08E-08	2.18E-08	4.26E-08
1052	567438.65	4216898.78	2.39E-07	2.58E-07	4.96E-07	2.07E-07	2.28E-07	4.35E-07	2.50E-08	3.69E-08	6.19E-08	2.18E-08	2.27E-08	4.45E-08
1053	567434.1	4216917.01	2.62E-07	2.83E-07	5.45E-07	2.27E-07	2.50E-07	4.77E-07	2.75E-08	4.05E-08	6.80E-08	2.39E-08	2.50E-08	4.89E-08
1054	567431.82	4216926.12	2.75E-07	2.97E-07	5.71E-07	2.38E-07	2.62E-07	5.01E-07	2.88E-08	4.25E-08	7.13E-08	2.51E-08	2.62E-08	5.13E-08
1055	567429.55	4216935.24	2.89E-07	3.12E-07	6.00E-07	2.50E-07	2.76E-07	5.26E-07	3.03E-08	4.47E-08	7.49E-08	2.64E-08	2.75E-08	5.39E-08
1056	567427.27	4216944.35	3.02E-07	3.26E-07	6.28E-07	2.62E-07	2.89E-07	5.51E-07	3.17E-08	4.68E-08	7.85E-08	2.76E-08	2.88E-08	5.64E-08
1057	567424.99	4216953.47	3.17E-07	3.42E-07	6.58E-07	2.75E-07	3.02E-07	5.77E-07	3.32E-08	4.90E-08	8.22E-08	2.89E-08	3.02E-08	5.91E-08
1058	567422.72	4216962.58	3.31E-07	3.58E-07	6.89E-07	2.88E-07	3.17E-07	6.04E-07	3.48E-08	5.13E-08	8.61E-08	3.03E-08	3.16E-08	6.19E-08
1059	567420.44	4216971.69	3.48E-07	3.76E-07	7.24E-07	3.02E-07	3.32E-07	6.34E-07	3.65E-08	5.39E-08	9.04E-08	3.18E-08	3.32E-08	6.50E-08
1060	567418.16	4216980.81	3.66E-07	3.95E-07	7.60E-07	3.17E-07	3.49E-07	6.66E-07	3.83E-08	5.66E-08	9.49E-08	3.34E-08	3.48E-08	6.82E-08
1061	567415.89	4216989.92	3.84E-07	4.14E-07	7.98E-07	3.33E-07	3.66E-07	6.99E-07	4.02E-08	5.94E-08	9.96E-08	3.50E-08	3.66E-08	7.16E-08
1062	567411.33	4217008.15	4.19E-07	4.52E-07	8.71E-07	3.64E-07	4.00E-07	7.64E-07	4.39E-08	6.49E-08	1.09E-07	3.83E-08	3.99E-08	7.82E-08
1063	567409.05	4217017.27	4.36E-07	4.71E-07	9.07E-07	3.78E-07	4.17E-07	7.95E-07	4.57E-08	6.75E-08	1.13E-07	3.98E-08	4.16E-08	8.14E-08
1064	567345.73	4216712.2	1.76E-07	1.90E-07	3.66E-07	1.53E-07	1.68E-07	3.20E-07	1.84E-08	2.72E-08	4.57E-08	1.61E-08	1.68E-08	3.28E-08
1065	567337.83	4216706.69	1.75E-07	1.89E-07	3.64E-07	1.52E-07	1.67E-07	3.19E-07	1.84E-08	2.71E-08	4.54E-08	1.60E-08	1.67E-08	3.27E-08
1066	567329.92	4216701.17	1.74E-07	1.87E-07	3.61E-07	1.51E-07	1.66E-07	3.17E-07	1.82E-08	2.69E-08	4.51E-08	1.59E-08	1.66E-08	3.24E-08
1067	567322.01	4216695.66	1.72E-07	1.86E-07	3.58E-07	1.49E-07	1.64E-07	3.13E-07	1.80E-08	2.66E-08	4.47E-08	1.57E-08	1.64E-08	3.21E-08
1068	567266.66	4216657.06	1.5E-07	1.61E-07	3.11E-07	1.30E-07	1.43E-07	2.73E-07	1.57E-08	2.32E-08	3.88E-08	1.37E-08	1.43E-08	2.79E-08
1069	567258.76	4216651.55	1.46E-07	1.57E-07	3.03E-07	1.26E-07	1.39E-07	2.65E-07	1.53E-08	2.25E-08	3.78E-08	1.33E-08	1.39E-08	2.72E-08
1070	567250.85	4216646.03	1.42E-07	1.53E-07	2.95E-07	1.23E-07	1.35E-07	2.58E-07	1.49E-08	2.19E-08	3.68E-08	1.29E-08	1.35E-08	2.65E-08
1071	567242.94	4216640.52	1.38E-07	1.49E-07	2.87E-07	1.20E-07	1.32E-07	2.51E-07	1.45E-08	2.13E-08	3.58E-08	1.26E-08	1.31E-08	2.57E-08
1072	567235.03	4216635	1.34E-07	1.45E-07	2.79E-07	1.16E-07	1.28E-07	2.44E-07	1.41E-08	2.07E-08	3.48E-08	1.22E-08	1.28E-08	2.50E-08
1073	567356.4	4216711.9	1.7E-07	1.83E-07	3.53E-07	1.47E-07	1.62E-07	3.10E-07	1.78E-08	2.63E-08	4.41E-08	1.55E-08	1.62E-08	3.17E-08
1074	567361.35	4216719.8	1.74E-07	1.88E-07	3.61E-07	1.51E-07	1.66E-07	3.17E-07	1.82E-08	2.69E-08	4.51E-08	1.59E-08	1.66E-08	3.24E-08

1075	567371.25	4216735.59	1.81E-07	1.96E-07	3.77E-07	1.57E-07	1.73E-07	3.30E-07	1.90E-08	2.80E-08	4.70E-08	1.65E-08	1.73E-08	3.38E-08
1076	567381.14	4216751.39	1.89E-07	2.04E-07	3.93E-07	1.64E-07	1.81E-07	3.45E-07	1.98E-08	2.93E-08	4.91E-08	1.73E-08	1.80E-08	3.53E-08
1077	567386.09	4216759.29	1.92E-07	2.07E-07	3.99E-07	1.66E-07	1.83E-07	3.50E-07	2.01E-08	2.97E-08	4.98E-08	1.75E-08	1.83E-08	3.58E-08
1078	567391.04	4216767.19	1.94E-07	2.10E-07	4.04E-07	1.68E-07	1.85E-07	3.54E-07	2.04E-08	3.00E-08	5.04E-08	1.77E-08	1.85E-08	3.62E-08
1079	567395.98	4216775.09	1.96E-07	2.12E-07	4.08E-07	1.70E-07	1.87E-07	3.57E-07	2.06E-08	3.03E-08	5.09E-08	1.79E-08	1.87E-08	3.66E-08
1080	567400.93	4216782.98	1.98E-07	2.13E-07	4.11E-07	1.71E-07	1.89E-07	3.60E-07	2.07E-08	3.06E-08	5.13E-08	1.80E-08	1.88E-08	3.69E-08
1081	567405.88	4216790.88	1.99E-07	2.14E-07	4.13E-07	1.72E-07	1.90E-07	3.62E-07	2.08E-08	3.07E-08	5.16E-08	1.81E-08	1.89E-08	3.71E-08
1082	567410.83	4216798.78	1.99E-07	2.15E-07	4.14E-07	1.73E-07	1.90E-07	3.63E-07	2.09E-08	3.08E-08	5.17E-08	1.82E-08	1.90E-08	3.71E-08
1083	567430.62	4216830.37	1.99E-07	2.15E-07	4.14E-07	1.73E-07	1.90E-07	3.63E-07	2.09E-08	3.08E-08	5.17E-08	1.82E-08	1.90E-08	3.72E-08
1084	567435.57	4216838.27	1.99E-07	2.15E-07	4.14E-07	1.73E-07	1.90E-07	3.63E-07	2.09E-08	3.08E-08	5.16E-08	1.82E-08	1.90E-08	3.71E-08
1085	567445.46	4216854.07	1.99E-07	2.14E-07	4.13E-07	1.72E-07	1.90E-07	3.62E-07	2.08E-08	3.07E-08	5.15E-08	1.81E-08	1.89E-08	3.71E-08
1086	567450.41	4216861.97	1.99E-07	2.14E-07	4.13E-07	1.72E-07	1.90E-07	3.62E-07	2.08E-08	3.07E-08	5.16E-08	1.81E-08	1.89E-08	3.71E-08
1087	567453.1	4216878.91	2.06E-07	2.23E-07	4.29E-07	1.79E-07	1.97E-07	3.76E-07	2.16E-08	3.19E-08	5.36E-08	1.89E-08	1.97E-08	3.85E-08
1088	567450.84	4216887.95	2.15E-07	2.32E-07	4.47E-07	1.86E-07	2.05E-07	3.92E-07	2.25E-08	3.32E-08	5.58E-08	1.96E-08	2.05E-08	4.01E-08
1089	567448.58	4216896.99	2.24E-07	2.42E-07	4.65E-07	1.94E-07	2.14E-07	4.08E-07	2.35E-08	3.46E-08	5.81E-08	2.04E-08	2.13E-08	4.18E-08
1090	567441.81	4216924.12	2.56E-07	2.76E-07	5.32E-07	2.22E-07	2.44E-07	4.66E-07	2.68E-08	3.96E-08	6.65E-08	2.34E-08	2.44E-08	4.78E-08
1091	567439.55	4216933.16	2.68E-07	2.89E-07	5.58E-07	2.33E-07	2.56E-07	4.89E-07	2.81E-08	4.15E-08	6.96E-08	2.45E-08	2.56E-08	5.01E-08
1092	567437.29	4216942.2	2.81E-07	3.03E-07	5.83E-07	2.43E-07	2.68E-07	5.11E-07	2.94E-08	4.34E-08	7.28E-08	2.56E-08	2.67E-08	5.24E-08
1093	567435.03	4216951.25	2.93E-07	3.17E-07	6.10E-07	2.54E-07	2.80E-07	5.35E-07	3.08E-08	4.54E-08	7.62E-08	2.68E-08	2.80E-08	5.47E-08
1094	567432.77	4216960.29	3.07E-07	3.31E-07	6.37E-07	2.66E-07	2.93E-07	5.59E-07	3.21E-08	4.74E-08	7.96E-08	2.80E-08	2.92E-08	5.72E-08
1095	567430.51	4216969.33	3.21E-07	3.46E-07	6.67E-07	2.78E-07	3.07E-07	5.85E-07	3.37E-08	4.97E-08	8.34E-08	2.93E-08	3.06E-08	5.99E-08
1096	567428.25	4216978.37	3.37E-07	3.63E-07	7.00E-07	2.92E-07	3.22E-07	6.14E-07	3.53E-08	5.21E-08	8.74E-08	3.08E-08	3.21E-08	6.28E-08
1097	567426	4216987.42	3.53E-07	3.81E-07	7.34E-07	3.06E-07	3.37E-07	6.43E-07	3.70E-08	5.46E-08	9.16E-08	3.22E-08	3.36E-08	6.59E-08
1098	567351.45	4216704	1.66E-07	1.79E-07	3.45E-07	1.44E-07	1.59E-07	3.03E-07	1.74E-08	2.57E-08	4.31E-08	1.52E-08	1.58E-08	3.10E-08
1099	567343.55	4216698.49	1.65E-07	1.78E-07	3.43E-07	1.43E-07	1.58E-07	3.01E-07	1.73E-08	2.56E-08	4.29E-08	1.51E-08	1.57E-08	3.08E-08
1100	567335.64	4216692.97	1.64E-07	1.77E-07	3.41E-07	1.42E-07	1.56E-07	2.99E-07	1.72E-08	2.54E-08	4.25E-08	1.50E-08	1.56E-08	3.06E-08
1101	567327.73	4216687.46	1.62E-07	1.75E-07	3.37E-07	1.41E-07	1.55E-07	2.96E-07	1.70E-08	2.51E-08	4.21E-08	1.48E-08	1.55E-08	3.03E-08
1102	567319.83	4216681.94	1.6E-07	1.73E-07	3.33E-07	1.39E-07	1.53E-07	2.92E-07	1.68E-08	2.48E-08	4.16E-08	1.46E-08	1.53E-08	2.99E-08
1103	567280.29	4216654.37	1.45E-07	1.57E-07	3.02E-07	1.26E-07	1.39E-07	2.65E-07	1.52E-08	2.25E-08	3.77E-08	1.33E-08	1.38E-08	2.71E-08
1104	567272.38	4216648.86	1.42E-07	1.53E-07	2.94E-07	1.23E-07	1.35E-07	2.58E-07	1.49E-08	2.19E-08	3.68E-08	1.29E-08	1.35E-08	2.64E-08
1105	567264.48	4216643.34	1.38E-07	1.49E-07	2.87E-07	1.20E-07	1.32E-07	2.51E-07	1.45E-08	2.14E-08	3.58E-08	1.26E-08	1.31E-08	2.57E-08
1106	567256.57	4216637.83	1.34E-07	1.45E-07	2.79E-07	1.17E-07	1.28E-07	2.45E-07	1.41E-08	2.08E-08	3.49E-08	1.23E-08	1.28E-08	2.51E-08
1107	567248.66	4216632.31	1.31E-07	1.41E-07	2.72E-07	1.14E-07	1.25E-07	2.39E-07	1.37E-08	2.03E-08	3.40E-08	1.20E-08	1.25E-08	2.44E-08
1108	567240.75	4216626.8	1.27E-07	1.37E-07	2.65E-07	1.10E-07	1.22E-07	2.32E-07	1.34E-08	1.97E-08	3.31E-08	1.16E-08	1.21E-08	2.38E-08
1109	567362.09	4216703.64	1.61E-07	1.73E-07	3.34E-07	1.39E-07	1.53E-07	2.93E-07	1.69E-08	2.49E-08	4.17E-08	1.47E-08	1.53E-08	3.00E-08
1110	567367	4216711.48	1.64E-07	1.77E-07	3.41E-07	1.42E-07	1.57E-07	2.99E-07	1.72E-08	2.54E-08	4.26E-08	1.50E-08	1.56E-08	3.06E-08
1111	567371.91	4216719.32	1.68E-07	1.81E-07	3.48E-07	1.45E-07	1.60E-07	3.05E-07	1.76E-08	2.59E-08	4.35E-08	1.53E-08	1.60E-08	3.13E-08
1112	567381.73	4216735	1.75E-07	1.89E-07	3.65E-07	1.52E-07	1.68E-07	3.20E-07	1.84E-08	2.71E-08	4.55E-08	1.60E-08	1.67E-08	3.27E-08
1113	567396.47	4216758.53	1.83E-07	1.98E-07	3.81E-07	1.59E-07	1.75E-07	3.34E-07	1.92E-08	2.83E-08	4.75E-08	1.67E-08	1.75E-08	3.42E-08
1114	567401.38	4216766.37	1.85E-07	2.00E-07	3.85E-07	1.60E-07	1.77E-07	3.37E-07	1.94E-08	2.86E-08	4.80E-08	1.69E-08	1.76E-08	3.45E-08
1115	567411.2	4216782.05	1.88E-07	2.03E-07	3.90E-07	1.63E-07	1.79E-07	3.42E-07	1.97E-08	2.90E-08	4.87E-08	1.71E-08	1.79E-08	3.50E-08
1116	567416.12	4216789.89	1.88E-07	2.03E-07	3.92E-07	1.64E-07	1.80E-07	3.44E-07	1.98E-08	2.92E-08	4.89E-08	1.72E-08	1.80E-08	3.52E-08
1117	567425.94	4216805.57	1.89E-07	2.04E-07	3.93E-07	1.64E-07	1.81E-07	3.45E-07	1.98E-08	2.93E-08	4.91E-08	1.73E-08	1.80E-08	3.53E-08
1118	567445.59	4216836.93	1.88E-07	2.03E-07	3.92E-07	1.63E-07	1.80E-07	3.43E-07	1.98E-08	2.92E-08	4.89E-08	1.72E-08	1.80E-08	3.52E-08
1119	567450.5	4216844.78	1.88E-07	2.03E-07	3.91E-07	1.63E-07	1.80E-07	3.43E-07	1.97E-08	2.91E-08	4.89E-08	1.72E-08	1.79E-08	3.51E-08
1120	567460.32	4216860.46	1.88E-07	2.03E-07	3.91E-07	1.63E-07	1.80E-07	3.43E-07	1.97E-08	2.91E-08	4.89E-08	1.72E-08	1.79E-08	3.51E-08
1121	567462.99	4216877.27	1.95E-07	2.11E-07	4.06E-07	1.69E-07	1.87E-07	3.56E-07	2.05E-08	3.02E-08	5.07E-08	1.78E-08	1.86E-08	3.64E-08
1122	567460.75	4216886.25	2.03E-07	2.19E-07	4.21E-07	1.76E-07	1.94E-07	3.69E-07	2.13E-08	3.14E-08	5.26E-08	1.85E-08	1.93E-08	3.78E-08
1123	567451.78	4216922.16	2.39E-07	2.58E-07	4.97E-07	2.07E-07	2.28E-07	4.36E-07	2.51E-08	3.70E-08	6.21E-08	2.18E-08	2.28E-08	4.46E-08
1124	567449.54	4216931.13	2.5E-07	2.70E-07	5.20E-07	2.17E-07	2.39E-07	4.56E-07	2.62E-08	3.87E-08	6.49E-08	2.28E-08	2.38E-08	4.67E-08
1125	567447.3	4216940.11	2.61E-07	2.82E-07	5.43E-07	2.27E-07	2.49E-07	4.76E-07	2.74E-08	4.04E-08	6.78E-08	2.39E-08	2.49E-08	4.88E-08
1126	567445.05	4216949.09	2.73E-07	2.94E-07	5.67E-07	2.36E-07	2.60E-07	4.97E-07	2.86E-08	4.22E-08	7.08E-08	2.49E-08	2.60E-08	5.09E-08
1127	567442.81	4216958.06	2.85E-07	3.07E-07	5.92E-07	2.47E-07	2.72E-07	5.19E-07	2.98E-08	4.40E-08	7.39E-08	2.60E-08	2.71E-08	5.31E-08
1128	567440.57	4216967.04	2.97E-07	3.21E-07	6.18E-07	2.58E-07	2.84E-07	5.41E-07	3.12E-08	4.60E-08	7.71E-08	2.71E-08	2.83E-08	5.54E-08
1129	567438.33	4216976.02	3.11E-07	3.36E-07	6.47E-07	2.70E-07	2.97E-07	5.67E-07	3.26E-08	4.81E-08	8.08E-08	2.84E-08	2.96E-08	5.81E-08
1130	567436.09	4216984.99	3.26E-07	3.52E-07	6.77E-07	2.83E-07	3.11E-07	5.94E-07	3.42E-08	5.04E-08	8.46E-08	2.97E-08	3.10E-08	6.08E-08
1131	567433.84	4216993.97	3.41E-07	3.68E-07	7.09E-07	2.96E-07	3.26E-07	6.21E-07	3.57E-08	5.27E-08	8.85E-08	3.11E-08	3.25E-08	6.36E-08
1132	567349.27	4216690.28	1.56E-07	1.68E-07	3.24E-07	1.35E-07	1.49E-07	2.84E-07	1.64E-08	2.42E-08	4.05E-08	1.43E-08	1.49E-08	2.91E-08
1133	567341.36	4216684.77	1.55E-07	1.67E-07	3.22E-07	1.34E-07	1.48E-07	2.82E-07	1.62E-08	2.39E-08	4.02E-08	1.41E-08	1.47E-08	2.89E-08
1134	567333.45	4216679.25	1.53E-07	1.65E-07	3.19E-07	1.33E-07	1.46E-07	2.79E-07	1.61E-08	2.37E-08	3.98E-08	1.40E-08	1.46E-08	2.86E-08
1135	567325.55	4216673.74	1.52E-07	1.64E-07	3.15E-07	1.32E-07	1.45E-07	2.76E-07	1.59E-08	2.35E-08	3.94E-08	1.38E-08	1.44E-08	2.83E-08
1136	567293.92	4216651.68	1.41E-07	1.52E-07	2.93E-07	1.22E-07	1.34E-07	2.57E-07	1.48E-08	2.18E-08	3.65E-08	1.29E-08	1.34E-08	2.63E-08
1137	567286.01	4216646.17	1.38E-07	1.49E-07	2.86E-07	1.19E-07	1.31E-07	2.51E-07	1.44E-08	2.13E-08	3.57E-08	1.26E-08	1.31E-08	2.57E-08
1138	567278.1	4216640.65	1.34E-07	1.45E-07	2.79E-07	1.17E-07	1.28E-07	2.45E-07	1.41E-08	2.08E-08	3.49E-08	1.23E-08	1.28E-08	2.51E-08
1139	567270.2	4216635.14	1.31E-07	1.41E-07	2.72E-07	1.14E-07	1.25E-07	2.39E-07	1.37E-08	2.03E-08	3.40E-08	1.20E-08	1.25E-08	2.44E-08
1140	567262.29	4216629.63	1.28E-07	1.38E-07	2.65E-07	1.11E-07	1.22E-07	2.33E-07	1.34E-08	1.98E-08	3.31E-08	1.17E-08	1.22E-08	2.38E-08
1141	567254.38	4216624.11	1.24E-07	1.34E-07	2.59E-07	1.08E-07	1.19E-07	2.27E-07	1.30E-08	1.93E-08	3.23E-08	1.14E-08	1.19E-08	2.32E-08
1142	567246.48	4216618.6	1.21E-07	1.31E-07	2.52E-07	1.05E-07	1.16E-07	2.21E-07	1.27E-08	1.88E-08	3.15E-08	1.11E-08	1.15E-08	2.26E-08
1143	567368	4216695.74	1.52E-07	1.64E-07	3.17E-07	1.32E-07	1.45E-07	2.78E-07	1.60E-08	2.36E-08	3.95E-08	1.39E-08	1.45E-08	2.84E-08
1144	567373.1	4216703.88	1.56E-07	1.68E-07	3.24E-07	1.35E-07	1.49E-07	2.84E-07	1.63E-08	2.41E-08	4.04E-08	1.42E-08	1.48E-08	2.91E-08
1145	567378.2	4216712.02	1.59E-07	1.72E-07	3.30E-07	1.38E-07	1.52E-07	2.90E-07	1.67E-08	2.46E-08	4.13E-08	1.45E-08	1.51E-08	2.97E-08
1146	567383.3	4216720.17	1.63E-07	1.76E-07	3.40E-07	1.42E-07	1.56E-07	2.98E-07	1.71E-08	2.53E-08	4.24E-08	1.49E-08	1.56E-08	3.05E-08
1147	567388.4	4216728.31	1.66E-07	1.80E-07	3.46E-07	1.44E-07	1.59E-07	3.03E-07	1.75E-08	2.58E-08	4.32E-08	1.52E-08	1.59E-08	3.11E-08
1148	567398.6	4216744.59	1.72E-07	1.85E-07	3.57E-07	1.49E-07	1.64E-07	3.13E-07	1.80E-08	2.66E-08	4.46E-08	1.57E-08	1.64E-08	3.21E-08
1149	567403.7	4216752.74	1.74E-07	1.88E-07	3.61E-07	1.51E-07	1.66E-07	3.17E-07	1.82E-08	2.69E-08	4.51E-08	1.59E-08	1.66E-08	3.24E-08
1150	567408.8	4216760.88	1.75E-07	1.89E-07	3.65E-07	1.52E-07	1.68E-07	3.20E-07	1.84E-08	2.72E-08	4.56E-08	1.60E-08	1.67E-08	3.28E-08
1151	567413.9	4216769.02	1.77E-07	1.91E-07	3.68E-07	1.53E-07	1.69E-07	3.22E-07	1.86E-08	2.74E-08	4.59E-08	1.62E-08	1.69E-08	3.30E-08

1152	567419	4216777.16	1.78E-07	1.92E-07	3.71E-07	1.55E-07	1.70E-07	3.25E-07	1.87E-08	2.76E-08	4.63E-08	1.63E-08	1.70E-08	3.33E-08
1153	567424.1	4216785.31	1.79E-07	1.93E-07	3.73E-07	1.55E-07	1.71E-07	3.27E-07	1.88E-08	2.77E-08	4.65E-08	1.64E-08	1.71E-08	3.34E-08
1154	567429.2	4216793.45	1.8E-07	1.94E-07	3.73E-07	1.56E-07	1.72E-07	3.27E-07	1.88E-08	2.78E-08	4.66E-08	1.64E-08	1.71E-08	3.35E-08
1155	567434.31	4216801.59	1.8E-07	1.94E-07	3.74E-07	1.56E-07	1.72E-07	3.27E-07	1.88E-08	2.78E-08	4.67E-08	1.64E-08	1.71E-08	3.35E-08
1156	567449.61	4216826.02	1.79E-07	1.94E-07	3.73E-07	1.56E-07	1.71E-07	3.27E-07	1.88E-08	2.78E-08	4.66E-08	1.64E-08	1.71E-08	3.35E-08
1157	567454.71	4216834.16	1.79E-07	1.93E-07	3.73E-07	1.55E-07	1.71E-07	3.27E-07	1.88E-08	2.77E-08	4.65E-08	1.64E-08	1.71E-08	3.34E-08
1158	567459.81	4216842.3	1.79E-07	1.93E-07	3.72E-07	1.55E-07	1.71E-07	3.26E-07	1.88E-08	2.77E-08	4.65E-08	1.63E-08	1.71E-08	3.34E-08
1159	567464.91	4216850.45	1.79E-07	1.93E-07	3.72E-07	1.55E-07	1.71E-07	3.26E-07	1.88E-08	2.77E-08	4.64E-08	1.63E-08	1.70E-08	3.34E-08
1160	567470.01	4216858.59	1.79E-07	1.93E-07	3.72E-07	1.55E-07	1.71E-07	3.26E-07	1.87E-08	2.77E-08	4.64E-08	1.63E-08	1.70E-08	3.34E-08
1161	567472.78	4216876.05	1.85E-07	2.00E-07	3.86E-07	1.61E-07	1.77E-07	3.38E-07	1.94E-08	2.87E-08	4.81E-08	1.69E-08	1.77E-08	3.46E-08
1162	567470.45	4216885.37	1.92E-07	2.08E-07	4.00E-07	1.67E-07	1.84E-07	3.50E-07	2.02E-08	2.98E-08	4.99E-08	1.76E-08	1.83E-08	3.59E-08
1163	567468.13	4216894.7	2E-07	2.16E-07	4.15E-07	1.73E-07	1.91E-07	3.64E-07	2.09E-08	3.09E-08	5.18E-08	1.82E-08	1.90E-08	3.73E-08
1164	567465.8	4216904.02	2.08E-07	2.24E-07	4.32E-07	1.80E-07	1.98E-07	3.79E-07	2.18E-08	3.21E-08	5.39E-08	1.90E-08	1.98E-08	3.88E-08
1165	567458.81	4216931.98	2.37E-07	2.56E-07	4.92E-07	2.05E-07	2.26E-07	4.32E-07	2.48E-08	3.67E-08	6.15E-08	2.16E-08	2.26E-08	4.42E-08
1166	567456.48	4216941.3	2.48E-07	2.67E-07	5.15E-07	2.15E-07	2.36E-07	4.51E-07	2.60E-08	3.83E-08	6.43E-08	2.26E-08	2.36E-08	4.62E-08
1167	567454.16	4216950.63	2.59E-07	2.79E-07	5.38E-07	2.24E-07	2.47E-07	4.71E-07	2.71E-08	4.00E-08	6.71E-08	2.36E-08	2.46E-08	4.83E-08
1168	567451.83	4216959.95	2.7E-07	2.92E-07	5.62E-07	2.34E-07	2.58E-07	4.92E-07	2.83E-08	4.18E-08	7.02E-08	2.47E-08	2.57E-08	5.04E-08
1169	567449.5	4216969.27	2.82E-07	3.05E-07	5.87E-07	2.45E-07	2.70E-07	5.15E-07	2.96E-08	4.37E-08	7.33E-08	2.58E-08	2.69E-08	5.27E-08
1170	567447.17	4216978.59	2.96E-07	3.19E-07	6.15E-07	2.56E-07	2.82E-07	5.39E-07	3.10E-08	4.58E-08	7.68E-08	2.70E-08	2.82E-08	5.52E-08
1171	567444.84	4216987.91	3.1E-07	3.34E-07	6.44E-07	2.69E-07	2.96E-07	5.64E-07	3.25E-08	4.79E-08	8.04E-08	2.83E-08	2.95E-08	5.78E-08
1172	567362.9	4216687.6	1.49E-07	1.60E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.86E-08	1.36E-08	1.42E-08	2.77E-08
1173	567354.99	4216682.08	1.48E-07	1.59E-07	3.07E-07	1.28E-07	1.41E-07	2.69E-07	1.55E-08	2.28E-08	3.83E-08	1.35E-08	1.41E-08	2.75E-08
1174	567347.08	4216676.57	1.46E-07	1.58E-07	3.04E-07	1.27E-07	1.40E-07	2.67E-07	1.53E-08	2.26E-08	3.80E-08	1.34E-08	1.39E-08	2.73E-08
1175	567339.17	4216671.05	1.45E-07	1.56E-07	3.01E-07	1.26E-07	1.38E-07	2.64E-07	1.52E-08	2.24E-08	3.76E-08	1.32E-08	1.38E-08	2.70E-08
1176	567307.55	4216649	1.36E-07	1.47E-07	2.83E-07	1.18E-07	1.30E-07	2.48E-07	1.43E-08	2.11E-08	3.54E-08	1.24E-08	1.30E-08	2.54E-08
1177	567299.64	4216643.48	1.34E-07	1.44E-07	2.78E-07	1.16E-07	1.28E-07	2.43E-07	1.40E-08	2.07E-08	3.47E-08	1.22E-08	1.27E-08	2.49E-08
1178	567291.73	4216637.97	1.31E-07	1.41E-07	2.72E-07	1.13E-07	1.25E-07	2.38E-07	1.37E-08	2.02E-08	3.39E-08	1.19E-08	1.24E-08	2.44E-08
1179	567283.82	4216632.45	1.28E-07	1.38E-07	2.65E-07	1.11E-07	1.22E-07	2.33E-07	1.34E-08	1.97E-08	3.31E-08	1.17E-08	1.22E-08	2.38E-08
1180	567275.92	4216626.94	1.25E-07	1.34E-07	2.59E-07	1.08E-07	1.19E-07	2.27E-07	1.31E-08	1.93E-08	3.23E-08	1.14E-08	1.19E-08	2.33E-08
1181	567268.01	4216621.42	1.22E-07	1.31E-07	2.53E-07	1.05E-07	1.16E-07	2.21E-07	1.27E-08	1.88E-08	3.16E-08	1.11E-08	1.16E-08	2.27E-08
1182	567260.1	4216615.91	1.19E-07	1.28E-07	2.46E-07	1.03E-07	1.13E-07	2.16E-07	1.24E-08	1.83E-08	3.08E-08	1.08E-08	1.13E-08	2.21E-08
1183	567252.2	4216610.4	1.16E-07	1.25E-07	2.40E-07	1.00E-07	1.10E-07	2.11E-07	1.21E-08	1.79E-08	3.00E-08	1.06E-08	1.10E-08	2.16E-08
1184	567373.68	4216687.47	1.44E-07	1.56E-07	3.00E-07	1.25E-07	1.38E-07	2.63E-07	1.51E-08	2.23E-08	3.74E-08	1.32E-08	1.37E-08	2.69E-08
1185	567378.73	4216695.55	1.47E-07	1.59E-07	3.07E-07	1.28E-07	1.41E-07	2.69E-07	1.55E-08	2.28E-08	3.83E-08	1.35E-08	1.41E-08	2.75E-08
1186	567383.79	4216703.62	1.51E-07	1.62E-07	3.13E-07	1.31E-07	1.44E-07	2.74E-07	1.58E-08	2.33E-08	3.91E-08	1.37E-08	1.43E-08	2.81E-08
1187	567388.85	4216711.7	1.54E-07	1.66E-07	3.19E-07	1.33E-07	1.47E-07	2.80E-07	1.61E-08	2.38E-08	3.99E-08	1.40E-08	1.46E-08	2.87E-08
1188	567393.91	4216719.78	1.58E-07	1.70E-07	3.28E-07	1.37E-07	1.51E-07	2.88E-07	1.65E-08	2.44E-08	4.10E-08	1.44E-08	1.50E-08	2.94E-08
1189	567398.97	4216727.85	1.6E-07	1.73E-07	3.34E-07	1.39E-07	1.53E-07	2.92E-07	1.68E-08	2.48E-08	4.16E-08	1.46E-08	1.53E-08	2.99E-08
1190	567409.09	4216744.01	1.65E-07	1.78E-07	3.43E-07	1.43E-07	1.57E-07	3.00E-07	1.73E-08	2.55E-08	4.28E-08	1.50E-08	1.57E-08	3.07E-08
1191	567414.15	4216752.09	1.66E-07	1.80E-07	3.46E-07	1.44E-07	1.59E-07	3.03E-07	1.74E-08	2.57E-08	4.32E-08	1.52E-08	1.59E-08	3.10E-08
1192	567419.21	4216760.16	1.68E-07	1.81E-07	3.49E-07	1.46E-07	1.60E-07	3.06E-07	1.76E-08	2.60E-08	4.36E-08	1.53E-08	1.60E-08	3.13E-08
1193	567424.27	4216768.24	1.69E-07	1.82E-07	3.51E-07	1.47E-07	1.61E-07	3.08E-07	1.77E-08	2.62E-08	4.39E-08	1.54E-08	1.61E-08	3.15E-08
1194	567429.33	4216776.32	1.7E-07	1.84E-07	3.54E-07	1.48E-07	1.62E-07	3.10E-07	1.78E-08	2.63E-08	4.41E-08	1.55E-08	1.62E-08	3.17E-08
1195	567434.39	4216784.39	1.71E-07	1.84E-07	3.55E-07	1.48E-07	1.63E-07	3.11E-07	1.79E-08	2.64E-08	4.43E-08	1.56E-08	1.63E-08	3.19E-08
1196	567439.45	4216792.47	1.71E-07	1.85E-07	3.56E-07	1.48E-07	1.63E-07	3.12E-07	1.79E-08	2.65E-08	4.44E-08	1.56E-08	1.63E-08	3.19E-08
1197	567444.51	4216800.55	1.71E-07	1.85E-07	3.56E-07	1.48E-07	1.63E-07	3.12E-07	1.79E-08	2.65E-08	4.44E-08	1.56E-08	1.63E-08	3.19E-08
1198	567459.69	4216824.78	1.71E-07	1.84E-07	3.55E-07	1.48E-07	1.63E-07	3.11E-07	1.79E-08	2.64E-08	4.43E-08	1.56E-08	1.63E-08	3.19E-08
1199	567464.75	4216832.85	1.71E-07	1.84E-07	3.55E-07	1.48E-07	1.63E-07	3.11E-07	1.79E-08	2.64E-08	4.43E-08	1.56E-08	1.63E-08	3.18E-08
1200	567469.81	4216840.93	1.7E-07	1.84E-07	3.54E-07	1.48E-07	1.63E-07	3.11E-07	1.79E-08	2.64E-08	4.42E-08	1.56E-08	1.62E-08	3.18E-08
1201	567474.87	4216849.01	1.7E-07	1.84E-07	3.54E-07	1.48E-07	1.62E-07	3.10E-07	1.78E-08	2.63E-08	4.42E-08	1.55E-08	1.62E-08	3.17E-08
1202	567479.93	4216857.09	1.7E-07	1.83E-07	3.53E-07	1.47E-07	1.62E-07	3.10E-07	1.78E-08	2.63E-08	4.41E-08	1.55E-08	1.62E-08	3.17E-08
1203	567482.68	4216874.41	1.76E-07	1.90E-07	3.65E-07	1.52E-07	1.68E-07	3.20E-07	1.84E-08	2.72E-08	4.56E-08	1.60E-08	1.67E-08	3.28E-08
1204	567480.37	4216883.66	1.82E-07	1.96E-07	3.78E-07	1.58E-07	1.74E-07	3.32E-07	1.91E-08	2.82E-08	4.72E-08	1.66E-08	1.73E-08	3.40E-08
1205	567478.06	4216892.9	1.89E-07	2.04E-07	3.92E-07	1.64E-07	1.80E-07	3.44E-07	1.98E-08	2.92E-08	4.90E-08	1.72E-08	1.80E-08	3.52E-08
1206	567475.75	4216902.15	1.96E-07	2.11E-07	4.07E-07	1.70E-07	1.87E-07	3.57E-07	2.05E-08	3.03E-08	5.08E-08	1.79E-08	1.87E-08	3.65E-08
1207	567468.82	4216929.89	2.22E-07	2.39E-07	4.61E-07	1.92E-07	2.12E-07	4.04E-07	2.32E-08	3.43E-08	5.76E-08	2.02E-08	2.11E-08	4.14E-08
1208	567466.51	4216939.14	2.31E-07	2.50E-07	4.81E-07	2.01E-07	2.21E-07	4.22E-07	2.43E-08	3.58E-08	6.01E-08	2.11E-08	2.21E-08	4.32E-08
1209	567464.2	4216948.38	2.41E-07	2.61E-07	5.02E-07	2.09E-07	2.31E-07	4.40E-07	2.53E-08	3.74E-08	6.27E-08	2.20E-08	2.30E-08	4.51E-08
1210	567461.89	4216957.63	2.52E-07	2.72E-07	5.24E-07	2.19E-07	2.41E-07	4.59E-07	2.64E-08	3.90E-08	6.54E-08	2.30E-08	2.40E-08	4.70E-08
1211	567459.58	4216966.88	2.63E-07	2.84E-07	5.47E-07	2.28E-07	2.51E-07	4.80E-07	2.76E-08	4.07E-08	6.83E-08	2.40E-08	2.51E-08	4.91E-08
1212	567457.27	4216976.12	2.75E-07	2.97E-07	5.72E-07	2.39E-07	2.63E-07	5.01E-07	2.89E-08	4.26E-08	7.14E-08	2.51E-08	2.62E-08	5.14E-08
1213	567454.96	4216985.37	2.88E-07	3.11E-07	5.98E-07	2.50E-07	2.75E-07	5.24E-07	3.02E-08	4.45E-08	7.47E-08	2.63E-08	2.74E-08	5.37E-08
1214	567452.65	4216994.62	3.01E-07	3.25E-07	6.25E-07	2.61E-07	2.87E-07	5.48E-07	3.15E-08	4.65E-08	7.81E-08	2.75E-08	2.87E-08	5.61E-08
1215	567368.62	4216679.39	1.41E-07	1.52E-07	2.93E-07	1.22E-07	1.34E-07	2.57E-07	1.48E-08	2.18E-08	3.65E-08	1.29E-08	1.34E-08	2.63E-08
1216	567360.71	4216673.88	1.4E-07	1.51E-07	2.91E-07	1.21E-07	1.34E-07	2.55E-07	1.47E-08	2.16E-08	3.63E-08	1.28E-08	1.33E-08	2.61E-08
1217	567352.8	4216668.36	1.39E-07	1.50E-07	2.88E-07	1.20E-07	1.32E-07	2.53E-07	1.45E-08	2.14E-08	3.60E-08	1.27E-08	1.32E-08	2.59E-08
1218	567321.17	4216646.31	1.32E-07	1.42E-07	2.74E-07	1.14E-07	1.26E-07	2.40E-07	1.38E-08	2.04E-08	3.42E-08	1.20E-08	1.26E-08	2.46E-08
1219	567313.27	4216640.79	1.29E-07	1.40E-07	2.69E-07	1.12E-07	1.24E-07	2.36E-07	1.36E-08	2.00E-08	3.36E-08	1.18E-08	1.23E-08	2.42E-08
1220	567305.36	4216635.28	1.27E-07	1.37E-07	2.64E-07	1.10E-07	1.21E-07	2.31E-07	1.33E-08	1.96E-08	3.29E-08	1.16E-08	1.21E-08	2.37E-08
1221	567297.45	4216629.76	1.24E-07	1.34E-07	2.58E-07	1.08E-07	1.19E-07	2.26E-07	1.30E-08	1.92E-08	3.22E-08	1.13E-08	1.18E-08	2.32E-08
1222	567289.54	4216624.25	1.21E-07	1.31E-07	2.52E-07	1.05E-07	1.16E-07	2.21E-07	1.27E-08	1.88E-08	3.15E-08	1.11E-08	1.16E-08	2.27E-08
1223	567281.64	4216618.74	1.19E-07	1.28E-07	2.47E-07	1.03E-07	1.13E-07	2.16E-07	1.24E-08	1.84E-08	3.08E-08	1.08E-08	1.13E-08	2.21E-08
1224	567273.73	4216613.22	1.16E-07	1.25E-07	2.41E-07	1.00E-07	1.11E-07	2.11E-07	1.21E-08	1.79E-08	3.01E-08	1.06E-08	1.10E-08	2.16E-08
1225	567265.82	4216607.71	1.13E-07	1.22E-07	2.35E-07	9.81E-08	1.08E-07	2.06E-07	1.19E-08	1.75E-08	2.94E-08	1.03E-08	1.08E-08	2.11E-08
1226	567257.92	4216602.19	1.1E-07	1.19E-07	2.29E-07	9.57E-08	1.05E-07	2.01E-07	1.16E-08	1.71E-08	2.86E-08	1.01E-08	1.05E-08	2.06E-08
1227	567379.36	4216679.21	1.37E-07	1.48E-07	2.85E-07	1.19E-07	1.31E-07	2.49E-07	1.44E-08	2.12E-08	3.55E-08	1.25E-08	1.30E-08	2.55E-08
1228	567384.38	4216687.22	1.4E-07	1.51E-07	2.91E-07	1.21E-07	1.34E-07	2.55E-07	1.47E-08	2.17E-08	3.63E-08	1.28E-08	1.33E-08	2.61E-08

1229	567389.4	4216695.24	1.43E-07	1.54E-07	2.97E-07	1.24E-07	1.37E-07	2.61E-07	1.50E-08	2.21E-08	3.71E-08	1.31E-08	1.36E-08	2.67E-08
1230	567394.42	4216703.26	1.46E-07	1.57E-07	3.03E-07	1.27E-07	1.39E-07	2.66E-07	1.53E-08	2.26E-08	3.79E-08	1.33E-08	1.39E-08	2.72E-08
1231	567399.45	4216711.27	1.49E-07	1.60E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.86E-08	1.36E-08	1.42E-08	2.77E-08
1232	567404.47	4216719.29	1.52E-07	1.64E-07	3.17E-07	1.32E-07	1.45E-07	2.78E-07	1.60E-08	2.36E-08	3.95E-08	1.39E-08	1.45E-08	2.84E-08
1233	567409.49	4216727.31	1.54E-07	1.67E-07	3.21E-07	1.34E-07	1.48E-07	2.82E-07	1.62E-08	2.39E-08	4.01E-08	1.41E-08	1.47E-08	2.88E-08
1234	567419.53	4216743.34	1.58E-07	1.71E-07	3.29E-07	1.37E-07	1.51E-07	2.88E-07	1.66E-08	2.45E-08	4.10E-08	1.44E-08	1.51E-08	2.95E-08
1235	567424.56	4216751.36	1.59E-07	1.72E-07	3.31E-07	1.38E-07	1.52E-07	2.90E-07	1.67E-08	2.47E-08	4.14E-08	1.46E-08	1.52E-08	2.97E-08
1236	567429.58	4216759.38	1.61E-07	1.73E-07	3.34E-07	1.39E-07	1.53E-07	2.93E-07	1.68E-08	2.48E-08	4.17E-08	1.47E-08	1.53E-08	3.00E-08
1237	567434.6	4216767.39	1.62E-07	1.74E-07	3.36E-07	1.40E-07	1.54E-07	2.94E-07	1.69E-08	2.50E-08	4.19E-08	1.48E-08	1.54E-08	3.02E-08
1238	567439.62	4216775.41	1.62E-07	1.75E-07	3.38E-07	1.41E-07	1.55E-07	2.96E-07	1.70E-08	2.51E-08	4.21E-08	1.48E-08	1.55E-08	3.03E-08
1239	567444.64	4216783.43	1.63E-07	1.76E-07	3.39E-07	1.41E-07	1.56E-07	2.97E-07	1.71E-08	2.52E-08	4.23E-08	1.49E-08	1.55E-08	3.04E-08
1240	567449.67	4216791.44	1.63E-07	1.76E-07	3.39E-07	1.41E-07	1.56E-07	2.97E-07	1.71E-08	2.52E-08	4.23E-08	1.49E-08	1.55E-08	3.04E-08
1241	567454.69	4216799.46	1.63E-07	1.76E-07	3.39E-07	1.41E-07	1.56E-07	2.97E-07	1.71E-08	2.52E-08	4.24E-08	1.49E-08	1.55E-08	3.04E-08
1242	567464.73	4216815.49	1.63E-07	1.76E-07	3.39E-07	1.41E-07	1.56E-07	2.97E-07	1.71E-08	2.52E-08	4.23E-08	1.49E-08	1.55E-08	3.04E-08
1243	567469.75	4216823.51	1.63E-07	1.76E-07	3.39E-07	1.41E-07	1.56E-07	2.97E-07	1.71E-08	2.52E-08	4.23E-08	1.49E-08	1.55E-08	3.04E-08
1244	567474.78	4216831.53	1.63E-07	1.76E-07	3.38E-07	1.41E-07	1.55E-07	2.96E-07	1.71E-08	2.52E-08	4.22E-08	1.49E-08	1.55E-08	3.04E-08
1245	567479.8	4216839.54	1.62E-07	1.75E-07	3.38E-07	1.41E-07	1.55E-07	2.96E-07	1.70E-08	2.51E-08	4.22E-08	1.48E-08	1.55E-08	3.03E-08
1246	567484.82	4216847.56	1.62E-07	1.75E-07	3.37E-07	1.41E-07	1.55E-07	2.95E-07	1.70E-08	2.51E-08	4.21E-08	1.48E-08	1.54E-08	3.02E-08
1247	567489.84	4216855.58	1.62E-07	1.74E-07	3.36E-07	1.40E-07	1.54E-07	2.95E-07	1.70E-08	2.50E-08	4.20E-08	1.48E-08	1.54E-08	3.02E-08
1248	567492.57	4216872.77	1.67E-07	1.80E-07	3.46E-07	1.44E-07	1.59E-07	3.04E-07	1.75E-08	2.58E-08	4.32E-08	1.52E-08	1.59E-08	3.11E-08
1249	567490.28	4216881.95	1.72E-07	1.86E-07	3.58E-07	1.50E-07	1.65E-07	3.14E-07	1.81E-08	2.67E-08	4.48E-08	1.57E-08	1.64E-08	3.22E-08
1250	567487.99	4216891.13	1.79E-07	1.93E-07	3.72E-07	1.55E-07	1.71E-07	3.26E-07	1.87E-08	2.77E-08	4.64E-08	1.63E-08	1.70E-08	3.34E-08
1251	567485.69	4216900.31	1.85E-07	2.00E-07	3.85E-07	1.61E-07	1.77E-07	3.38E-07	1.94E-08	2.87E-08	4.81E-08	1.69E-08	1.77E-08	3.46E-08
1252	567483.4	4216909.48	1.92E-07	2.08E-07	4.00E-07	1.67E-07	1.84E-07	3.50E-07	2.02E-08	2.98E-08	4.99E-08	1.76E-08	1.83E-08	3.59E-08
1253	567476.52	4216937.02	2.17E-07	2.34E-07	4.51E-07	1.88E-07	2.07E-07	3.95E-07	2.28E-08	3.36E-08	5.63E-08	1.98E-08	2.07E-08	4.05E-08
1254	567474.23	4216946.2	2.26E-07	2.44E-07	4.70E-07	1.96E-07	2.16E-07	4.12E-07	2.37E-08	3.50E-08	5.87E-08	2.06E-08	2.15E-08	4.22E-08
1255	567471.94	4216955.37	2.36E-07	2.54E-07	4.90E-07	2.04E-07	2.25E-07	4.29E-07	2.47E-08	3.65E-08	6.12E-08	2.15E-08	2.24E-08	4.40E-08
1256	567469.65	4216964.55	2.46E-07	2.65E-07	5.11E-07	2.13E-07	2.35E-07	4.48E-07	2.58E-08	3.80E-08	6.38E-08	2.24E-08	2.34E-08	4.59E-08
1257	567467.35	4216973.73	2.56E-07	2.77E-07	5.33E-07	2.23E-07	2.45E-07	4.68E-07	2.69E-08	3.97E-08	6.66E-08	2.34E-08	2.44E-08	4.79E-08
1258	567465.06	4216982.91	2.68E-07	2.89E-07	5.57E-07	2.32E-07	2.56E-07	4.88E-07	2.81E-08	4.15E-08	6.95E-08	2.45E-08	2.55E-08	5.00E-08
1259	567462.77	4216992.09	2.8E-07	3.02E-07	5.81E-07	2.43E-07	2.67E-07	5.10E-07	2.93E-08	4.33E-08	7.26E-08	2.55E-08	2.67E-08	5.22E-08
1260	567460.48	4217001.26	2.92E-07	3.15E-07	6.07E-07	2.53E-07	2.79E-07	5.32E-07	3.06E-08	4.52E-08	7.58E-08	2.67E-08	2.78E-08	5.45E-08
1261	567374.34	4216671.19	1.34E-07	1.44E-07	2.78E-07	1.16E-07	1.28E-07	2.44E-07	1.40E-08	2.07E-08	3.47E-08	1.22E-08	1.27E-08	2.50E-08
1262	567366.43	4216665.68	1.33E-07	1.43E-07	2.76E-07	1.15E-07	1.27E-07	2.42E-07	1.39E-08	2.05E-08	3.45E-08	1.21E-08	1.26E-08	2.48E-08
1263	567334.8	4216643.62	1.27E-07	1.37E-07	2.64E-07	1.10E-07	1.21E-07	2.32E-07	1.33E-08	1.97E-08	3.30E-08	1.16E-08	1.21E-08	2.37E-08
1264	567326.89	4216638.1	1.25E-07	1.35E-07	2.61E-07	1.09E-07	1.20E-07	2.28E-07	1.31E-08	1.94E-08	3.25E-08	1.14E-08	1.19E-08	2.34E-08
1265	567318.99	4216632.59	1.23E-07	1.33E-07	2.56E-07	1.07E-07	1.18E-07	2.24E-07	1.29E-08	1.91E-08	3.20E-08	1.12E-08	1.17E-08	2.30E-08
1266	567311.08	4216627.08	1.21E-07	1.30E-07	2.51E-07	1.05E-07	1.15E-07	2.20E-07	1.27E-08	1.87E-08	3.13E-08	1.10E-08	1.15E-08	2.25E-08
1267	567303.17	4216621.56	1.18E-07	1.28E-07	2.46E-07	1.03E-07	1.13E-07	2.16E-07	1.24E-08	1.83E-08	3.07E-08	1.08E-08	1.13E-08	2.21E-08
1268	567295.26	4216616.05	1.16E-07	1.25E-07	2.41E-07	1.00E-07	1.11E-07	2.11E-07	1.21E-08	1.79E-08	3.00E-08	1.06E-08	1.10E-08	2.16E-08
1269	567287.36	4216610.53	1.13E-07	1.22E-07	2.35E-07	9.81E-08	1.08E-07	2.06E-07	1.19E-08	1.75E-08	2.94E-08	1.03E-08	1.08E-08	2.11E-08
1270	567279.45	4216605.02	1.11E-07	1.19E-07	2.30E-07	9.59E-08	1.06E-07	2.01E-07	1.16E-08	1.71E-08	2.87E-08	1.01E-08	1.05E-08	2.06E-08
1271	567271.54	4216599.5	1.08E-07	1.17E-07	2.24E-07	9.37E-08	1.03E-07	1.97E-07	1.13E-08	1.67E-08	2.80E-08	9.86E-09	1.03E-08	2.01E-08
1272	567263.64	4216593.99	1.05E-07	1.14E-07	2.19E-07	9.14E-08	1.01E-07	1.92E-07	1.11E-08	1.63E-08	2.74E-08	9.62E-09	1.00E-08	1.97E-08
1273	567385.04	4216670.95	1.3E-07	1.41E-07	2.71E-07	1.13E-07	1.24E-07	2.37E-07	1.37E-08	2.02E-08	3.38E-08	1.19E-08	1.24E-08	2.43E-08
1274	567390.03	4216678.91	1.33E-07	1.44E-07	2.77E-07	1.15E-07	1.27E-07	2.43E-07	1.40E-08	2.06E-08	3.46E-08	1.22E-08	1.27E-08	2.48E-08
1275	567395.02	4216686.87	1.36E-07	1.47E-07	2.83E-07	1.18E-07	1.30E-07	2.48E-07	1.43E-08	2.10E-08	3.53E-08	1.24E-08	1.30E-08	2.54E-08
1276	567400.01	4216694.83	1.39E-07	1.50E-07	2.88E-07	1.20E-07	1.32E-07	2.53E-07	1.45E-08	2.15E-08	3.60E-08	1.27E-08	1.32E-08	2.59E-08
1277	567404.99	4216702.8	1.41E-07	1.52E-07	2.94E-07	1.22E-07	1.35E-07	2.57E-07	1.48E-08	2.19E-08	3.67E-08	1.29E-08	1.35E-08	2.64E-08
1278	567409.98	4216710.76	1.44E-07	1.55E-07	2.98E-07	1.25E-07	1.37E-07	2.62E-07	1.51E-08	2.22E-08	3.73E-08	1.31E-08	1.37E-08	2.68E-08
1279	567429.93	4216742.6	1.52E-07	1.64E-07	3.15E-07	1.32E-07	1.45E-07	2.76E-07	1.59E-08	2.35E-08	3.94E-08	1.38E-08	1.44E-08	2.83E-08
1280	567434.92	4216750.57	1.53E-07	1.65E-07	3.18E-07	1.32E-07	1.46E-07	2.78E-07	1.60E-08	2.36E-08	3.97E-08	1.39E-08	1.46E-08	2.85E-08
1281	567439.9	4216758.53	1.54E-07	1.66E-07	3.20E-07	1.33E-07	1.47E-07	2.80E-07	1.61E-08	2.38E-08	3.99E-08	1.40E-08	1.46E-08	2.87E-08
1282	567444.89	4216766.49	1.55E-07	1.67E-07	3.21E-07	1.34E-07	1.48E-07	2.82E-07	1.62E-08	2.39E-08	4.01E-08	1.41E-08	1.47E-08	2.88E-08
1283	567449.88	4216774.45	1.55E-07	1.67E-07	3.23E-07	1.35E-07	1.48E-07	2.83E-07	1.63E-08	2.40E-08	4.03E-08	1.42E-08	1.48E-08	2.90E-08
1284	567454.87	4216782.41	1.56E-07	1.68E-07	3.23E-07	1.35E-07	1.49E-07	2.84E-07	1.63E-08	2.41E-08	4.04E-08	1.42E-08	1.48E-08	2.90E-08
1285	567459.85	4216790.37	1.56E-07	1.68E-07	3.24E-07	1.35E-07	1.49E-07	2.84E-07	1.63E-08	2.41E-08	4.04E-08	1.42E-08	1.48E-08	2.91E-08
1286	567464.84	4216798.33	1.56E-07	1.68E-07	3.24E-07	1.35E-07	1.49E-07	2.84E-07	1.63E-08	2.41E-08	4.04E-08	1.42E-08	1.48E-08	2.91E-08
1287	567474.82	4216814.26	1.56E-07	1.68E-07	3.24E-07	1.35E-07	1.49E-07	2.84E-07	1.63E-08	2.41E-08	4.04E-08	1.42E-08	1.48E-08	2.90E-08
1288	567479.8	4216822.22	1.55E-07	1.68E-07	3.23E-07	1.35E-07	1.49E-07	2.83E-07	1.63E-08	2.41E-08	4.04E-08	1.42E-08	1.48E-08	2.90E-08
1289	567484.79	4216830.18	1.55E-07	1.68E-07	3.23E-07	1.35E-07	1.48E-07	2.83E-07	1.63E-08	2.40E-08	4.03E-08	1.42E-08	1.48E-08	2.90E-08
1290	567489.78	4216838.14	1.55E-07	1.67E-07	3.22E-07	1.34E-07	1.48E-07	2.82E-07	1.62E-08	2.40E-08	4.02E-08	1.42E-08	1.48E-08	2.89E-08
1291	567494.77	4216846.1	1.54E-07	1.67E-07	3.21E-07	1.34E-07	1.48E-07	2.82E-07	1.62E-08	2.39E-08	4.01E-08	1.41E-08	1.47E-08	2.88E-08
1292	567493.36	4216907.6	1.82E-07	1.96E-07	3.78E-07	1.58E-07	1.74E-07	3.31E-07	1.91E-08	2.81E-08	4.72E-08	1.66E-08	1.73E-08	3.39E-08
1293	567484.25	4216944.06	2.12E-07	2.29E-07	4.42E-07	1.84E-07	2.03E-07	3.87E-07	2.23E-08	3.29E-08	5.51E-08	1.94E-08	2.02E-08	3.96E-08
1294	567481.97	4216953.17	2.21E-07	2.39E-07	4.60E-07	1.92E-07	2.11E-07	4.03E-07	2.32E-08	3.42E-08	5.74E-08	2.02E-08	2.11E-08	4.13E-08
1295	567479.7	4216962.29	2.3E-07	2.49E-07	4.79E-07	2.00E-07	2.20E-07	4.20E-07	2.42E-08	3.56E-08	5.98E-08	2.10E-08	2.20E-08	4.30E-08
1296	567477.42	4216971.4	2.4E-07	2.59E-07	4.99E-07	2.08E-07	2.29E-07	4.37E-07	2.52E-08	3.71E-08	6.23E-08	2.19E-08	2.29E-08	4.48E-08
1297	567475.14	4216980.52	2.5E-07	2.70E-07	5.20E-07	2.17E-07	2.39E-07	4.56E-07	2.62E-08	3.87E-08	6.49E-08	2.28E-08	2.38E-08	4.67E-08
1298	567472.87	4216989.63	2.61E-07	2.81E-07	5.42E-07	2.26E-07	2.49E-07	4.75E-07	2.73E-08	4.03E-08	6.77E-08	2.38E-08	2.48E-08	4.86E-08
1299	567470.59	4216998.75	2.72E-07	2.93E-07	5.65E-07	2.36E-07	2.60E-07	4.96E-07	2.85E-08	4.21E-08	7.06E-08	2.48E-08	2.59E-08	5.07E-08
1300	567380.06	4216662.99	1.27E-07	1.37E-07	2.64E-07	1.10E-07	1.21E-07	2.32E-07	1.33E-08	1.97E-08	3.30E-08	1.16E-08	1.21E-08	2.37E-08
1301	567340.52	4216635.42	1.21E-07	1.30E-07	2.51E-07	1.05E-07	1.15E-07	2.20E-07	1.27E-08	1.87E-08	3.13E-08	1.10E-08	1.15E-08	2.25E-08
1302	567332.61	4216629.9	1.19E-07	1.29E-07	2.48E-07	1.03E-07	1.14E-07	2.17E-07	1.25E-08	1.85E-08	3.10E-08	1.09E-08	1.14E-08	2.23E-08
1303	567324.71	4216624.39	1.17E-07	1.27E-07	2.44E-07	1.02E-07	1.12E-07	2.14E-07	1.23E-08	1.81E-08	3.04E-08	1.07E-08	1.12E-08	2.19E-08
1304	567316.8	4216618.87	1.15E-07	1.24E-07	2.39E-07	9.98E-08	1.10E-07	2.10E-07	1.21E-08	1.78E-08	2.99E-08	1.05E-08	1.10E-08	2.15E-08
1305	567308.89	4216613.36	1.13E-07	1.22E-07	2.34E-07	9.78E-08	1.08E-07	2.06E-07	1.18E-08	1.75E-08	2.93E-08	1.03E-08	1.07E-08	2.10E-08

1306	567300.98	4216607.85	1.1E-07	1.19E-07	2.30E-07	9.58E-08	1.05E-07	2.01E-07	1.16E-08	1.71E-08	2.87E-08	1.01E-08	1.05E-08	2.06E-08
1307	567293.08	4216602.33	1.08E-07	1.17E-07	2.25E-07	9.37E-08	1.03E-07	1.97E-07	1.13E-08	1.67E-08	2.80E-08	9.86E-09	1.03E-08	2.02E-08
1308	567285.17	4216596.82	1.06E-07	1.14E-07	2.20E-07	9.16E-08	1.01E-07	1.92E-07	1.11E-08	1.63E-08	2.74E-08	9.65E-09	1.01E-08	1.97E-08
1309	567277.26	4216591.3	1.03E-07	1.11E-07	2.15E-07	8.95E-08	9.86E-08	1.88E-07	1.08E-08	1.60E-08	2.68E-08	9.43E-09	9.84E-09	1.93E-08
1310	567269.36	4216585.79	1.01E-07	1.09E-07	2.10E-07	8.75E-08	9.63E-08	1.84E-07	1.06E-08	1.56E-08	2.62E-08	9.21E-09	9.61E-09	1.88E-08
1311	567390.73	4216662.7	1.24E-07	1.34E-07	2.58E-07	1.08E-07	1.18E-07	2.26E-07	1.30E-08	1.92E-08	3.22E-08	1.13E-08	1.18E-08	2.31E-08
1312	567395.69	4216670.61	1.27E-07	1.37E-07	2.63E-07	1.10E-07	1.21E-07	2.31E-07	1.33E-08	1.96E-08	3.29E-08	1.16E-08	1.21E-08	2.37E-08
1313	567400.64	4216678.52	1.29E-07	1.40E-07	2.69E-07	1.12E-07	1.24E-07	2.36E-07	1.36E-08	2.00E-08	3.36E-08	1.18E-08	1.23E-08	2.41E-08
1314	567405.6	4216686.43	1.32E-07	1.42E-07	2.74E-07	1.14E-07	1.26E-07	2.40E-07	1.38E-08	2.04E-08	3.43E-08	1.21E-08	1.26E-08	2.46E-08
1315	567410.55	4216694.34	1.34E-07	1.45E-07	2.79E-07	1.17E-07	1.28E-07	2.45E-07	1.41E-08	2.08E-08	3.49E-08	1.23E-08	1.28E-08	2.51E-08
1316	567420.46	4216710.16	1.39E-07	1.50E-07	2.88E-07	1.20E-07	1.32E-07	2.53E-07	1.45E-08	2.14E-08	3.60E-08	1.27E-08	1.32E-08	2.59E-08
1317	567425.42	4216718.07	1.42E-07	1.53E-07	2.94E-07	1.23E-07	1.35E-07	2.58E-07	1.48E-08	2.19E-08	3.67E-08	1.29E-08	1.35E-08	2.64E-08
1318	567435.33	4216733.89	1.44E-07	1.56E-07	3.00E-07	1.25E-07	1.38E-07	2.63E-07	1.51E-08	2.23E-08	3.75E-08	1.32E-08	1.38E-08	2.69E-08
1319	567440.29	4216741.8	1.45E-07	1.57E-07	3.02E-07	1.26E-07	1.39E-07	2.65E-07	1.53E-08	2.25E-08	3.78E-08	1.33E-08	1.39E-08	2.71E-08
1320	567450.2	4216757.62	1.47E-07	1.59E-07	3.07E-07	1.28E-07	1.41E-07	2.69E-07	1.55E-08	2.28E-08	3.83E-08	1.35E-08	1.40E-08	2.75E-08
1321	567455.15	4216765.53	1.48E-07	1.60E-07	3.08E-07	1.28E-07	1.41E-07	2.70E-07	1.55E-08	2.29E-08	3.85E-08	1.35E-08	1.41E-08	2.76E-08
1322	567460.11	4216773.44	1.49E-07	1.60E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.86E-08	1.36E-08	1.42E-08	2.77E-08
1323	567465.06	4216781.35	1.49E-07	1.61E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.86E-08	1.36E-08	1.42E-08	2.78E-08
1324	567470.02	4216789.26	1.49E-07	1.61E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.86E-08	1.36E-08	1.42E-08	2.78E-08
1325	567474.97	4216797.18	1.49E-07	1.61E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.86E-08	1.36E-08	1.42E-08	2.78E-08
1326	567484.88	4216813	1.49E-07	1.61E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.86E-08	1.36E-08	1.42E-08	2.78E-08
1327	567489.84	4216820.91	1.49E-07	1.60E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.86E-08	1.36E-08	1.42E-08	2.77E-08
1328	567494.79	4216828.82	1.48E-07	1.60E-07	3.08E-07	1.29E-07	1.42E-07	2.70E-07	1.56E-08	2.30E-08	3.85E-08	1.35E-08	1.41E-08	2.77E-08
1329	567492	4216951.02	2.08E-07	2.25E-07	4.33E-07	1.80E-07	1.99E-07	3.79E-07	2.18E-08	3.22E-08	5.40E-08	1.90E-08	1.98E-08	3.88E-08
1330	567489.73	4216960.08	2.17E-07	2.34E-07	4.50E-07	1.88E-07	2.07E-07	3.95E-07	2.27E-08	3.35E-08	5.62E-08	1.98E-08	2.06E-08	4.04E-08
1331	567487.47	4216969.13	2.25E-07	2.43E-07	4.69E-07	1.96E-07	2.15E-07	4.11E-07	2.36E-08	3.49E-08	5.85E-08	2.06E-08	2.15E-08	4.21E-08
1332	567485.21	4216978.19	2.34E-07	2.53E-07	4.88E-07	2.03E-07	2.24E-07	4.27E-07	2.46E-08	3.63E-08	6.09E-08	2.14E-08	2.23E-08	4.38E-08
1333	567482.95	4216987.25	2.44E-07	2.63E-07	5.07E-07	2.12E-07	2.33E-07	4.45E-07	2.56E-08	3.78E-08	6.34E-08	2.23E-08	2.33E-08	4.56E-08
1334	567480.68	4216996.3	2.54E-07	2.74E-07	5.28E-07	2.20E-07	2.43E-07	4.63E-07	2.66E-08	3.93E-08	6.60E-08	2.32E-08	2.42E-08	4.74E-08
1335	567478.42	4217005.36	2.65E-07	2.86E-07	5.50E-07	2.30E-07	2.53E-07	4.83E-07	2.78E-08	4.10E-08	6.87E-08	2.42E-08	2.52E-08	4.94E-08
1336	567354.15	4216632.73	1.16E-07	1.26E-07	2.42E-07	1.01E-07	1.11E-07	2.12E-07	1.22E-08	1.80E-08	3.02E-08	1.06E-08	1.11E-08	2.17E-08
1337	567346.24	4216627.21	1.15E-07	1.24E-07	2.39E-07	9.99E-08	1.10E-07	2.10E-07	1.21E-08	1.78E-08	2.99E-08	1.05E-08	1.10E-08	2.15E-08
1338	567338.33	4216621.7	1.14E-07	1.23E-07	2.37E-07	9.87E-08	1.09E-07	2.07E-07	1.19E-08	1.76E-08	2.95E-08	1.04E-08	1.08E-08	2.12E-08
1339	567330.43	4216616.19	1.12E-07	1.21E-07	2.33E-07	9.70E-08	1.07E-07	2.04E-07	1.17E-08	1.73E-08	2.90E-08	1.02E-08	1.07E-08	2.09E-08
1340	567322.52	4216610.67	1.1E-07	1.19E-07	2.28E-07	9.53E-08	1.05E-07	2.00E-07	1.15E-08	1.70E-08	2.85E-08	1.00E-08	1.05E-08	2.05E-08
1341	567314.61	4216605.16	1.08E-07	1.16E-07	2.24E-07	9.34E-08	1.03E-07	1.96E-07	1.13E-08	1.67E-08	2.80E-08	9.84E-09	1.03E-08	2.01E-08
1342	567306.7	4216599.64	1.05E-07	1.14E-07	2.19E-07	9.15E-08	1.01E-07	1.92E-07	1.11E-08	1.63E-08	2.74E-08	9.63E-09	1.01E-08	1.97E-08
1343	567298.8	4216594.13	1.03E-07	1.11E-07	2.15E-07	8.96E-08	9.86E-08	1.88E-07	1.08E-08	1.60E-08	2.68E-08	9.43E-09	9.84E-09	1.93E-08
1344	567290.89	4216588.61	1.01E-07	1.09E-07	2.10E-07	8.76E-08	9.65E-08	1.84E-07	1.06E-08	1.56E-08	2.62E-08	9.23E-09	9.63E-09	1.89E-08
1345	567282.98	4216583.1	9.88E-08	1.07E-07	2.05E-07	8.57E-08	9.43E-08	1.80E-07	1.04E-08	1.53E-08	2.56E-08	9.02E-09	9.41E-09	1.84E-08
1346	567275.08	4216577.59	9.66E-08	1.04E-07	2.01E-07	8.38E-08	9.22E-08	1.76E-07	1.01E-08	1.49E-08	2.51E-08	8.82E-09	9.20E-09	1.80E-08
1347	567103.47	4216803.66	7.71E-07	8.32E-07	1.60E-06	6.69E-07	7.36E-07	1.41E-06	8.08E-08	1.19E-07	2.00E-07	7.04E-08	7.35E-08	1.44E-07
1348	567103.47	4216793.66	6.39E-07	6.90E-07	1.33E-06	5.54E-07	6.10E-07	1.16E-06	6.70E-08	9.89E-08	1.66E-07	5.84E-08	6.09E-08	1.19E-07
1349	567104.9	4216784.11	5.46E-07	5.89E-07	1.14E-06	4.74E-07	5.22E-07	9.95E-07	5.73E-08	8.45E-08	1.42E-07	4.99E-08	5.20E-08	1.02E-07
1350	567104.61	4216774.02	4.7E-07	5.07E-07	9.78E-07	4.08E-07	4.49E-07	8.57E-07	4.93E-08	7.28E-08	1.22E-07	4.29E-08	4.48E-08	8.77E-08
1351	567118.34	4216778.33	5.03E-07	5.43E-07	1.05E-06	4.36E-07	4.80E-07	9.16E-07	5.27E-08	7.78E-08	1.31E-07	4.59E-08	4.79E-08	9.38E-08
1352	567104.42	4216763.96	4.11E-07	4.43E-07	8.54E-07	3.56E-07	3.92E-07	7.49E-07	4.31E-08	6.36E-08	1.07E-07	3.75E-08	3.91E-08	7.67E-08
1353	567117.77	4216768.15	4.36E-07	4.70E-07	9.06E-07	3.78E-07	4.16E-07	7.94E-07	4.57E-08	6.74E-08	1.13E-07	3.98E-08	4.15E-08	8.13E-08
1354	567089.85	4216761.86	3.99E-07	4.30E-07	8.29E-07	3.46E-07	3.81E-07	7.27E-07	4.18E-08	6.17E-08	1.04E-07	3.64E-08	3.80E-08	7.44E-08
1355	567104.29	4216753.91	3.63E-07	3.92E-07	7.55E-07	3.15E-07	3.47E-07	6.62E-07	3.81E-08	5.62E-08	9.43E-08	3.32E-08	3.46E-08	6.78E-08
1356	567117.36	4216758.02	3.83E-07	4.13E-07	7.96E-07	3.32E-07	3.66E-07	6.98E-07	4.01E-08	5.92E-08	9.94E-08	3.50E-08	3.65E-08	7.14E-08
1357	567130.44	4216762.13	4.04E-07	4.36E-07	8.40E-07	3.50E-07	3.86E-07	7.36E-07	4.24E-08	6.25E-08	1.05E-07	3.69E-08	3.85E-08	7.54E-08
1358	567089.85	4216751.86	3.53E-07	3.81E-07	7.35E-07	3.06E-07	3.37E-07	6.44E-07	3.71E-08	5.47E-08	9.17E-08	3.23E-08	3.37E-08	6.59E-08
1359	567105.1	4216744.17	3.25E-07	3.51E-07	6.76E-07	2.82E-07	3.10E-07	5.92E-07	3.41E-08	5.03E-08	8.44E-08	2.97E-08	3.10E-08	6.06E-08
1360	567119.81	4216748.79	3.44E-07	3.71E-07	7.14E-07	2.98E-07	3.28E-07	6.26E-07	3.60E-08	5.32E-08	8.92E-08	3.14E-08	3.27E-08	6.41E-08
1361	567134.52	4216753.42	3.63E-07	3.92E-07	7.56E-07	3.15E-07	3.47E-07	6.62E-07	3.81E-08	5.62E-08	9.43E-08	3.32E-08	3.46E-08	6.78E-08
1362	567089.85	4216741.86	3.16E-07	3.41E-07	6.56E-07	2.74E-07	3.01E-07	5.75E-07	3.31E-08	4.88E-08	8.19E-08	2.88E-08	3.01E-08	5.89E-08
1363	567104.9	4216734.11	2.92E-07	3.15E-07	6.07E-07	2.53E-07	2.79E-07	5.32E-07	3.06E-08	4.52E-08	7.58E-08	2.67E-08	2.78E-08	5.45E-08
1364	567119.2	4216738.6	3.07E-07	3.32E-07	6.39E-07	2.67E-07	2.94E-07	5.60E-07	3.22E-08	4.76E-08	7.98E-08	2.81E-08	2.93E-08	5.74E-08
1365	567133.5	4216743.09	3.23E-07	3.49E-07	6.72E-07	2.81E-07	3.09E-07	5.89E-07	3.39E-08	5.01E-08	8.40E-08	2.95E-08	3.08E-08	6.04E-08
1366	567132.71	4216732.85	2.9E-07	3.14E-07	6.04E-07	2.52E-07	2.77E-07	5.30E-07	3.05E-08	4.50E-08	7.54E-08	2.65E-08	2.77E-08	5.42E-08
1367	567146.69	4216737.24	3.04E-07	3.28E-07	6.33E-07	2.64E-07	2.91E-07	5.55E-07	3.19E-08	4.71E-08	7.90E-08	2.78E-08	2.90E-08	5.68E-08
1368	567145.8	4216726.96	2.75E-07	2.96E-07	5.71E-07	2.38E-07	2.62E-07	5.00E-07	2.88E-08	4.25E-08	7.13E-08	2.51E-08	2.62E-08	5.12E-08
1369	567089.85	4216711.86	2.35E-07	2.54E-07	4.89E-07	2.04E-07	2.25E-07	4.28E-07	2.47E-08	3.64E-08	6.10E-08	2.15E-08	2.24E-08	4.39E-08
1370	567105.19	4216704.2	2.21E-07	2.38E-07	4.59E-07	1.91E-07	2.11E-07	4.02E-07	2.31E-08	3.41E-08	5.73E-08	2.02E-08	2.10E-08	4.12E-08
1371	567089.85	4216701.86	2.16E-07	2.33E-07	4.48E-07	1.87E-07	2.06E-07	3.93E-07	2.26E-08	3.34E-08	5.60E-08	1.97E-08	2.06E-08	4.02E-08
1372	567105.03	4216694.15	2.03E-07	2.19E-07	4.22E-07	1.76E-07	1.94E-07	3.70E-07	2.13E-08	3.14E-08	5.27E-08	1.85E-08	1.93E-08	3.79E-08
1373	567119.59	4216698.72	2.12E-07	2.28E-07	4.40E-07	1.84E-07	2.02E-07	3.86E-07	2.22E-08	3.27E-08	5.49E-08	1.93E-08	2.02E-08	3.95E-08
1374	567134.15	4216703.3	2.21E-07	2.39E-07	4.60E-07	1.92E-07	2.11E-07	4.03E-07	2.32E-08	3.42E-08	5.74E-08	2.02E-08	2.11E-08	4.13E-08
1375	567089.85	4216691.86	1.99E-07	2.14E-07	4.13E-07	1.72E-07	1.90E-07	3.62E-07	2.08E-08	3.07E-08	5.16E-08	1.81E-08	1.89E-08	3.71E-08
1376	567104.9	4216684.11	1.87E-07	2.02E-07	3.90E-07	1.63E-07	1.79E-07	3.42E-07	1.97E-08	2.90E-08	4.87E-08	1.71E-08	1.79E-08	3.50E-08
1377	567119.2	4216688.6	1.95E-07	2.10E-07	4.05E-07	1.69E-07	1.86E-07	3.55E-07	2.04E-08	3.02E-08	5.06E-08	1.78E-08	1.86E-08	3.64E-08
1378	567133.5	4216693.09	2.03E-07	2.19E-07	4.22E-07	1.76E-07	1.94E-07	3.70E-07	2.13E-08	3.14E-08	5.27E-08	1.85E-08	1.94E-08	3.79E-08
1379	567147.8	4216697.59	2.12E-07	2.28E-07	4.40E-07	1.84E-07	2.02E-07	3.86E-07	2.22E-08	3.27E-08	5.49E-08	1.93E-08	2.02E-08	3.95E-08
1380	567089.85	4216681.86	1.84E-07	1.98E-07	3.82E-07	1.59E-07	1.75E-07	3.35E-07	1.93E-08	2.84E-08	4.77E-08	1.68E-08	1.75E-08	3.43E-08
1381	567104.79	4216674.07	1.74E-07	1.88E-07	3.62E-07	1.51E-07	1.66E-07	3.17E-07	1.82E-08	2.69E-08	4.52E-08	1.59E-08	1.66E-08	3.25E-08
1382	567118.87	4216678.5	1.8E-07	1.95E-07	3.75E-07	1.57E-07	1.72E-07	3.29E-07	1.89E-08	2.79E-08	4.69E-08	1.65E-08	1.72E-08	3.37E-08

1383	567132.95	4216682.92	1.87E-07	2.02E-07	3.90E-07	1.63E-07	1.79E-07	3.42E-07	1.97E-08	2.90E-08	4.87E-08	1.71E-08	1.79E-08	3.50E-08
1384	567147.03	4216687.35	1.95E-07	2.10E-07	4.05E-07	1.69E-07	1.86E-07	3.55E-07	2.04E-08	3.01E-08	5.06E-08	1.78E-08	1.86E-08	3.63E-08
1385	567161.11	4216691.77	2.02E-07	2.18E-07	4.20E-07	1.75E-07	1.93E-07	3.68E-07	2.12E-08	3.13E-08	5.24E-08	1.84E-08	1.92E-08	3.77E-08
1386	567089.85	4216671.86	1.7E-07	1.84E-07	3.54E-07	1.48E-07	1.63E-07	3.11E-07	1.79E-08	2.64E-08	4.43E-08	1.56E-08	1.62E-08	3.18E-08
1387	567105.23	4216664.21	1.62E-07	1.75E-07	3.37E-07	1.41E-07	1.55E-07	2.95E-07	1.70E-08	2.51E-08	4.21E-08	1.48E-08	1.55E-08	3.03E-08
1388	567120.19	4216668.91	1.68E-07	1.82E-07	3.50E-07	1.46E-07	1.61E-07	3.07E-07	1.77E-08	2.61E-08	4.37E-08	1.54E-08	1.60E-08	3.14E-08
1389	567135.15	4216673.61	1.75E-07	1.89E-07	3.64E-07	1.52E-07	1.67E-07	3.19E-07	1.83E-08	2.71E-08	4.54E-08	1.60E-08	1.67E-08	3.26E-08
1390	567150.11	4216678.31	1.82E-07	1.96E-07	3.78E-07	1.58E-07	1.74E-07	3.31E-07	1.91E-08	2.81E-08	4.72E-08	1.66E-08	1.73E-08	3.39E-08
1391	567165.07	4216683.02	1.89E-07	2.03E-07	3.92E-07	1.64E-07	1.80E-07	3.44E-07	1.98E-08	2.92E-08	4.89E-08	1.72E-08	1.80E-08	3.52E-08
1392	567180.03	4216687.72	1.95E-07	2.11E-07	4.06E-07	1.69E-07	1.87E-07	3.56E-07	2.05E-08	3.02E-08	5.07E-08	1.78E-08	1.86E-08	3.65E-08
1393	567089.85	4216661.86	1.59E-07	1.71E-07	3.30E-07	1.38E-07	1.52E-07	2.89E-07	1.66E-08	2.46E-08	4.12E-08	1.45E-08	1.51E-08	2.96E-08
1394	567105.1	4216654.17	1.51E-07	1.63E-07	3.15E-07	1.31E-07	1.44E-07	2.76E-07	1.59E-08	2.34E-08	3.93E-08	1.38E-08	1.44E-08	2.82E-08
1395	567119.81	4216658.79	1.57E-07	1.69E-07	3.26E-07	1.36E-07	1.50E-07	2.86E-07	1.64E-08	2.43E-08	4.07E-08	1.43E-08	1.49E-08	2.93E-08
1396	567134.52	4216663.42	1.62E-07	1.75E-07	3.38E-07	1.41E-07	1.55E-07	2.96E-07	1.70E-08	2.52E-08	4.22E-08	1.48E-08	1.55E-08	3.03E-08
1397	567149.23	4216668.04	1.68E-07	1.82E-07	3.50E-07	1.46E-07	1.61E-07	3.07E-07	1.77E-08	2.61E-08	4.37E-08	1.54E-08	1.61E-08	3.14E-08
1398	567163.94	4216672.66	1.74E-07	1.88E-07	3.63E-07	1.51E-07	1.67E-07	3.18E-07	1.83E-08	2.70E-08	4.53E-08	1.59E-08	1.66E-08	3.26E-08
1399	567178.65	4216677.28	1.8E-07	1.95E-07	3.75E-07	1.57E-07	1.72E-07	3.29E-07	1.89E-08	2.79E-08	4.69E-08	1.65E-08	1.72E-08	3.37E-08
1400	567089.85	4216651.86	1.48E-07	1.60E-07	3.09E-07	1.29E-07	1.42E-07	2.70E-07	1.56E-08	2.30E-08	3.85E-08	1.36E-08	1.41E-08	2.77E-08
1401	567105	4216644.14	1.42E-07	1.53E-07	2.94E-07	1.23E-07	1.35E-07	2.58E-07	1.49E-08	2.19E-08	3.68E-08	1.29E-08	1.35E-08	2.64E-08
1402	567119.49	4216648.69	1.46E-07	1.58E-07	3.04E-07	1.27E-07	1.40E-07	2.67E-07	1.54E-08	2.27E-08	3.80E-08	1.34E-08	1.40E-08	2.73E-08
1403	567133.98	4216653.24	1.51E-07	1.64E-07	3.15E-07	1.31E-07	1.45E-07	2.76E-07	1.59E-08	2.34E-08	3.93E-08	1.38E-08	1.44E-08	2.83E-08
1404	567148.47	4216657.8	1.57E-07	1.69E-07	3.26E-07	1.36E-07	1.50E-07	2.86E-07	1.64E-08	2.43E-08	4.07E-08	1.43E-08	1.49E-08	2.93E-08
1405	567162.96	4216662.35	1.62E-07	1.75E-07	3.37E-07	1.41E-07	1.55E-07	2.95E-07	1.70E-08	2.51E-08	4.21E-08	1.48E-08	1.54E-08	3.03E-08
1406	567177.45	4216666.91	1.67E-07	1.81E-07	3.48E-07	1.45E-07	1.60E-07	3.05E-07	1.76E-08	2.59E-08	4.35E-08	1.53E-08	1.60E-08	3.12E-08
1407	567191.94	4216671.46	1.73E-07	1.86E-07	3.59E-07	1.50E-07	1.65E-07	3.15E-07	1.81E-08	2.67E-08	4.48E-08	1.58E-08	1.65E-08	3.22E-08
1408	567089.85	4216641.86	1.39E-07	1.50E-07	2.89E-07	1.21E-07	1.33E-07	2.54E-07	1.46E-08	2.15E-08	3.61E-08	1.27E-08	1.33E-08	2.60E-08
1409	567104.9	4216634.11	1.33E-07	1.43E-07	2.76E-07	1.15E-07	1.27E-07	2.42E-07	1.39E-08	2.06E-08	3.45E-08	1.21E-08	1.27E-08	2.48E-08
1410	567119.2	4216638.6	1.37E-07	1.48E-07	2.85E-07	1.19E-07	1.31E-07	2.50E-07	1.44E-08	2.12E-08	3.56E-08	1.25E-08	1.31E-08	2.56E-08
1411	567133.5	4216643.09	1.42E-07	1.53E-07	2.95E-07	1.23E-07	1.35E-07	2.58E-07	1.49E-08	2.19E-08	3.68E-08	1.29E-08	1.35E-08	2.64E-08
1412	567147.8	4216647.59	1.46E-07	1.58E-07	3.04E-07	1.27E-07	1.40E-07	2.67E-07	1.54E-08	2.27E-08	3.80E-08	1.34E-08	1.39E-08	2.73E-08
1413	567162.1	4216652.08	1.51E-07	1.63E-07	3.14E-07	1.31E-07	1.44E-07	2.76E-07	1.59E-08	2.34E-08	3.93E-08	1.38E-08	1.44E-08	2.82E-08
1414	567176.4	4216656.58	1.56E-07	1.68E-07	3.24E-07	1.35E-07	1.49E-07	2.84E-07	1.64E-08	2.41E-08	4.05E-08	1.42E-08	1.49E-08	2.91E-08
1415	567190.7	4216661.07	1.61E-07	1.73E-07	3.34E-07	1.39E-07	1.53E-07	2.93E-07	1.68E-08	2.49E-08	4.17E-08	1.47E-08	1.53E-08	3.00E-08
1416	567089.85	4216631.86	1.31E-07	1.41E-07	2.72E-07	1.13E-07	1.25E-07	2.38E-07	1.37E-08	2.02E-08	3.39E-08	1.19E-08	1.25E-08	2.44E-08
1417	567105.26	4216624.22	1.25E-07	1.35E-07	2.60E-07	1.09E-07	1.20E-07	2.28E-07	1.31E-08	1.94E-08	3.25E-08	1.14E-08	1.19E-08	2.34E-08
1418	567120.27	4216628.94	1.29E-07	1.40E-07	2.69E-07	1.12E-07	1.24E-07	2.36E-07	1.36E-08	2.00E-08	3.36E-08	1.18E-08	1.23E-08	2.41E-08
1419	567135.29	4216633.66	1.34E-07	1.44E-07	2.78E-07	1.16E-07	1.28E-07	2.43E-07	1.40E-08	2.07E-08	3.47E-08	1.22E-08	1.27E-08	2.49E-08
1420	567150.3	4216638.38	1.38E-07	1.49E-07	2.87E-07	1.20E-07	1.32E-07	2.52E-07	1.45E-08	2.14E-08	3.58E-08	1.26E-08	1.32E-08	2.58E-08
1421	567165.32	4216643.09	1.43E-07	1.54E-07	2.97E-07	1.24E-07	1.36E-07	2.60E-07	1.50E-08	2.21E-08	3.71E-08	1.30E-08	1.36E-08	2.66E-08
1422	567180.34	4216647.81	1.47E-07	1.59E-07	3.06E-07	1.28E-07	1.41E-07	2.68E-07	1.54E-08	2.28E-08	3.82E-08	1.34E-08	1.40E-08	2.75E-08
1423	567089.85	4216621.86	1.23E-07	1.33E-07	2.56E-07	1.07E-07	1.17E-07	2.24E-07	1.29E-08	1.90E-08	3.19E-08	1.12E-08	1.17E-08	2.30E-08
1424	567105.15	4216614.19	1.18E-07	1.28E-07	2.46E-07	1.03E-07	1.13E-07	2.15E-07	1.24E-08	1.83E-08	3.07E-08	1.08E-08	1.13E-08	2.21E-08
1425	567119.96	4216618.84	1.22E-07	1.32E-07	2.53E-07	1.06E-07	1.16E-07	2.22E-07	1.28E-08	1.89E-08	3.16E-08	1.11E-08	1.16E-08	2.27E-08
1426	567134.76	4216623.49	1.26E-07	1.36E-07	2.61E-07	1.09E-07	1.20E-07	2.29E-07	1.32E-08	1.94E-08	3.26E-08	1.15E-08	1.20E-08	2.35E-08
1427	567149.57	4216628.14	1.3E-07	1.40E-07	2.70E-07	1.12E-07	1.24E-07	2.36E-07	1.36E-08	2.01E-08	3.37E-08	1.18E-08	1.24E-08	2.42E-08
1428	567164.37	4216632.8	1.34E-07	1.44E-07	2.78E-07	1.16E-07	1.28E-07	2.44E-07	1.40E-08	2.07E-08	3.47E-08	1.22E-08	1.28E-08	2.50E-08
1429	567179.18	4216637.45	1.38E-07	1.49E-07	2.87E-07	1.20E-07	1.32E-07	2.51E-07	1.45E-08	2.13E-08	3.58E-08	1.26E-08	1.31E-08	2.57E-08
1430	567208.79	4216646.75	1.46E-07	1.57E-07	3.03E-07	1.26E-07	1.39E-07	2.65E-07	1.53E-08	2.25E-08	3.78E-08	1.33E-08	1.39E-08	2.72E-08
1431	567119.68	4216608.75	1.15E-07	1.24E-07	2.39E-07	9.99E-08	1.10E-07	2.10E-07	1.21E-08	1.78E-08	2.99E-08	1.05E-08	1.10E-08	2.15E-08
1432	567134.3	4216613.34	1.19E-07	1.28E-07	2.46E-07	1.03E-07	1.13E-07	2.16E-07	1.24E-08	1.83E-08	3.08E-08	1.08E-08	1.13E-08	2.21E-08
1433	567148.91	4216617.94	1.22E-07	1.32E-07	2.54E-07	1.06E-07	1.17E-07	2.23E-07	1.28E-08	1.89E-08	3.17E-08	1.12E-08	1.16E-08	2.28E-08
1434	567163.53	4216622.53	1.26E-07	1.36E-07	2.61E-07	1.09E-07	1.20E-07	2.29E-07	1.32E-08	1.95E-08	3.27E-08	1.15E-08	1.20E-08	2.35E-08
1435	567178.15	4216627.13	1.29E-07	1.40E-07	2.69E-07	1.12E-07	1.24E-07	2.36E-07	1.36E-08	2.00E-08	3.36E-08	1.18E-08	1.23E-08	2.42E-08
1436	567207.39	4216636.31	1.36E-07	1.47E-07	2.84E-07	1.18E-07	1.30E-07	2.49E-07	1.43E-08	2.11E-08	3.54E-08	1.25E-08	1.30E-08	2.55E-08
1437	567104.98	4216594.13	1.06E-07	1.14E-07	2.20E-07	9.18E-08	1.01E-07	1.93E-07	1.11E-08	1.64E-08	2.75E-08	9.66E-09	1.01E-08	1.97E-08
1438	567148.33	4216607.75	1.15E-07	1.24E-07	2.40E-07	1.00E-07	1.10E-07	2.10E-07	1.21E-08	1.78E-08	2.99E-08	1.05E-08	1.10E-08	2.15E-08
1439	567162.78	4216612.3	1.19E-07	1.28E-07	2.46E-07	1.03E-07	1.13E-07	2.16E-07	1.24E-08	1.83E-08	3.08E-08	1.08E-08	1.13E-08	2.21E-08
1440	567177.23	4216616.84	1.22E-07	1.31E-07	2.53E-07	1.06E-07	1.16E-07	2.22E-07	1.28E-08	1.89E-08	3.16E-08	1.11E-08	1.16E-08	2.27E-08
1441	567206.13	4216625.92	1.28E-07	1.38E-07	2.66E-07	1.11E-07	1.22E-07	2.33E-07	1.34E-08	1.98E-08	3.33E-08	1.17E-08	1.22E-08	2.39E-08
1442	567220.58	4216630.46	1.31E-07	1.42E-07	2.73E-07	1.14E-07	1.25E-07	2.39E-07	1.38E-08	2.03E-08	3.41E-08	1.20E-08	1.25E-08	2.45E-08
1443	567089.85	4216591.86	1.04E-07	1.12E-07	2.16E-07	9.03E-08	9.94E-08	1.90E-07	1.09E-08	1.61E-08	2.70E-08	9.50E-09	9.92E-09	1.94E-08
1444	567105.28	4216584.23	1E-07	1.08E-07	2.09E-07	8.71E-08	9.59E-08	1.83E-07	1.05E-08	1.55E-08	2.61E-08	9.17E-09	9.57E-09	1.87E-08
1445	567120.33	4216588.96	1.03E-07	1.12E-07	2.15E-07	8.97E-08	9.87E-08	1.88E-07	1.08E-08	1.60E-08	2.68E-08	9.44E-09	9.85E-09	1.93E-08
1446	567165.49	4216603.15	1.13E-07	1.22E-07	2.34E-07	9.77E-08	1.08E-07	2.05E-07	1.18E-08	1.74E-08	2.93E-08	1.03E-08	1.07E-08	2.10E-08
1447	567195.6	4216612.61	1.19E-07	1.28E-07	2.47E-07	1.03E-07	1.13E-07	2.16E-07	1.25E-08	1.84E-08	3.08E-08	1.08E-08	1.13E-08	2.22E-08
1448	567210.65	4216617.34	1.22E-07	1.31E-07	2.53E-07	1.06E-07	1.16E-07	2.22E-07	1.28E-08	1.88E-08	3.16E-08	1.11E-08	1.16E-08	2.27E-08
1449	567225.7	4216622.07	1.25E-07	1.35E-07	2.59E-07	1.08E-07	1.19E-07	2.27E-07	1.31E-08	1.93E-08	3.24E-08	1.14E-08	1.19E-08	2.33E-08
1450	567089.85	4216581.86	9.88E-08	1.07E-07	2.05E-07	8.57E-08	9.44E-08	1.80E-07	1.04E-08	1.53E-08	2.57E-08	9.02E-09	9.42E-09	1.84E-08
1451	567105.19	4216574.2	9.54E-08	1.03E-07	1.98E-07	8.28E-08	9.11E-08	1.74E-07	1.00E-08	1.48E-08	2.48E-08	8.71E-09	9.09E-09	1.78E-08
1452	567120.06	4216578.87	9.81E-08	1.06E-07	2.04E-07	8.51E-08	9.37E-08	1.79E-07	1.03E-08	1.52E-08	2.55E-08	8.96E-09	9.35E-09	1.83E-08
1453	567134.93	4216583.54	1.01E-07	1.09E-07	2.10E-07	8.76E-08	9.65E-08	1.84E-07	1.06E-08	1.56E-08	2.62E-08	9.22E-09	9.62E-09	1.88E-08
1454	567194.42	4216602.24	1.12E-07	1.21E-07	2.33E-07	9.73E-08	1.07E-07	2.04E-07	1.18E-08	1.74E-08	2.91E-08	1.02E-08	1.07E-08	2.09E-08
1455	567209.29	4216606.91	1.15E-07	1.24E-07	2.39E-07	9.96E-08	1.10E-07	2.09E-07	1.20E-08	1.78E-08	2.98E-08	1.05E-08	1.09E-08	2.14E-08
1456	567224.17	4216611.59	1.18E-07	1.27E-07	2.44E-07	1.02E-07	1.12E-07	2.14E-07	1.23E-08	1.82E-08	3.05E-08	1.07E-08	1.12E-08	2.19E-08
1457	567089.85	4216571.86	9.39E-08	1.01E-07	1.95E-07	8.15E-08	8.97E-08	1.71E-07	9.85E-09	1.45E-08	2.44E-08	8.58E-09	8.95E-09	1.75E-08
1458	567105.1	4216564.17	9.08E-08	9.80E-08	1.89E-07	7.88E-08	8.68E-08	1.66E-07	9.53E-09	1.41E-08	2.36E-08	8.30E-09	8.66E-09	1.70E-08
1459	567119.81	4216568.79	9.33E-08	1.01E-07	1.94E-07	8.10E-08	8.91E-08	1.70E-07	9.79E-09	1.44E-08	2.42E-08	8.52E-09	8.89E-09	1.74E-08

1460	567134.52	4216573.42	9.59E-08	1.04E-07	1.99E-07	8.32E-08	9.16E-08	1.75E-07	1.01E-08	1.49E-08	2.49E-08	8.76E-09	9.14E-09	1.79E-08
1461	567149.23	4216578.04	9.86E-08	1.06E-07	2.05E-07	8.55E-08	9.42E-08	1.80E-07	1.03E-08	1.53E-08	2.56E-08	9.01E-09	9.40E-09	1.84E-08
1462	567193.36	4216591.91	1.06E-07	1.15E-07	2.21E-07	9.21E-08	1.01E-07	1.94E-07	1.11E-08	1.64E-08	2.76E-08	9.70E-09	1.01E-08	1.98E-08
1463	567208.07	4216596.53	1.09E-07	1.17E-07	2.26E-07	9.42E-08	1.04E-07	1.98E-07	1.14E-08	1.68E-08	2.82E-08	9.92E-09	1.03E-08	2.03E-08
1464	567222.78	4216601.15	1.11E-07	1.20E-07	2.31E-07	9.63E-08	1.06E-07	2.02E-07	1.16E-08	1.72E-08	2.88E-08	1.01E-08	1.06E-08	2.07E-08
1465	567237.49	4216605.77	1.13E-07	1.22E-07	2.36E-07	9.83E-08	1.08E-07	2.07E-07	1.19E-08	1.75E-08	2.94E-08	1.04E-08	1.08E-08	2.12E-08
1466	567089.85	4216561.86	8.94E-08	9.65E-08	1.86E-07	7.76E-08	8.54E-08	1.63E-07	9.38E-09	1.38E-08	2.32E-08	8.17E-09	8.52E-09	1.67E-08
1467	567105.03	4216554.15	8.66E-08	9.35E-08	1.80E-07	7.51E-08	8.27E-08	1.58E-07	9.08E-09	1.34E-08	2.25E-08	7.91E-09	8.26E-09	1.62E-08
1468	567119.59	4216558.72	8.89E-08	9.60E-08	1.85E-07	7.71E-08	8.49E-08	1.62E-07	9.32E-09	1.38E-08	2.31E-08	8.12E-09	8.47E-09	1.66E-08
1469	567134.15	4216563.3	9.13E-08	9.85E-08	1.90E-07	7.92E-08	8.72E-08	1.66E-07	9.57E-09	1.41E-08	2.37E-08	8.34E-09	8.70E-09	1.70E-08
1470	567148.71	4216567.87	9.37E-08	1.01E-07	1.95E-07	8.13E-08	8.95E-08	1.71E-07	9.83E-09	1.45E-08	2.43E-08	8.56E-09	8.93E-09	1.75E-08
1471	567163.27	4216572.45	9.61E-08	1.04E-07	2.00E-07	8.34E-08	9.18E-08	1.75E-07	1.01E-08	1.49E-08	2.49E-08	8.78E-09	9.16E-09	1.79E-08
1472	567206.95	4216586.18	1.03E-07	1.11E-07	2.14E-07	8.93E-08	9.83E-08	1.88E-07	1.08E-08	1.59E-08	2.67E-08	9.40E-09	9.81E-09	1.92E-08
1473	567221.51	4216590.75	1.05E-07	1.13E-07	2.19E-07	9.12E-08	1.00E-07	1.92E-07	1.10E-08	1.63E-08	2.73E-08	9.60E-09	1.00E-08	1.96E-08
1474	567236.07	4216595.33	1.07E-07	1.16E-07	2.23E-07	9.30E-08	1.02E-07	1.95E-07	1.12E-08	1.66E-08	2.78E-08	9.80E-09	1.02E-08	2.00E-08
1475	567089.85	4216551.86	8.53E-08	9.20E-08	1.77E-07	7.40E-08	8.14E-08	1.55E-07	8.94E-09	1.32E-08	2.21E-08	7.79E-09	8.13E-09	1.59E-08
1476	567104.96	4216544.13	8.27E-08	8.93E-08	1.72E-07	7.17E-08	7.90E-08	1.51E-07	8.67E-09	1.28E-08	2.15E-08	7.55E-09	7.88E-09	1.54E-08
1477	567119.39	4216548.66	8.48E-08	9.16E-08	1.76E-07	7.36E-08	8.10E-08	1.55E-07	8.90E-09	1.31E-08	2.20E-08	7.75E-09	8.09E-09	1.58E-08
1478	567133.81	4216553.19	8.7E-08	9.39E-08	1.81E-07	7.55E-08	8.31E-08	1.59E-07	9.12E-09	1.35E-08	2.26E-08	7.94E-09	8.29E-09	1.62E-08
1479	567148.24	4216557.73	8.92E-08	9.63E-08	1.85E-07	7.74E-08	8.52E-08	1.63E-07	9.35E-09	1.38E-08	2.32E-08	8.15E-09	8.50E-09	1.66E-08
1480	567162.66	4216562.26	9.14E-08	9.86E-08	1.90E-07	7.93E-08	8.73E-08	1.67E-07	9.58E-09	1.41E-08	2.37E-08	8.35E-09	8.71E-09	1.71E-08
1481	567177.09	4216566.79	9.35E-08	1.01E-07	1.95E-07	8.12E-08	8.94E-08	1.71E-07	9.81E-09	1.45E-08	2.43E-08	8.54E-09	8.92E-09	1.75E-08
1482	567205.94	4216575.86	9.77E-08	1.06E-07	2.03E-07	8.48E-08	9.34E-08	1.78E-07	1.03E-08	1.51E-08	2.54E-08	8.93E-09	9.32E-09	1.82E-08
1483	567220.36	4216580.39	9.97E-08	1.08E-07	2.07E-07	8.65E-08	9.52E-08	1.82E-07	1.05E-08	1.54E-08	2.59E-08	9.11E-09	9.50E-09	1.86E-08
1484	567234.79	4216584.92	1.02E-07	1.10E-07	2.11E-07	8.82E-08	9.71E-08	1.85E-07	1.07E-08	1.57E-08	2.64E-08	9.28E-09	9.69E-09	1.90E-08
1485	567249.21	4216589.46	1.04E-07	1.12E-07	2.15E-07	8.99E-08	9.89E-08	1.89E-07	1.09E-08	1.60E-08	2.69E-08	9.46E-09	9.87E-09	1.93E-08
1486	567089.85	4216541.86	8.14E-08	8.79E-08	1.69E-07	7.07E-08	7.78E-08	1.48E-07	8.54E-09	1.26E-08	2.11E-08	7.44E-09	7.76E-09	1.52E-08
1487	567105.21	4216534.2	7.91E-08	8.54E-08	1.64E-07	6.86E-08	7.55E-08	1.44E-07	8.29E-09	1.22E-08	2.05E-08	7.22E-09	7.54E-09	1.48E-08
1488	567120.13	4216538.89	8.11E-08	8.76E-08	1.69E-07	7.04E-08	7.75E-08	1.48E-07	8.51E-09	1.26E-08	2.11E-08	7.41E-09	7.73E-09	1.51E-08
1489	567135.06	4216543.58	8.32E-08	8.98E-08	1.73E-07	7.22E-08	7.95E-08	1.52E-07	8.73E-09	1.29E-08	2.16E-08	7.60E-09	7.93E-09	1.55E-08
1490	567149.98	4216548.27	8.53E-08	9.21E-08	1.77E-07	7.40E-08	8.15E-08	1.56E-07	8.95E-09	1.32E-08	2.22E-08	7.79E-09	8.13E-09	1.59E-08
1491	567164.9	4216552.96	8.74E-08	9.44E-08	1.82E-07	7.58E-08	8.35E-08	1.59E-07	9.17E-09	1.35E-08	2.27E-08	7.99E-09	8.33E-09	1.63E-08
1492	567179.82	4216557.65	8.95E-08	9.66E-08	1.86E-07	7.77E-08	8.55E-08	1.63E-07	9.39E-09	1.39E-08	2.32E-08	8.18E-09	8.53E-09	1.67E-08
1493	567194.74	4216562.34	9.16E-08	9.89E-08	1.91E-07	7.95E-08	8.75E-08	1.67E-07	9.61E-09	1.42E-08	2.38E-08	8.37E-09	8.73E-09	1.71E-08
1494	567209.67	4216567.03	9.36E-08	1.01E-07	1.95E-07	8.12E-08	8.94E-08	1.71E-07	9.82E-09	1.45E-08	2.43E-08	8.55E-09	8.92E-09	1.75E-08
1495	567224.59	4216571.72	9.54E-08	1.03E-07	1.98E-07	8.28E-08	9.12E-08	1.74E-07	1.00E-08	1.48E-08	2.48E-08	8.72E-09	9.10E-09	1.78E-08
1496	567239.51	4216576.41	9.73E-08	1.05E-07	2.02E-07	8.44E-08	9.29E-08	1.77E-07	1.02E-08	1.51E-08	2.53E-08	8.88E-09	9.27E-09	1.82E-08
1497	567254.43	4216581.1	9.91E-08	1.07E-07	2.06E-07	8.60E-08	9.47E-08	1.81E-07	1.04E-08	1.53E-08	2.57E-08	9.05E-09	9.45E-09	1.85E-08
1498	567089.85	4216531.86	7.79E-08	8.41E-08	1.62E-07	6.76E-08	7.44E-08	1.42E-07	8.17E-09	1.21E-08	2.02E-08	7.12E-09	7.42E-09	1.45E-08
1499	567105.14	4216524.18	7.57E-08	8.17E-08	1.57E-07	6.57E-08	7.23E-08	1.38E-07	7.94E-09	1.17E-08	1.97E-08	6.91E-09	7.21E-09	1.41E-08
1500	567119.92	4216528.83	7.76E-08	8.38E-08	1.61E-07	6.73E-08	7.41E-08	1.41E-07	8.14E-09	1.20E-08	2.01E-08	7.09E-09	7.40E-09	1.45E-08
1501	567134.69	4216533.47	7.95E-08	8.59E-08	1.65E-07	6.90E-08	7.60E-08	1.45E-07	8.34E-09	1.23E-08	2.07E-08	7.27E-09	7.58E-09	1.48E-08
1502	567149.47	4216538.11	8.15E-08	8.80E-08	1.69E-07	7.07E-08	7.78E-08	1.49E-07	8.55E-09	1.26E-08	2.12E-08	7.44E-09	7.77E-09	1.52E-08
1503	567164.25	4216542.76	8.34E-08	9.00E-08	1.73E-07	7.24E-08	7.97E-08	1.52E-07	8.75E-09	1.29E-08	2.17E-08	7.62E-09	7.95E-09	1.56E-08
1504	567179.02	4216547.4	8.53E-08	9.21E-08	1.77E-07	7.40E-08	8.15E-08	1.56E-07	8.95E-09	1.32E-08	2.22E-08	7.79E-09	8.13E-09	1.59E-08
1505	567193.8	4216552.04	8.73E-08	9.42E-08	1.82E-07	7.57E-08	8.34E-08	1.59E-07	9.16E-09	1.35E-08	2.27E-08	7.97E-09	8.32E-09	1.63E-08
1506	567208.58	4216556.69	8.91E-08	9.62E-08	1.85E-07	7.73E-08	8.52E-08	1.63E-07	9.35E-09	1.38E-08	2.31E-08	8.14E-09	8.50E-09	1.66E-08
1507	567223.36	4216561.33	9.09E-08	9.81E-08	1.89E-07	7.88E-08	8.68E-08	1.66E-07	9.53E-09	1.41E-08	2.36E-08	8.30E-09	8.66E-09	1.70E-08
1508	567238.13	4216565.98	9.25E-08	9.99E-08	1.92E-07	8.03E-08	8.84E-08	1.69E-07	9.71E-09	1.43E-08	2.40E-08	8.45E-09	8.82E-09	1.73E-08
1509	567252.91	4216570.62	9.42E-08	1.02E-07	1.96E-07	8.17E-08	9.00E-08	1.72E-07	9.88E-09	1.46E-08	2.45E-08	8.61E-09	8.98E-09	1.76E-08
1510	567089.85	4216521.86	7.46E-08	8.05E-08	1.55E-07	6.47E-08	7.13E-08	1.36E-07	7.83E-09	1.15E-08	1.94E-08	6.82E-09	7.11E-09	1.39E-08
1511	567073.65	4216820.13	1.08E-06	1.17E-06	2.25E-06	9.39E-07	1.03E-06	1.97E-06	1.14E-07	1.68E-07	2.81E-07	9.89E-08	1.03E-07	2.02E-07
1512	567067.94	4216828.01	1.29E-06	1.40E-06	2.69E-06	1.12E-06	1.24E-06	2.36E-06	1.36E-07	2.00E-07	3.36E-07	1.18E-07	1.23E-07	2.42E-07
1513	567062.23	4216835.9	1.53E-06	1.65E-06	3.18E-06	1.33E-06	1.46E-06	2.79E-06	1.61E-07	2.37E-07	3.98E-07	1.40E-07	1.46E-07	2.86E-07
1514	567056.52	4216843.78	1.77E-06	1.91E-06	3.68E-06	1.53E-06	1.69E-06	3.22E-06	1.85E-07	2.74E-07	4.59E-07	1.62E-07	1.69E-07	3.30E-07
1515	567050.8	4216851.67	1.98E-06	2.14E-06	4.12E-06	1.72E-06	1.89E-06	3.61E-06	2.08E-07	3.06E-07	5.14E-07	1.81E-07	1.89E-07	3.69E-07
1516	567045.09	4216859.55	2.16E-06	2.33E-06	4.49E-06	1.87E-06	2.06E-06	3.93E-06	2.26E-07	3.34E-07	5.61E-07	1.97E-07	2.06E-07	4.03E-07
1517	567039.38	4216867.44	2.31E-06	2.50E-06	4.81E-06	2.01E-06	2.21E-06	4.21E-06	2.42E-07	3.58E-07	6.00E-07	2.11E-07	2.20E-07	4.32E-07
1518	567033.67	4216875.32	2.44E-06	2.63E-06	5.07E-06	2.12E-06	2.33E-06	4.45E-06	2.56E-07	3.78E-07	6.33E-07	2.23E-07	2.32E-07	4.55E-07
1519	567027.96	4216883.21	2.55E-06	2.76E-06	5.31E-06	2.22E-06	2.44E-06	4.66E-06	2.68E-07	3.95E-07	6.63E-07	2.33E-07	2.43E-07	4.77E-07
1520	567022.24	4216891.09	2.65E-06	2.86E-06	5.52E-06	2.30E-06	2.53E-06	4.84E-06	2.78E-07	4.11E-07	6.89E-07	2.42E-07	2.53E-07	4.95E-07
1521	567016.53	4216898.98	2.73E-06	2.95E-06	5.68E-06	2.37E-06	2.61E-06	4.98E-06	2.86E-07	4.23E-07	7.09E-07	2.49E-07	2.60E-07	5.10E-07
1522	567010.82	4216906.86	2.78E-06	3.00E-06	5.78E-06	2.41E-06	2.66E-06	5.07E-06	2.92E-07	4.30E-07	7.22E-07	2.54E-07	2.65E-07	5.19E-07
1523	567005.11	4216914.75	2.8E-06	3.02E-06	5.82E-06	2.43E-06	2.67E-06	5.10E-06	2.94E-07	4.33E-07	7.27E-07	2.56E-07	2.67E-07	5.23E-07
1524	566999.39	4216922.63	2.79E-06	3.02E-06	5.81E-06	2.42E-06	2.67E-06	5.09E-06	2.93E-07	4.32E-07	7.26E-07	2.55E-07	2.66E-07	5.22E-07
1525	566993.68	4216930.52	2.76E-06	2.98E-06	5.74E-06	2.40E-06	2.64E-06	5.04E-06	2.90E-07	4.28E-07	7.17E-07	2.52E-07	2.63E-07	5.16E-07
1526	566987.97	4216938.4	2.71E-06	2.92E-06	5.63E-06	2.35E-06	2.59E-06	4.94E-06	2.84E-07	4.19E-07	7.03E-07	2.47E-07	2.58E-07	5.05E-07
1527	566982.26	4216946.29	2.61E-06	2.82E-06	5.43E-06	2.27E-06	2.49E-06	4.76E-06	2.74E-07	4.04E-07	6.78E-07	2.39E-07	2.49E-07	4.87E-07
1528	566976.55	4216954.17	2.47E-06	2.66E-06	5.13E-06	2.14E-06	2.35E-06	4.49E-06	2.59E-07	3.82E-07	6.40E-07	2.25E-07	2.35E-07	4.60E-07
1529	566970.83	4216962.06	2.27E-06	2.45E-06	4.72E-06	1.97E-06	2.17E-06	4.14E-06	2.38E-07	3.52E-07	5.90E-07	2.08E-07	2.17E-07	4.24E-07
1530	567070.88	4216809.7	8.51E-07	9.19E-07	1.77E-06	7.38E-07	8.13E-07	1.55E-06	8.93E-08	1.32E-07	2.21E-07	7.77E-08	8.11E-08	1.59E-07
1531	567059.84	4216822.14	1.08E-06	1.17E-06	2.25E-06	9.38E-07	1.03E-06	1.97E-06	1.13E-07	1.67E-07	2.81E-07	9.87E-08	1.03E-07	2.02E-07
1532	567054.13	4216830.03	1.25E-06	1.35E-06	2.60E-06	1.09E-06	1.20E-06	2.28E-06	1.31E-07	1.94E-07	3.25E-07	1.14E-07	1.19E-07	2.34E-07
1533	567048.42	4216837.91	1.43E-06	1.54E-06	2.97E-06	1.24E-06	1.36E-06	2.60E-06	1.50E-07	2.21E-07	3.71E-07	1.30E-07	1.36E-07	2.66E-07
1534	567042.71	4216845.8	1.59E-06	1.72E-06	3.32E-06	1.38E-06	1.52E-06	2.91E-06	1.67E-07	2.47E-07	4.14E-07	1.46E-07	1.52E-07	2.98E-07
1535	567036.99	4216853.68	1.74E-06	1.88E-06	3.62E-06	1.51E-06	1.66E-06	3.17E-06	1.83E-07	2.70E-07	4.52E-07	1.59E-07	1.66E-07	3.25E-07
1536	567031.28	4216861.57	1.87E-06	2.02E-06	3.89E-06	1.62E-06	1.79E-06	3.41E-06	1.96E-07	2.90E-07	4.86E-07	1.71E-07	1.78E-07	3.50E-07

1537	567025.57	4216869.45	1.99E-06	2.14E-06	4.13E-06	1.72E-06	1.90E-06	3.62E-06	2.08E-07	3.07E-07	5.15E-07	1.81E-07	1.89E-07	3.71E-07
1538	567019.86	4216877.34	2.09E-06	2.25E-06	4.34E-06	1.81E-06	1.99E-06	3.80E-06	2.19E-07	3.23E-07	5.42E-07	1.91E-07	1.99E-07	3.89E-07
1539	567014.15	4216885.22	2.18E-06	2.35E-06	4.52E-06	1.89E-06	2.08E-06	3.97E-06	2.28E-07	3.37E-07	5.65E-07	1.99E-07	2.07E-07	4.06E-07
1540	567008.43	4216893.11	2.25E-06	2.42E-06	4.67E-06	1.95E-06	2.15E-06	4.09E-06	2.36E-07	3.48E-07	5.83E-07	2.05E-07	2.14E-07	4.19E-07
1541	567002.72	4216900.99	2.29E-06	2.48E-06	4.77E-06	1.99E-06	2.19E-06	4.18E-06	2.41E-07	3.55E-07	5.96E-07	2.10E-07	2.19E-07	4.28E-07
1542	566997.01	4216908.88	2.32E-06	2.50E-06	4.82E-06	2.01E-06	2.22E-06	4.23E-06	2.43E-07	3.59E-07	6.03E-07	2.12E-07	2.21E-07	4.33E-07
1543	566991.3	4216916.76	2.33E-06	2.51E-06	4.84E-06	2.02E-06	2.22E-06	4.24E-06	2.44E-07	3.60E-07	6.04E-07	2.13E-07	2.22E-07	4.34E-07
1544	566985.58	4216924.65	2.32E-06	2.50E-06	4.82E-06	2.01E-06	2.21E-06	4.22E-06	2.43E-07	3.59E-07	6.02E-07	2.12E-07	2.21E-07	4.32E-07
1545	566979.87	4216932.53	2.28E-06	2.46E-06	4.74E-06	1.98E-06	2.18E-06	4.16E-06	2.39E-07	3.53E-07	5.92E-07	2.08E-07	2.17E-07	4.25E-07
1546	566974.16	4216940.42	2.21E-06	2.39E-06	4.60E-06	1.92E-06	2.11E-06	4.03E-06	2.32E-07	3.42E-07	5.74E-07	2.02E-07	2.11E-07	4.13E-07
1547	566968.45	4216948.3	2.11E-06	2.28E-06	4.39E-06	1.83E-06	2.02E-06	3.85E-06	2.22E-07	3.27E-07	5.49E-07	1.93E-07	2.01E-07	3.94E-07
1548	566962.74	4216956.19	1.98E-06	2.14E-06	4.12E-06	1.72E-06	1.89E-06	3.61E-06	2.08E-07	3.07E-07	5.15E-07	1.81E-07	1.89E-07	3.70E-07
1549	567064.56	4216802.31	7.31E-07	7.89E-07	1.52E-06	6.34E-07	6.98E-07	1.33E-06	7.67E-08	1.13E-07	1.90E-07	6.68E-08	6.97E-08	1.36E-07
1550	567057.46	4216808.39	8.09E-07	8.73E-07	1.68E-06	7.02E-07	7.73E-07	1.47E-06	8.48E-08	1.25E-07	2.10E-07	7.39E-08	7.71E-08	1.51E-07
1551	567051.74	4216816.28	9.26E-07	9.99E-07	1.92E-06	8.03E-07	8.84E-07	1.69E-06	9.71E-08	1.43E-07	2.40E-07	8.46E-08	8.82E-08	1.73E-07
1552	567046.03	4216824.16	1.06E-06	1.14E-06	2.20E-06	9.16E-07	1.01E-06	1.92E-06	1.11E-07	1.63E-07	2.74E-07	9.65E-08	1.01E-07	1.97E-07
1553	567040.32	4216832.05	1.19E-06	1.29E-06	2.48E-06	1.03E-06	1.14E-06	2.17E-06	1.25E-07	1.84E-07	3.09E-07	1.09E-07	1.13E-07	2.22E-07
1554	567034.61	4216839.93	1.32E-06	1.43E-06	2.75E-06	1.15E-06	1.26E-06	2.41E-06	1.39E-07	2.05E-07	3.43E-07	1.21E-07	1.26E-07	2.47E-07
1555	567028.9	4216847.82	1.44E-06	1.56E-06	3.00E-06	1.25E-06	1.38E-06	2.63E-06	1.52E-07	2.24E-07	3.75E-07	1.32E-07	1.38E-07	2.70E-07
1556	567023.18	4216855.7	1.56E-06	1.68E-06	3.24E-06	1.35E-06	1.49E-06	2.84E-06	1.63E-07	2.41E-07	4.04E-07	1.42E-07	1.48E-07	2.90E-07
1557	567017.47	4216863.59	1.66E-06	1.79E-06	3.45E-06	1.44E-06	1.58E-06	3.02E-06	1.74E-07	2.57E-07	4.31E-07	1.52E-07	1.58E-07	3.10E-07
1558	567011.76	4216871.47	1.75E-06	1.89E-06	3.64E-06	1.52E-06	1.67E-06	3.19E-06	1.83E-07	2.71E-07	4.54E-07	1.60E-07	1.67E-07	3.26E-07
1559	567006.05	4216879.36	1.83E-06	1.97E-06	3.80E-06	1.58E-06	1.74E-06	3.33E-06	1.92E-07	2.83E-07	4.74E-07	1.67E-07	1.74E-07	3.41E-07
1560	567000.33	4216887.24	1.89E-06	2.04E-06	3.93E-06	1.64E-06	1.80E-06	3.44E-06	1.98E-07	2.92E-07	4.90E-07	1.73E-07	1.80E-07	3.53E-07
1561	566994.62	4216895.13	1.93E-06	2.09E-06	4.02E-06	1.68E-06	1.85E-06	3.53E-06	2.03E-07	2.99E-07	5.02E-07	1.77E-07	1.84E-07	3.61E-07
1562	566988.91	4216903.01	1.97E-06	2.12E-06	4.09E-06	1.71E-06	1.88E-06	3.58E-06	2.06E-07	3.04E-07	5.11E-07	1.80E-07	1.87E-07	3.67E-07
1563	566983.2	4216910.9	1.98E-06	2.14E-06	4.12E-06	1.72E-06	1.89E-06	3.61E-06	2.08E-07	3.07E-07	5.15E-07	1.81E-07	1.89E-07	3.70E-07
1564	566977.49	4216918.78	1.98E-06	2.14E-06	4.11E-06	1.72E-06	1.89E-06	3.61E-06	2.08E-07	3.06E-07	5.14E-07	1.81E-07	1.89E-07	3.69E-07
1565	566971.77	4216926.67	1.95E-06	2.11E-06	4.06E-06	1.70E-06	1.87E-06	3.56E-06	2.05E-07	3.03E-07	5.08E-07	1.79E-07	1.86E-07	3.65E-07
1566	566966.06	4216934.55	1.91E-06	2.06E-06	3.97E-06	1.66E-06	1.82E-06	3.48E-06	2.00E-07	2.95E-07	4.95E-07	1.74E-07	1.82E-07	3.56E-07
1567	566960.35	4216942.44	1.84E-06	1.98E-06	3.82E-06	1.60E-06	1.76E-06	3.35E-06	1.93E-07	2.85E-07	4.77E-07	1.68E-07	1.75E-07	3.43E-07
1568	566954.64	4216950.32	1.75E-06	1.89E-06	3.63E-06	1.52E-06	1.67E-06	3.18E-06	1.83E-07	2.70E-07	4.54E-07	1.60E-07	1.67E-07	3.26E-07
1569	567055.28	4216797.46	6.64E-07	7.17E-07	1.38E-06	5.76E-07	6.34E-07	1.21E-06	6.96E-08	1.03E-07	1.72E-07	6.07E-08	6.33E-08	1.24E-07
1570	567074.7	4216785.5	5.54E-07	5.98E-07	1.15E-06	4.80E-07	5.29E-07	1.01E-06	5.81E-08	8.57E-08	1.44E-07	5.06E-08	5.28E-08	1.03E-07
1571	567043.65	4216810.41	8.09E-07	8.73E-07	1.68E-06	7.02E-07	7.73E-07	1.47E-06	8.49E-08	1.25E-07	2.10E-07	7.39E-08	7.71E-08	1.51E-07
1572	567037.93	4216818.3	9.11E-07	9.84E-07	1.89E-06	7.91E-07	8.70E-07	1.66E-06	9.56E-08	1.41E-07	2.37E-07	8.32E-08	8.68E-08	1.70E-07
1573	567032.22	4216826.18	1.02E-06	1.10E-06	2.12E-06	8.83E-07	9.72E-07	1.85E-06	1.07E-07	1.58E-07	2.64E-07	9.30E-08	9.70E-08	1.90E-07
1574	567026.51	4216834.07	1.12E-06	1.21E-06	2.34E-06	9.75E-07	1.07E-06	2.05E-06	1.18E-07	1.74E-07	2.92E-07	1.03E-07	1.07E-07	2.10E-07
1575	567020.8	4216841.95	1.23E-06	1.32E-06	2.55E-06	1.06E-06	1.17E-06	2.23E-06	1.29E-07	1.90E-07	3.18E-07	1.12E-07	1.17E-07	2.29E-07
1576	567015.09	4216849.84	1.32E-06	1.43E-06	2.75E-06	1.15E-06	1.26E-06	2.41E-06	1.39E-07	2.05E-07	3.44E-07	1.21E-07	1.26E-07	2.47E-07
1577	567009.37	4216857.72	1.41E-06	1.52E-06	2.94E-06	1.22E-06	1.35E-06	2.57E-06	1.48E-07	2.19E-07	3.67E-07	1.29E-07	1.35E-07	2.64E-07
1578	567003.66	4216865.61	1.49E-06	1.61E-06	3.10E-06	1.29E-06	1.42E-06	2.72E-06	1.56E-07	2.31E-07	3.87E-07	1.36E-07	1.42E-07	2.78E-07
1579	566997.95	4216873.49	1.56E-06	1.68E-06	3.24E-06	1.35E-06	1.49E-06	2.84E-06	1.64E-07	2.41E-07	4.05E-07	1.42E-07	1.49E-07	2.91E-07
1580	566992.24	4216881.38	1.62E-06	1.74E-06	3.36E-06	1.40E-06	1.54E-06	2.95E-06	1.70E-07	2.50E-07	4.20E-07	1.48E-07	1.54E-07	3.02E-07
1581	566986.52	4216889.26	1.66E-06	1.79E-06	3.45E-06	1.44E-06	1.59E-06	3.03E-06	1.74E-07	2.57E-07	4.31E-07	1.52E-07	1.58E-07	3.10E-07
1582	566980.81	4216897.15	1.69E-06	1.83E-06	3.52E-06	1.47E-06	1.62E-06	3.09E-06	1.78E-07	2.62E-07	4.40E-07	1.55E-07	1.61E-07	3.16E-07
1583	566975.1	4216905.03	1.71E-06	1.85E-06	3.56E-06	1.48E-06	1.63E-06	3.12E-06	1.79E-07	2.65E-07	4.44E-07	1.56E-07	1.63E-07	3.19E-07
1584	566969.39	4216912.92	1.71E-06	1.85E-06	3.56E-06	1.49E-06	1.64E-06	3.12E-06	1.80E-07	2.65E-07	4.45E-07	1.56E-07	1.63E-07	3.20E-07
1585	566963.68	4216920.8	1.7E-06	1.83E-06	3.53E-06	1.47E-06	1.62E-06	3.10E-06	1.78E-07	2.63E-07	4.41E-07	1.55E-07	1.62E-07	3.17E-07
1586	566957.96	4216928.69	1.67E-06	1.80E-06	3.47E-06	1.45E-06	1.59E-06	3.04E-06	1.75E-07	2.58E-07	4.33E-07	1.52E-07	1.59E-07	3.11E-07
1587	566952.25	4216936.57	1.62E-06	1.75E-06	3.36E-06	1.40E-06	1.55E-06	2.95E-06	1.70E-07	2.50E-07	4.20E-07	1.48E-07	1.54E-07	3.02E-07
1588	566946.54	4216944.46	1.55E-06	1.68E-06	3.23E-06	1.35E-06	1.48E-06	2.83E-06	1.63E-07	2.40E-07	4.03E-07	1.42E-07	1.48E-07	2.90E-07
1589	567048.36	4216790.58	5.89E-07	6.36E-07	1.23E-06	5.11E-07	5.63E-07	1.07E-06	6.18E-08	9.12E-08	1.53E-07	5.38E-08	5.62E-08	1.10E-07
1590	567055.47	4216784.5	5.41E-07	5.84E-07	1.13E-06	4.70E-07	5.17E-07	9.86E-07	5.68E-08	8.38E-08	1.41E-07	4.94E-08	5.16E-08	1.01E-07
1591	567071.67	4216776.23	4.82E-07	5.20E-07	1.00E-06	4.18E-07	4.60E-07	8.78E-07	5.05E-08	7.46E-08	1.25E-07	4.40E-08	4.59E-08	8.99E-08
1592	567041.26	4216796.66	6.4E-07	6.91E-07	1.33E-06	5.55E-07	6.11E-07	1.17E-06	6.71E-08	9.91E-08	1.66E-07	5.85E-08	6.10E-08	1.19E-07
1593	567035.55	4216804.54	7.16E-07	7.73E-07	1.49E-06	6.21E-07	6.84E-07	1.31E-06	7.51E-08	1.11E-07	1.86E-07	6.54E-08	6.83E-08	1.34E-07
1594	567029.84	4216812.43	7.99E-07	8.63E-07	1.66E-06	6.94E-07	7.64E-07	1.46E-06	8.38E-08	1.24E-07	2.08E-07	7.30E-08	7.62E-08	1.49E-07
1595	567024.12	4216820.31	8.86E-07	9.57E-07	1.84E-06	7.69E-07	8.47E-07	1.62E-06	9.30E-08	1.37E-07	2.30E-07	8.10E-08	8.45E-08	1.65E-07
1596	567018.41	4216828.2	9.73E-07	1.05E-06	2.02E-06	8.44E-07	9.29E-07	1.77E-06	1.02E-07	1.51E-07	2.53E-07	8.89E-08	9.27E-08	1.82E-07
1597	567012.7	4216836.08	1.06E-06	1.14E-06	2.20E-06	9.19E-07	1.01E-06	1.93E-06	1.11E-07	1.64E-07	2.75E-07	9.67E-08	1.01E-07	1.98E-07
1598	567006.99	4216843.97	1.14E-06	1.23E-06	2.37E-06	9.91E-07	1.09E-06	2.08E-06	1.20E-07	1.77E-07	2.97E-07	1.04E-07	1.09E-07	2.13E-07
1599	567001.27	4216851.85	1.22E-06	1.32E-06	2.53E-06	1.06E-06	1.16E-06	2.22E-06	1.28E-07	1.89E-07	3.17E-07	1.11E-07	1.16E-07	2.28E-07
1600	566995.56	4216859.74	1.29E-06	1.39E-06	2.68E-06	1.12E-06	1.23E-06	2.35E-06	1.35E-07	1.99E-07	3.35E-07	1.18E-07	1.23E-07	2.41E-07
1601	566989.85	4216867.62	1.35E-06	1.46E-06	2.81E-06	1.17E-06	1.29E-06	2.46E-06	1.42E-07	2.09E-07	3.50E-07	1.23E-07	1.29E-07	2.52E-07
1602	566984.14	4216875.51	1.4E-06	1.51E-06	2.91E-06	1.22E-06	1.34E-06	2.55E-06	1.47E-07	2.17E-07	3.64E-07	1.28E-07	1.34E-07	2.62E-07
1603	566978.43	4216883.39	1.44E-06	1.56E-06	3.00E-06	1.25E-06	1.38E-06	2.63E-06	1.51E-07	2.23E-07	3.75E-07	1.32E-07	1.38E-07	2.69E-07
1604	566972.71	4216891.28	1.47E-06	1.59E-06	3.06E-06	1.28E-06	1.41E-06	2.69E-06	1.55E-07	2.28E-07	3.83E-07	1.35E-07	1.40E-07	2.75E-07
1605	566967	4216899.16	1.49E-06	1.61E-06	3.10E-06	1.30E-06	1.43E-06	2.72E-06	1.57E-07	2.31E-07	3.88E-07	1.36E-07	1.42E-07	2.79E-07
1606	566961.29	4216907.05	1.5E-06	1.62E-06	3.12E-06	1.30E-06	1.43E-06	2.73E-06	1.57E-07	2.32E-07	3.89E-07	1.37E-07	1.43E-07	2.80E-07
1607	566955.58	4216914.93	1.49E-06	1.61E-06	3.10E-06	1.29E-06	1.43E-06	2.72E-06	1.57E-07	2.31E-07	3.88E-07	1.36E-07	1.42E-07	2.79E-07
1608	566949.86	4216922.82	1.47E-06	1.59E-06	3.06E-06	1.28E-06	1.41E-06	2.68E-06	1.54E-07	2.28E-07	3.82E-07	1.34E-07	1.40E-07	2.75E-07
1609	566944.15	4216930.7	1.44E-06	1.55E-06	2.99E-06	1.25E-06	1.37E-06	2.62E-06	1.51E-07	2.22E-07	3.73E-07	1.31E-07	1.37E-07	2.68E-07
1610	566938.44	4216938.59	1.39E-06	1.50E-06	2.89E-06	1.21E-06	1.33E-06	2.53E-06	1.46E-07	2.15E-07	3.61E-07	1.27E-07	1.32E-07	2.59E-07
1611	567039.38	4216785.47	5.4E-07	5.82E-07	1.12E-06	4.68E-07	5.15E-07	9.84E-07	5.66E-08	8.35E-08	1.40E-07	4.93E-08	5.14E-08	1.01E-07
1612	567051.81	4216774.83	4.7E-07	5.07E-07	9.76E-07	4.07E-07	4.49E-07	8.56E-07	4.93E-08	7.27E-08	1.22E-07	4.29E-08	4.48E-08	8.76E-08
1613	567065.98	4216767.6	4.28E-07	4.62E-07	8.89E-07	3.71E-07	4.08E-07	7.79E-07	4.49E-08	6.62E-08	1.11E-07	3.91E-08	4.08E-08	7.98E-08

1614	567027.45	4216798.68	6.41E-07	6.91E-07	1.33E-06	5.56E-07	6.12E-07	1.17E-06	6.72E-08	9.92E-08	1.66E-07	5.85E-08	6.11E-08	1.20E-07
1615	567021.74	4216806.56	7.09E-07	7.66E-07	1.48E-06	6.15E-07	6.78E-07	1.29E-06	7.44E-08	1.10E-07	1.84E-07	6.48E-08	6.76E-08	1.32E-07
1616	567016.03	4216814.45	7.81E-07	8.43E-07	1.62E-06	6.78E-07	7.46E-07	1.42E-06	8.19E-08	1.21E-07	2.03E-07	7.14E-08	7.45E-08	1.46E-07
1617	567010.31	4216822.33	8.54E-07	9.22E-07	1.78E-06	7.41E-07	8.15E-07	1.56E-06	8.95E-08	1.32E-07	2.22E-07	7.80E-08	8.14E-08	1.59E-07
1618	567004.6	4216830.22	9.26E-07	1.00E-06	1.93E-06	8.04E-07	8.85E-07	1.69E-06	9.71E-08	1.43E-07	2.41E-07	8.46E-08	8.83E-08	1.73E-07
1619	566998.89	4216838.1	9.97E-07	1.08E-06	2.07E-06	8.65E-07	9.53E-07	1.82E-06	1.05E-07	1.54E-07	2.59E-07	9.11E-08	9.51E-08	1.86E-07
1620	566993.18	4216845.99	1.07E-06	1.15E-06	2.22E-06	9.25E-07	1.02E-06	1.94E-06	1.12E-07	1.65E-07	2.77E-07	9.73E-08	1.02E-07	1.99E-07
1621	566987.46	4216853.87	1.13E-06	1.22E-06	2.34E-06	9.77E-07	1.08E-06	2.05E-06	1.18E-07	1.74E-07	2.92E-07	1.03E-07	1.07E-07	2.10E-07
1622	566981.75	4216861.76	1.18E-06	1.27E-06	2.45E-06	1.02E-06	1.13E-06	2.15E-06	1.24E-07	1.83E-07	3.07E-07	1.08E-07	1.13E-07	2.20E-07
1623	566976.04	4216869.64	1.23E-06	1.32E-06	2.55E-06	1.06E-06	1.17E-06	2.24E-06	1.29E-07	1.90E-07	3.19E-07	1.12E-07	1.17E-07	2.29E-07
1624	566970.33	4216877.53	1.27E-06	1.37E-06	2.63E-06	1.10E-06	1.21E-06	2.31E-06	1.33E-07	1.96E-07	3.29E-07	1.16E-07	1.21E-07	2.36E-07
1625	566964.62	4216885.41	1.3E-06	1.40E-06	2.69E-06	1.12E-06	1.24E-06	2.36E-06	1.36E-07	2.00E-07	3.36E-07	1.18E-07	1.23E-07	2.42E-07
1626	566958.9	4216893.3	1.31E-06	1.42E-06	2.73E-06	1.14E-06	1.26E-06	2.40E-06	1.38E-07	2.04E-07	3.41E-07	1.20E-07	1.25E-07	2.45E-07
1627	566953.19	4216901.18	1.32E-06	1.43E-06	2.75E-06	1.15E-06	1.26E-06	2.41E-06	1.39E-07	2.05E-07	3.44E-07	1.21E-07	1.26E-07	2.47E-07
1628	566947.48	4216909.07	1.32E-06	1.43E-06	2.75E-06	1.15E-06	1.26E-06	2.41E-06	1.39E-07	2.05E-07	3.43E-07	1.21E-07	1.26E-07	2.47E-07
1629	566941.77	4216916.95	1.31E-06	1.41E-06	2.72E-06	1.14E-06	1.25E-06	2.39E-06	1.37E-07	2.03E-07	3.40E-07	1.20E-07	1.25E-07	2.44E-07
1630	566936.05	4216924.84	1.28E-06	1.39E-06	2.67E-06	1.11E-06	1.23E-06	2.34E-06	1.35E-07	1.99E-07	3.34E-07	1.17E-07	1.22E-07	2.40E-07
1631	566930.34	4216932.72	1.25E-06	1.35E-06	2.60E-06	1.08E-06	1.19E-06	2.28E-06	1.31E-07	1.93E-07	3.25E-07	1.14E-07	1.19E-07	2.33E-07
1632	567032.17	4216778.85	4.88E-07	5.26E-07	1.01E-06	4.23E-07	4.66E-07	8.89E-07	5.11E-08	7.55E-08	1.27E-07	4.45E-08	4.65E-08	9.10E-08
1633	567039.27	4216772.77	4.53E-07	4.89E-07	9.41E-07	3.93E-07	4.32E-07	8.25E-07	4.75E-08	7.01E-08	1.18E-07	4.14E-08	4.32E-08	8.45E-08
1634	567046.38	4216766.68	4.2E-07	4.54E-07	8.74E-07	3.65E-07	4.01E-07	7.66E-07	4.41E-08	6.50E-08	1.09E-07	3.84E-08	4.00E-08	7.84E-08
1635	567062.57	4216758.42	3.8E-07	4.11E-07	7.91E-07	3.30E-07	3.63E-07	6.93E-07	3.99E-08	5.89E-08	9.88E-08	3.48E-08	3.63E-08	7.10E-08
1636	567025.06	4216784.93	5.24E-07	5.66E-07	1.09E-06	4.55E-07	5.01E-07	9.55E-07	5.50E-08	8.11E-08	1.36E-07	4.79E-08	4.99E-08	9.78E-08
1637	567019.35	4216792.81	5.78E-07	6.24E-07	1.20E-06	5.02E-07	5.52E-07	1.05E-06	6.06E-08	8.95E-08	1.50E-07	5.28E-08	5.51E-08	1.08E-07
1638	567013.64	4216800.7	6.36E-07	6.86E-07	1.32E-06	5.52E-07	6.07E-07	1.16E-06	6.67E-08	9.84E-08	1.65E-07	5.81E-08	6.06E-08	1.19E-07
1639	567007.93	4216808.58	6.96E-07	7.51E-07	1.45E-06	6.04E-07	6.65E-07	1.27E-06	7.30E-08	1.08E-07	1.81E-07	6.36E-08	6.63E-08	1.30E-07
1640	567002.22	4216816.47	7.57E-07	8.17E-07	1.57E-06	6.57E-07	7.23E-07	1.38E-06	7.94E-08	1.17E-07	1.97E-07	6.92E-08	7.22E-08	1.41E-07
1641	566996.5	4216824.35	8.19E-07	8.84E-07	1.70E-06	7.10E-07	7.82E-07	1.49E-06	8.59E-08	1.27E-07	2.13E-07	7.48E-08	7.80E-08	1.53E-07
1642	566990.79	4216832.24	8.8E-07	9.50E-07	1.83E-06	7.64E-07	8.41E-07	1.60E-06	9.23E-08	1.36E-07	2.29E-07	8.04E-08	8.39E-08	1.64E-07
1643	566985.08	4216840.12	9.39E-07	1.01E-06	1.95E-06	8.15E-07	8.97E-07	1.71E-06	9.85E-08	1.45E-07	2.44E-07	8.58E-08	8.95E-08	1.75E-07
1644	566979.37	4216848.01	9.94E-07	1.07E-06	2.07E-06	8.63E-07	9.50E-07	1.81E-06	1.04E-07	1.54E-07	2.58E-07	9.08E-08	9.48E-08	1.86E-07
1645	566973.65	4216855.89	1.04E-06	1.13E-06	2.17E-06	9.04E-07	9.96E-07	1.90E-06	1.09E-07	1.61E-07	2.71E-07	9.52E-08	9.94E-08	1.95E-07
1646	566967.94	4216863.78	1.08E-06	1.17E-06	2.26E-06	9.41E-07	1.04E-06	1.98E-06	1.14E-07	1.68E-07	2.82E-07	9.91E-08	1.03E-07	2.02E-07
1647	566962.23	4216871.66	1.12E-06	1.21E-06	2.33E-06	9.72E-07	1.07E-06	2.04E-06	1.17E-07	1.73E-07	2.91E-07	1.02E-07	1.07E-07	2.09E-07
1648	566956.52	4216879.55	1.15E-06	1.24E-06	2.39E-06	9.96E-07	1.10E-06	2.09E-06	1.20E-07	1.78E-07	2.98E-07	1.05E-07	1.09E-07	2.14E-07
1649	566950.81	4216887.43	1.17E-06	1.26E-06	2.43E-06	1.01E-06	1.11E-06	2.13E-06	1.22E-07	1.81E-07	3.03E-07	1.07E-07	1.11E-07	2.18E-07
1650	566945.09	4216895.32	1.18E-06	1.27E-06	2.45E-06	1.02E-06	1.13E-06	2.15E-06	1.24E-07	1.82E-07	3.06E-07	1.08E-07	1.12E-07	2.20E-07
1651	566939.38	4216903.2	1.18E-06	1.27E-06	2.45E-06	1.02E-06	1.13E-06	2.15E-06	1.24E-07	1.83E-07	3.06E-07	1.08E-07	1.12E-07	2.20E-07
1652	566933.67	4216911.09	1.17E-06	1.27E-06	2.44E-06	1.02E-06	1.12E-06	2.14E-06	1.23E-07	1.82E-07	3.05E-07	1.07E-07	1.12E-07	2.19E-07
1653	566927.96	4216918.97	1.16E-06	1.25E-06	2.40E-06	1.00E-06	1.10E-06	2.11E-06	1.21E-07	1.79E-07	3.00E-07	1.06E-07	1.10E-07	2.16E-07
1654	566922.24	4216926.86	1.13E-06	1.22E-06	2.35E-06	9.81E-07	1.08E-06	2.06E-06	1.19E-07	1.75E-07	2.94E-07	1.03E-07	1.08E-07	2.11E-07
1655	567023.36	4216773.59	4.51E-07	4.86E-07	9.37E-07	3.91E-07	4.30E-07	8.21E-07	4.73E-08	6.97E-08	1.17E-07	4.12E-08	4.29E-08	8.41E-08
1656	567036.15	4216762.64	3.97E-07	4.29E-07	8.26E-07	3.45E-07	3.80E-07	7.24E-07	4.17E-08	6.15E-08	1.03E-07	3.63E-08	3.79E-08	7.42E-08
1657	567057.12	4216749.73	3.43E-07	3.71E-07	7.14E-07	2.98E-07	3.28E-07	6.26E-07	3.60E-08	5.32E-08	8.92E-08	3.14E-08	3.27E-08	6.41E-08
1658	567011.25	4216786.94	5.26E-07	5.68E-07	1.09E-06	4.56E-07	5.03E-07	9.59E-07	5.52E-08	8.14E-08	1.37E-07	4.81E-08	5.01E-08	9.82E-08
1659	567005.54	4216794.83	5.75E-07	6.21E-07	1.20E-06	4.99E-07	5.50E-07	1.05E-06	6.03E-08	8.91E-08	1.49E-07	5.26E-08	5.48E-08	1.07E-07
1660	566999.83	4216802.71	6.26E-07	6.76E-07	1.30E-06	5.43E-07	5.98E-07	1.14E-06	6.57E-08	9.70E-08	1.63E-07	5.72E-08	5.97E-08	1.17E-07
1661	566994.12	4216810.6	6.78E-07	7.32E-07	1.41E-06	5.88E-07	6.48E-07	1.24E-06	7.11E-08	1.05E-07	1.76E-07	6.20E-08	6.47E-08	1.27E-07
1662	566988.4	4216818.48	7.31E-07	7.89E-07	1.52E-06	6.34E-07	6.98E-07	1.33E-06	7.67E-08	1.13E-07	1.90E-07	6.68E-08	6.97E-08	1.36E-07
1663	566982.69	4216826.37	7.85E-07	8.47E-07	1.63E-06	6.81E-07	7.49E-07	1.43E-06	8.23E-08	1.21E-07	2.04E-07	7.17E-08	7.48E-08	1.46E-07
1664	566976.98	4216834.25	8.36E-07	9.02E-07	1.74E-06	7.25E-07	7.98E-07	1.52E-06	8.77E-08	1.29E-07	2.17E-07	7.64E-08	7.97E-08	1.56E-07
1665	566971.27	4216842.14	8.84E-07	9.55E-07	1.84E-06	7.67E-07	8.45E-07	1.61E-06	9.28E-08	1.37E-07	2.30E-07	8.08E-08	8.43E-08	1.65E-07
1666	566965.56	4216850.02	9.28E-07	1.00E-06	1.93E-06	8.05E-07	8.86E-07	1.69E-06	9.73E-08	1.44E-07	2.41E-07	8.48E-08	8.85E-08	1.73E-07
1667	566959.84	4216857.91	9.66E-07	1.04E-06	2.01E-06	8.38E-07	9.23E-07	1.76E-06	1.01E-07	1.50E-07	2.51E-07	8.82E-08	9.21E-08	1.80E-07
1668	566954.13	4216865.79	9.98E-07	1.08E-06	2.08E-06	8.66E-07	9.53E-07	1.82E-06	1.05E-07	1.54E-07	2.59E-07	9.12E-08	9.51E-08	1.86E-07
1669	566948.42	4216873.68	1.02E-06	1.11E-06	2.13E-06	8.89E-07	9.78E-07	1.87E-06	1.07E-07	1.59E-07	2.66E-07	9.36E-08	9.76E-08	1.91E-07
1670	566942.71	4216881.56	1.04E-06	1.13E-06	2.17E-06	9.05E-07	9.97E-07	1.90E-06	1.09E-07	1.61E-07	2.71E-07	9.53E-08	9.94E-08	1.95E-07
1671	566936.99	4216889.45	1.06E-06	1.14E-06	2.19E-06	9.16E-07	1.01E-06	1.92E-06	1.11E-07	1.63E-07	2.74E-07	9.64E-08	1.01E-07	1.97E-07
1672	566931.28	4216897.33	1.06E-06	1.14E-06	2.20E-06	9.19E-07	1.01E-06	1.93E-06	1.11E-07	1.64E-07	2.75E-07	9.68E-08	1.01E-07	1.98E-07
1673	566925.57	4216905.22	1.06E-06	1.14E-06	2.20E-06	9.17E-07	1.01E-06	1.93E-06	1.11E-07	1.64E-07	2.74E-07	9.65E-08	1.01E-07	1.97E-07
1674	566919.86	4216913.1	1.05E-06	1.13E-06	2.17E-06	9.07E-07	9.99E-07	1.91E-06	1.10E-07	1.62E-07	2.71E-07	9.55E-08	9.96E-08	1.95E-07
1675	566914.15	4216920.99	1.03E-06	1.11E-06	2.14E-06	8.91E-07	9.81E-07	1.87E-06	1.08E-07	1.59E-07	2.67E-07	9.38E-08	9.79E-08	1.92E-07
1676	567015.97	4216767.11	4.14E-07	4.46E-07	8.60E-07	3.59E-07	3.95E-07	7.54E-07	4.34E-08	6.40E-08	1.07E-07	3.78E-08	3.94E-08	7.72E-08
1677	567023.08	4216761.03	3.87E-07	4.17E-07	8.04E-07	3.35E-07	3.69E-07	7.05E-07	4.06E-08	5.98E-08	1.00E-07	3.53E-08	3.69E-08	7.22E-08
1678	567030.18	4216754.95	3.62E-07	3.91E-07	7.53E-07	3.14E-07	3.46E-07	6.60E-07	3.80E-08	5.60E-08	9.40E-08	3.31E-08	3.45E-08	6.76E-08
1679	567008.87	4216773.19	4.42E-07	4.77E-07	9.18E-07	3.83E-07	4.22E-07	8.05E-07	4.63E-08	6.84E-08	1.15E-07	4.03E-08	4.21E-08	8.24E-08
1680	567003.16	4216781.08	4.82E-07	5.20E-07	1.00E-06	4.18E-07	4.60E-07	8.79E-07	5.06E-08	7.46E-08	1.25E-07	4.40E-08	4.59E-08	9.00E-08
1681	566997.44	4216788.96	5.25E-07	5.66E-07	1.09E-06	4.55E-07	5.01E-07	9.56E-07	5.50E-08	8.12E-08	1.36E-07	4.79E-08	5.00E-08	9.79E-08
1682	566991.73	4216796.85	5.69E-07	6.14E-07	1.18E-06	4.93E-07	5.43E-07	1.04E-06	5.97E-08	8.80E-08	1.48E-07	5.19E-08	5.42E-08	1.06E-07
1683	566986.02	4216804.73	6.14E-07	6.63E-07	1.28E-06	5.33E-07	5.86E-07	1.12E-06	6.44E-08	9.50E-08	1.59E-07	5.61E-08	5.85E-08	1.15E-07
1684	566980.31	4216812.62	6.59E-07	7.12E-07	1.37E-06	5.72E-07	6.30E-07	1.20E-06	6.92E-08	1.02E-07	1.71E-07	6.02E-08	6.29E-08	1.23E-07
1685	566974.59	4216820.5	7.05E-07	7.61E-07	1.47E-06	6.12E-07	6.73E-07	1.29E-06	7.39E-08	1.09E-07	1.83E-07	6.44E-08	6.72E-08	1.32E-07
1686	566968.88	4216828.39	7.5E-07	8.09E-07	1.56E-06	6.51E-07	7.16E-07	1.37E-06	7.87E-08	1.16E-07	1.95E-07	6.85E-08	7.15E-08	1.40E-07
1687	566963.17	4216836.27	7.92E-07	8.55E-07	1.65E-06	6.88E-07	7.57E-07	1.44E-06	8.31E-08	1.23E-07	2.06E-07	7.24E-08	7.55E-08	1.48E-07
1688	566957.46	4216844.16	8.32E-07	8.98E-07	1.73E-06	7.22E-07	7.95E-07	1.52E-06	8.73E-08	1.29E-07	2.16E-07	7.60E-08	7.93E-08	1.55E-07
1689	566951.75	4216852.04	8.66E-07	9.35E-07	1.80E-06	7.52E-07	8.27E-07	1.58E-06	9.09E-08	1.34E-07	2.25E-07	7.91E-08	8.26E-08	1.62E-07
1690	566946.03	4216859.93	8.96E-07	9.67E-07	1.86E-06	7.77E-07	8.56E-07	1.63E-06	9.39E-08	1.39E-07	2.33E-07	8.18E-08	8.54E-08	1.67E-07

1691	566940.32	4216867.81	9.2E-07	9.93E-07	1.91E-06	7.98E-07	8.79E-07	1.68E-06	9.65E-08	1.42E-07	2.39E-07	8.40E-08	8.77E-08	1.72E-07
1692	566934.61	4216875.7	9.38E-07	1.01E-06	1.95E-06	8.14E-07	8.96E-07	1.71E-06	9.84E-08	1.45E-07	2.44E-07	8.57E-08	8.94E-08	1.75E-07
1693	566928.9	4216883.58	9.51E-07	1.03E-06	1.98E-06	8.25E-07	9.08E-07	1.73E-06	9.97E-08	1.47E-07	2.47E-07	8.69E-08	9.06E-08	1.77E-07
1694	566923.18	4216891.47	9.57E-07	1.03E-06	1.99E-06	8.30E-07	9.14E-07	1.74E-06	1.00E-07	1.48E-07	2.49E-07	8.74E-08	9.12E-08	1.79E-07
1695	566917.47	4216899.35	9.57E-07	1.03E-06	1.99E-06	8.30E-07	9.14E-07	1.74E-06	1.00E-07	1.48E-07	2.48E-07	8.74E-08	9.12E-08	1.79E-07
1696	566911.76	4216907.24	9.5E-07	1.03E-06	1.98E-06	8.24E-07	9.07E-07	1.73E-06	9.96E-08	1.47E-07	2.47E-07	8.68E-08	9.05E-08	1.77E-07
1697	566906.05	4216915.12	9.37E-07	1.01E-06	1.95E-06	8.13E-07	8.95E-07	1.71E-06	9.83E-08	1.45E-07	2.43E-07	8.56E-08	8.93E-08	1.75E-07
1698	567007.28	4216761.75	3.86E-07	4.17E-07	8.03E-07	3.35E-07	3.69E-07	7.03E-07	4.05E-08	5.97E-08	1.00E-07	3.53E-08	3.68E-08	7.20E-08
1699	566995.06	4216775.21	4.44E-07	4.79E-07	9.23E-07	3.85E-07	4.24E-07	8.09E-07	4.65E-08	6.87E-08	1.15E-07	4.05E-08	4.23E-08	8.28E-08
1700	566989.34	4216783.1	4.81E-07	5.20E-07	1.00E-06	4.18E-07	4.60E-07	8.77E-07	5.05E-08	7.45E-08	1.25E-07	4.40E-08	4.59E-08	8.98E-08
1701	566983.63	4216790.98	5.2E-07	5.61E-07	1.08E-06	4.51E-07	4.97E-07	9.48E-07	5.45E-08	8.05E-08	1.35E-07	4.75E-08	4.96E-08	9.71E-08
1702	566977.92	4216798.87	5.59E-07	6.04E-07	1.16E-06	4.85E-07	5.34E-07	1.02E-06	5.87E-08	8.66E-08	1.45E-07	5.11E-08	5.33E-08	1.04E-07
1703	566972.21	4216806.75	5.99E-07	6.47E-07	1.25E-06	5.20E-07	5.72E-07	1.09E-06	6.28E-08	9.27E-08	1.56E-07	5.47E-08	5.71E-08	1.12E-07
1704	566966.5	4216814.64	6.38E-07	6.89E-07	1.33E-06	5.54E-07	6.10E-07	1.16E-06	6.69E-08	9.88E-08	1.66E-07	5.83E-08	6.08E-08	1.19E-07
1705	566960.78	4216822.52	6.77E-07	7.31E-07	1.41E-06	5.88E-07	6.47E-07	1.23E-06	7.10E-08	1.05E-07	1.76E-07	6.19E-08	6.46E-08	1.26E-07
1706	566955.07	4216830.41	7.15E-07	7.72E-07	1.49E-06	6.20E-07	6.83E-07	1.30E-06	7.50E-08	1.11E-07	1.86E-07	6.53E-08	6.81E-08	1.33E-07
1707	566949.36	4216838.29	7.5E-07	8.09E-07	1.56E-06	6.51E-07	7.16E-07	1.37E-06	7.87E-08	1.16E-07	1.95E-07	6.85E-08	7.15E-08	1.40E-07
1708	566943.65	4216846.18	7.82E-07	8.44E-07	1.63E-06	6.78E-07	7.47E-07	1.43E-06	8.20E-08	1.21E-07	2.03E-07	7.14E-08	7.45E-08	1.46E-07
1709	566937.93	4216854.06	8.08E-07	8.73E-07	1.68E-06	7.01E-07	7.72E-07	1.47E-06	8.48E-08	1.25E-07	2.10E-07	7.38E-08	7.71E-08	1.51E-07
1710	566932.22	4216861.95	8.31E-07	8.97E-07	1.73E-06	7.21E-07	7.94E-07	1.51E-06	8.71E-08	1.29E-07	2.16E-07	7.59E-08	7.92E-08	1.55E-07
1711	566926.51	4216869.83	8.48E-07	9.16E-07	1.76E-06	7.36E-07	8.10E-07	1.55E-06	8.90E-08	1.31E-07	2.20E-07	7.75E-08	8.09E-08	1.58E-07
1712	566920.8	4216877.72	8.61E-07	9.30E-07	1.79E-06	7.47E-07	8.23E-07	1.57E-06	9.03E-08	1.33E-07	2.24E-07	7.87E-08	8.21E-08	1.61E-07
1713	566915.09	4216885.6	8.69E-07	9.38E-07	1.81E-06	7.54E-07	8.30E-07	1.58E-06	9.11E-08	1.34E-07	2.26E-07	7.94E-08	8.28E-08	1.62E-07
1714	566909.37	4216893.49	8.71E-07	9.40E-07	1.81E-06	7.55E-07	8.32E-07	1.59E-06	9.13E-08	1.35E-07	2.26E-07	7.95E-08	8.30E-08	1.62E-07
1715	566903.66	4216901.37	8.67E-07	9.36E-07	1.80E-06	7.52E-07	8.28E-07	1.58E-06	9.09E-08	1.34E-07	2.25E-07	7.92E-08	8.26E-08	1.62E-07
1716	566897.95	4216909.26	8.58E-07	9.26E-07	1.78E-06	7.44E-07	8.19E-07	1.56E-06	9.00E-08	1.33E-07	2.23E-07	7.84E-08	8.18E-08	1.60E-07
1717	567044.39	4216722.79	2.6E-07	2.81E-07	5.42E-07	2.26E-07	2.49E-07	4.75E-07	2.73E-08	4.03E-08	6.76E-08	2.38E-08	2.48E-08	4.86E-08
1718	567053.48	4216720.6	2.55E-07	2.75E-07	5.30E-07	2.21E-07	2.44E-07	4.65E-07	2.68E-08	3.95E-08	6.62E-08	2.33E-08	2.43E-08	4.76E-08
1719	567062.57	4216718.42	2.5E-07	2.69E-07	5.19E-07	2.16E-07	2.38E-07	4.55E-07	2.62E-08	3.86E-08	6.48E-08	2.28E-08	2.38E-08	4.66E-08
1720	567071.67	4216716.23	2.44E-07	2.64E-07	5.08E-07	2.12E-07	2.33E-07	4.45E-07	2.56E-08	3.78E-08	6.34E-08	2.23E-08	2.33E-08	4.56E-08
1721	567080.76	4216714.05	2.39E-07	2.58E-07	4.98E-07	2.08E-07	2.29E-07	4.36E-07	2.51E-08	3.71E-08	6.22E-08	2.19E-08	2.28E-08	4.47E-08
1722	566986.96	4216769.34	4.11E-07	4.43E-07	8.54E-07	3.56E-07	3.92E-07	7.48E-07	4.31E-08	6.36E-08	1.07E-07	3.75E-08	3.91E-08	7.66E-08
1723	566981.25	4216777.23	4.44E-07	4.79E-07	9.22E-07	3.85E-07	4.24E-07	8.08E-07	4.65E-08	6.86E-08	1.15E-07	4.05E-08	4.23E-08	8.28E-08
1724	566975.53	4216785.11	4.78E-07	5.16E-07	9.94E-07	4.15E-07	4.56E-07	8.71E-07	5.01E-08	7.40E-08	1.24E-07	4.36E-08	4.55E-08	8.92E-08
1725	566969.82	4216793	5.12E-07	5.53E-07	1.07E-06	4.45E-07	4.90E-07	9.34E-07	5.38E-08	7.93E-08	1.33E-07	4.68E-08	4.88E-08	9.57E-08
1726	566964.11	4216800.88	5.47E-07	5.91E-07	1.14E-06	4.75E-07	5.23E-07	9.98E-07	5.74E-08	8.47E-08	1.42E-07	5.00E-08	5.22E-08	1.02E-07
1727	566958.4	4216808.77	5.82E-07	6.28E-07	1.21E-06	5.05E-07	5.56E-07	1.06E-06	6.10E-08	9.01E-08	1.51E-07	5.31E-08	5.55E-08	1.09E-07
1728	566952.69	4216816.65	6.16E-07	6.64E-07	1.28E-06	5.34E-07	5.88E-07	1.12E-06	6.46E-08	9.53E-08	1.60E-07	5.62E-08	5.87E-08	1.15E-07
1729	566946.97	4216824.54	6.49E-07	7.00E-07	1.35E-06	5.63E-07	6.20E-07	1.18E-06	6.81E-08	1.00E-07	1.68E-07	5.93E-08	6.18E-08	1.21E-07
1730	566941.26	4216832.42	6.8E-07	7.34E-07	1.41E-06	5.90E-07	6.49E-07	1.24E-06	7.13E-08	1.05E-07	1.77E-07	6.21E-08	6.48E-08	1.27E-07
1731	566935.55	4216840.31	7.09E-07	7.65E-07	1.47E-06	6.15E-07	6.77E-07	1.29E-06	7.43E-08	1.10E-07	1.84E-07	6.47E-08	6.75E-08	1.32E-07
1732	566929.84	4216848.19	7.33E-07	7.92E-07	1.52E-06	6.36E-07	7.00E-07	1.34E-06	7.69E-08	1.14E-07	1.90E-07	6.70E-08	6.99E-08	1.37E-07
1733	566924.12	4216856.08	7.54E-07	8.14E-07	1.57E-06	6.54E-07	7.20E-07	1.37E-06	7.91E-08	1.17E-07	1.96E-07	6.88E-08	7.18E-08	1.41E-07
1734	566918.41	4216863.96	7.7E-07	8.32E-07	1.60E-06	6.68E-07	7.36E-07	1.40E-06	8.08E-08	1.19E-07	2.00E-07	7.04E-08	7.34E-08	1.44E-07
1735	566912.7	4216871.85	7.84E-07	8.46E-07	1.63E-06	6.80E-07	7.48E-07	1.43E-06	8.22E-08	1.21E-07	2.03E-07	7.16E-08	7.47E-08	1.46E-07
1736	566906.99	4216879.73	7.92E-07	8.55E-07	1.65E-06	6.87E-07	7.57E-07	1.44E-06	8.31E-08	1.23E-07	2.06E-07	7.23E-08	7.55E-08	1.48E-07
1737	566901.28	4216887.62	7.95E-07	8.59E-07	1.65E-06	6.90E-07	7.60E-07	1.45E-06	8.34E-08	1.23E-07	2.07E-07	7.27E-08	7.58E-08	1.48E-07
1738	566895.56	4216895.5	7.94E-07	8.57E-07	1.65E-06	6.89E-07	7.58E-07	1.45E-06	8.33E-08	1.23E-07	2.06E-07	7.25E-08	7.57E-08	1.48E-07
1739	566889.85	4216903.39	7.88E-07	8.51E-07	1.64E-06	6.84E-07	7.53E-07	1.44E-06	8.27E-08	1.22E-07	2.05E-07	7.20E-08	7.51E-08	1.47E-07
1740	567004.36	4216738.65	3.02E-07	3.26E-07	6.28E-07	2.62E-07	2.89E-07	5.51E-07	3.17E-08	4.68E-08	7.84E-08	2.76E-08	2.88E-08	5.64E-08
1741	567017.56	4216727.36	2.72E-07	2.93E-07	5.65E-07	2.36E-07	2.60E-07	4.95E-07	2.85E-08	4.21E-08	7.06E-08	2.48E-08	2.59E-08	5.07E-08
1742	567039.19	4216714.04	2.4E-07	2.60E-07	5.00E-07	2.09E-07	2.30E-07	4.38E-07	2.52E-08	3.72E-08	6.24E-08	2.20E-08	2.29E-08	4.49E-08
1743	567056.08	4216709.98	2.32E-07	2.50E-07	4.82E-07	2.01E-07	2.21E-07	4.22E-07	2.43E-08	3.58E-08	6.01E-08	2.12E-08	2.21E-08	4.32E-08
1744	567072.96	4216705.92	2.23E-07	2.41E-07	4.64E-07	1.94E-07	2.13E-07	4.07E-07	2.34E-08	3.45E-08	5.79E-08	2.04E-08	2.13E-08	4.16E-08
1745	566973.15	4216771.36	4.1E-07	4.43E-07	8.54E-07	3.56E-07	3.92E-07	7.48E-07	4.31E-08	6.35E-08	1.07E-07	3.75E-08	3.91E-08	7.66E-08
1746	566967.44	4216779.25	4.41E-07	4.76E-07	9.17E-07	3.82E-07	4.21E-07	8.04E-07	4.62E-08	6.82E-08	1.14E-07	4.03E-08	4.20E-08	8.23E-08
1747	566961.72	4216787.13	4.72E-07	5.09E-07	9.81E-07	4.09E-07	4.51E-07	8.60E-07	4.95E-08	7.30E-08	1.23E-07	4.31E-08	4.50E-08	8.81E-08
1748	566956.01	4216795.02	5.03E-07	5.43E-07	1.05E-06	4.36E-07	4.80E-07	9.16E-07	5.27E-08	7.78E-08	1.31E-07	4.59E-08	4.79E-08	9.38E-08
1749	566950.3	4216802.9	5.33E-07	5.76E-07	1.11E-06	4.63E-07	5.09E-07	9.72E-07	5.59E-08	8.25E-08	1.38E-07	4.87E-08	5.08E-08	9.95E-08
1750	566944.59	4216810.79	5.63E-07	6.08E-07	1.17E-06	4.89E-07	5.38E-07	1.03E-06	5.91E-08	8.72E-08	1.46E-07	5.14E-08	5.37E-08	1.05E-07
1751	566938.87	4216818.67	5.92E-07	6.39E-07	1.23E-06	5.14E-07	5.65E-07	1.08E-06	6.21E-08	9.16E-08	1.54E-07	5.41E-08	5.64E-08	1.10E-07
1752	566933.16	4216826.56	6.2E-07	6.69E-07	1.29E-06	5.38E-07	5.92E-07	1.13E-06	6.50E-08	9.59E-08	1.61E-07	5.66E-08	5.91E-08	1.16E-07
1753	566927.45	4216834.44	6.45E-07	6.96E-07	1.34E-06	5.60E-07	6.16E-07	1.18E-06	6.77E-08	9.99E-08	1.68E-07	5.89E-08	6.15E-08	1.20E-07
1754	566921.74	4216842.33	6.68E-07	7.21E-07	1.39E-06	5.79E-07	6.38E-07	1.22E-06	7.00E-08	1.03E-07	1.73E-07	6.10E-08	6.36E-08	1.25E-07
1755	566916.03	4216850.21	6.87E-07	7.41E-07	1.43E-06	5.96E-07	6.56E-07	1.25E-06	7.20E-08	1.06E-07	1.78E-07	6.27E-08	6.54E-08	1.28E-07
1756	566910.31	4216858.1	7.03E-07	7.58E-07	1.46E-06	6.10E-07	6.71E-07	1.28E-06	7.37E-08	1.09E-07	1.82E-07	6.42E-08	6.70E-08	1.31E-07
1757	566904.6	4216865.98	7.15E-07	7.72E-07	1.49E-06	6.21E-07	6.83E-07	1.30E-06	7.50E-08	1.11E-07	1.86E-07	6.54E-08	6.82E-08	1.34E-07
1758	566898.89	4216873.87	7.25E-07	7.82E-07	1.51E-06	6.29E-07	6.92E-07	1.32E-06	7.60E-08	1.12E-07	1.88E-07	6.62E-08	6.91E-08	1.35E-07
1759	566893.18	4216881.75	7.3E-07	7.88E-07	1.52E-06	6.33E-07	6.97E-07	1.33E-06	7.65E-08	1.13E-07	1.89E-07	6.66E-08	6.95E-08	1.36E-07
1760	566887.46	4216889.64	7.3E-07	7.88E-07	1.52E-06	6.33E-07	6.97E-07	1.33E-06	7.66E-08	1.13E-07	1.90E-07	6.67E-08	6.96E-08	1.36E-07
1761	566881.75	4216897.52	7.26E-07	7.84E-07	1.51E-06	6.30E-07	6.94E-07	1.32E-06	7.62E-08	1.12E-07	1.89E-07	6.63E-08	6.92E-08	1.36E-07
1762	566983.58	4216743.65	3.14E-07	3.39E-07	6.53E-07	2.73E-07	3.00E-07	5.73E-07	3.29E-08	4.86E-08	8.16E-08	2.87E-08	2.99E-08	5.86E-08
1763	566990.68	4216737.57	2.97E-07	3.21E-07	6.18E-07	2.58E-07	2.84E-07	5.42E-07	3.12E-08	4.60E-08	7.72E-08	2.71E-08	2.83E-08	5.55E-08
1764	566997.79	4216731.48	2.81E-07	3.03E-07	5.85E-07	2.44E-07	2.68E-07	5.12E-07	2.95E-08	4.35E-08	7.30E-08	2.57E-08	2.68E-08	5.25E-08
1765	567004.89	4216725.4	2.66E-07	2.87E-07	5.53E-07	2.31E-07	2.54E-07	4.85E-07	2.79E-08	4.12E-08	6.91E-08	2.43E-08	2.54E-08	4.97E-08
1766	567012	4216719.32	2.52E-07	2.72E-07	5.24E-07	2.19E-07	2.41E-07	4.60E-07	2.65E-08	3.90E-08	6.55E-08	2.30E-08	2.40E-08	4.71E-08
1767	567035.3	4216704.98	2.22E-07	2.40E-07	4.62E-07	1.93E-07	2.12E-07	4.05E-07	2.33E-08	3.44E-08	5.77E-08	2.03E-08	2.12E-08	4.15E-08

1768	567044.39	4216702.79	2.18E-07	2.35E-07	4.53E-07	1.89E-07	2.08E-07	3.97E-07	2.29E-08	3.37E-08	5.66E-08	1.99E-08	2.08E-08	4.07E-08
1769	567053.48	4216700.6	2.14E-07	2.31E-07	4.45E-07	1.86E-07	2.04E-07	3.90E-07	2.24E-08	3.31E-08	5.55E-08	1.95E-08	2.04E-08	3.99E-08
1770	567062.57	4216698.42	2.1E-07	2.26E-07	4.36E-07	1.82E-07	2.00E-07	3.82E-07	2.20E-08	3.25E-08	5.44E-08	1.92E-08	2.00E-08	3.91E-08
1771	567071.67	4216696.23	2.06E-07	2.22E-07	4.28E-07	1.79E-07	1.97E-07	3.75E-07	2.16E-08	3.18E-08	5.34E-08	1.88E-08	1.96E-08	3.84E-08
1772	567080.76	4216694.05	2.02E-07	2.18E-07	4.20E-07	1.75E-07	1.93E-07	3.68E-07	2.12E-08	3.13E-08	5.25E-08	1.85E-08	1.93E-08	3.77E-08
1773	566975.04	4216738.16	2.97E-07	3.20E-07	6.17E-07	2.57E-07	2.83E-07	5.41E-07	3.11E-08	4.59E-08	7.71E-08	2.71E-08	2.83E-08	5.54E-08
1774	566988.36	4216726.76	2.68E-07	2.90E-07	5.58E-07	2.33E-07	2.56E-07	4.89E-07	2.82E-08	4.15E-08	6.97E-08	2.45E-08	2.56E-08	5.01E-08
1775	567001.68	4216715.36	2.43E-07	2.63E-07	5.06E-07	2.11E-07	2.32E-07	4.43E-07	2.55E-08	3.76E-08	6.32E-08	2.22E-08	2.32E-08	4.54E-08
1776	567015	4216703.96	2.21E-07	2.38E-07	4.59E-07	1.92E-07	2.11E-07	4.02E-07	2.32E-08	3.42E-08	5.73E-08	2.02E-08	2.10E-08	4.12E-08
1777	567030.18	4216696.21	2.07E-07	2.23E-07	4.30E-07	1.79E-07	1.97E-07	3.77E-07	2.17E-08	3.20E-08	5.37E-08	1.89E-08	1.97E-08	3.86E-08
1778	567047.23	4216692.11	1.99E-07	2.15E-07	4.15E-07	1.73E-07	1.91E-07	3.64E-07	2.09E-08	3.09E-08	5.18E-08	1.82E-08	1.90E-08	3.72E-08
1779	567064.28	4216688.01	1.93E-07	2.08E-07	4.00E-07	1.67E-07	1.84E-07	3.51E-07	2.02E-08	2.98E-08	5.00E-08	1.76E-08	1.84E-08	3.59E-08
1780	566939.82	4216783.28	4.29E-07	4.63E-07	8.93E-07	3.72E-07	4.10E-07	7.82E-07	4.50E-08	6.64E-08	1.11E-07	3.92E-08	4.09E-08	8.01E-08
1781	566934.1	4216791.17	4.54E-07	4.90E-07	9.44E-07	3.94E-07	4.33E-07	8.27E-07	4.76E-08	7.02E-08	1.18E-07	4.15E-08	4.33E-08	8.47E-08
1782	566928.39	4216799.05	4.78E-07	5.16E-07	9.93E-07	4.14E-07	4.56E-07	8.71E-07	5.01E-08	7.39E-08	1.24E-07	4.36E-08	4.55E-08	8.91E-08
1783	566922.68	4216806.94	5.01E-07	5.40E-07	1.04E-06	4.34E-07	4.78E-07	9.13E-07	5.25E-08	7.75E-08	1.30E-07	4.57E-08	4.77E-08	9.34E-08
1784	566916.97	4216814.82	5.22E-07	5.64E-07	1.09E-06	4.53E-07	4.99E-07	9.52E-07	5.48E-08	8.09E-08	1.36E-07	4.77E-08	4.98E-08	9.75E-08
1785	566911.25	4216822.71	5.43E-07	5.86E-07	1.13E-06	4.71E-07	5.19E-07	9.90E-07	5.69E-08	8.40E-08	1.41E-07	4.96E-08	5.17E-08	1.01E-07
1786	566905.54	4216830.59	5.61E-07	6.06E-07	1.17E-06	4.87E-07	5.36E-07	1.02E-06	5.89E-08	8.69E-08	1.46E-07	5.13E-08	5.35E-08	1.05E-07
1787	566899.83	4216838.48	5.78E-07	6.24E-07	1.20E-06	5.01E-07	5.52E-07	1.05E-06	6.06E-08	8.94E-08	1.50E-07	5.28E-08	5.51E-08	1.08E-07
1788	566894.12	4216846.36	5.92E-07	6.39E-07	1.23E-06	5.13E-07	5.65E-07	1.08E-06	6.21E-08	9.16E-08	1.54E-07	5.40E-08	5.64E-08	1.10E-07
1789	566888.41	4216854.25	6.04E-07	6.52E-07	1.26E-06	5.24E-07	5.77E-07	1.10E-06	6.33E-08	9.35E-08	1.57E-07	5.52E-08	5.76E-08	1.13E-07
1790	566882.69	4216862.13	6.13E-07	6.62E-07	1.28E-06	5.32E-07	5.86E-07	1.12E-06	6.43E-08	9.49E-08	1.59E-07	5.60E-08	5.85E-08	1.14E-07
1791	566876.98	4216870.02	6.2E-07	6.69E-07	1.29E-06	5.38E-07	5.92E-07	1.13E-06	6.50E-08	9.59E-08	1.61E-07	5.66E-08	5.91E-08	1.16E-07
1792	566871.27	4216877.9	6.23E-07	6.72E-07	1.29E-06	5.40E-07	5.95E-07	1.14E-06	6.53E-08	9.64E-08	1.62E-07	5.69E-08	5.94E-08	1.16E-07
1793	566967.38	4216731.91	2.79E-07	3.02E-07	5.81E-07	2.42E-07	2.67E-07	5.09E-07	2.93E-08	4.32E-08	7.25E-08	2.55E-08	2.66E-08	5.21E-08
1794	566974.49	4216725.83	2.66E-07	2.87E-07	5.52E-07	2.30E-07	2.54E-07	4.84E-07	2.79E-08	4.11E-08	6.90E-08	2.43E-08	2.53E-08	4.96E-08
1795	566981.59	4216719.75	2.52E-07	2.72E-07	5.24E-07	2.19E-07	2.41E-07	4.60E-07	2.64E-08	3.90E-08	6.55E-08	2.30E-08	2.40E-08	4.71E-08
1796	566988.7	4216713.67	2.39E-07	2.58E-07	4.98E-07	2.08E-07	2.29E-07	4.36E-07	2.51E-08	3.71E-08	6.22E-08	2.19E-08	2.28E-08	4.47E-08
1797	566995.8	4216707.59	2.27E-07	2.46E-07	4.73E-07	1.97E-07	2.17E-07	4.15E-07	2.39E-08	3.52E-08	5.91E-08	2.08E-08	2.17E-08	4.25E-08
1798	567002.9	4216701.51	2.16E-07	2.34E-07	4.50E-07	1.88E-07	2.07E-07	3.95E-07	2.27E-08	3.35E-08	5.62E-08	1.98E-08	2.06E-08	4.04E-08
1799	567010.01	4216695.43	2.06E-07	2.22E-07	4.28E-07	1.79E-07	1.97E-07	3.75E-07	2.16E-08	3.19E-08	5.35E-08	1.88E-08	1.96E-08	3.84E-08
1800	567026.21	4216687.16	1.92E-07	2.08E-07	4.00E-07	1.67E-07	1.84E-07	3.50E-07	2.02E-08	2.98E-08	4.99E-08	1.76E-08	1.83E-08	3.59E-08
1801	567035.3	4216684.98	1.89E-07	2.04E-07	3.92E-07	1.64E-07	1.80E-07	3.44E-07	1.98E-08	2.92E-08	4.90E-08	1.72E-08	1.80E-08	3.52E-08
1802	567044.39	4216682.79	1.85E-07	2.00E-07	3.85E-07	1.61E-07	1.77E-07	3.38E-07	1.94E-08	2.87E-08	4.81E-08	1.69E-08	1.77E-08	3.46E-08
1803	567053.48	4216680.6	1.82E-07	1.96E-07	3.79E-07	1.58E-07	1.74E-07	3.32E-07	1.91E-08	2.82E-08	4.73E-08	1.66E-08	1.74E-08	3.40E-08
1804	567062.57	4216678.42	1.79E-07	1.93E-07	3.72E-07	1.55E-07	1.71E-07	3.26E-07	1.88E-08	2.77E-08	4.64E-08	1.63E-08	1.70E-08	3.34E-08
1805	567071.67	4216676.23	1.76E-07	1.90E-07	3.65E-07	1.52E-07	1.68E-07	3.20E-07	1.84E-08	2.72E-08	4.56E-08	1.61E-08	1.67E-08	3.28E-08
1806	567080.76	4216674.05	1.73E-07	1.87E-07	3.60E-07	1.50E-07	1.65E-07	3.15E-07	1.81E-08	2.68E-08	4.49E-08	1.58E-08	1.65E-08	3.23E-08
1807	566960.28	4216737.99	2.93E-07	3.17E-07	6.10E-07	2.54E-07	2.80E-07	5.35E-07	3.08E-08	4.54E-08	7.61E-08	2.68E-08	2.80E-08	5.47E-08
1808	566954.57	4216745.88	3.13E-07	3.38E-07	6.50E-07	2.71E-07	2.99E-07	5.70E-07	3.28E-08	4.84E-08	8.12E-08	2.86E-08	2.98E-08	5.84E-08
1809	566926	4216785.3	4.21E-07	4.54E-07	8.75E-07	3.65E-07	4.02E-07	7.67E-07	4.42E-08	6.52E-08	1.09E-07	3.85E-08	4.01E-08	7.86E-08
1810	566920.29	4216793.19	4.42E-07	4.78E-07	9.20E-07	3.84E-07	4.23E-07	8.07E-07	4.64E-08	6.85E-08	1.15E-07	4.04E-08	4.22E-08	8.26E-08
1811	566914.58	4216801.07	4.63E-07	5.00E-07	9.63E-07	4.02E-07	4.42E-07	8.44E-07	4.86E-08	7.17E-08	1.20E-07	4.23E-08	4.42E-08	8.65E-08
1812	566908.87	4216808.96	4.83E-07	5.21E-07	1.00E-06	4.19E-07	4.61E-07	8.80E-07	5.07E-08	7.48E-08	1.25E-07	4.41E-08	4.60E-08	9.02E-08
1813	566903.16	4216816.84	5.01E-07	5.41E-07	1.04E-06	4.35E-07	4.79E-07	9.14E-07	5.26E-08	7.76E-08	1.30E-07	4.58E-08	4.78E-08	9.36E-08
1814	566897.44	4216824.73	5.18E-07	5.60E-07	1.08E-06	4.50E-07	4.95E-07	9.45E-07	5.44E-08	8.03E-08	1.35E-07	4.74E-08	4.94E-08	9.68E-08
1815	566891.73	4216832.61	5.34E-07	5.76E-07	1.11E-06	4.63E-07	5.10E-07	9.73E-07	5.60E-08	8.26E-08	1.39E-07	4.87E-08	5.09E-08	9.96E-08
1816	566886.02	4216840.5	5.47E-07	5.90E-07	1.14E-06	4.74E-07	5.22E-07	9.97E-07	5.74E-08	8.46E-08	1.42E-07	4.99E-08	5.21E-08	1.02E-07
1817	566880.31	4216848.38	5.58E-07	6.02E-07	1.16E-06	4.84E-07	5.33E-07	1.02E-06	5.85E-08	8.64E-08	1.45E-07	5.10E-08	5.32E-08	1.04E-07
1818	566874.59	4216856.27	5.67E-07	6.12E-07	1.18E-06	4.92E-07	5.42E-07	1.03E-06	5.95E-08	8.78E-08	1.47E-07	5.18E-08	5.41E-08	1.06E-07
1819	566868.88	4216864.15	5.73E-07	6.19E-07	1.19E-06	4.98E-07	5.48E-07	1.05E-06	6.01E-08	8.88E-08	1.49E-07	5.24E-08	5.47E-08	1.07E-07
1820	566863.17	4216872.04	5.77E-07	6.23E-07	1.20E-06	5.01E-07	5.51E-07	1.05E-06	6.05E-08	8.93E-08	1.50E-07	5.27E-08	5.50E-08	1.08E-07
1821	566958.89	4216726.38	2.65E-07	2.86E-07	5.51E-07	2.30E-07	2.53E-07	4.83E-07	2.78E-08	4.10E-08	6.88E-08	2.42E-08	2.53E-08	4.95E-08
1822	566965.6	4216720.64	2.53E-07	2.73E-07	5.26E-07	2.20E-07	2.42E-07	4.61E-07	2.66E-08	3.92E-08	6.57E-08	2.31E-08	2.41E-08	4.73E-08
1823	566979.02	4216709.16	2.3E-07	2.49E-07	4.79E-07	2.00E-07	2.20E-07	4.20E-07	2.42E-08	3.57E-08	5.98E-08	2.11E-08	2.20E-08	4.30E-08
1824	566992.44	4216697.67	2.1E-07	2.26E-07	4.36E-07	1.82E-07	2.00E-07	3.82E-07	2.20E-08	3.25E-08	5.45E-08	1.92E-08	2.00E-08	3.92E-08
1825	567005.86	4216686.18	1.92E-07	2.07E-07	3.98E-07	1.66E-07	1.83E-07	3.49E-07	2.01E-08	2.96E-08	4.97E-08	1.75E-08	1.83E-08	3.58E-08
1826	567038.33	4216674.25	1.74E-07	1.88E-07	3.61E-07	1.51E-07	1.66E-07	3.17E-07	1.82E-08	2.69E-08	4.51E-08	1.59E-08	1.66E-08	3.24E-08
1827	567055.5	4216670.12	1.68E-07	1.82E-07	3.50E-07	1.46E-07	1.61E-07	3.07E-07	1.76E-08	2.60E-08	4.37E-08	1.54E-08	1.60E-08	3.14E-08
1828	567072.68	4216665.99	1.63E-07	1.76E-07	3.39E-07	1.41E-07	1.56E-07	2.97E-07	1.71E-08	2.52E-08	4.23E-08	1.49E-08	1.55E-08	3.04E-08
1829	566946.47	4216740.01	2.94E-07	3.18E-07	6.12E-07	2.55E-07	2.81E-07	5.37E-07	3.09E-08	4.56E-08	7.64E-08	2.69E-08	2.81E-08	5.49E-08
1830	566912.19	4216787.32	4.11E-07	4.44E-07	8.55E-07	3.57E-07	3.93E-07	7.50E-07	4.31E-08	6.37E-08	1.07E-07	3.76E-08	3.92E-08	7.68E-08
1831	566906.48	4216795.21	4.3E-07	4.64E-07	8.94E-07	3.73E-07	4.11E-07	7.84E-07	4.51E-08	6.66E-08	1.12E-07	3.93E-08	4.10E-08	8.03E-08
1832	566900.77	4216803.09	4.48E-07	4.84E-07	9.32E-07	3.89E-07	4.28E-07	8.17E-07	4.70E-08	6.94E-08	1.16E-07	4.09E-08	4.27E-08	8.36E-08
1833	566895.06	4216810.98	4.65E-07	5.02E-07	9.67E-07	4.03E-07	4.44E-07	8.48E-07	4.88E-08	7.20E-08	1.21E-07	4.25E-08	4.43E-08	8.68E-08
1834	566889.35	4216818.86	4.81E-07	5.19E-07	9.99E-07	4.17E-07	4.59E-07	8.76E-07	5.04E-08	7.44E-08	1.25E-07	4.39E-08	4.58E-08	8.97E-08
1835	566883.63	4216826.75	4.95E-07	5.34E-07	1.03E-06	4.29E-07	4.72E-07	9.02E-07	5.19E-08	7.66E-08	1.28E-07	4.52E-08	4.71E-08	9.23E-08
1836	566877.92	4216834.63	5.07E-07	5.47E-07	1.05E-06	4.40E-07	4.84E-07	9.24E-07	5.32E-08	7.85E-08	1.32E-07	4.63E-08	4.83E-08	9.46E-08
1837	566872.21	4216842.52	5.17E-07	5.58E-07	1.08E-06	4.49E-07	4.94E-07	9.43E-07	5.43E-08	8.01E-08	1.34E-07	4.73E-08	4.93E-08	9.66E-08
1838	566866.5	4216850.4	5.26E-07	5.68E-07	1.09E-06	4.56E-07	5.02E-07	9.59E-07	5.52E-08	8.14E-08	1.37E-07	4.80E-08	5.01E-08	9.82E-08
1839	566860.78	4216858.29	5.32E-07	5.75E-07	1.11E-06	4.62E-07	5.08E-07	9.70E-07	5.58E-08	8.24E-08	1.38E-07	4.86E-08	5.07E-08	9.94E-08
1840	566855.07	4216866.17	5.36E-07	5.79E-07	1.11E-06	4.65E-07	5.12E-07	9.77E-07	5.62E-08	8.30E-08	1.39E-07	4.90E-08	5.11E-08	1.00E-07
1841	566951.19	4216720.18	2.5E-07	2.70E-07	5.21E-07	2.17E-07	2.39E-07	4.56E-07	2.63E-08	3.87E-08	6.50E-08	2.29E-08	2.39E-08	4.67E-08
1842	566958.29	4216714.1	2.39E-07	2.58E-07	4.97E-07	2.07E-07	2.28E-07	4.36E-07	2.51E-08	3.70E-08	6.21E-08	2.18E-08	2.28E-08	4.46E-08
1843	566965.39	4216708.02	2.28E-07	2.46E-07	4.74E-07	1.98E-07	2.18E-07	4.15E-07	2.39E-08	3.53E-08	5.92E-08	2.08E-08	2.17E-08	4.25E-08
1844	566972.5	4216701.94	2.17E-07	2.34E-07	4.52E-07	1.88E-07	2.07E-07	3.96E-07	2.28E-08	3.36E-08	5.64E-08	1.98E-08	2.07E-08	4.05E-08

1845	566979.6	4216695.86	2.07E-07	2.23E-07	4.31E-07	1.80E-07	1.98E-07	3.77E-07	2.17E-08	3.20E-08	5.38E-08	1.89E-08	1.97E-08	3.86E-08
1846	566986.71	4216689.78	1.97E-07	2.13E-07	4.11E-07	1.71E-07	1.89E-07	3.60E-07	2.07E-08	3.06E-08	5.13E-08	1.80E-08	1.88E-08	3.69E-08
1847	566993.81	4216683.7	1.88E-07	2.03E-07	3.92E-07	1.63E-07	1.80E-07	3.43E-07	1.98E-08	2.91E-08	4.89E-08	1.72E-08	1.79E-08	3.51E-08
1848	567000.92	4216677.62	1.8E-07	1.94E-07	3.74E-07	1.56E-07	1.72E-07	3.28E-07	1.88E-08	2.78E-08	4.67E-08	1.64E-08	1.71E-08	3.35E-08
1849	567026.21	4216667.16	1.65E-07	1.78E-07	3.44E-07	1.43E-07	1.58E-07	3.01E-07	1.73E-08	2.56E-08	4.29E-08	1.51E-08	1.57E-08	3.08E-08
1850	567035.3	4216664.98	1.62E-07	1.75E-07	3.38E-07	1.41E-07	1.55E-07	2.96E-07	1.70E-08	2.51E-08	4.22E-08	1.48E-08	1.55E-08	3.03E-08
1851	567044.39	4216662.79	1.6E-07	1.72E-07	3.32E-07	1.39E-07	1.53E-07	2.91E-07	1.67E-08	2.47E-08	4.15E-08	1.46E-08	1.52E-08	2.98E-08
1852	567053.48	4216660.6	1.57E-07	1.70E-07	3.27E-07	1.36E-07	1.50E-07	2.86E-07	1.65E-08	2.43E-08	4.08E-08	1.44E-08	1.50E-08	2.93E-08
1853	567062.57	4216658.42	1.55E-07	1.67E-07	3.22E-07	1.34E-07	1.48E-07	2.82E-07	1.62E-08	2.39E-08	4.02E-08	1.41E-08	1.47E-08	2.89E-08
1854	567071.67	4216656.23	1.52E-07	1.65E-07	3.17E-07	1.32E-07	1.46E-07	2.78E-07	1.60E-08	2.36E-08	3.96E-08	1.39E-08	1.45E-08	2.84E-08
1855	567080.76	4216654.05	1.5E-07	1.62E-07	3.13E-07	1.30E-07	1.44E-07	2.74E-07	1.58E-08	2.33E-08	3.90E-08	1.37E-08	1.43E-08	2.81E-08
1856	566944.08	4216726.26	2.62E-07	2.83E-07	5.44E-07	2.27E-07	2.50E-07	4.77E-07	2.75E-08	4.05E-08	6.80E-08	2.39E-08	2.50E-08	4.89E-08
1857	566926.94	4216749.91	3.12E-07	3.37E-07	6.48E-07	2.71E-07	2.98E-07	5.68E-07	3.27E-08	4.83E-08	8.10E-08	2.85E-08	2.97E-08	5.82E-08
1858	566921.23	4216757.8	3.3E-07	3.56E-07	6.86E-07	2.86E-07	3.15E-07	6.01E-07	3.46E-08	5.10E-08	8.56E-08	3.01E-08	3.14E-08	6.15E-08
1859	566892.67	4216797.22	4.17E-07	4.50E-07	8.67E-07	3.62E-07	3.98E-07	7.60E-07	4.37E-08	6.45E-08	1.08E-07	3.81E-08	3.97E-08	7.78E-08
1860	566886.96	4216805.11	4.32E-07	4.67E-07	8.99E-07	3.75E-07	4.13E-07	7.88E-07	4.54E-08	6.69E-08	1.12E-07	3.95E-08	4.12E-08	8.07E-08
1861	566881.25	4216812.99	4.47E-07	4.82E-07	9.29E-07	3.88E-07	4.27E-07	8.14E-07	4.69E-08	6.92E-08	1.16E-07	4.08E-08	4.26E-08	8.34E-08
1862	566875.53	4216820.88	4.6E-07	4.96E-07	9.56E-07	3.99E-07	4.39E-07	8.38E-07	4.82E-08	7.12E-08	1.19E-07	4.20E-08	4.38E-08	8.58E-08
1863	566869.82	4216828.76	4.71E-07	5.09E-07	9.80E-07	4.09E-07	4.50E-07	8.59E-07	4.94E-08	7.30E-08	1.22E-07	4.31E-08	4.49E-08	8.80E-08
1864	566864.11	4216836.65	4.81E-07	5.20E-07	1.00E-06	4.18E-07	4.60E-07	8.77E-07	5.05E-08	7.45E-08	1.25E-07	4.40E-08	4.59E-08	8.98E-08
1865	566858.4	4216844.53	4.89E-07	5.28E-07	1.02E-06	4.25E-07	4.67E-07	8.92E-07	5.13E-08	7.57E-08	1.27E-07	4.47E-08	4.66E-08	9.13E-08
1866	566852.69	4216852.42	4.96E-07	5.35E-07	1.03E-06	4.30E-07	4.73E-07	9.03E-07	5.20E-08	7.67E-08	1.29E-07	4.53E-08	4.72E-08	9.25E-08
1867	566846.97	4216860.3	5E-07	5.39E-07	1.04E-06	4.33E-07	4.77E-07	9.11E-07	5.24E-08	7.73E-08	1.30E-07	4.56E-08	4.76E-08	9.33E-08
1868	566942.73	4216714.62	2.38E-07	2.57E-07	4.95E-07	2.07E-07	2.28E-07	4.34E-07	2.50E-08	3.69E-08	6.18E-08	2.18E-08	2.27E-08	4.45E-08
1869	566956.23	4216703.06	2.19E-07	2.36E-07	4.55E-07	1.90E-07	2.09E-07	3.99E-07	2.29E-08	3.38E-08	5.68E-08	2.00E-08	2.08E-08	4.08E-08
1870	566969.73	4216691.51	2E-07	2.16E-07	4.16E-07	1.74E-07	1.91E-07	3.65E-07	2.10E-08	3.10E-08	5.20E-08	1.83E-08	1.91E-08	3.74E-08
1871	566976.48	4216685.73	1.92E-07	2.07E-07	3.99E-07	1.66E-07	1.83E-07	3.49E-07	2.01E-08	2.97E-08	4.98E-08	1.75E-08	1.83E-08	3.58E-08
1872	566989.98	4216674.18	1.76E-07	1.90E-07	3.65E-07	1.52E-07	1.68E-07	3.20E-07	1.84E-08	2.72E-08	4.56E-08	1.61E-08	1.67E-08	3.28E-08
1873	567029.39	4216656.4	1.53E-07	1.65E-07	3.18E-07	1.33E-07	1.46E-07	2.79E-07	1.60E-08	2.37E-08	3.97E-08	1.40E-08	1.46E-08	2.86E-08
1874	567046.66	4216652.24	1.48E-07	1.60E-07	3.09E-07	1.29E-07	1.42E-07	2.70E-07	1.56E-08	2.30E-08	3.85E-08	1.36E-08	1.41E-08	2.77E-08
1875	567063.94	4216648.09	1.44E-07	1.56E-07	3.00E-07	1.25E-07	1.38E-07	2.63E-07	1.51E-08	2.23E-08	3.75E-08	1.32E-08	1.38E-08	2.69E-08
1876	566924.56	4216736.16	2.78E-07	3.00E-07	5.78E-07	2.41E-07	2.66E-07	5.07E-07	2.92E-08	4.30E-08	7.22E-08	2.54E-08	2.65E-08	5.19E-08
1877	566918.85	4216744.05	2.94E-07	3.17E-07	6.11E-07	2.55E-07	2.81E-07	5.36E-07	3.08E-08	4.55E-08	7.63E-08	2.69E-08	2.80E-08	5.49E-08
1878	566913.13	4216751.93	3.1E-07	3.35E-07	6.45E-07	2.69E-07	2.96E-07	5.65E-07	3.25E-08	4.80E-08	8.05E-08	2.83E-08	2.96E-08	5.79E-08
1879	566907.42	4216759.82	3.27E-07	3.52E-07	6.79E-07	2.83E-07	3.12E-07	5.95E-07	3.43E-08	5.05E-08	8.48E-08	2.98E-08	3.11E-08	6.10E-08
1880	566901.71	4216767.7	3.43E-07	3.70E-07	7.13E-07	2.97E-07	3.27E-07	6.25E-07	3.60E-08	5.31E-08	8.90E-08	3.13E-08	3.27E-08	6.40E-08
1881	566878.86	4216799.24	4.03E-07	4.35E-07	8.39E-07	3.50E-07	3.85E-07	7.35E-07	4.23E-08	6.24E-08	1.05E-07	3.68E-08	3.84E-08	7.53E-08
1882	566873.15	4216807.13	4.17E-07	4.50E-07	8.66E-07	3.61E-07	3.98E-07	7.59E-07	4.37E-08	6.45E-08	1.08E-07	3.81E-08	3.97E-08	7.78E-08
1883	566867.44	4216815.01	4.29E-07	4.63E-07	8.92E-07	3.72E-07	4.10E-07	7.82E-07	4.50E-08	6.64E-08	1.11E-07	3.92E-08	4.09E-08	8.00E-08
1884	566861.72	4216822.9	4.4E-07	4.75E-07	9.14E-07	3.81E-07	4.20E-07	8.01E-07	4.61E-08	6.80E-08	1.14E-07	4.02E-08	4.19E-08	8.21E-08
1885	566856.01	4216830.78	4.49E-07	4.85E-07	9.34E-07	3.90E-07	4.29E-07	8.18E-07	4.71E-08	6.95E-08	1.17E-07	4.10E-08	4.28E-08	8.38E-08
1886	566850.3	4216838.67	4.57E-07	4.93E-07	9.50E-07	3.96E-07	4.36E-07	8.33E-07	4.79E-08	7.07E-08	1.19E-07	4.17E-08	4.35E-08	8.53E-08
1887	566844.59	4216846.55	4.63E-07	5.00E-07	9.62E-07	4.02E-07	4.42E-07	8.44E-07	4.85E-08	7.16E-08	1.20E-07	4.23E-08	4.41E-08	8.64E-08
1888	566838.88	4216854.44	4.67E-07	5.04E-07	9.71E-07	4.05E-07	4.46E-07	8.52E-07	4.90E-08	7.23E-08	1.21E-07	4.27E-08	4.45E-08	8.72E-08
1889	566942.09	4216702.36	2.17E-07	2.34E-07	4.50E-07	1.88E-07	2.07E-07	3.95E-07	2.27E-08	3.35E-08	5.62E-08	1.98E-08	2.06E-08	4.04E-08
1890	566949.2	4216696.28	2.07E-07	2.24E-07	4.31E-07	1.80E-07	1.98E-07	3.78E-07	2.17E-08	3.21E-08	5.38E-08	1.89E-08	1.98E-08	3.87E-08
1891	566956.3	4216690.2	1.98E-07	2.14E-07	4.12E-07	1.72E-07	1.89E-07	3.61E-07	2.08E-08	3.07E-08	5.15E-08	1.81E-08	1.89E-08	3.70E-08
1892	566963.41	4216684.12	1.9E-07	2.05E-07	3.94E-07	1.64E-07	1.81E-07	3.45E-07	1.99E-08	2.93E-08	4.92E-08	1.73E-08	1.81E-08	3.54E-08
1893	566970.51	4216678.04	1.81E-07	1.96E-07	3.77E-07	1.57E-07	1.73E-07	3.31E-07	1.90E-08	2.81E-08	4.71E-08	1.66E-08	1.73E-08	3.38E-08
1894	566977.62	4216671.96	1.73E-07	1.87E-07	3.61E-07	1.50E-07	1.66E-07	3.16E-07	1.82E-08	2.68E-08	4.50E-08	1.58E-08	1.65E-08	3.24E-08
1895	566984.72	4216665.88	1.66E-07	1.79E-07	3.45E-07	1.44E-07	1.58E-07	3.02E-07	1.74E-08	2.57E-08	4.31E-08	1.52E-08	1.58E-08	3.10E-08
1896	566991.82	4216659.8	1.59E-07	1.71E-07	3.30E-07	1.38E-07	1.52E-07	2.89E-07	1.66E-08	2.46E-08	4.12E-08	1.45E-08	1.51E-08	2.96E-08
1897	567017.11	4216649.35	1.46E-07	1.58E-07	3.04E-07	1.27E-07	1.40E-07	2.67E-07	1.53E-08	2.26E-08	3.80E-08	1.34E-08	1.39E-08	2.73E-08
1898	567026.21	4216647.16	1.44E-07	1.55E-07	2.99E-07	1.25E-07	1.37E-07	2.62E-07	1.51E-08	2.22E-08	3.73E-08	1.31E-08	1.37E-08	2.68E-08
1899	567035.3	4216644.98	1.41E-07	1.53E-07	2.94E-07	1.23E-07	1.35E-07	2.58E-07	1.48E-08	2.19E-08	3.67E-08	1.29E-08	1.35E-08	2.64E-08
1900	567044.39	4216642.79	1.39E-07	1.50E-07	2.90E-07	1.21E-07	1.33E-07	2.54E-07	1.46E-08	2.16E-08	3.62E-08	1.27E-08	1.33E-08	2.60E-08
1901	567053.48	4216640.6	1.37E-07	1.48E-07	2.86E-07	1.19E-07	1.31E-07	2.50E-07	1.44E-08	2.13E-08	3.57E-08	1.25E-08	1.31E-08	2.56E-08
1902	567062.57	4216638.42	1.36E-07	1.46E-07	2.82E-07	1.18E-07	1.29E-07	2.47E-07	1.42E-08	2.10E-08	3.52E-08	1.24E-08	1.29E-08	2.53E-08
1903	567071.67	4216636.23	1.34E-07	1.44E-07	2.78E-07	1.16E-07	1.28E-07	2.44E-07	1.40E-08	2.07E-08	3.47E-08	1.22E-08	1.28E-08	2.50E-08
1904	567080.76	4216634.05	1.32E-07	1.43E-07	2.75E-07	1.15E-07	1.26E-07	2.41E-07	1.39E-08	2.05E-08	3.43E-08	1.21E-08	1.26E-08	2.47E-08
1905	566922.17	4216722.41	2.49E-07	2.69E-07	5.18E-07	2.16E-07	2.38E-07	4.54E-07	2.61E-08	3.86E-08	6.47E-08	2.28E-08	2.38E-08	4.65E-08
1906	566916.46	4216730.3	2.63E-07	2.84E-07	5.47E-07	2.28E-07	2.51E-07	4.80E-07	2.76E-08	4.07E-08	6.84E-08	2.40E-08	2.51E-08	4.91E-08
1907	566910.75	4216738.18	2.78E-07	3.00E-07	5.77E-07	2.41E-07	2.65E-07	5.06E-07	2.91E-08	4.30E-08	7.21E-08	2.54E-08	2.65E-08	5.18E-08
1908	566905.04	4216746.07	2.92E-07	3.16E-07	6.08E-07	2.54E-07	2.79E-07	5.33E-07	3.07E-08	4.53E-08	7.59E-08	2.67E-08	2.79E-08	5.46E-08
1909	566899.32	4216753.95	3.07E-07	3.32E-07	6.39E-07	2.66E-07	2.93E-07	5.60E-07	3.22E-08	4.75E-08	7.98E-08	2.81E-08	2.93E-08	5.73E-08
1910	566893.61	4216761.84	3.22E-07	3.47E-07	6.69E-07	2.79E-07	3.07E-07	5.87E-07	3.38E-08	4.98E-08	8.36E-08	2.94E-08	3.07E-08	6.01E-08
1911	566887.9	4216769.72	3.36E-07	3.63E-07	6.99E-07	2.92E-07	3.21E-07	6.13E-07	3.53E-08	5.21E-08	8.73E-08	3.07E-08	3.21E-08	6.28E-08
1912	566865.05	4216801.26	3.9E-07	4.21E-07	8.10E-07	3.38E-07	3.72E-07	7.10E-07	4.09E-08	6.03E-08	1.01E-07	3.56E-08	3.71E-08	7.27E-08
1913	566859.34	4216809.15	4.01E-07	4.33E-07	8.34E-07	3.48E-07	3.83E-07	7.31E-07	4.20E-08	6.21E-08	1.04E-07	3.66E-08	3.82E-08	7.48E-08
1914	566853.63	4216817.03	4.11E-07	4.44E-07	8.55E-07	3.57E-07	3.93E-07	7.49E-07	4.31E-08	6.36E-08	1.07E-07	3.75E-08	3.92E-08	7.67E-08
1915	566847.91	4216824.92	4.2E-07	4.53E-07	8.73E-07	3.64E-07	4.01E-07	7.65E-07	4.40E-08	6.50E-08	1.09E-07	3.84E-08	4.00E-08	7.84E-08
1916	566842.2	4216832.8	4.27E-07	4.61E-07	8.89E-07	3.71E-07	4.08E-07	7.79E-07	4.48E-08	6.62E-08	1.11E-07	3.90E-08	4.07E-08	7.98E-08
1917	566836.49	4216840.69	4.33E-07	4.68E-07	9.01E-07	3.76E-07	4.14E-07	7.90E-07	4.55E-08	6.71E-08	1.13E-07	3.96E-08	4.13E-08	8.09E-08
1918	566830.78	4216848.57	4.38E-07	4.73E-07	9.10E-07	3.80E-07	4.18E-07	7.98E-07	4.59E-08	6.78E-08	1.14E-07	4.00E-08	4.17E-08	8.17E-08
1919	566940.13	4216691.25	1.99E-07	2.15E-07	4.15E-07	1.73E-07	1.90E-07	3.64E-07	2.09E-08	3.09E-08	5.18E-08	1.82E-08	1.90E-08	3.72E-08
1920	566953.69	4216679.64	1.84E-07	1.98E-07	3.82E-07	1.59E-07	1.75E-07	3.35E-07	1.93E-08	2.84E-08	4.77E-08	1.68E-08	1.75E-08	3.43E-08
1921	566967.26	4216668.03	1.69E-07	1.82E-07	3.52E-07	1.47E-07	1.61E-07	3.08E-07	1.77E-08	2.62E-08	4.39E-08	1.54E-08	1.61E-08	3.16E-08

1922	566974.04	4216662.23	1.62E-07	1.75E-07	3.37E-07	1.41E-07	1.55E-07	2.96E-07	1.70E-08	2.51E-08	4.21E-08	1.48E-08	1.55E-08	3.03E-08
1923	566987.6	4216650.62	1.49E-07	1.61E-07	3.10E-07	1.29E-07	1.42E-07	2.72E-07	1.56E-08	2.31E-08	3.87E-08	1.36E-08	1.42E-08	2.78E-08
1924	567020.42	4216638.55	1.36E-07	1.47E-07	2.83E-07	1.18E-07	1.30E-07	2.48E-07	1.43E-08	2.11E-08	3.53E-08	1.24E-08	1.30E-08	2.54E-08
1925	567037.78	4216634.38	1.32E-07	1.43E-07	2.75E-07	1.15E-07	1.26E-07	2.41E-07	1.39E-08	2.05E-08	3.43E-08	1.21E-08	1.26E-08	2.47E-08
1926	567055.13	4216630.21	1.29E-07	1.39E-07	2.68E-07	1.12E-07	1.23E-07	2.35E-07	1.35E-08	1.99E-08	3.34E-08	1.18E-08	1.23E-08	2.40E-08
1927	567072.49	4216626.03	1.26E-07	1.36E-07	2.61E-07	1.09E-07	1.20E-07	2.29E-07	1.32E-08	1.95E-08	3.26E-08	1.15E-08	1.20E-08	2.35E-08
1928	566914.07	4216716.54	2.37E-07	2.55E-07	4.92E-07	2.05E-07	2.26E-07	4.31E-07	2.48E-08	3.66E-08	6.14E-08	2.16E-08	2.26E-08	4.42E-08
1929	566908.36	4216724.43	2.5E-07	2.69E-07	5.19E-07	2.17E-07	2.38E-07	4.55E-07	2.62E-08	3.86E-08	6.48E-08	2.28E-08	2.38E-08	4.66E-08
1930	566902.65	4216732.31	2.63E-07	2.84E-07	5.46E-07	2.28E-07	2.51E-07	4.79E-07	2.76E-08	4.07E-08	6.82E-08	2.40E-08	2.50E-08	4.90E-08
1931	566896.94	4216740.2	2.76E-07	2.98E-07	5.74E-07	2.40E-07	2.64E-07	5.03E-07	2.90E-08	4.27E-08	7.17E-08	2.52E-08	2.63E-08	5.15E-08
1932	566891.23	4216748.08	2.89E-07	3.12E-07	6.02E-07	2.51E-07	2.76E-07	5.28E-07	3.04E-08	4.48E-08	7.52E-08	2.64E-08	2.76E-08	5.40E-08
1933	566885.51	4216755.97	3.03E-07	3.27E-07	6.30E-07	2.63E-07	2.89E-07	5.52E-07	3.18E-08	4.69E-08	7.87E-08	2.77E-08	2.89E-08	5.65E-08
1934	566879.8	4216763.85	3.16E-07	3.41E-07	6.57E-07	2.74E-07	3.02E-07	5.76E-07	3.32E-08	4.89E-08	8.21E-08	2.89E-08	3.01E-08	5.90E-08
1935	566874.09	4216771.74	3.29E-07	3.55E-07	6.85E-07	2.86E-07	3.14E-07	6.00E-07	3.45E-08	5.10E-08	8.55E-08	3.01E-08	3.14E-08	6.14E-08
1936	566845.53	4216811.16	3.85E-07	4.16E-07	8.01E-07	3.34E-07	3.68E-07	7.02E-07	4.04E-08	5.96E-08	1.00E-07	3.52E-08	3.67E-08	7.19E-08
1937	566839.82	4216819.05	3.94E-07	4.25E-07	8.19E-07	3.42E-07	3.76E-07	7.18E-07	4.13E-08	6.09E-08	1.02E-07	3.60E-08	3.75E-08	7.35E-08
1938	566834.1	4216826.93	4.01E-07	4.33E-07	8.33E-07	3.48E-07	3.83E-07	7.31E-07	4.20E-08	6.20E-08	1.04E-07	3.66E-08	3.82E-08	7.48E-08
1939	566828.39	4216834.82	4.07E-07	4.39E-07	8.46E-07	3.53E-07	3.88E-07	7.41E-07	4.27E-08	6.30E-08	1.06E-07	3.71E-08	3.88E-08	7.59E-08
1940	566822.68	4216842.7	4.11E-07	4.44E-07	8.55E-07	3.57E-07	3.93E-07	7.49E-07	4.31E-08	6.36E-08	1.07E-07	3.76E-08	3.92E-08	7.67E-08
1941	566933	4216684.55	1.9E-07	2.05E-07	3.95E-07	1.65E-07	1.81E-07	3.46E-07	1.99E-08	2.94E-08	4.93E-08	1.73E-08	1.81E-08	3.54E-08
1942	566940.11	4216678.47	1.82E-07	1.97E-07	3.79E-07	1.58E-07	1.74E-07	3.32E-07	1.91E-08	2.82E-08	4.73E-08	1.66E-08	1.74E-08	3.40E-08
1943	566947.21	4216672.39	1.75E-07	1.89E-07	3.63E-07	1.52E-07	1.67E-07	3.18E-07	1.83E-08	2.70E-08	4.54E-08	1.60E-08	1.67E-08	3.26E-08
1944	566954.32	4216666.31	1.67E-07	1.81E-07	3.48E-07	1.45E-07	1.60E-07	3.05E-07	1.76E-08	2.59E-08	4.35E-08	1.53E-08	1.60E-08	3.13E-08
1945	566961.42	4216660.23	1.6E-07	1.73E-07	3.33E-07	1.39E-07	1.53E-07	2.92E-07	1.68E-08	2.48E-08	4.16E-08	1.46E-08	1.53E-08	2.99E-08
1946	566968.52	4216654.15	1.54E-07	1.66E-07	3.19E-07	1.33E-07	1.47E-07	2.80E-07	1.61E-08	2.38E-08	3.99E-08	1.40E-08	1.46E-08	2.87E-08
1947	566975.63	4216648.07	1.47E-07	1.59E-07	3.06E-07	1.28E-07	1.41E-07	2.68E-07	1.54E-08	2.28E-08	3.82E-08	1.34E-08	1.40E-08	2.75E-08
1948	566911.69	4216702.79	2.13E-07	2.30E-07	4.44E-07	1.85E-07	2.04E-07	3.89E-07	2.24E-08	3.30E-08	5.54E-08	1.95E-08	2.03E-08	3.99E-08
1949	566905.98	4216710.68	2.25E-07	2.43E-07	4.68E-07	1.95E-07	2.15E-07	4.10E-07	2.36E-08	3.48E-08	5.84E-08	2.05E-08	2.14E-08	4.20E-08
1950	566900.26	4216718.56	2.37E-07	2.56E-07	4.92E-07	2.05E-07	2.26E-07	4.32E-07	2.48E-08	3.67E-08	6.15E-08	2.16E-08	2.26E-08	4.42E-08
1951	566894.55	4216726.45	2.49E-07	2.69E-07	5.18E-07	2.16E-07	2.38E-07	4.54E-07	2.61E-08	3.85E-08	6.46E-08	2.27E-08	2.37E-08	4.65E-08
1952	566888.84	4216734.33	2.61E-07	2.82E-07	5.43E-07	2.27E-07	2.49E-07	4.76E-07	2.74E-08	4.04E-08	6.78E-08	2.38E-08	2.49E-08	4.87E-08
1953	566883.13	4216742.22	2.73E-07	2.95E-07	5.68E-07	2.37E-07	2.61E-07	4.98E-07	2.87E-08	4.23E-08	7.10E-08	2.50E-08	2.61E-08	5.10E-08
1954	566877.42	4216750.1	2.86E-07	3.08E-07	5.94E-07	2.48E-07	2.73E-07	5.21E-07	3.00E-08	4.42E-08	7.42E-08	2.61E-08	2.72E-08	5.33E-08
1955	566871.7	4216757.99	2.98E-07	3.22E-07	6.19E-07	2.58E-07	2.85E-07	5.43E-07	3.12E-08	4.61E-08	7.73E-08	2.72E-08	2.84E-08	5.56E-08
1956	566865.99	4216765.87	3.1E-07	3.34E-07	6.44E-07	2.69E-07	2.96E-07	5.65E-07	3.25E-08	4.80E-08	8.05E-08	2.83E-08	2.95E-08	5.78E-08
1957	566860.28	4216773.76	3.21E-07	3.47E-07	6.68E-07	2.79E-07	3.07E-07	5.86E-07	3.37E-08	4.98E-08	8.35E-08	2.94E-08	3.06E-08	6.00E-08
1958	566831.72	4216813.18	3.7E-07	3.99E-07	7.69E-07	3.21E-07	3.53E-07	6.74E-07	3.88E-08	5.72E-08	9.60E-08	3.38E-08	3.53E-08	6.90E-08
1959	566826.01	4216821.07	3.77E-07	4.07E-07	7.83E-07	3.27E-07	3.60E-07	6.87E-07	3.95E-08	5.83E-08	9.78E-08	3.44E-08	3.59E-08	7.03E-08
1960	566820.29	4216828.95	3.82E-07	4.13E-07	7.95E-07	3.32E-07	3.65E-07	6.97E-07	4.01E-08	5.92E-08	9.93E-08	3.49E-08	3.65E-08	7.14E-08
1961	566814.58	4216836.84	3.87E-07	4.18E-07	8.05E-07	3.36E-07	3.70E-07	7.05E-07	4.06E-08	5.99E-08	1.00E-07	3.53E-08	3.69E-08	7.22E-08
1962	566910.4	4216691.1	1.96E-07	2.12E-07	4.09E-07	1.70E-07	1.88E-07	3.58E-07	2.06E-08	3.04E-08	5.10E-08	1.79E-08	1.87E-08	3.67E-08
1963	566930.82	4216673.62	1.76E-07	1.90E-07	3.66E-07	1.53E-07	1.68E-07	3.21E-07	1.85E-08	2.72E-08	4.57E-08	1.61E-08	1.68E-08	3.29E-08
1964	566944.44	4216661.96	1.63E-07	1.76E-07	3.39E-07	1.41E-07	1.56E-07	2.97E-07	1.71E-08	2.52E-08	4.23E-08	1.49E-08	1.55E-08	3.04E-08
1965	566951.25	4216656.14	1.56E-07	1.69E-07	3.25E-07	1.36E-07	1.49E-07	2.85E-07	1.64E-08	2.42E-08	4.06E-08	1.43E-08	1.49E-08	2.92E-08
1966	567011.43	4216620.72	1.22E-07	1.32E-07	2.54E-07	1.06E-07	1.17E-07	2.23E-07	1.28E-08	1.89E-08	3.17E-08	1.12E-08	1.17E-08	2.28E-08
1967	566903.59	4216696.93	2.04E-07	2.20E-07	4.23E-07	1.77E-07	1.94E-07	3.71E-07	2.13E-08	3.15E-08	5.29E-08	1.86E-08	1.94E-08	3.80E-08
1968	566897.88	4216704.81	2.14E-07	2.31E-07	4.45E-07	1.86E-07	2.05E-07	3.90E-07	2.25E-08	3.31E-08	5.56E-08	1.96E-08	2.04E-08	4.00E-08
1969	566892.17	4216712.7	2.25E-07	2.43E-07	4.68E-07	1.95E-07	2.15E-07	4.10E-07	2.36E-08	3.48E-08	5.84E-08	2.06E-08	2.15E-08	4.20E-08
1970	566886.45	4216720.58	2.36E-07	2.55E-07	4.91E-07	2.05E-07	2.26E-07	4.30E-07	2.48E-08	3.66E-08	6.13E-08	2.16E-08	2.25E-08	4.41E-08
1971	566880.74	4216728.47	2.47E-07	2.67E-07	5.14E-07	2.15E-07	2.36E-07	4.51E-07	2.59E-08	3.83E-08	6.42E-08	2.26E-08	2.36E-08	4.62E-08
1972	566875.03	4216736.35	2.59E-07	2.79E-07	5.38E-07	2.24E-07	2.47E-07	4.72E-07	2.71E-08	4.00E-08	6.72E-08	2.36E-08	2.47E-08	4.83E-08
1973	566869.32	4216744.24	2.7E-07	2.91E-07	5.61E-07	2.34E-07	2.58E-07	4.92E-07	2.83E-08	4.18E-08	7.01E-08	2.47E-08	2.57E-08	5.04E-08
1974	566863.6	4216752.12	2.81E-07	3.04E-07	5.85E-07	2.44E-07	2.69E-07	5.13E-07	2.95E-08	4.35E-08	7.30E-08	2.57E-08	2.68E-08	5.25E-08
1975	566857.89	4216760.01	2.92E-07	3.15E-07	6.08E-07	2.54E-07	2.79E-07	5.33E-07	3.07E-08	4.52E-08	7.59E-08	2.67E-08	2.79E-08	5.46E-08
1976	566840.76	4216783.66	3.23E-07	3.49E-07	6.72E-07	2.80E-07	3.09E-07	5.89E-07	3.39E-08	5.00E-08	8.39E-08	2.95E-08	3.08E-08	6.03E-08
1977	566817.91	4216815.2	3.55E-07	3.83E-07	7.38E-07	3.08E-07	3.39E-07	6.47E-07	3.72E-08	5.49E-08	9.21E-08	3.24E-08	3.38E-08	6.62E-08
1978	566812.19	4216823.09	3.6E-07	3.89E-07	7.49E-07	3.13E-07	3.44E-07	6.57E-07	3.78E-08	5.58E-08	9.36E-08	3.29E-08	3.43E-08	6.73E-08
1979	566806.48	4216830.97	3.65E-07	3.94E-07	7.59E-07	3.16E-07	3.48E-07	6.65E-07	3.83E-08	5.65E-08	9.47E-08	3.33E-08	3.48E-08	6.81E-08
1980	566902.6	4216684.98	1.88E-07	2.03E-07	3.90E-07	1.63E-07	1.79E-07	3.42E-07	1.97E-08	2.90E-08	4.87E-08	1.71E-08	1.79E-08	3.50E-08
1981	566909.7	4216678.9	1.81E-07	1.95E-07	3.76E-07	1.57E-07	1.73E-07	3.30E-07	1.90E-08	2.80E-08	4.70E-08	1.65E-08	1.72E-08	3.38E-08
1982	566931.01	4216660.66	1.61E-07	1.74E-07	3.36E-07	1.40E-07	1.54E-07	2.94E-07	1.69E-08	2.50E-08	4.19E-08	1.48E-08	1.54E-08	3.01E-08
1983	566959.43	4216636.33	1.37E-07	1.48E-07	2.85E-07	1.19E-07	1.31E-07	2.50E-07	1.44E-08	2.12E-08	3.56E-08	1.25E-08	1.31E-08	2.56E-08
1984	566966.54	4216630.25	1.32E-07	1.42E-07	2.74E-07	1.14E-07	1.26E-07	2.40E-07	1.38E-08	2.04E-08	3.42E-08	1.20E-08	1.26E-08	2.46E-08
1985	566973.64	4216624.17	1.27E-07	1.37E-07	2.63E-07	1.10E-07	1.21E-07	2.31E-07	1.33E-08	1.96E-08	3.29E-08	1.16E-08	1.21E-08	2.36E-08
1986	566989.84	4216615.91	1.2E-07	1.29E-07	2.49E-07	1.04E-07	1.14E-07	2.18E-07	1.25E-08	1.85E-08	3.11E-08	1.09E-08	1.14E-08	2.23E-08
1987	567008.02	4216611.54	1.16E-07	1.25E-07	2.41E-07	1.01E-07	1.11E-07	2.11E-07	1.22E-08	1.79E-08	3.01E-08	1.06E-08	1.11E-08	2.16E-08
1988	567017.11	4216609.35	1.14E-07	1.23E-07	2.38E-07	9.91E-08	1.09E-07	2.08E-07	1.20E-08	1.77E-08	2.97E-08	1.04E-08	1.09E-08	2.13E-08
1989	567026.21	4216607.16	1.13E-07	1.22E-07	2.34E-07	9.78E-08	1.08E-07	2.05E-07	1.18E-08	1.74E-08	2.93E-08	1.03E-08	1.07E-08	2.10E-08
1990	567035.3	4216604.98	1.11E-07	1.20E-07	2.31E-07	9.65E-08	1.06E-07	2.03E-07	1.17E-08	1.72E-08	2.89E-08	1.02E-08	1.06E-08	2.08E-08
1991	567044.39	4216602.79	1.1E-07	1.19E-07	2.28E-07	9.53E-08	1.05E-07	2.00E-07	1.15E-08	1.70E-08	2.85E-08	1.00E-08	1.05E-08	2.05E-08
1992	567053.48	4216600.6	1.09E-07	1.17E-07	2.26E-07	9.42E-08	1.04E-07	1.98E-07	1.14E-08	1.68E-08	2.82E-08	9.91E-09	1.03E-08	2.03E-08
1993	567062.57	4216598.42	1.07E-07	1.16E-07	2.23E-07	9.31E-08	1.02E-07	1.96E-07	1.13E-08	1.66E-08	2.79E-08	9.80E-09	1.02E-08	2.00E-08
1994	567071.67	4216596.23	1.06E-07	1.15E-07	2.21E-07	9.20E-08	1.01E-07	1.93E-07	1.11E-08	1.64E-08	2.75E-08	9.69E-09	1.01E-08	1.98E-08
1995	567080.76	4216594.05	1.05E-07	1.13E-07	2.18E-07	9.11E-08	1.00E-07	1.91E-07	1.10E-08	1.63E-08	2.73E-08	9.59E-09	1.00E-08	1.96E-08
1996	566895.49	4216691.06	1.95E-07	2.10E-07	4.05E-07	1.69E-07	1.86E-07	3.55E-07	2.04E-08	3.01E-08	5.05E-08	1.78E-08	1.85E-08	3.63E-08
1997	566889.78	4216698.94	2.04E-07	2.20E-07	4.25E-07	1.77E-07	1.95E-07	3.72E-07	2.14E-08	3.16E-08	5.30E-08	1.87E-08	1.95E-08	3.81E-08
1998	566884.07	4216706.83	2.14E-07	2.31E-07	4.46E-07	1.86E-07	2.05E-07	3.91E-07	2.25E-08	3.32E-08	5.56E-08	1.96E-08	2.04E-08	4.00E-08

1999	566878.36	4216714.71	2.24E-07	2.42E-07	4.67E-07	1.95E-07	2.14E-07	4.09E-07	2.35E-08	3.47E-08	5.83E-08	2.05E-08	2.14E-08	4.19E-08
2000	566872.64	4216722.6	2.35E-07	2.53E-07	4.88E-07	2.04E-07	2.24E-07	4.28E-07	2.46E-08	3.63E-08	6.10E-08	2.14E-08	2.24E-08	4.38E-08
2001	566866.93	4216730.48	2.45E-07	2.65E-07	5.10E-07	2.13E-07	2.34E-07	4.47E-07	2.57E-08	3.80E-08	6.37E-08	2.24E-08	2.34E-08	4.58E-08
2002	566861.22	4216738.37	2.56E-07	2.76E-07	5.32E-07	2.22E-07	2.44E-07	4.66E-07	2.68E-08	3.96E-08	6.64E-08	2.34E-08	2.44E-08	4.77E-08
2003	566855.51	4216746.25	2.66E-07	2.87E-07	5.53E-07	2.31E-07	2.54E-07	4.85E-07	2.79E-08	4.12E-08	6.91E-08	2.43E-08	2.54E-08	4.96E-08
2004	566838.37	4216769.91	2.96E-07	3.19E-07	6.15E-07	2.57E-07	2.82E-07	5.39E-07	3.10E-08	4.58E-08	7.68E-08	2.70E-08	2.82E-08	5.52E-08
2005	566832.66	4216777.79	3.05E-07	3.29E-07	6.34E-07	2.65E-07	2.91E-07	5.56E-07	3.20E-08	4.72E-08	7.92E-08	2.78E-08	2.91E-08	5.69E-08
2006	566826.95	4216785.68	3.13E-07	3.38E-07	6.52E-07	2.72E-07	2.99E-07	5.71E-07	3.29E-08	4.85E-08	8.14E-08	2.86E-08	2.99E-08	5.85E-08
2007	566798.38	4216825.1	3.45E-07	3.72E-07	7.16E-07	2.99E-07	3.29E-07	6.28E-07	3.61E-08	5.33E-08	8.95E-08	3.15E-08	3.28E-08	6.43E-08
2008	566894.22	4216679.35	1.8E-07	1.94E-07	3.74E-07	1.56E-07	1.72E-07	3.28E-07	1.89E-08	2.79E-08	4.68E-08	1.64E-08	1.72E-08	3.36E-08
2009	566901.06	4216673.5	1.74E-07	1.88E-07	3.62E-07	1.51E-07	1.66E-07	3.17E-07	1.82E-08	2.69E-08	4.52E-08	1.59E-08	1.66E-08	3.25E-08
2010	566907.89	4216667.65	1.68E-07	1.81E-07	3.49E-07	1.46E-07	1.60E-07	3.06E-07	1.76E-08	2.60E-08	4.36E-08	1.53E-08	1.60E-08	3.14E-08
2011	566942.04	4216638.42	1.4E-07	1.51E-07	2.91E-07	1.21E-07	1.34E-07	2.55E-07	1.47E-08	2.16E-08	3.63E-08	1.28E-08	1.33E-08	2.61E-08
2012	566948.87	4216632.57	1.35E-07	1.45E-07	2.80E-07	1.17E-07	1.29E-07	2.45E-07	1.41E-08	2.08E-08	3.50E-08	1.23E-08	1.28E-08	2.51E-08
2013	566955.71	4216626.73	1.3E-07	1.40E-07	2.69E-07	1.12E-07	1.24E-07	2.36E-07	1.36E-08	2.00E-08	3.36E-08	1.18E-08	1.23E-08	2.42E-08
2014	566969.37	4216615.03	1.2E-07	1.30E-07	2.50E-07	1.04E-07	1.15E-07	2.19E-07	1.26E-08	1.86E-08	3.12E-08	1.10E-08	1.14E-08	2.24E-08
2015	566984.94	4216607.08	1.14E-07	1.23E-07	2.37E-07	9.88E-08	1.09E-07	2.07E-07	1.19E-08	1.76E-08	2.96E-08	1.04E-08	1.08E-08	2.12E-08
2016	567002.43	4216602.88	1.1E-07	1.19E-07	2.30E-07	9.59E-08	1.06E-07	2.01E-07	1.16E-08	1.71E-08	2.87E-08	1.01E-08	1.05E-08	2.06E-08
2017	567019.91	4216598.68	1.08E-07	1.16E-07	2.24E-07	9.34E-08	1.03E-07	1.96E-07	1.13E-08	1.67E-08	2.79E-08	9.83E-09	1.03E-08	2.01E-08
2018	567037.4	4216594.47	1.05E-07	1.13E-07	2.18E-07	9.11E-08	1.00E-07	1.91E-07	1.10E-08	1.62E-08	2.73E-08	9.59E-09	1.00E-08	1.96E-08
2019	567054.88	4216590.27	1.03E-07	1.11E-07	2.13E-07	8.90E-08	9.80E-08	1.87E-07	1.08E-08	1.59E-08	2.66E-08	9.37E-09	9.78E-09	1.91E-08
2020	567063.62	4216588.17	1.02E-07	1.10E-07	2.11E-07	8.81E-08	9.70E-08	1.85E-07	1.06E-08	1.57E-08	2.64E-08	9.27E-09	9.68E-09	1.90E-08
2021	566881.68	4216693.08	1.95E-07	2.11E-07	4.06E-07	1.69E-07	1.86E-07	3.56E-07	2.05E-08	3.02E-08	5.07E-08	1.78E-08	1.86E-08	3.64E-08
2022	566875.97	4216700.96	2.04E-07	2.21E-07	4.25E-07	1.77E-07	1.95E-07	3.73E-07	2.14E-08	3.16E-08	5.31E-08	1.87E-08	1.95E-08	3.81E-08
2023	566870.26	4216708.85	2.14E-07	2.31E-07	4.44E-07	1.85E-07	2.04E-07	3.90E-07	2.24E-08	3.31E-08	5.55E-08	1.95E-08	2.04E-08	3.99E-08
2024	566864.54	4216716.73	2.23E-07	2.41E-07	4.64E-07	1.94E-07	2.13E-07	4.07E-07	2.34E-08	3.46E-08	5.80E-08	2.04E-08	2.13E-08	4.17E-08
2025	566858.83	4216724.62	2.33E-07	2.51E-07	4.84E-07	2.02E-07	2.22E-07	4.24E-07	2.44E-08	3.60E-08	6.05E-08	2.13E-08	2.22E-08	4.35E-08
2026	566853.12	4216732.5	2.42E-07	2.62E-07	5.04E-07	2.10E-07	2.32E-07	4.42E-07	2.54E-08	3.75E-08	6.30E-08	2.21E-08	2.31E-08	4.53E-08
2027	566847.41	4216740.39	2.52E-07	2.72E-07	5.24E-07	2.19E-07	2.41E-07	4.59E-07	2.64E-08	3.90E-08	6.55E-08	2.30E-08	2.40E-08	4.71E-08
2028	566835.98	4216756.16	2.71E-07	2.92E-07	5.63E-07	2.35E-07	2.59E-07	4.94E-07	2.84E-08	4.19E-08	7.03E-08	2.47E-08	2.58E-08	5.05E-08
2029	566830.27	4216764.04	2.8E-07	3.02E-07	5.82E-07	2.43E-07	2.67E-07	5.10E-07	2.93E-08	4.33E-08	7.26E-08	2.55E-08	2.67E-08	5.22E-08
2030	566824.56	4216771.93	2.88E-07	3.11E-07	5.99E-07	2.50E-07	2.75E-07	5.25E-07	3.02E-08	4.46E-08	7.48E-08	2.63E-08	2.75E-08	5.38E-08
2031	566818.85	4216779.81	2.96E-07	3.20E-07	6.16E-07	2.57E-07	2.83E-07	5.40E-07	3.11E-08	4.59E-08	7.69E-08	2.71E-08	2.82E-08	5.53E-08
2032	566813.13	4216787.7	3.04E-07	3.28E-07	6.32E-07	2.64E-07	2.90E-07	5.54E-07	3.19E-08	4.70E-08	7.89E-08	2.77E-08	2.89E-08	5.67E-08
2033	566886.4	4216673.25	1.73E-07	1.86E-07	3.59E-07	1.50E-07	1.65E-07	3.14E-07	1.81E-08	2.67E-08	4.48E-08	1.58E-08	1.64E-08	3.22E-08
2034	566921.92	4216642.84	1.44E-07	1.55E-07	3.00E-07	1.25E-07	1.38E-07	2.63E-07	1.51E-08	2.23E-08	3.74E-08	1.32E-08	1.37E-08	2.69E-08
2035	566929.03	4216636.76	1.39E-07	1.50E-07	2.89E-07	1.20E-07	1.33E-07	2.53E-07	1.46E-08	2.15E-08	3.60E-08	1.27E-08	1.32E-08	2.59E-08
2036	566936.13	4216630.68	1.34E-07	1.44E-07	2.78E-07	1.16E-07	1.28E-07	2.43E-07	1.40E-08	2.07E-08	3.47E-08	1.22E-08	1.27E-08	2.49E-08
2037	566943.24	4216624.6	1.28E-07	1.39E-07	2.67E-07	1.11E-07	1.23E-07	2.34E-07	1.35E-08	1.99E-08	3.34E-08	1.17E-08	1.22E-08	2.40E-08
2038	566950.34	4216618.52	1.24E-07	1.33E-07	2.57E-07	1.07E-07	1.18E-07	2.25E-07	1.30E-08	1.91E-08	3.21E-08	1.13E-08	1.18E-08	2.31E-08
2039	566957.44	4216612.44	1.19E-07	1.28E-07	2.47E-07	1.03E-07	1.14E-07	2.17E-07	1.25E-08	1.84E-08	3.09E-08	1.09E-08	1.13E-08	2.22E-08
2040	566964.55	4216606.36	1.14E-07	1.23E-07	2.38E-07	9.92E-08	1.09E-07	2.08E-07	1.20E-08	1.77E-08	2.97E-08	1.04E-08	1.09E-08	2.13E-08
2041	566980.75	4216598.09	1.08E-07	1.17E-07	2.25E-07	9.40E-08	1.03E-07	1.97E-07	1.14E-08	1.68E-08	2.81E-08	9.90E-09	1.03E-08	2.02E-08
2042	567008.02	4216591.54	1.04E-07	1.12E-07	2.16E-07	8.99E-08	9.90E-08	1.89E-07	1.09E-08	1.60E-08	2.69E-08	9.47E-09	9.88E-09	1.93E-08
2043	567017.11	4216589.35	1.02E-07	1.10E-07	2.13E-07	8.88E-08	9.78E-08	1.87E-07	1.07E-08	1.58E-08	2.66E-08	9.35E-09	9.76E-09	1.91E-08
2044	567026.21	4216587.16	1.01E-07	1.09E-07	2.10E-07	8.77E-08	9.66E-08	1.84E-07	1.06E-08	1.56E-08	2.63E-08	9.23E-09	9.64E-09	1.89E-08
2045	567035.3	4216584.98	9.98E-08	1.08E-07	2.08E-07	8.66E-08	9.53E-08	1.82E-07	1.05E-08	1.54E-08	2.59E-08	9.12E-09	9.51E-09	1.86E-08
2046	567044.39	4216582.79	9.86E-08	1.06E-07	2.05E-07	8.56E-08	9.42E-08	1.80E-07	1.03E-08	1.53E-08	2.56E-08	9.01E-09	9.40E-09	1.84E-08
2047	567053.48	4216580.6	9.75E-08	1.05E-07	2.03E-07	8.46E-08	9.31E-08	1.78E-07	1.02E-08	1.51E-08	2.53E-08	8.90E-09	9.29E-09	1.82E-08
2048	567062.57	4216578.42	9.65E-08	1.04E-07	2.01E-07	8.37E-08	9.22E-08	1.76E-07	1.01E-08	1.49E-08	2.51E-08	8.81E-09	9.20E-09	1.80E-08
2049	567071.67	4216576.23	9.56E-08	1.03E-07	1.99E-07	8.30E-08	9.13E-08	1.74E-07	1.00E-08	1.48E-08	2.48E-08	8.73E-09	9.11E-09	1.78E-08
2050	567080.76	4216574.05	9.48E-08	1.02E-07	1.97E-07	8.22E-08	9.05E-08	1.73E-07	9.94E-09	1.47E-08	2.46E-08	8.66E-09	9.03E-09	1.77E-08
2051	566879.3	4216679.33	1.78E-07	1.93E-07	3.71E-07	1.55E-07	1.70E-07	3.25E-07	1.87E-08	2.76E-08	4.63E-08	1.63E-08	1.70E-08	3.33E-08
2052	566873.58	4216687.21	1.87E-07	2.02E-07	3.88E-07	1.62E-07	1.78E-07	3.40E-07	1.96E-08	2.89E-08	4.85E-08	1.71E-08	1.78E-08	3.49E-08
2053	566867.87	4216695.1	1.95E-07	2.11E-07	4.06E-07	1.69E-07	1.86E-07	3.56E-07	2.05E-08	3.02E-08	5.07E-08	1.78E-08	1.86E-08	3.64E-08
2054	566862.16	4216702.98	2.04E-07	2.20E-07	4.24E-07	1.77E-07	1.95E-07	3.71E-07	2.14E-08	3.15E-08	5.29E-08	1.86E-08	1.94E-08	3.80E-08
2055	566856.45	4216710.87	2.13E-07	2.29E-07	4.42E-07	1.84E-07	2.03E-07	3.87E-07	2.23E-08	3.29E-08	5.52E-08	1.94E-08	2.03E-08	3.97E-08
2056	566850.73	4216718.75	2.21E-07	2.39E-07	4.61E-07	1.92E-07	2.12E-07	4.04E-07	2.32E-08	3.43E-08	5.75E-08	2.02E-08	2.11E-08	4.13E-08
2057	566845.02	4216726.64	2.3E-07	2.49E-07	4.79E-07	2.00E-07	2.20E-07	4.20E-07	2.42E-08	3.57E-08	5.98E-08	2.10E-08	2.20E-08	4.30E-08
2058	566827.89	4216750.29	2.57E-07	2.77E-07	5.34E-07	2.23E-07	2.45E-07	4.68E-07	2.69E-08	3.97E-08	6.67E-08	2.34E-08	2.45E-08	4.79E-08
2059	566822.17	4216758.18	2.65E-07	2.86E-07	5.51E-07	2.30E-07	2.53E-07	4.83E-07	2.78E-08	4.10E-08	6.88E-08	2.42E-08	2.53E-08	4.95E-08
2060	566816.46	4216766.06	2.73E-07	2.95E-07	5.68E-07	2.37E-07	2.61E-07	4.98E-07	2.86E-08	4.23E-08	7.09E-08	2.49E-08	2.60E-08	5.10E-08
2061	566810.75	4216773.95	2.81E-07	3.03E-07	5.83E-07	2.43E-07	2.68E-07	5.11E-07	2.94E-08	4.34E-08	7.28E-08	2.56E-08	2.67E-08	5.24E-08
2062	566805.04	4216781.83	2.88E-07	3.10E-07	5.98E-07	2.49E-07	2.75E-07	5.24E-07	3.02E-08	4.45E-08	7.47E-08	2.63E-08	2.74E-08	5.37E-08
2063	566799.32	4216789.72	2.94E-07	3.17E-07	6.11E-07	2.55E-07	2.81E-07	5.36E-07	3.08E-08	4.55E-08	7.63E-08	2.69E-08	2.80E-08	5.49E-08
2064	566793.61	4216797.6	3E-07	3.23E-07	6.23E-07	2.60E-07	2.86E-07	5.46E-07	3.14E-08	4.64E-08	7.78E-08	2.74E-08	2.86E-08	5.59E-08
2065	566900.71	4216648.2	1.48E-07	1.60E-07	3.09E-07	1.29E-07	1.42E-07	2.70E-07	1.56E-08	2.30E-08	3.85E-08	1.36E-08	1.41E-08	2.77E-08
2066	566922.84	4216629.26	1.33E-07	1.43E-07	2.76E-07	1.15E-07	1.27E-07	2.42E-07	1.39E-08	2.05E-08	3.44E-08	1.21E-08	1.26E-08	2.48E-08
2067	566930.22	4216622.94	1.28E-07	1.38E-07	2.66E-07	1.11E-07	1.22E-07	2.33E-07	1.34E-08	1.98E-08	3.32E-08	1.17E-08	1.22E-08	2.38E-08
2068	566937.6	4216616.63	1.23E-07	1.33E-07	2.55E-07	1.07E-07	1.17E-07	2.24E-07	1.29E-08	1.90E-08	3.19E-08	1.12E-08	1.17E-08	2.29E-08
2069	566944.97	4216610.32	1.18E-07	1.27E-07	2.46E-07	1.02E-07	1.13E-07	2.15E-07	1.24E-08	1.83E-08	3.07E-08	1.08E-08	1.13E-08	2.20E-08
2070	566952.35	4216604	1.13E-07	1.23E-07	2.36E-07	9.85E-08	1.08E-07	2.07E-07	1.19E-08	1.76E-08	2.95E-08	1.04E-08	1.08E-08	2.12E-08
2071	566959.73	4216597.69	1.09E-07	1.18E-07	2.27E-07	9.47E-08	1.04E-07	1.99E-07	1.14E-08	1.69E-08	2.83E-08	9.97E-09	1.04E-08	2.04E-08
2072	566976.55	4216589.1	1.03E-07	1.11E-07	2.15E-07	8.96E-08	9.86E-08	1.88E-07	1.08E-08	1.60E-08	2.68E-08	9.43E-09	9.84E-09	1.93E-08
2073	567004.87	4216582.29	9.87E-08	1.07E-07	2.05E-07	8.56E-08	9.43E-08	1.80E-07	1.04E-08	1.53E-08	2.56E-08	9.02E-09	9.41E-09	1.84E-08
2074	567014.32	4216580.02	9.75E-08	1.05E-07	2.03E-07	8.46E-08	9.31E-08	1.78E-07	1.02E-08	1.51E-08	2.53E-08	8.90E-09	9.29E-09	1.82E-08
2075	567023.76	4216577.75	9.63E-08	1.04E-07	2.00E-07	8.36E-08	9.20E-08	1.76E-07	1.01E-08	1.49E-08	2.50E-08	8.80E-09	9.18E-09	1.80E-08

2076	567033.2	4216575.48	9.51E-08	1.03E-07	1.98E-07	8.25E-08	9.08E-08	1.73E-07	9.97E-09	1.47E-08	2.47E-08	8.68E-09	9.06E-09	1.77E-08
2077	567042.64	4216573.21	9.39E-08	1.01E-07	1.95E-07	8.15E-08	8.97E-08	1.71E-07	9.85E-09	1.45E-08	2.44E-08	8.58E-09	8.95E-09	1.75E-08
2078	567052.08	4216570.94	9.28E-08	1.00E-07	1.93E-07	8.05E-08	8.87E-08	1.69E-07	9.74E-09	1.44E-08	2.41E-08	8.48E-09	8.85E-09	1.73E-08
2079	567061.52	4216568.67	9.19E-08	9.92E-08	1.91E-07	7.97E-08	8.78E-08	1.68E-07	9.64E-09	1.42E-08	2.39E-08	8.39E-09	8.76E-09	1.72E-08
2080	567070.97	4216566.4	9.1E-08	9.83E-08	1.89E-07	7.90E-08	8.69E-08	1.66E-07	9.55E-09	1.41E-08	2.36E-08	8.31E-09	8.68E-09	1.70E-08
2081	567080.41	4216564.13	9.02E-08	9.74E-08	1.88E-07	7.83E-08	8.62E-08	1.64E-07	9.46E-09	1.40E-08	2.34E-08	8.24E-09	8.60E-09	1.68E-08
2082	566865.48	4216681.34	1.79E-07	1.93E-07	3.72E-07	1.55E-07	1.71E-07	3.26E-07	1.87E-08	2.77E-08	4.64E-08	1.63E-08	1.70E-08	3.34E-08
2083	566859.77	4216689.23	1.87E-07	2.01E-07	3.88E-07	1.62E-07	1.78E-07	3.40E-07	1.96E-08	2.89E-08	4.84E-08	1.70E-08	1.78E-08	3.48E-08
2084	566854.06	4216697.11	1.95E-07	2.10E-07	4.05E-07	1.69E-07	1.86E-07	3.55E-07	2.04E-08	3.01E-08	5.05E-08	1.78E-08	1.85E-08	3.63E-08
2085	566848.35	4216705	2.03E-07	2.19E-07	4.22E-07	1.76E-07	1.94E-07	3.70E-07	2.13E-08	3.14E-08	5.26E-08	1.85E-08	1.93E-08	3.78E-08
2086	566842.64	4216712.88	2.11E-07	2.28E-07	4.39E-07	1.83E-07	2.02E-07	3.85E-07	2.21E-08	3.27E-08	5.48E-08	1.93E-08	2.01E-08	3.94E-08
2087	566825.5	4216736.54	2.36E-07	2.54E-07	4.90E-07	2.04E-07	2.25E-07	4.30E-07	2.47E-08	3.65E-08	6.12E-08	2.15E-08	2.25E-08	4.40E-08
2088	566819.79	4216744.42	2.44E-07	2.63E-07	5.07E-07	2.11E-07	2.33E-07	4.44E-07	2.56E-08	3.77E-08	6.33E-08	2.23E-08	2.32E-08	4.55E-08
2089	566814.07	4216752.31	2.52E-07	2.71E-07	5.23E-07	2.18E-07	2.40E-07	4.58E-07	2.64E-08	3.89E-08	6.53E-08	2.30E-08	2.40E-08	4.69E-08
2090	566808.36	4216760.19	2.59E-07	2.80E-07	5.39E-07	2.25E-07	2.47E-07	4.72E-07	2.72E-08	4.01E-08	6.73E-08	2.37E-08	2.47E-08	4.83E-08
2091	566802.65	4216768.08	2.66E-07	2.87E-07	5.53E-07	2.31E-07	2.54E-07	4.85E-07	2.79E-08	4.12E-08	6.91E-08	2.43E-08	2.54E-08	4.97E-08
2092	566796.94	4216775.96	2.73E-07	2.94E-07	5.67E-07	2.37E-07	2.60E-07	4.97E-07	2.86E-08	4.22E-08	7.08E-08	2.49E-08	2.60E-08	5.09E-08
2093	566791.23	4216783.85	2.79E-07	3.01E-07	5.80E-07	2.42E-07	2.66E-07	5.08E-07	2.92E-08	4.31E-08	7.24E-08	2.55E-08	2.66E-08	5.20E-08
2094	566785.51	4216791.73	2.84E-07	3.07E-07	5.91E-07	2.47E-07	2.71E-07	5.18E-07	2.98E-08	4.40E-08	7.38E-08	2.60E-08	2.71E-08	5.31E-08
2095	566779.8	4216799.62	2.89E-07	3.12E-07	6.01E-07	2.51E-07	2.76E-07	5.27E-07	3.03E-08	4.47E-08	7.51E-08	2.64E-08	2.75E-08	5.39E-08
2096	566877.31	4216655.43	1.54E-07	1.66E-07	3.20E-07	1.34E-07	1.47E-07	2.81E-07	1.61E-08	2.38E-08	4.00E-08	1.41E-08	1.47E-08	2.87E-08
2097	566884.41	4216649.35	1.49E-07	1.61E-07	3.10E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.87E-08	1.36E-08	1.42E-08	2.78E-08
2098	566891.52	4216643.27	1.44E-07	1.55E-07	2.99E-07	1.25E-07	1.37E-07	2.62E-07	1.51E-08	2.23E-08	3.73E-08	1.31E-08	1.37E-08	2.68E-08
2099	566898.62	4216637.19	1.39E-07	1.50E-07	2.89E-07	1.20E-07	1.33E-07	2.53E-07	1.46E-08	2.15E-08	3.61E-08	1.27E-08	1.32E-08	2.59E-08
2100	566919.93	4216618.95	1.25E-07	1.35E-07	2.60E-07	1.08E-07	1.19E-07	2.28E-07	1.31E-08	1.93E-08	3.24E-08	1.14E-08	1.19E-08	2.33E-08
2101	566927.04	4216612.87	1.21E-07	1.30E-07	2.51E-07	1.05E-07	1.15E-07	2.20E-07	1.26E-08	1.87E-08	3.13E-08	1.10E-08	1.15E-08	2.25E-08
2102	566934.14	4216606.79	1.16E-07	1.25E-07	2.42E-07	1.01E-07	1.11E-07	2.12E-07	1.22E-08	1.80E-08	3.02E-08	1.06E-08	1.11E-08	2.17E-08
2103	566941.25	4216600.71	1.12E-07	1.21E-07	2.33E-07	9.71E-08	1.07E-07	2.04E-07	1.17E-08	1.73E-08	2.91E-08	1.02E-08	1.07E-08	2.09E-08
2104	566948.35	4216594.63	1.08E-07	1.16E-07	2.24E-07	9.36E-08	1.03E-07	1.97E-07	1.13E-08	1.67E-08	2.80E-08	9.85E-09	1.03E-08	2.01E-08
2105	566955.46	4216588.55	1.04E-07	1.12E-07	2.16E-07	9.02E-08	9.93E-08	1.89E-07	1.09E-08	1.61E-08	2.70E-08	9.49E-09	9.91E-09	1.94E-08
2106	566971.65	4216580.28	9.87E-08	1.07E-07	2.05E-07	8.56E-08	9.43E-08	1.80E-07	1.04E-08	1.53E-08	2.56E-08	9.01E-09	9.41E-09	1.84E-08
2107	566998.93	4216573.72	9.45E-08	1.02E-07	1.96E-07	8.20E-08	9.02E-08	1.72E-07	9.91E-09	1.46E-08	2.45E-08	8.63E-09	9.00E-09	1.76E-08
2108	567008.02	4216571.54	9.33E-08	1.01E-07	1.94E-07	8.10E-08	8.92E-08	1.70E-07	9.79E-09	1.44E-08	2.42E-08	8.53E-09	8.90E-09	1.74E-08
2109	567017.11	4216569.35	9.23E-08	9.96E-08	1.92E-07	8.01E-08	8.81E-08	1.68E-07	9.68E-09	1.43E-08	2.40E-08	8.43E-09	8.80E-09	1.72E-08
2110	567026.21	4216567.16	9.12E-08	9.85E-08	1.90E-07	7.92E-08	8.71E-08	1.66E-07	9.57E-09	1.41E-08	2.37E-08	8.33E-09	8.70E-09	1.70E-08
2111	567035.3	4216564.98	9.02E-08	9.73E-08	1.87E-07	7.82E-08	8.61E-08	1.64E-07	9.46E-09	1.40E-08	2.34E-08	8.24E-09	8.59E-09	1.68E-08
2112	567044.39	4216562.79	8.92E-08	9.63E-08	1.85E-07	7.74E-08	8.52E-08	1.63E-07	9.35E-09	1.38E-08	2.32E-08	8.15E-09	8.50E-09	1.66E-08
2113	567053.48	4216560.6	8.83E-08	9.53E-08	1.84E-07	7.66E-08	8.43E-08	1.61E-07	9.26E-09	1.37E-08	2.29E-08	8.06E-09	8.42E-09	1.65E-08
2114	567062.57	4216558.42	8.75E-08	9.44E-08	1.82E-07	7.59E-08	8.35E-08	1.59E-07	9.17E-09	1.35E-08	2.27E-08	7.99E-09	8.34E-09	1.63E-08
2115	567071.67	4216556.23	8.67E-08	9.36E-08	1.80E-07	7.52E-08	8.28E-08	1.58E-07	9.09E-09	1.34E-08	2.25E-08	7.92E-09	8.26E-09	1.62E-08
2116	567080.76	4216554.05	8.59E-08	9.28E-08	1.79E-07	7.46E-08	8.21E-08	1.57E-07	9.01E-09	1.33E-08	2.23E-08	7.85E-09	8.19E-09	1.60E-08
2117	566851.67	4216683.36	1.79E-07	1.93E-07	3.71E-07	1.55E-07	1.71E-07	3.25E-07	1.87E-08	2.76E-08	4.64E-08	1.63E-08	1.70E-08	3.33E-08
2118	566845.96	4216691.25	1.86E-07	2.01E-07	3.87E-07	1.61E-07	1.78E-07	3.39E-07	1.95E-08	2.88E-08	4.83E-08	1.70E-08	1.77E-08	3.47E-08
2119	566840.25	4216699.13	1.94E-07	2.09E-07	4.02E-07	1.68E-07	1.85E-07	3.53E-07	2.03E-08	3.00E-08	5.03E-08	1.77E-08	1.84E-08	3.61E-08
2120	566823.11	4216722.79	2.17E-07	2.34E-07	4.51E-07	1.88E-07	2.07E-07	3.95E-07	2.27E-08	3.35E-08	5.63E-08	1.98E-08	2.07E-08	4.04E-08
2121	566817.4	4216730.67	2.24E-07	2.42E-07	4.66E-07	1.95E-07	2.14E-07	4.09E-07	2.35E-08	3.47E-08	5.82E-08	2.05E-08	2.14E-08	4.19E-08
2122	566811.69	4216738.56	2.32E-07	2.50E-07	4.82E-07	2.01E-07	2.21E-07	4.22E-07	2.43E-08	3.59E-08	6.02E-08	2.12E-08	2.21E-08	4.33E-08
2123	566805.98	4216746.44	2.39E-07	2.58E-07	4.97E-07	2.07E-07	2.28E-07	4.36E-07	2.51E-08	3.70E-08	6.21E-08	2.18E-08	2.28E-08	4.46E-08
2124	566800.26	4216754.33	2.46E-07	2.66E-07	5.12E-07	2.14E-07	2.35E-07	4.49E-07	2.58E-08	3.81E-08	6.39E-08	2.25E-08	2.35E-08	4.59E-08
2125	566794.55	4216762.21	2.53E-07	2.73E-07	5.26E-07	2.19E-07	2.41E-07	4.61E-07	2.65E-08	3.91E-08	6.56E-08	2.31E-08	2.41E-08	4.72E-08
2126	566788.84	4216770.1	2.59E-07	2.80E-07	5.39E-07	2.25E-07	2.47E-07	4.72E-07	2.72E-08	4.01E-08	6.73E-08	2.37E-08	2.47E-08	4.83E-08
2127	566783.13	4216777.98	2.65E-07	2.86E-07	5.51E-07	2.30E-07	2.53E-07	4.83E-07	2.78E-08	4.10E-08	6.88E-08	2.42E-08	2.52E-08	4.94E-08
2128	566777.42	4216785.87	2.7E-07	2.91E-07	5.61E-07	2.34E-07	2.58E-07	4.92E-07	2.83E-08	4.18E-08	7.01E-08	2.47E-08	2.57E-08	5.04E-08
2129	566771.7	4216793.75	2.75E-07	2.96E-07	5.71E-07	2.38E-07	2.62E-07	5.01E-07	2.88E-08	4.25E-08	7.13E-08	2.51E-08	2.62E-08	5.13E-08
2130	566765.99	4216801.64	2.79E-07	3.01E-07	5.79E-07	2.42E-07	2.66E-07	5.08E-07	2.92E-08	4.31E-08	7.23E-08	2.54E-08	2.66E-08	5.20E-08
2131	566862.36	4216655.43	1.53E-07	1.65E-07	3.18E-07	1.32E-07	1.46E-07	2.78E-07	1.60E-08	2.36E-08	3.96E-08	1.39E-08	1.46E-08	2.85E-08
2132	566869.72	4216649.13	1.48E-07	1.60E-07	3.07E-07	1.28E-07	1.41E-07	2.69E-07	1.55E-08	2.29E-08	3.84E-08	1.35E-08	1.41E-08	2.76E-08
2133	566877.08	4216642.83	1.43E-07	1.54E-07	2.97E-07	1.24E-07	1.37E-07	2.61E-07	1.50E-08	2.21E-08	3.71E-08	1.31E-08	1.36E-08	2.67E-08
2134	566884.43	4216636.53	1.38E-07	1.49E-07	2.87E-07	1.20E-07	1.32E-07	2.52E-07	1.45E-08	2.14E-08	3.59E-08	1.26E-08	1.32E-08	2.58E-08
2135	566891.79	4216630.24	1.33E-07	1.44E-07	2.77E-07	1.16E-07	1.27E-07	2.43E-07	1.40E-08	2.06E-08	3.46E-08	1.22E-08	1.27E-08	2.49E-08
2136	566913.87	4216611.34	1.2E-07	1.29E-07	2.49E-07	1.04E-07	1.14E-07	2.18E-07	1.26E-08	1.85E-08	3.11E-08	1.09E-08	1.14E-08	2.23E-08
2137	566921.22	4216605.05	1.15E-07	1.25E-07	2.40E-07	1.00E-07	1.10E-07	2.10E-07	1.21E-08	1.79E-08	3.00E-08	1.05E-08	1.10E-08	2.15E-08
2138	566928.58	4216598.75	1.11E-07	1.20E-07	2.31E-07	9.65E-08	1.06E-07	2.03E-07	1.17E-08	1.72E-08	2.89E-08	1.02E-08	1.06E-08	2.08E-08
2139	566935.94	4216592.45	1.07E-07	1.16E-07	2.23E-07	9.29E-08	1.02E-07	1.95E-07	1.12E-08	1.66E-08	2.78E-08	9.78E-09	1.02E-08	2.00E-08
2140	566943.3	4216586.15	1.03E-07	1.11E-07	2.15E-07	8.95E-08	9.85E-08	1.88E-07	1.08E-08	1.60E-08	2.68E-08	9.42E-09	9.83E-09	1.93E-08
2141	566950.66	4216579.86	9.94E-08	1.07E-07	2.07E-07	8.62E-08	9.49E-08	1.81E-07	1.04E-08	1.54E-08	2.58E-08	9.08E-09	9.47E-09	1.86E-08
2142	566967.43	4216571.29	9.43E-08	1.02E-07	1.96E-07	8.18E-08	9.01E-08	1.72E-07	9.89E-09	1.46E-08	2.45E-08	8.62E-09	8.99E-09	1.76E-08
2143	566976.85	4216569.03	9.29E-08	1.00E-07	1.93E-07	8.06E-08	8.87E-08	1.69E-07	9.74E-09	1.44E-08	2.41E-08	8.48E-09	8.85E-09	1.73E-08
2144	566995.68	4216564.5	9.02E-08	9.74E-08	1.88E-07	7.83E-08	8.62E-08	1.64E-07	9.46E-09	1.40E-08	2.34E-08	8.24E-09	8.60E-09	1.68E-08
2145	567005.1	4216562.24	8.91E-08	9.62E-08	1.85E-07	7.73E-08	8.51E-08	1.62E-07	9.35E-09	1.38E-08	2.31E-08	8.14E-09	8.50E-09	1.66E-08
2146	567014.52	4216559.97	8.81E-08	9.51E-08	1.83E-07	7.64E-08	8.41E-08	1.61E-07	9.24E-09	1.36E-08	2.29E-08	8.05E-09	8.39E-09	1.64E-08
2147	567023.93	4216557.71	8.71E-08	9.40E-08	1.81E-07	7.56E-08	8.32E-08	1.59E-07	9.13E-09	1.35E-08	2.26E-08	7.95E-09	8.30E-09	1.63E-08
2148	567033.35	4216555.45	8.61E-08	9.29E-08	1.79E-07	7.47E-08	8.22E-08	1.57E-07	9.03E-09	1.33E-08	2.24E-08	7.86E-09	8.21E-09	1.61E-08
2149	567042.77	4216553.18	8.52E-08	9.19E-08	1.77E-07	7.39E-08	8.14E-08	1.55E-07	8.93E-09	1.32E-08	2.21E-08	7.78E-09	8.12E-09	1.59E-08
2150	567052.18	4216550.92	8.43E-08	9.10E-08	1.75E-07	7.32E-08	8.06E-08	1.54E-07	8.85E-09	1.31E-08	2.19E-08	7.70E-09	8.04E-09	1.57E-08
2151	567061.6	4216548.65	8.35E-08	9.02E-08	1.74E-07	7.25E-08	7.98E-08	1.52E-07	8.76E-09	1.29E-08	2.17E-08	7.63E-09	7.96E-09	1.56E-08
2152	567071.02	4216546.39	8.28E-08	8.93E-08	1.72E-07	7.18E-08	7.91E-08	1.51E-07	8.68E-09	1.28E-08	2.15E-08	7.56E-09	7.89E-09	1.54E-08

2153	567080.43	4216544.12	8.2E-08	8.86E-08	1.71E-07	7.12E-08	7.84E-08	1.50E-07	8.61E-09	1.27E-08	2.13E-08	7.49E-09	7.82E-09	1.53E-08
2154	566855	4216661.73	1.58E-07	1.70E-07	3.28E-07	1.37E-07	1.51E-07	2.87E-07	1.65E-08	2.44E-08	4.09E-08	1.44E-08	1.50E-08	2.94E-08
2155	566837.86	4216685.38	1.78E-07	1.92E-07	3.70E-07	1.54E-07	1.70E-07	3.24E-07	1.87E-08	2.76E-08	4.62E-08	1.63E-08	1.70E-08	3.32E-08
2156	566820.73	4216709.04	1.99E-07	2.15E-07	4.15E-07	1.73E-07	1.90E-07	3.63E-07	2.09E-08	3.09E-08	5.18E-08	1.82E-08	1.90E-08	3.72E-08
2157	566815.02	4216716.92	2.07E-07	2.23E-07	4.30E-07	1.79E-07	1.97E-07	3.77E-07	2.17E-08	3.20E-08	5.36E-08	1.89E-08	1.97E-08	3.86E-08
2158	566809.3	4216724.81	2.14E-07	2.31E-07	4.44E-07	1.85E-07	2.04E-07	3.90E-07	2.24E-08	3.31E-08	5.55E-08	1.95E-08	2.04E-08	3.99E-08
2159	566803.59	4216732.69	2.21E-07	2.38E-07	4.59E-07	1.92E-07	2.11E-07	4.02E-07	2.32E-08	3.42E-08	5.73E-08	2.02E-08	2.10E-08	4.12E-08
2160	566797.88	4216740.58	2.28E-07	2.46E-07	4.73E-07	1.97E-07	2.17E-07	4.15E-07	2.39E-08	3.52E-08	5.91E-08	2.08E-08	2.17E-08	4.25E-08
2161	566792.17	4216748.46	2.34E-07	2.53E-07	4.87E-07	2.03E-07	2.24E-07	4.27E-07	2.46E-08	3.62E-08	6.08E-08	2.14E-08	2.23E-08	4.37E-08
2162	566786.45	4216756.35	2.4E-07	2.60E-07	5.00E-07	2.09E-07	2.30E-07	4.38E-07	2.52E-08	3.72E-08	6.24E-08	2.20E-08	2.29E-08	4.49E-08
2163	566780.74	4216764.23	2.46E-07	2.66E-07	5.12E-07	2.14E-07	2.35E-07	4.49E-07	2.58E-08	3.81E-08	6.40E-08	2.25E-08	2.35E-08	4.60E-08
2164	566775.03	4216772.12	2.52E-07	2.72E-07	5.24E-07	2.19E-07	2.41E-07	4.59E-07	2.64E-08	3.90E-08	6.54E-08	2.30E-08	2.40E-08	4.70E-08
2165	566769.32	4216780	2.57E-07	2.77E-07	5.34E-07	2.23E-07	2.45E-07	4.68E-07	2.69E-08	3.98E-08	6.67E-08	2.35E-08	2.45E-08	4.79E-08
2166	566763.61	4216787.89	2.61E-07	2.82E-07	5.43E-07	2.27E-07	2.50E-07	4.76E-07	2.74E-08	4.04E-08	6.78E-08	2.39E-08	2.49E-08	4.88E-08
2167	566757.89	4216795.77	2.65E-07	2.86E-07	5.51E-07	2.30E-07	2.53E-07	4.83E-07	2.78E-08	4.10E-08	6.88E-08	2.42E-08	2.53E-08	4.95E-08
2168	566854.01	4216649.78	1.47E-07	1.59E-07	3.06E-07	1.28E-07	1.40E-07	2.68E-07	1.54E-08	2.28E-08	3.82E-08	1.34E-08	1.40E-08	2.74E-08
2169	566861.11	4216643.7	1.43E-07	1.54E-07	2.97E-07	1.24E-07	1.36E-07	2.60E-07	1.50E-08	2.21E-08	3.70E-08	1.30E-08	1.36E-08	2.66E-08
2170	566868.22	4216637.62	1.38E-07	1.49E-07	2.87E-07	1.20E-07	1.32E-07	2.52E-07	1.45E-08	2.14E-08	3.59E-08	1.26E-08	1.32E-08	2.58E-08
2171	566875.32	4216631.54	1.34E-07	1.45E-07	2.78E-07	1.16E-07	1.28E-07	2.44E-07	1.40E-08	2.07E-08	3.48E-08	1.22E-08	1.28E-08	2.50E-08
2172	566882.42	4216625.46	1.3E-07	1.40E-07	2.69E-07	1.12E-07	1.24E-07	2.36E-07	1.36E-08	2.01E-08	3.37E-08	1.18E-08	1.24E-08	2.42E-08
2173	566889.53	4216619.38	1.25E-07	1.35E-07	2.61E-07	1.09E-07	1.20E-07	2.28E-07	1.31E-08	1.94E-08	3.25E-08	1.14E-08	1.19E-08	2.34E-08
2174	566910.84	4216601.13	1.13E-07	1.22E-07	2.35E-07	9.82E-08	1.08E-07	2.06E-07	1.19E-08	1.75E-08	2.94E-08	1.03E-08	1.08E-08	2.11E-08
2175	566917.95	4216595.05	1.09E-07	1.18E-07	2.27E-07	9.48E-08	1.04E-07	1.99E-07	1.15E-08	1.69E-08	2.84E-08	9.98E-09	1.04E-08	2.04E-08
2176	566925.05	4216588.97	1.06E-07	1.14E-07	2.19E-07	9.16E-08	1.01E-07	1.92E-07	1.11E-08	1.63E-08	2.74E-08	9.64E-09	1.01E-08	1.97E-08
2177	566932.16	4216582.89	1.02E-07	1.10E-07	2.12E-07	8.83E-08	9.73E-08	1.86E-07	1.07E-08	1.58E-08	2.64E-08	9.30E-09	9.70E-09	1.90E-08
2178	566939.26	4216576.81	9.83E-08	1.06E-07	2.04E-07	8.53E-08	9.39E-08	1.79E-07	1.03E-08	1.52E-08	2.55E-08	8.98E-09	9.37E-09	1.83E-08
2179	566946.36	4216570.73	9.49E-08	1.02E-07	1.97E-07	8.24E-08	9.07E-08	1.73E-07	9.96E-09	1.47E-08	2.47E-08	8.67E-09	9.05E-09	1.77E-08
2180	566962.56	4216562.47	9.04E-08	9.75E-08	1.88E-07	7.84E-08	8.63E-08	1.65E-07	9.48E-09	1.40E-08	2.35E-08	8.25E-09	8.61E-09	1.69E-08
2181	566971.65	4216560.28	8.91E-08	9.61E-08	1.85E-07	7.73E-08	8.51E-08	1.62E-07	9.34E-09	1.38E-08	2.31E-08	8.14E-09	8.49E-09	1.66E-08
2182	566989.84	4216555.91	8.67E-08	9.35E-08	1.80E-07	7.52E-08	8.28E-08	1.58E-07	9.09E-09	1.34E-08	2.25E-08	7.92E-09	8.26E-09	1.62E-08
2183	566998.93	4216553.72	8.56E-08	9.24E-08	1.78E-07	7.43E-08	8.18E-08	1.56E-07	8.98E-09	1.32E-08	2.22E-08	7.82E-09	8.16E-09	1.60E-08
2184	567008.02	4216551.54	8.46E-08	9.13E-08	1.76E-07	7.34E-08	8.08E-08	1.54E-07	8.87E-09	1.31E-08	2.20E-08	7.73E-09	8.06E-09	1.58E-08
2185	567017.11	4216549.35	8.37E-08	9.03E-08	1.74E-07	7.26E-08	7.99E-08	1.52E-07	8.77E-09	1.29E-08	2.17E-08	7.64E-09	7.97E-09	1.56E-08
2186	567026.21	4216547.16	8.28E-08	8.93E-08	1.72E-07	7.18E-08	7.91E-08	1.51E-07	8.68E-09	1.28E-08	2.15E-08	7.56E-09	7.89E-09	1.54E-08
2187	567035.3	4216544.98	8.19E-08	8.84E-08	1.70E-07	7.11E-08	7.83E-08	1.49E-07	8.59E-09	1.27E-08	2.13E-08	7.48E-09	7.81E-09	1.53E-08
2188	567044.39	4216542.79	8.11E-08	8.76E-08	1.69E-07	7.04E-08	7.75E-08	1.48E-07	8.51E-09	1.26E-08	2.11E-08	7.41E-09	7.73E-09	1.51E-08
2189	567053.48	4216540.6	8.04E-08	8.68E-08	1.67E-07	6.98E-08	7.68E-08	1.47E-07	8.44E-09	1.24E-08	2.09E-08	7.35E-09	7.67E-09	1.50E-08
2190	567062.57	4216538.42	7.97E-08	8.60E-08	1.66E-07	6.92E-08	7.61E-08	1.45E-07	8.36E-09	1.23E-08	2.07E-08	7.28E-09	7.60E-09	1.49E-08
2191	567071.67	4216536.23	7.91E-08	8.53E-08	1.64E-07	6.86E-08	7.55E-08	1.44E-07	8.29E-09	1.22E-08	2.05E-08	7.22E-09	7.54E-09	1.48E-08
2192	567080.76	4216534.05	7.85E-08	8.47E-08	1.63E-07	6.81E-08	7.49E-08	1.43E-07	8.23E-09	1.21E-08	2.04E-08	7.17E-09	7.48E-09	1.46E-08
2193	566846.9	4216655.86	1.51E-07	1.63E-07	3.15E-07	1.31E-07	1.45E-07	2.76E-07	1.59E-08	2.34E-08	3.93E-08	1.38E-08	1.44E-08	2.83E-08
2194	566841.19	4216663.74	1.58E-07	1.70E-07	3.28E-07	1.37E-07	1.51E-07	2.87E-07	1.65E-08	2.44E-08	4.10E-08	1.44E-08	1.50E-08	2.94E-08
2195	566818.34	4216695.28	1.84E-07	1.98E-07	3.82E-07	1.59E-07	1.76E-07	3.35E-07	1.93E-08	2.85E-08	4.77E-08	1.68E-08	1.75E-08	3.43E-08
2196	566812.63	4216703.17	1.91E-07	2.06E-07	3.96E-07	1.65E-07	1.82E-07	3.47E-07	2.00E-08	2.95E-08	4.95E-08	1.74E-08	1.82E-08	3.56E-08
2197	566806.92	4216711.05	1.97E-07	2.13E-07	4.10E-07	1.71E-07	1.88E-07	3.60E-07	2.07E-08	3.05E-08	5.12E-08	1.80E-08	1.88E-08	3.68E-08
2198	566801.2	4216718.94	2.04E-07	2.20E-07	4.24E-07	1.77E-07	1.95E-07	3.72E-07	2.14E-08	3.16E-08	5.30E-08	1.86E-08	1.94E-08	3.81E-08
2199	566795.49	4216726.82	2.11E-07	2.27E-07	4.38E-07	1.83E-07	2.01E-07	3.84E-07	2.21E-08	3.26E-08	5.47E-08	1.92E-08	2.01E-08	3.93E-08
2200	566789.78	4216734.71	2.17E-07	2.34E-07	4.51E-07	1.88E-07	2.07E-07	3.95E-07	2.28E-08	3.36E-08	5.63E-08	1.98E-08	2.07E-08	4.05E-08
2201	566784.07	4216742.59	2.23E-07	2.41E-07	4.64E-07	1.94E-07	2.13E-07	4.07E-07	2.34E-08	3.45E-08	5.79E-08	2.04E-08	2.13E-08	4.17E-08
2202	566778.36	4216750.48	2.29E-07	2.47E-07	4.76E-07	1.99E-07	2.19E-07	4.18E-07	2.40E-08	3.55E-08	5.95E-08	2.09E-08	2.18E-08	4.28E-08
2203	566772.64	4216758.36	2.35E-07	2.53E-07	4.88E-07	2.04E-07	2.24E-07	4.28E-07	2.46E-08	3.63E-08	6.09E-08	2.14E-08	2.24E-08	4.38E-08
2204	566766.93	4216766.25	2.4E-07	2.59E-07	4.99E-07	2.08E-07	2.29E-07	4.37E-07	2.52E-08	3.71E-08	6.23E-08	2.19E-08	2.29E-08	4.48E-08
2205	566761.22	4216774.13	2.45E-07	2.64E-07	5.09E-07	2.12E-07	2.34E-07	4.46E-07	2.57E-08	3.79E-08	6.35E-08	2.23E-08	2.33E-08	4.57E-08
2206	566755.51	4216782.02	2.49E-07	2.69E-07	5.18E-07	2.16E-07	2.38E-07	4.54E-07	2.61E-08	3.85E-08	6.46E-08	2.27E-08	2.37E-08	4.65E-08
2207	566749.79	4216789.9	2.53E-07	2.73E-07	5.25E-07	2.19E-07	2.41E-07	4.60E-07	2.65E-08	3.91E-08	6.56E-08	2.31E-08	2.41E-08	4.71E-08
2208	566846.15	4216643.71	1.41E-07	1.53E-07	2.94E-07	1.23E-07	1.35E-07	2.58E-07	1.48E-08	2.19E-08	3.67E-08	1.29E-08	1.35E-08	2.64E-08
2209	566853.49	4216637.43	1.37E-07	1.48E-07	2.85E-07	1.19E-07	1.31E-07	2.50E-07	1.44E-08	2.12E-08	3.56E-08	1.25E-08	1.31E-08	2.56E-08
2210	566860.83	4216631.14	1.33E-07	1.43E-07	2.76E-07	1.15E-07	1.27E-07	2.42E-07	1.39E-08	2.06E-08	3.45E-08	1.21E-08	1.27E-08	2.48E-08
2211	566868.17	4216624.86	1.29E-07	1.39E-07	2.68E-07	1.12E-07	1.23E-07	2.35E-07	1.35E-08	1.99E-08	3.34E-08	1.18E-08	1.23E-08	2.40E-08
2212	566875.51	4216618.58	1.25E-07	1.35E-07	2.59E-07	1.08E-07	1.19E-07	2.27E-07	1.31E-08	1.93E-08	3.24E-08	1.14E-08	1.19E-08	2.33E-08
2213	566882.85	4216612.29	1.21E-07	1.30E-07	2.51E-07	1.05E-07	1.15E-07	2.20E-07	1.26E-08	1.87E-08	3.13E-08	1.10E-08	1.15E-08	2.25E-08
2214	566890.19	4216606.01	1.17E-07	1.26E-07	2.42E-07	1.01E-07	1.11E-07	2.12E-07	1.22E-08	1.80E-08	3.03E-08	1.06E-08	1.11E-08	2.17E-08
2215	566912.22	4216587.16	1.05E-07	1.13E-07	2.18E-07	9.10E-08	1.00E-07	1.91E-07	1.10E-08	1.62E-08	2.73E-08	9.59E-09	1.00E-08	1.96E-08
2216	566919.56	4216580.88	1.01E-07	1.09E-07	2.11E-07	8.79E-08	9.67E-08	1.85E-07	1.06E-08	1.57E-08	2.63E-08	9.25E-09	9.65E-09	1.89E-08
2217	566926.9	4216574.59	9.77E-08	1.05E-07	2.03E-07	8.47E-08	9.33E-08	1.78E-07	1.02E-08	1.51E-08	2.54E-08	8.92E-09	9.31E-09	1.82E-08
2218	566934.24	4216568.31	9.42E-08	1.02E-07	1.96E-07	8.18E-08	9.00E-08	1.72E-07	9.88E-09	1.46E-08	2.45E-08	8.61E-09	8.98E-09	1.76E-08
2219	566941.58	4216562.03	9.1E-08	9.82E-08	1.89E-07	7.90E-08	8.69E-08	1.66E-07	9.55E-09	1.41E-08	2.36E-08	8.31E-09	8.67E-09	1.70E-08
2220	566958.32	4216553.49	8.66E-08	9.34E-08	1.80E-07	7.51E-08	8.27E-08	1.58E-07	9.08E-09	1.34E-08	2.25E-08	7.91E-09	8.25E-09	1.62E-08
2221	566967.71	4216551.23	8.53E-08	9.21E-08	1.77E-07	7.40E-08	8.15E-08	1.55E-07	8.95E-09	1.32E-08	2.22E-08	7.79E-09	8.13E-09	1.59E-08
2222	566986.5	4216546.71	8.3E-08	8.96E-08	1.73E-07	7.20E-08	7.93E-08	1.51E-07	8.71E-09	1.29E-08	2.16E-08	7.58E-09	7.91E-09	1.55E-08
2223	566995.9	4216544.45	8.2E-08	8.85E-08	1.70E-07	7.11E-08	7.83E-08	1.49E-07	8.60E-09	1.27E-08	2.13E-08	7.49E-09	7.81E-09	1.53E-08
2224	567005.29	4216542.19	8.1E-08	8.74E-08	1.68E-07	7.03E-08	7.74E-08	1.48E-07	8.50E-09	1.25E-08	2.10E-08	7.40E-09	7.72E-09	1.51E-08
2225	567014.69	4216539.93	8.01E-08	8.64E-08	1.66E-07	6.95E-08	7.65E-08	1.46E-07	8.40E-09	1.24E-08	2.08E-08	7.31E-09	7.63E-09	1.49E-08
2226	567024.08	4216537.67	7.92E-08	8.55E-08	1.65E-07	6.87E-08	7.56E-08	1.44E-07	8.30E-09	1.23E-08	2.06E-08	7.23E-09	7.55E-09	1.48E-08
2227	567033.48	4216535.41	7.84E-08	8.46E-08	1.63E-07	6.80E-08	7.49E-08	1.43E-07	8.22E-09	1.21E-08	2.04E-08	7.16E-09	7.47E-09	1.46E-08
2228	567042.87	4216533.15	7.76E-08	8.38E-08	1.61E-07	6.74E-08	7.41E-08	1.41E-07	8.14E-09	1.20E-08	2.02E-08	7.09E-09	7.40E-09	1.45E-08
2229	567052.27	4216530.9	7.69E-08	8.31E-08	1.60E-07	6.68E-08	7.35E-08	1.40E-07	8.07E-09	1.19E-08	2.00E-08	7.03E-09	7.33E-09	1.44E-08

2230	567061.66	4216528.64	7.63E-08	8.24E-08	1.59E-07	6.62E-08	7.29E-08	1.39E-07	8.00E-09	1.18E-08	1.98E-08	6.97E-09	7.27E-09	1.42E-08
2231	567071.06	4216526.38	7.57E-08	8.17E-08	1.57E-07	6.57E-08	7.23E-08	1.38E-07	7.94E-09	1.17E-08	1.97E-08	6.91E-09	7.21E-09	1.41E-08
2232	567080.45	4216524.12	7.51E-08	8.11E-08	1.56E-07	6.52E-08	7.18E-08	1.37E-07	7.88E-09	1.16E-08	1.95E-08	6.86E-09	7.16E-09	1.40E-08
2233	566838.8	4216649.99	1.46E-07	1.57E-07	3.03E-07	1.26E-07	1.39E-07	2.66E-07	1.53E-08	2.25E-08	3.78E-08	1.33E-08	1.39E-08	2.72E-08
2234	566833.09	4216657.88	1.52E-07	1.64E-07	3.15E-07	1.31E-07	1.45E-07	2.76E-07	1.59E-08	2.35E-08	3.93E-08	1.38E-08	1.44E-08	2.83E-08
2235	566827.38	4216665.76	1.58E-07	1.70E-07	3.28E-07	1.37E-07	1.50E-07	2.87E-07	1.65E-08	2.44E-08	4.09E-08	1.44E-08	1.50E-08	2.94E-08
2236	566804.53	4216697.3	1.82E-07	1.97E-07	3.79E-07	1.58E-07	1.74E-07	3.32E-07	1.91E-08	2.82E-08	4.73E-08	1.67E-08	1.74E-08	3.40E-08
2237	566798.82	4216705.19	1.89E-07	2.04E-07	3.92E-07	1.64E-07	1.80E-07	3.44E-07	1.98E-08	2.92E-08	4.90E-08	1.72E-08	1.80E-08	3.52E-08
2238	566793.11	4216713.07	1.95E-07	2.10E-07	4.05E-07	1.69E-07	1.86E-07	3.55E-07	2.04E-08	3.02E-08	5.06E-08	1.78E-08	1.86E-08	3.64E-08
2239	566787.39	4216720.96	2.01E-07	2.17E-07	4.18E-07	1.74E-07	1.92E-07	3.67E-07	2.11E-08	3.11E-08	5.22E-08	1.84E-08	1.92E-08	3.75E-08
2240	566781.68	4216728.84	2.07E-07	2.24E-07	4.31E-07	1.80E-07	1.98E-07	3.77E-07	2.17E-08	3.21E-08	5.38E-08	1.89E-08	1.97E-08	3.87E-08
2241	566775.97	4216736.73	2.13E-07	2.30E-07	4.43E-07	1.85E-07	2.03E-07	3.88E-07	2.23E-08	3.29E-08	5.53E-08	1.94E-08	2.03E-08	3.97E-08
2242	566770.26	4216744.61	2.18E-07	2.36E-07	4.54E-07	1.90E-07	2.09E-07	3.98E-07	2.29E-08	3.38E-08	5.67E-08	2.00E-08	2.08E-08	4.08E-08
2243	566764.55	4216752.5	2.24E-07	2.42E-07	4.65E-07	1.94E-07	2.14E-07	4.08E-07	2.35E-08	3.46E-08	5.81E-08	2.04E-08	2.13E-08	4.18E-08
2244	566758.83	4216760.38	2.29E-07	2.47E-07	4.76E-07	1.99E-07	2.19E-07	4.17E-07	2.40E-08	3.54E-08	5.94E-08	2.09E-08	2.18E-08	4.27E-08
2245	566753.12	4216768.27	2.33E-07	2.52E-07	4.85E-07	2.02E-07	2.23E-07	4.25E-07	2.45E-08	3.61E-08	6.06E-08	2.13E-08	2.22E-08	4.36E-08
2246	566747.41	4216776.15	2.37E-07	2.56E-07	4.93E-07	2.06E-07	2.27E-07	4.33E-07	2.49E-08	3.67E-08	6.16E-08	2.17E-08	2.26E-08	4.43E-08
2247	566741.7	4216784.04	2.41E-07	2.60E-07	5.01E-07	2.09E-07	2.30E-07	4.39E-07	2.53E-08	3.73E-08	6.25E-08	2.20E-08	2.29E-08	4.49E-08
2248	566996.35	4216991.83	2.87E-06	3.10E-06	5.97E-06	2.49E-06	2.74E-06	5.23E-06	3.01E-07	4.45E-07	7.46E-07	2.62E-07	2.74E-07	5.36E-07
2249	566983.49	4216995.37	2.24E-06	2.42E-06	4.66E-06	1.95E-06	2.14E-06	4.09E-06	2.35E-07	3.47E-07	5.82E-07	2.05E-07	2.14E-07	4.19E-07
2250	566998.28	4217005.03	2.36E-06	2.55E-06	4.90E-06	2.05E-06	2.25E-06	4.30E-06	2.47E-07	3.65E-07	6.12E-07	2.15E-07	2.25E-07	4.40E-07
2251	566959.26	4216971.55	1.87E-06	2.02E-06	3.89E-06	1.62E-06	1.79E-06	3.41E-06	1.96E-07	2.89E-07	4.85E-07	1.71E-07	1.78E-07	3.49E-07
2252	566978.02	4217003.74	1.88E-06	2.02E-06	3.90E-06	1.63E-06	1.79E-06	3.42E-06	1.97E-07	2.90E-07	4.87E-07	1.71E-07	1.79E-07	3.50E-07
2253	566992.81	4217013.4	1.93E-06	2.08E-06	4.01E-06	1.67E-06	1.84E-06	3.51E-06	2.02E-07	2.98E-07	5.00E-07	1.76E-07	1.84E-07	3.60E-07
2254	567007.6	4217023.07	1.93E-06	2.08E-06	4.01E-06	1.67E-06	1.84E-06	3.52E-06	2.02E-07	2.99E-07	5.01E-07	1.76E-07	1.84E-07	3.60E-07
2255	566952.06	4216987.61	1.58E-06	1.70E-06	3.28E-06	1.37E-06	1.51E-06	2.88E-06	1.66E-07	2.44E-07	4.10E-07	1.44E-07	1.50E-07	2.95E-07
2256	566949.43	4216973.37	1.62E-06	1.75E-06	3.38E-06	1.41E-06	1.55E-06	2.96E-06	1.70E-07	2.51E-07	4.22E-07	1.48E-07	1.55E-07	3.03E-07
2257	566972.55	4217012.11	1.59E-06	1.72E-06	3.31E-06	1.38E-06	1.52E-06	2.90E-06	1.67E-07	2.46E-07	4.13E-07	1.45E-07	1.52E-07	2.97E-07
2258	566987.34	4217021.77	1.61E-06	1.73E-06	3.34E-06	1.39E-06	1.53E-06	2.93E-06	1.68E-07	2.49E-07	4.17E-07	1.47E-07	1.53E-07	3.00E-07
2259	567002.13	4217031.44	1.58E-06	1.70E-06	3.28E-06	1.37E-06	1.51E-06	2.88E-06	1.65E-07	2.44E-07	4.10E-07	1.44E-07	1.50E-07	2.94E-07
2260	566946.59	4216995.98	1.4E-06	1.51E-06	2.92E-06	1.22E-06	1.34E-06	2.56E-06	1.47E-07	2.17E-07	3.64E-07	1.28E-07	1.34E-07	2.62E-07
2261	566939.6	4216975.18	1.43E-06	1.54E-06	2.97E-06	1.24E-06	1.37E-06	2.61E-06	1.50E-07	2.21E-07	3.71E-07	1.31E-07	1.36E-07	2.67E-07
2262	566943.07	4216959.82	1.52E-06	1.64E-06	3.16E-06	1.32E-06	1.45E-06	2.77E-06	1.60E-07	2.36E-07	3.95E-07	1.39E-07	1.45E-07	2.84E-07
2263	566967.08	4217020.48	1.36E-06	1.47E-06	2.83E-06	1.18E-06	1.30E-06	2.48E-06	1.43E-07	2.11E-07	3.54E-07	1.24E-07	1.30E-07	2.54E-07
2264	566981.87	4217030.15	1.36E-06	1.46E-06	2.82E-06	1.18E-06	1.30E-06	2.47E-06	1.42E-07	2.10E-07	3.52E-07	1.24E-07	1.29E-07	2.53E-07
2265	566996.66	4217039.81	1.31E-06	1.41E-06	2.72E-06	1.14E-06	1.25E-06	2.39E-06	1.37E-07	2.03E-07	3.40E-07	1.20E-07	1.25E-07	2.45E-07
2266	566941.12	4217004.35	1.25E-06	1.35E-06	2.60E-06	1.08E-06	1.19E-06	2.27E-06	1.31E-07	1.93E-07	3.24E-07	1.14E-07	1.19E-07	2.33E-07
2267	566932.39	4216991.24	1.24E-06	1.34E-06	2.58E-06	1.07E-06	1.18E-06	2.26E-06	1.30E-07	1.92E-07	3.22E-07	1.13E-07	1.18E-07	2.31E-07
2268	566929.76	4216977	1.27E-06	1.37E-06	2.65E-06	1.10E-06	1.22E-06	2.32E-06	1.33E-07	1.97E-07	3.30E-07	1.16E-07	1.21E-07	2.37E-07
2269	566933.23	4216961.64	1.35E-06	1.46E-06	2.82E-06	1.17E-06	1.29E-06	2.47E-06	1.42E-07	2.10E-07	3.52E-07	1.24E-07	1.29E-07	2.53E-07
2270	566961.61	4217028.85	1.18E-06	1.27E-06	2.45E-06	1.02E-06	1.12E-06	2.15E-06	1.23E-07	1.82E-07	3.06E-07	1.08E-07	1.12E-07	2.20E-07
2271	566976.4	4217038.52	1.16E-06	1.25E-06	2.41E-06	1.00E-06	1.11E-06	2.11E-06	1.21E-07	1.79E-07	3.00E-07	1.06E-07	1.10E-07	2.16E-07
2272	566991.19	4217048.18	1.1E-06	1.19E-06	2.29E-06	9.58E-07	1.05E-06	2.01E-06	1.16E-07	1.71E-07	2.87E-07	1.01E-07	1.05E-07	2.06E-07
2273	566935.65	4217012.72	1.11E-06	1.20E-06	2.31E-06	9.65E-07	1.06E-06	2.03E-06	1.17E-07	1.72E-07	2.89E-07	1.02E-07	1.06E-07	2.08E-07
2274	566926.92	4216999.61	1.12E-06	1.21E-06	2.33E-06	9.73E-07	1.07E-06	2.04E-06	1.18E-07	1.74E-07	2.91E-07	1.02E-07	1.07E-07	2.09E-07
2275	566919.93	4216978.81	1.14E-06	1.23E-06	2.37E-06	9.91E-07	1.09E-06	2.08E-06	1.20E-07	1.77E-07	2.97E-07	1.04E-07	1.09E-07	2.13E-07
2276	566923.4	4216963.45	1.21E-06	1.31E-06	2.53E-06	1.05E-06	1.16E-06	2.21E-06	1.27E-07	1.88E-07	3.15E-07	1.11E-07	1.16E-07	2.27E-07
2277	566926.87	4216948.09	1.25E-06	1.35E-06	2.60E-06	1.09E-06	1.20E-06	2.28E-06	1.31E-07	1.94E-07	3.25E-07	1.14E-07	1.19E-07	2.34E-07
2278	566956.14	4217037.22	1.02E-06	1.11E-06	2.13E-06	8.88E-07	9.78E-07	1.87E-06	1.07E-07	1.58E-07	2.66E-07	9.35E-08	9.76E-08	1.91E-07
2279	566930.18	4217021.09	9.92E-07	1.07E-06	2.06E-06	8.61E-07	9.48E-07	1.81E-06	1.04E-07	1.54E-07	2.58E-07	9.06E-08	9.46E-08	1.85E-07
2280	566921.45	4217007.98	1.01E-06	1.10E-06	2.11E-06	8.81E-07	9.69E-07	1.85E-06	1.06E-07	1.57E-07	2.64E-07	9.27E-08	9.67E-08	1.89E-07
2281	566912.72	4216994.87	1.01E-06	1.09E-06	2.09E-06	8.74E-07	9.62E-07	1.84E-06	1.06E-07	1.56E-07	2.61E-07	9.20E-08	9.60E-08	1.88E-07
2282	566910.09	4216980.63	1.03E-06	1.11E-06	2.15E-06	8.96E-07	9.86E-07	1.88E-06	1.08E-07	1.60E-07	2.68E-07	9.43E-08	9.84E-08	1.93E-07
2283	566913.57	4216965.27	1.1E-06	1.18E-06	2.28E-06	9.52E-07	1.05E-06	2.00E-06	1.15E-07	1.70E-07	2.85E-07	1.00E-07	1.05E-07	2.05E-07
2284	566917.04	4216949.9	1.13E-06	1.22E-06	2.36E-06	9.84E-07	1.08E-06	2.07E-06	1.19E-07	1.75E-07	2.94E-07	1.04E-07	1.08E-07	2.12E-07
2285	566965.46	4217055.26	8.63E-07	9.31E-07	1.79E-06	7.48E-07	8.24E-07	1.57E-06	9.05E-08	1.34E-07	2.24E-07	7.88E-08	8.22E-08	1.61E-07
2286	566980.25	4217064.93	8.07E-07	8.72E-07	1.68E-06	7.01E-07	7.71E-07	1.47E-06	8.47E-08	1.25E-07	2.10E-07	7.38E-08	7.70E-08	1.51E-07
2287	566924.71	4217029.46	8.88E-07	9.58E-07	1.85E-06	7.70E-07	8.48E-07	1.62E-06	9.31E-08	1.37E-07	2.30E-07	8.11E-08	8.46E-08	1.66E-07
2288	566915.98	4217016.35	9.18E-07	9.91E-07	1.91E-06	7.97E-07	8.77E-07	1.67E-06	9.63E-08	1.42E-07	2.38E-07	8.39E-08	8.75E-08	1.71E-07
2289	566907.25	4217003.24	9.23E-07	9.97E-07	1.92E-06	8.01E-07	8.82E-07	1.68E-06	9.68E-08	1.43E-07	2.40E-07	8.43E-08	8.80E-08	1.72E-07
2290	566900.26	4216982.44	9.4E-07	1.01E-06	1.95E-06	8.15E-07	8.97E-07	1.71E-06	9.85E-08	1.45E-07	2.44E-07	8.58E-08	8.96E-08	1.75E-07
2291	566903.73	4216967.08	9.97E-07	1.08E-06	2.07E-06	8.65E-07	9.52E-07	1.82E-06	1.05E-07	1.54E-07	2.59E-07	9.10E-08	9.50E-08	1.86E-07
2292	566907.2	4216951.72	1.03E-06	1.11E-06	2.15E-06	8.95E-07	9.86E-07	1.88E-06	1.08E-07	1.60E-07	2.68E-07	9.43E-08	9.84E-08	1.93E-07
2293	566910.67	4216936.35	1.04E-06	1.12E-06	2.17E-06	9.04E-07	9.95E-07	1.90E-06	1.09E-07	1.61E-07	2.71E-07	9.52E-08	9.93E-08	1.95E-07
2294	566945.2	4217053.96	7.88E-07	8.51E-07	1.64E-06	6.84E-07	7.53E-07	1.44E-06	8.27E-08	1.22E-07	2.05E-07	7.20E-08	7.51E-08	1.47E-07
2295	566959.99	4217063.63	7.52E-07	8.12E-07	1.56E-06	6.53E-07	7.19E-07	1.37E-06	7.89E-08	1.16E-07	1.95E-07	6.87E-08	7.17E-08	1.40E-07
2296	566974.78	4217073.3	6.99E-07	7.55E-07	1.45E-06	6.07E-07	6.68E-07	1.27E-06	7.33E-08	1.08E-07	1.82E-07	6.39E-08	6.66E-08	1.31E-07
2297	566917.78	4217035.65	8.03E-07	8.67E-07	1.67E-06	6.97E-07	7.67E-07	1.46E-06	8.42E-08	1.24E-07	2.09E-07	7.34E-08	7.66E-08	1.50E-07
2298	566908.09	4217021.08	8.37E-07	9.04E-07	1.74E-06	7.27E-07	8.00E-07	1.53E-06	8.78E-08	1.30E-07	2.17E-07	7.65E-08	7.98E-08	1.56E-07
2299	566898.39	4217006.51	8.45E-07	9.12E-07	1.76E-06	7.33E-07	8.07E-07	1.54E-06	8.86E-08	1.31E-07	2.19E-07	7.72E-08	8.05E-08	1.58E-07
2300	566890.62	4216983.41	8.63E-07	9.31E-07	1.79E-06	7.48E-07	8.24E-07	1.57E-06	9.05E-08	1.34E-07	2.24E-07	7.88E-08	8.22E-08	1.61E-07
2301	566894.48	4216966.34	9.17E-07	9.90E-07	1.91E-06	7.96E-07	8.76E-07	1.67E-06	9.62E-08	1.42E-07	2.38E-07	8.38E-08	8.74E-08	1.71E-07
2302	566898.33	4216949.26	9.5E-07	1.03E-06	1.97E-06	8.24E-07	9.07E-07	1.73E-06	9.96E-08	1.47E-07	2.47E-07	8.68E-08	9.05E-08	1.77E-07
2303	566900.26	4216940.73	9.56E-07	1.03E-06	1.99E-06	8.30E-07	9.13E-07	1.74E-06	1.00E-07	1.48E-07	2.48E-07	8.74E-08	9.12E-08	1.79E-07
2304	566939.73	4217062.34	6.97E-07	7.52E-07	1.45E-06	6.05E-07	6.66E-07	1.27E-06	7.31E-08	1.08E-07	1.81E-07	6.37E-08	6.64E-08	1.30E-07
2305	566954.52	4217072	6.6E-07	7.13E-07	1.37E-06	5.73E-07	6.31E-07	1.20E-06	6.92E-08	1.02E-07	1.71E-07	6.03E-08	6.29E-08	1.23E-07
2306	566969.31	4217081.67	6.1E-07	6.58E-07	1.27E-06	5.29E-07	5.83E-07	1.11E-06	6.40E-08	9.44E-08	1.58E-07	5.57E-08	5.81E-08	1.14E-07

2307	566893.26	4217015.39	7.76E-07	8.37E-07	1.61E-06	6.73E-07	7.41E-07	1.41E-06	8.14E-08	1.20E-07	2.01E-07	7.09E-08	7.40E-08	1.45E-07
2308	566883.66	4217000.97	7.72E-07	8.33E-07	1.60E-06	6.70E-07	7.37E-07	1.41E-06	8.09E-08	1.19E-07	2.00E-07	7.05E-08	7.36E-08	1.44E-07
2309	566880.77	4216985.31	7.92E-07	8.55E-07	1.65E-06	6.88E-07	7.57E-07	1.44E-06	8.31E-08	1.23E-07	2.06E-07	7.24E-08	7.55E-08	1.48E-07
2310	566884.58	4216968.41	8.41E-07	9.08E-07	1.75E-06	7.30E-07	8.04E-07	1.53E-06	8.82E-08	1.30E-07	2.18E-07	7.68E-08	8.02E-08	1.57E-07
2311	566888.4	4216951.51	8.73E-07	9.42E-07	1.81E-06	7.57E-07	8.33E-07	1.59E-06	9.15E-08	1.35E-07	2.27E-07	7.97E-08	8.32E-08	1.63E-07
2312	566892.22	4216934.61	8.83E-07	9.53E-07	1.84E-06	7.66E-07	8.43E-07	1.61E-06	9.26E-08	1.37E-07	2.29E-07	8.06E-08	8.41E-08	1.65E-07
2313	566934.25	4217070.71	6.19E-07	6.68E-07	1.29E-06	5.37E-07	5.91E-07	1.13E-06	6.49E-08	9.58E-08	1.61E-07	5.65E-08	5.90E-08	1.16E-07
2314	566949.05	4217080.37	5.82E-07	6.29E-07	1.21E-06	5.05E-07	5.56E-07	1.06E-06	6.11E-08	9.02E-08	1.51E-07	5.32E-08	5.55E-08	1.09E-07
2315	566963.84	4217090.04	5.35E-07	5.78E-07	1.11E-06	4.64E-07	5.11E-07	9.76E-07	5.62E-08	8.29E-08	1.39E-07	4.89E-08	5.10E-08	9.99E-08
2316	566907.11	4217052.79	6.51E-07	7.02E-07	1.35E-06	5.65E-07	6.22E-07	1.19E-06	6.83E-08	1.01E-07	1.69E-07	5.94E-08	6.20E-08	1.21E-07
2317	566878.54	4217009.88	7.16E-07	7.73E-07	1.49E-06	6.21E-07	6.84E-07	1.30E-06	7.51E-08	1.11E-07	1.86E-07	6.54E-08	6.82E-08	1.34E-07
2318	566870.92	4216987.19	7.31E-07	7.89E-07	1.52E-06	6.34E-07	6.98E-07	1.33E-06	7.66E-08	1.13E-07	1.90E-07	6.67E-08	6.96E-08	1.36E-07
2319	566874.7	4216970.43	7.75E-07	8.36E-07	1.61E-06	6.72E-07	7.40E-07	1.41E-06	8.13E-08	1.20E-07	2.01E-07	7.08E-08	7.39E-08	1.45E-07
2320	566878.49	4216953.67	8.05E-07	8.68E-07	1.67E-06	6.98E-07	7.68E-07	1.47E-06	8.44E-08	1.25E-07	2.09E-07	7.35E-08	7.67E-08	1.50E-07
2321	566882.28	4216936.91	8.17E-07	8.82E-07	1.70E-06	7.09E-07	7.80E-07	1.49E-06	8.57E-08	1.26E-07	2.12E-07	7.46E-08	7.79E-08	1.52E-07
2322	566886.06	4216920.15	8.11E-07	8.75E-07	1.69E-06	7.04E-07	7.75E-07	1.48E-06	8.51E-08	1.26E-07	2.11E-07	7.41E-08	7.73E-08	1.51E-07
2323	566928.78	4217079.08	5.51E-07	5.95E-07	1.15E-06	4.78E-07	5.27E-07	1.01E-06	5.78E-08	8.54E-08	1.43E-07	5.04E-08	5.26E-08	1.03E-07
2324	566943.58	4217088.74	5.16E-07	5.57E-07	1.07E-06	4.48E-07	4.93E-07	9.41E-07	5.42E-08	7.99E-08	1.34E-07	4.72E-08	4.92E-08	9.64E-08
2325	566958.37	4217098.41	4.73E-07	5.10E-07	9.83E-07	4.10E-07	4.51E-07	8.61E-07	4.96E-08	7.32E-08	1.23E-07	4.32E-08	4.50E-08	8.82E-08
2326	566901.74	4217061.31	5.87E-07	6.34E-07	1.22E-06	5.09E-07	5.61E-07	1.07E-06	6.16E-08	9.09E-08	1.52E-07	5.36E-08	5.60E-08	1.10E-07
2327	566892.28	4217047.1	6.27E-07	6.77E-07	1.30E-06	5.44E-07	5.99E-07	1.14E-06	6.58E-08	9.70E-08	1.63E-07	5.73E-08	5.98E-08	1.17E-07
2328	566882.83	4217032.9	6.52E-07	7.04E-07	1.36E-06	5.66E-07	6.23E-07	1.19E-06	6.84E-08	1.01E-07	1.69E-07	5.95E-08	6.21E-08	1.22E-07
2329	566861.07	4216989.07	6.76E-07	7.29E-07	1.40E-06	5.86E-07	6.45E-07	1.23E-06	7.09E-08	1.05E-07	1.75E-07	6.17E-08	6.44E-08	1.26E-07
2330	566864.83	4216972.42	7.16E-07	7.72E-07	1.49E-06	6.21E-07	6.83E-07	1.30E-06	7.50E-08	1.11E-07	1.86E-07	6.54E-08	6.82E-08	1.34E-07
2331	566868.59	4216955.78	7.44E-07	8.03E-07	1.55E-06	6.45E-07	7.10E-07	1.36E-06	7.80E-08	1.15E-07	1.93E-07	6.79E-08	7.09E-08	1.39E-07
2332	566872.35	4216939.13	7.58E-07	8.18E-07	1.58E-06	6.58E-07	7.24E-07	1.38E-06	7.95E-08	1.17E-07	1.97E-07	6.92E-08	7.22E-08	1.41E-07
2333	566876.11	4216922.49	7.56E-07	8.16E-07	1.57E-06	6.56E-07	7.22E-07	1.38E-06	7.93E-08	1.17E-07	1.96E-07	6.91E-08	7.21E-08	1.41E-07
2334	566923.31	4217087.45	4.93E-07	5.32E-07	1.03E-06	4.28E-07	4.71E-07	8.99E-07	5.17E-08	7.63E-08	1.28E-07	4.50E-08	4.70E-08	9.20E-08
2335	566938.11	4217097.12	4.59E-07	4.96E-07	9.55E-07	3.99E-07	4.39E-07	8.37E-07	4.82E-08	7.11E-08	1.19E-07	4.20E-08	4.38E-08	8.58E-08
2336	566952.9	4217106.78	4.19E-07	4.53E-07	8.72E-07	3.64E-07	4.01E-07	7.64E-07	4.40E-08	6.49E-08	1.09E-07	3.83E-08	4.00E-08	7.83E-08
2337	566896.35	4217069.81	5.31E-07	5.73E-07	1.10E-06	4.60E-07	5.07E-07	9.67E-07	5.57E-08	8.21E-08	1.38E-07	4.85E-08	5.06E-08	9.90E-08
2338	566886.95	4217055.69	5.7E-07	6.16E-07	1.19E-06	4.95E-07	5.45E-07	1.04E-06	5.98E-08	8.83E-08	1.48E-07	5.21E-08	5.44E-08	1.06E-07
2339	566877.55	4217041.56	5.98E-07	6.45E-07	1.24E-06	5.19E-07	5.71E-07	1.09E-06	6.27E-08	9.25E-08	1.55E-07	5.46E-08	5.70E-08	1.12E-07
2340	566868.15	4217027.44	6.12E-07	6.61E-07	1.27E-06	5.31E-07	5.85E-07	1.12E-06	6.42E-08	9.48E-08	1.59E-07	5.59E-08	5.84E-08	1.14E-07
2341	566858.75	4217013.32	6.15E-07	6.64E-07	1.28E-06	5.34E-07	5.88E-07	1.12E-06	6.45E-08	9.52E-08	1.60E-07	5.62E-08	5.87E-08	1.15E-07
2342	566854.96	4216974.38	6.63E-07	7.16E-07	1.38E-06	5.75E-07	6.33E-07	1.21E-06	6.95E-08	1.03E-07	1.72E-07	6.06E-08	6.32E-08	1.24E-07
2343	566858.7	4216957.84	6.89E-07	7.44E-07	1.43E-06	5.98E-07	6.58E-07	1.26E-06	7.23E-08	1.07E-07	1.79E-07	6.30E-08	6.57E-08	1.29E-07
2344	566862.44	4216941.29	7.04E-07	7.60E-07	1.46E-06	6.11E-07	6.72E-07	1.28E-06	7.38E-08	1.09E-07	1.83E-07	6.43E-08	6.71E-08	1.31E-07
2345	566866.18	4216924.75	7.06E-07	7.62E-07	1.47E-06	6.12E-07	6.74E-07	1.29E-06	7.40E-08	1.09E-07	1.83E-07	6.45E-08	6.73E-08	1.32E-07
2346	566869.92	4216908.2	6.95E-07	7.50E-07	1.44E-06	6.03E-07	6.63E-07	1.27E-06	7.29E-08	1.08E-07	1.80E-07	6.34E-08	6.62E-08	1.30E-07
2347	566917.84	4217095.82	4.42E-07	4.78E-07	9.20E-07	3.84E-07	4.23E-07	8.06E-07	4.64E-08	6.85E-08	1.15E-07	4.04E-08	4.22E-08	8.26E-08
2348	566932.64	4217105.49	4.1E-07	4.43E-07	8.54E-07	3.56E-07	3.92E-07	7.48E-07	4.31E-08	6.35E-08	1.07E-07	3.75E-08	3.91E-08	7.66E-08
2349	566947.43	4217115.15	3.74E-07	4.04E-07	7.77E-07	3.24E-07	3.57E-07	6.81E-07	3.92E-08	5.79E-08	9.71E-08	3.41E-08	3.56E-08	6.98E-08
2350	566890.95	4217078.29	4.81E-07	5.19E-07	1.00E-06	4.17E-07	4.59E-07	8.77E-07	5.04E-08	7.44E-08	1.25E-07	4.39E-08	4.58E-08	8.98E-08
2351	566881.6	4217064.24	5.2E-07	5.61E-07	1.08E-06	4.51E-07	4.96E-07	9.47E-07	5.45E-08	8.04E-08	1.35E-07	4.75E-08	4.95E-08	9.70E-08
2352	566872.25	4217050.19	5.48E-07	5.92E-07	1.14E-06	4.76E-07	5.24E-07	1.00E-06	5.75E-08	8.49E-08	1.42E-07	5.01E-08	5.23E-08	1.02E-07
2353	566862.9	4217036.14	5.67E-07	6.12E-07	1.18E-06	4.92E-07	5.41E-07	1.03E-06	5.94E-08	8.77E-08	1.47E-07	5.18E-08	5.40E-08	1.06E-07
2354	566853.55	4217022.09	5.74E-07	6.20E-07	1.19E-06	4.98E-07	5.48E-07	1.05E-06	6.02E-08	8.88E-08	1.49E-07	5.24E-08	5.47E-08	1.07E-07
2355	566844.2	4217008.04	5.7E-07	6.16E-07	1.19E-06	4.95E-07	5.45E-07	1.04E-06	5.98E-08	8.83E-08	1.48E-07	5.21E-08	5.44E-08	1.06E-07
2356	566845.1	4216976.33	6.16E-07	6.65E-07	1.28E-06	5.35E-07	5.89E-07	1.12E-06	6.46E-08	9.54E-08	1.60E-07	5.63E-08	5.87E-08	1.15E-07
2357	566848.82	4216959.86	6.41E-07	6.92E-07	1.33E-06	5.56E-07	6.12E-07	1.17E-06	6.72E-08	9.92E-08	1.66E-07	5.85E-08	6.11E-08	1.20E-07
2358	566852.54	4216943.4	6.56E-07	7.08E-07	1.36E-06	5.69E-07	6.26E-07	1.20E-06	6.88E-08	1.01E-07	1.70E-07	5.99E-08	6.25E-08	1.22E-07
2359	566912.37	4217104.19	3.99E-07	4.30E-07	8.29E-07	3.46E-07	3.81E-07	7.27E-07	4.18E-08	6.17E-08	1.04E-07	3.64E-08	3.80E-08	7.44E-08
2360	566927.17	4217113.86	3.68E-07	3.98E-07	7.66E-07	3.20E-07	3.52E-07	6.72E-07	3.86E-08	5.70E-08	9.57E-08	3.37E-08	3.51E-08	6.88E-08
2361	566941.96	4217123.53	3.35E-07	3.61E-07	6.96E-07	2.91E-07	3.20E-07	6.10E-07	3.51E-08	5.18E-08	8.70E-08	3.06E-08	3.19E-08	6.25E-08
2362	566885.54	4217086.75	4.37E-07	4.72E-07	9.09E-07	3.79E-07	4.18E-07	7.97E-07	4.59E-08	6.77E-08	1.14E-07	3.99E-08	4.17E-08	8.16E-08
2363	566876.23	4217072.76	4.74E-07	5.12E-07	9.86E-07	4.12E-07	4.53E-07	8.65E-07	4.98E-08	7.34E-08	1.23E-07	4.33E-08	4.52E-08	8.85E-08
2364	566866.93	4217058.78	5.04E-07	5.44E-07	1.05E-06	4.37E-07	4.81E-07	9.18E-07	5.28E-08	7.80E-08	1.31E-07	4.60E-08	4.80E-08	9.41E-08
2365	566857.62	4217044.79	5.24E-07	5.66E-07	1.09E-06	4.55E-07	5.01E-07	9.56E-07	5.50E-08	8.12E-08	1.36E-07	4.79E-08	5.00E-08	9.79E-08
2366	566848.31	4217030.81	5.35E-07	5.78E-07	1.11E-06	4.64E-07	5.11E-07	9.75E-07	5.61E-08	8.28E-08	1.39E-07	4.89E-08	5.10E-08	9.99E-08
2367	566839	4217016.82	5.36E-07	5.79E-07	1.12E-06	4.65E-07	5.12E-07	9.77E-07	5.62E-08	8.30E-08	1.39E-07	4.90E-08	5.11E-08	1.00E-07
2368	566831.54	4216994.64	5.46E-07	5.89E-07	1.13E-06	4.74E-07	5.21E-07	9.95E-07	5.72E-08	8.45E-08	1.42E-07	4.99E-08	5.20E-08	1.02E-07
2369	566835.24	4216978.25	5.75E-07	6.21E-07	1.20E-06	4.99E-07	5.49E-07	1.05E-06	6.03E-08	8.90E-08	1.49E-07	5.25E-08	5.48E-08	1.07E-07
2370	566838.94	4216961.86	5.98E-07	6.45E-07	1.24E-06	5.19E-07	5.71E-07	1.09E-06	6.27E-08	9.25E-08	1.55E-07	5.46E-08	5.70E-08	1.12E-07
2371	566842.65	4216945.47	6.12E-07	6.61E-07	1.27E-06	5.31E-07	5.85E-07	1.12E-06	6.42E-08	9.48E-08	1.59E-07	5.59E-08	5.84E-08	1.14E-07
2372	566850.05	4216912.7	6.13E-07	6.62E-07	1.27E-06	5.32E-07	5.86E-07	1.12E-06	6.43E-08	9.49E-08	1.59E-07	5.60E-08	5.84E-08	1.14E-07
2373	566906.9	4217112.56	3.61E-07	3.89E-07	7.50E-07	3.13E-07	3.44E-07	6.57E-07	3.78E-08	5.58E-08	9.36E-08	3.29E-08	3.44E-08	6.73E-08
2374	566921.7	4217122.23	3.32E-07	3.59E-07	6.91E-07	2.88E-07	3.18E-07	6.06E-07	3.49E-08	5.15E-08	8.63E-08	3.04E-08	3.17E-08	6.21E-08
2375	566936.49	4217131.9	3.02E-07	3.26E-07	6.27E-07	2.62E-07	2.88E-07	5.50E-07	3.16E-08	4.67E-08	7.83E-08	2.75E-08	2.87E-08	5.63E-08
2376	566880.13	4217095.2	3.99E-07	4.30E-07	8.29E-07	3.46E-07	3.81E-07	7.27E-07	4.18E-08	6.17E-08	1.04E-07	3.64E-08	3.80E-08	7.44E-08
2377	566870.86	4217081.27	4.34E-07	4.68E-07	9.02E-07	3.77E-07	4.15E-07	7.91E-07	4.55E-08	6.72E-08	1.13E-07	3.96E-08	4.14E-08	8.10E-08
2378	566861.58	4217067.34	4.63E-07	5.00E-07	9.64E-07	4.02E-07	4.43E-07	8.45E-07	4.86E-08	7.17E-08	1.20E-07	4.23E-08	4.42E-08	8.65E-08
2379	566852.31	4217053.41	4.85E-07	5.24E-07	1.01E-06	4.21E-07	4.63E-07	8.84E-07	5.09E-08	7.51E-08	1.26E-07	4.43E-08	4.62E-08	9.06E-08
2380	566843.04	4217039.48	4.99E-07	5.38E-07	1.04E-06	4.33E-07	4.76E-07	9.09E-07	5.23E-08	7.72E-08	1.29E-07	4.55E-08	4.75E-08	9.31E-08
2381	566833.76	4217025.55	5.03E-07	5.43E-07	1.05E-06	4.37E-07	4.81E-07	9.18E-07	5.28E-08	7.79E-08	1.31E-07	4.60E-08	4.80E-08	9.40E-08
2382	566824.49	4217011.61	5E-07	5.40E-07	1.04E-06	4.34E-07	4.78E-07	9.12E-07	5.25E-08	7.75E-08	1.30E-07	4.57E-08	4.77E-08	9.34E-08
2383	566821.7	4216996.49	5.12E-07	5.52E-07	1.06E-06	4.44E-07	4.89E-07	9.33E-07	5.37E-08	7.92E-08	1.33E-07	4.67E-08	4.88E-08	9.55E-08

2384	566829.07	4216963.84	5.6E-07	6.04E-07	1.16E-06	4.86E-07	5.35E-07	1.02E-06	5.87E-08	8.66E-08	1.45E-07	5.11E-08	5.33E-08	1.04E-07
2385	566840.14	4216914.87	5.77E-07	6.23E-07	1.20E-06	5.01E-07	5.52E-07	1.05E-06	6.06E-08	8.94E-08	1.50E-07	5.27E-08	5.50E-08	1.08E-07
2386	566843.83	4216898.54	5.67E-07	6.12E-07	1.18E-06	4.92E-07	5.41E-07	1.03E-06	5.95E-08	8.77E-08	1.47E-07	5.18E-08	5.40E-08	1.06E-07
2387	566901.43	4217120.93	3.27E-07	3.53E-07	6.81E-07	2.84E-07	3.13E-07	5.97E-07	3.43E-08	5.07E-08	8.50E-08	2.99E-08	3.12E-08	6.11E-08
2388	566916.23	4217130.6	3.01E-07	3.25E-07	6.26E-07	2.61E-07	2.88E-07	5.49E-07	3.16E-08	4.66E-08	7.82E-08	2.75E-08	2.87E-08	5.62E-08
2389	566931.02	4217140.27	2.73E-07	2.95E-07	5.68E-07	2.37E-07	2.61E-07	4.97E-07	2.86E-08	4.22E-08	7.09E-08	2.49E-08	2.60E-08	5.09E-08
2390	566874.71	4217103.65	3.64E-07	3.93E-07	7.58E-07	3.16E-07	3.48E-07	6.64E-07	3.82E-08	5.64E-08	9.46E-08	3.33E-08	3.47E-08	6.80E-08
2391	566865.47	4217089.76	3.98E-07	4.29E-07	8.27E-07	3.45E-07	3.80E-07	7.25E-07	4.17E-08	6.16E-08	1.03E-07	3.63E-08	3.79E-08	7.43E-08
2392	566856.22	4217075.88	4.27E-07	4.60E-07	8.87E-07	3.70E-07	4.07E-07	7.78E-07	4.47E-08	6.60E-08	1.11E-07	3.90E-08	4.07E-08	7.96E-08
2393	566846.98	4217062	4.49E-07	4.85E-07	9.34E-07	3.90E-07	4.29E-07	8.19E-07	4.71E-08	6.95E-08	1.17E-07	4.10E-08	4.28E-08	8.38E-08
2394	566837.74	4217048.11	4.64E-07	5.01E-07	9.66E-07	4.03E-07	4.44E-07	8.46E-07	4.87E-08	7.19E-08	1.21E-07	4.24E-08	4.43E-08	8.67E-08
2395	566828.5	4217034.23	4.72E-07	5.10E-07	9.82E-07	4.10E-07	4.51E-07	8.60E-07	4.95E-08	7.31E-08	1.23E-07	4.31E-08	4.50E-08	8.81E-08
2396	566819.26	4217020.35	4.73E-07	5.10E-07	9.83E-07	4.10E-07	4.51E-07	8.61E-07	4.96E-08	7.32E-08	1.23E-07	4.32E-08	4.50E-08	8.82E-08
2397	566811.86	4216998.33	4.81E-07	5.19E-07	1.00E-06	4.17E-07	4.59E-07	8.76E-07	5.04E-08	7.44E-08	1.25E-07	4.39E-08	4.58E-08	8.97E-08
2398	566826.56	4216933.26	5.46E-07	5.89E-07	1.13E-06	4.73E-07	5.21E-07	9.95E-07	5.72E-08	8.45E-08	1.42E-07	4.98E-08	5.20E-08	1.02E-07
2399	566830.24	4216916.99	5.45E-07	5.88E-07	1.13E-06	4.73E-07	5.21E-07	9.94E-07	5.72E-08	8.44E-08	1.42E-07	4.98E-08	5.20E-08	1.02E-07
2400	566833.91	4216900.72	5.37E-07	5.80E-07	1.12E-06	4.66E-07	5.13E-07	9.79E-07	5.63E-08	8.32E-08	1.39E-07	4.91E-08	5.12E-08	1.00E-07
2401	566895.96	4217129.31	2.98E-07	3.22E-07	6.20E-07	2.59E-07	2.85E-07	5.44E-07	3.13E-08	4.62E-08	7.74E-08	2.72E-08	2.84E-08	5.57E-08
2402	566910.76	4217138.97	2.74E-07	2.96E-07	5.69E-07	2.38E-07	2.62E-07	4.99E-07	2.87E-08	4.24E-08	7.11E-08	2.50E-08	2.61E-08	5.11E-08
2403	566925.55	4217148.64	2.48E-07	2.68E-07	5.16E-07	2.15E-07	2.37E-07	4.52E-07	2.60E-08	3.84E-08	6.44E-08	2.27E-08	2.36E-08	4.63E-08
2404	566858.71	4217096.21	3.7E-07	3.99E-07	7.69E-07	3.21E-07	3.53E-07	6.74E-07	3.88E-08	5.72E-08	9.60E-08	3.38E-08	3.52E-08	6.90E-08
2405	566848.96	4217081.55	3.98E-07	4.30E-07	8.28E-07	3.46E-07	3.80E-07	7.26E-07	4.18E-08	6.17E-08	1.03E-07	3.64E-08	3.80E-08	7.43E-08
2406	566839.2	4217066.9	4.21E-07	4.54E-07	8.75E-07	3.65E-07	4.02E-07	7.67E-07	4.41E-08	6.51E-08	1.09E-07	3.84E-08	4.01E-08	7.86E-08
2407	566829.45	4217052.24	4.36E-07	4.71E-07	9.07E-07	3.79E-07	4.17E-07	7.95E-07	4.58E-08	6.75E-08	1.13E-07	3.99E-08	4.16E-08	8.15E-08
2408	566819.69	4217037.59	4.44E-07	4.80E-07	9.24E-07	3.86E-07	4.24E-07	8.10E-07	4.66E-08	6.88E-08	1.15E-07	4.06E-08	4.24E-08	8.29E-08
2409	566809.94	4217022.93	4.45E-07	4.81E-07	9.26E-07	3.86E-07	4.25E-07	8.12E-07	4.67E-08	6.89E-08	1.16E-07	4.07E-08	4.24E-08	8.31E-08
2410	566813.77	4216948.18	5.09E-07	5.50E-07	1.06E-06	4.42E-07	4.86E-07	9.28E-07	5.34E-08	7.88E-08	1.32E-07	4.65E-08	4.85E-08	9.50E-08
2411	566817.64	4216931.01	5.15E-07	5.56E-07	1.07E-06	4.47E-07	4.92E-07	9.39E-07	5.40E-08	7.97E-08	1.34E-07	4.71E-08	4.91E-08	9.62E-08
2412	566821.52	4216913.84	5.14E-07	5.55E-07	1.07E-06	4.46E-07	4.91E-07	9.37E-07	5.39E-08	7.96E-08	1.33E-07	4.70E-08	4.90E-08	9.60E-08
2413	566825.4	4216896.67	5.06E-07	5.46E-07	1.05E-06	4.39E-07	4.83E-07	9.22E-07	5.30E-08	7.83E-08	1.31E-07	4.62E-08	4.82E-08	9.44E-08
2414	566890.49	4217137.68	2.72E-07	2.94E-07	5.66E-07	2.36E-07	2.60E-07	4.97E-07	2.86E-08	4.22E-08	7.07E-08	2.49E-08	2.60E-08	5.08E-08
2415	566905.29	4217147.34	2.5E-07	2.70E-07	5.19E-07	2.17E-07	2.39E-07	4.55E-07	2.62E-08	3.87E-08	6.49E-08	2.28E-08	2.38E-08	4.66E-08
2416	566920.08	4217157.01	2.26E-07	2.44E-07	4.70E-07	1.96E-07	2.16E-07	4.12E-07	2.37E-08	3.50E-08	5.87E-08	2.07E-08	2.16E-08	4.22E-08
2417	566843.69	4217090.22	3.68E-07	3.97E-07	7.64E-07	3.19E-07	3.51E-07	6.70E-07	3.86E-08	5.69E-08	9.54E-08	3.36E-08	3.50E-08	6.86E-08
2418	566833.99	4217075.65	3.9E-07	4.21E-07	8.12E-07	3.39E-07	3.73E-07	7.11E-07	4.09E-08	6.04E-08	1.01E-07	3.56E-08	3.72E-08	7.28E-08
2419	566824.29	4217061.09	4.07E-07	4.39E-07	8.46E-07	3.53E-07	3.89E-07	7.42E-07	4.27E-08	6.30E-08	1.06E-07	3.72E-08	3.88E-08	7.59E-08
2420	566814.6	4217046.52	4.17E-07	4.50E-07	8.67E-07	3.62E-07	3.98E-07	7.60E-07	4.37E-08	6.45E-08	1.08E-07	3.81E-08	3.97E-08	7.78E-08
2421	566804.9	4217031.95	4.21E-07	4.54E-07	8.75E-07	3.65E-07	4.02E-07	7.67E-07	4.41E-08	6.51E-08	1.09E-07	3.84E-08	4.01E-08	7.85E-08
2422	566795.2	4217017.38	4.19E-07	4.52E-07	8.70E-07	3.63E-07	4.00E-07	7.63E-07	4.39E-08	6.48E-08	1.09E-07	3.82E-08	3.99E-08	7.81E-08
2423	566803.85	4216950.35	4.8E-07	5.18E-07	9.98E-07	4.16E-07	4.58E-07	8.75E-07	5.03E-08	7.43E-08	1.25E-07	4.38E-08	4.57E-08	8.96E-08
2424	566807.71	4216933.27	4.87E-07	5.25E-07	1.01E-06	4.22E-07	4.65E-07	8.87E-07	5.10E-08	7.53E-08	1.26E-07	4.45E-08	4.64E-08	9.08E-08
2425	566809.64	4216924.74	4.88E-07	5.26E-07	1.01E-06	4.23E-07	4.66E-07	8.89E-07	5.11E-08	7.55E-08	1.27E-07	4.45E-08	4.65E-08	9.10E-08
2426	566813.49	4216907.67	4.85E-07	5.23E-07	1.01E-06	4.21E-07	4.63E-07	8.84E-07	5.08E-08	7.50E-08	1.26E-07	4.43E-08	4.62E-08	9.05E-08
2427	566817.35	4216890.6	4.76E-07	5.13E-07	9.89E-07	4.13E-07	4.54E-07	8.67E-07	4.99E-08	7.36E-08	1.24E-07	4.34E-08	4.53E-08	8.88E-08
2428	566885.02	4217146.05	2.5E-07	2.69E-07	5.19E-07	2.17E-07	2.38E-07	4.55E-07	2.62E-08	3.86E-08	6.48E-08	2.28E-08	2.38E-08	4.66E-08
2429	566899.82	4217155.71	2.28E-07	2.46E-07	4.75E-07	1.98E-07	2.18E-07	4.16E-07	2.39E-08	3.53E-08	5.93E-08	2.09E-08	2.18E-08	4.26E-08
2430	566914.61	4217165.38	2.07E-07	2.23E-07	4.30E-07	1.79E-07	1.97E-07	3.77E-07	2.17E-08	3.20E-08	5.37E-08	1.89E-08	1.97E-08	3.86E-08
2431	566857.69	4217127.85	2.84E-07	3.06E-07	5.90E-07	2.46E-07	2.71E-07	5.17E-07	2.98E-08	4.39E-08	7.37E-08	2.59E-08	2.70E-08	5.29E-08
2432	566848.04	4217113.35	3.13E-07	3.38E-07	6.51E-07	2.72E-07	2.99E-07	5.71E-07	3.28E-08	4.85E-08	8.13E-08	2.86E-08	2.98E-08	5.84E-08
2433	566819.1	4217069.88	3.79E-07	4.10E-07	7.89E-07	3.29E-07	3.62E-07	6.92E-07	3.98E-08	5.87E-08	9.85E-08	3.47E-08	3.62E-08	7.08E-08
2434	566809.46	4217055.39	3.91E-07	4.22E-07	8.13E-07	3.39E-07	3.74E-07	7.13E-07	4.10E-08	6.05E-08	1.02E-07	3.57E-08	3.73E-08	7.30E-08
2435	566799.81	4217040.89	3.97E-07	4.29E-07	8.26E-07	3.44E-07	3.79E-07	7.24E-07	4.16E-08	6.15E-08	1.03E-07	3.63E-08	3.78E-08	7.41E-08
2436	566790.16	4217026.4	3.97E-07	4.29E-07	8.27E-07	3.45E-07	3.80E-07	7.25E-07	4.17E-08	6.15E-08	1.03E-07	3.63E-08	3.79E-08	7.42E-08
2437	566786.27	4216986.44	4.25E-07	4.58E-07	8.83E-07	3.68E-07	4.06E-07	7.74E-07	4.45E-08	6.57E-08	1.10E-07	3.88E-08	4.05E-08	7.92E-08
2438	566790.11	4216969.46	4.41E-07	4.76E-07	9.17E-07	3.83E-07	4.21E-07	8.04E-07	4.63E-08	6.83E-08	1.15E-07	4.03E-08	4.20E-08	8.23E-08
2439	566797.78	4216935.49	4.6E-07	4.97E-07	9.57E-07	3.99E-07	4.40E-07	8.39E-07	4.83E-08	7.13E-08	1.20E-07	4.21E-08	4.39E-08	8.59E-08
2440	566801.62	4216918.51	4.62E-07	4.99E-07	9.60E-07	4.01E-07	4.41E-07	8.42E-07	4.84E-08	7.15E-08	1.20E-07	4.22E-08	4.40E-08	8.62E-08
2441	566805.46	4216901.53	4.58E-07	4.94E-07	9.52E-07	3.97E-07	4.37E-07	8.34E-07	4.80E-08	7.08E-08	1.19E-07	4.18E-08	4.36E-08	8.54E-08
2442	566809.29	4216884.55	4.48E-07	4.84E-07	9.32E-07	3.89E-07	4.28E-07	8.17E-07	4.70E-08	6.93E-08	1.16E-07	4.09E-08	4.27E-08	8.36E-08
2443	566894.35	4217164.09	2.09E-07	2.26E-07	4.35E-07	1.82E-07	2.00E-07	3.82E-07	2.20E-08	3.24E-08	5.44E-08	1.91E-08	2.00E-08	3.91E-08
2444	566909.14	4217173.75	1.9E-07	2.05E-07	3.94E-07	1.65E-07	1.81E-07	3.46E-07	1.99E-08	2.94E-08	4.92E-08	1.73E-08	1.81E-08	3.54E-08
2445	566852.29	4217136.32	2.61E-07	2.82E-07	5.43E-07	2.27E-07	2.49E-07	4.76E-07	2.74E-08	4.04E-08	6.78E-08	2.39E-08	2.49E-08	4.87E-08
2446	566842.69	4217121.9	2.89E-07	3.12E-07	6.00E-07	2.50E-07	2.76E-07	5.26E-07	3.03E-08	4.47E-08	7.50E-08	2.64E-08	2.75E-08	5.39E-08
2447	566833.09	4217107.48	3.14E-07	3.39E-07	6.53E-07	2.73E-07	3.00E-07	5.73E-07	3.30E-08	4.86E-08	8.16E-08	2.87E-08	2.99E-08	5.86E-08
2448	566794.69	4217049.78	3.74E-07	4.04E-07	7.78E-07	3.25E-07	3.58E-07	6.82E-07	3.93E-08	5.79E-08	9.72E-08	3.42E-08	3.57E-08	6.99E-08
2449	566785.08	4217035.36	3.77E-07	4.07E-07	7.84E-07	3.27E-07	3.60E-07	6.87E-07	3.95E-08	5.83E-08	9.79E-08	3.44E-08	3.59E-08	7.04E-08
2450	566772.59	4217005.27	3.83E-07	4.13E-07	7.96E-07	3.32E-07	3.66E-07	6.98E-07	4.02E-08	5.93E-08	9.94E-08	3.50E-08	3.65E-08	7.15E-08
2451	566776.41	4216988.37	4.02E-07	4.34E-07	8.35E-07	3.48E-07	3.84E-07	7.32E-07	4.21E-08	6.22E-08	1.04E-07	3.67E-08	3.83E-08	7.50E-08
2452	566780.23	4216971.47	4.17E-07	4.50E-07	8.67E-07	3.62E-07	3.98E-07	7.60E-07	4.38E-08	6.46E-08	1.08E-07	3.81E-08	3.98E-08	7.79E-08
2453	566787.87	4216937.67	4.36E-07	4.71E-07	9.07E-07	3.78E-07	4.17E-07	7.95E-07	4.57E-08	6.75E-08	1.13E-07	3.98E-08	4.16E-08	8.14E-08
2454	566791.69	4216920.77	4.38E-07	4.73E-07	9.12E-07	3.80E-07	4.19E-07	7.99E-07	4.60E-08	6.79E-08	1.14E-07	4.01E-08	4.18E-08	8.18E-08
2455	566795.5	4216903.87	4.36E-07	4.70E-07	9.06E-07	3.78E-07	4.16E-07	7.94E-07	4.57E-08	6.75E-08	1.13E-07	3.98E-08	4.15E-08	8.14E-08
2456	566799.32	4216886.97	4.28E-07	4.62E-07	8.90E-07	3.72E-07	4.09E-07	7.81E-07	4.49E-08	6.63E-08	1.11E-07	3.91E-08	4.08E-08	7.99E-08
2457	566803.14	4216870.07	4.16E-07	4.49E-07	8.65E-07	3.61E-07	3.97E-07	7.58E-07	4.36E-08	6.44E-08	1.08E-07	3.80E-08	3.96E-08	7.76E-08
2458	566874.08	4217162.79	2.11E-07	2.27E-07	4.38E-07	1.83E-07	2.01E-07	3.84E-07	2.21E-08	3.26E-08	5.47E-08	1.92E-08	2.01E-08	3.93E-08
2459	566888.88	4217172.46	1.93E-07	2.08E-07	4.00E-07	1.67E-07	1.84E-07	3.51E-07	2.02E-08	2.98E-08	5.00E-08	1.76E-08	1.84E-08	3.59E-08
2460	566903.67	4217182.12	1.75E-07	1.88E-07	3.63E-07	1.51E-07	1.67E-07	3.18E-07	1.83E-08	2.70E-08	4.53E-08	1.59E-08	1.66E-08	3.26E-08

2461	566846.88	4217144.79	2.41E-07	2.60E-07	5.01E-07	2.09E-07	2.30E-07	4.39E-07	2.53E-08	3.73E-08	6.25E-08	2.20E-08	2.29E-08	4.49E-08
2462	566837.32	4217130.43	2.67E-07	2.88E-07	5.54E-07	2.31E-07	2.55E-07	4.86E-07	2.80E-08	4.13E-08	6.92E-08	2.43E-08	2.54E-08	4.98E-08
2463	566827.76	4217116.07	2.91E-07	3.14E-07	6.05E-07	2.52E-07	2.78E-07	5.30E-07	3.05E-08	4.50E-08	7.56E-08	2.66E-08	2.77E-08	5.43E-08
2464	566818.2	4217101.7	3.12E-07	3.37E-07	6.50E-07	2.71E-07	2.98E-07	5.69E-07	3.28E-08	4.84E-08	8.11E-08	2.85E-08	2.98E-08	5.83E-08
2465	566808.64	4217087.34	3.3E-07	3.56E-07	6.87E-07	2.86E-07	3.15E-07	6.02E-07	3.46E-08	5.11E-08	8.57E-08	3.02E-08	3.15E-08	6.16E-08
2466	566762.75	4217007.13	3.63E-07	3.92E-07	7.55E-07	3.15E-07	3.47E-07	6.62E-07	3.81E-08	5.62E-08	9.43E-08	3.32E-08	3.46E-08	6.78E-08
2467	566766.55	4216990.3	3.81E-07	4.11E-07	7.91E-07	3.30E-07	3.64E-07	6.94E-07	3.99E-08	5.89E-08	9.88E-08	3.48E-08	3.63E-08	7.10E-08
2468	566770.36	4216973.47	3.95E-07	4.27E-07	8.22E-07	3.43E-07	3.77E-07	7.20E-07	4.14E-08	6.12E-08	1.03E-07	3.61E-08	3.77E-08	7.38E-08
2469	566774.16	4216956.64	4.06E-07	4.39E-07	8.45E-07	3.53E-07	3.88E-07	7.41E-07	4.26E-08	6.29E-08	1.06E-07	3.71E-08	3.87E-08	7.59E-08
2470	566781.76	4216922.99	4.17E-07	4.50E-07	8.67E-07	3.62E-07	3.98E-07	7.60E-07	4.37E-08	6.45E-08	1.08E-07	3.81E-08	3.97E-08	7.78E-08
2471	566785.56	4216906.16	4.15E-07	4.48E-07	8.64E-07	3.60E-07	3.97E-07	7.57E-07	4.36E-08	6.43E-08	1.08E-07	3.79E-08	3.96E-08	7.75E-08
2472	566789.36	4216889.34	4.09E-07	4.42E-07	8.51E-07	3.55E-07	3.91E-07	7.46E-07	4.29E-08	6.34E-08	1.06E-07	3.74E-08	3.90E-08	7.64E-08
2473	566793.17	4216872.51	3.99E-07	4.31E-07	8.30E-07	3.46E-07	3.81E-07	7.28E-07	4.19E-08	6.18E-08	1.04E-07	3.65E-08	3.81E-08	7.45E-08
2474	566868.61	4217171.16	1.94E-07	2.10E-07	4.04E-07	1.69E-07	1.86E-07	3.54E-07	2.04E-08	3.01E-08	5.05E-08	1.78E-08	1.85E-08	3.63E-08
2475	566898.2	4217190.49	1.61E-07	1.74E-07	3.35E-07	1.40E-07	1.54E-07	2.94E-07	1.69E-08	2.50E-08	4.19E-08	1.47E-08	1.54E-08	3.01E-08
2476	566831.94	4217138.94	2.47E-07	2.66E-07	5.13E-07	2.14E-07	2.36E-07	4.49E-07	2.59E-08	3.82E-08	6.40E-08	2.25E-08	2.35E-08	4.60E-08
2477	566822.42	4217124.64	2.7E-07	2.91E-07	5.61E-07	2.34E-07	2.58E-07	4.92E-07	2.83E-08	4.17E-08	7.00E-08	2.46E-08	2.57E-08	5.03E-08
2478	566812.9	4217110.33	2.91E-07	3.14E-07	6.04E-07	2.52E-07	2.78E-07	5.30E-07	3.05E-08	4.50E-08	7.55E-08	2.65E-08	2.77E-08	5.42E-08
2479	566803.38	4217096.03	3.08E-07	3.33E-07	6.41E-07	2.67E-07	2.94E-07	5.62E-07	3.23E-08	4.77E-08	8.00E-08	2.82E-08	2.94E-08	5.75E-08
2480	566793.86	4217081.72	3.22E-07	3.48E-07	6.70E-07	2.80E-07	3.08E-07	5.87E-07	3.38E-08	4.99E-08	8.37E-08	2.94E-08	3.07E-08	6.02E-08
2481	566784.34	4217067.42	3.32E-07	3.59E-07	6.91E-07	2.88E-07	3.17E-07	6.06E-07	3.48E-08	5.14E-08	8.63E-08	3.03E-08	3.17E-08	6.20E-08
2482	566752.91	4217008.97	3.45E-07	3.73E-07	7.18E-07	2.99E-07	3.30E-07	6.29E-07	3.62E-08	5.34E-08	8.96E-08	3.15E-08	3.29E-08	6.44E-08
2483	566756.7	4216992.21	3.61E-07	3.90E-07	7.51E-07	3.13E-07	3.45E-07	6.58E-07	3.79E-08	5.59E-08	9.38E-08	3.30E-08	3.44E-08	6.74E-08
2484	566760.48	4216975.45	3.75E-07	4.05E-07	7.80E-07	3.25E-07	3.58E-07	6.83E-07	3.93E-08	5.80E-08	9.73E-08	3.42E-08	3.57E-08	7.00E-08
2485	566764.27	4216958.69	3.86E-07	4.16E-07	8.02E-07	3.35E-07	3.68E-07	7.03E-07	4.04E-08	5.97E-08	1.00E-07	3.52E-08	3.68E-08	7.20E-08
2486	566771.84	4216925.17	3.97E-07	4.28E-07	8.25E-07	3.44E-07	3.79E-07	7.23E-07	4.16E-08	6.14E-08	1.03E-07	3.62E-08	3.78E-08	7.40E-08
2487	566775.63	4216908.41	3.96E-07	4.28E-07	8.24E-07	3.44E-07	3.78E-07	7.22E-07	4.15E-08	6.13E-08	1.03E-07	3.62E-08	3.78E-08	7.39E-08
2488	566779.42	4216891.65	3.92E-07	4.23E-07	8.14E-07	3.40E-07	3.74E-07	7.14E-07	4.11E-08	6.06E-08	1.02E-07	3.58E-08	3.73E-08	7.31E-08
2489	566783.2	4216874.89	3.83E-07	4.14E-07	7.97E-07	3.33E-07	3.66E-07	6.99E-07	4.02E-08	5.93E-08	9.95E-08	3.50E-08	3.65E-08	7.15E-08
2490	566786.99	4216858.13	3.71E-07	4.01E-07	7.72E-07	3.22E-07	3.55E-07	6.77E-07	3.90E-08	5.75E-08	9.64E-08	3.39E-08	3.54E-08	6.93E-08
2491	566863.14	4217179.53	1.8E-07	1.94E-07	3.74E-07	1.56E-07	1.72E-07	3.28E-07	1.89E-08	2.78E-08	4.67E-08	1.64E-08	1.71E-08	3.36E-08
2492	566892.73	4217198.87	1.49E-07	1.61E-07	3.11E-07	1.30E-07	1.43E-07	2.72E-07	1.57E-08	2.31E-08	3.88E-08	1.37E-08	1.42E-08	2.79E-08
2493	566826.56	4217147.44	2.29E-07	2.47E-07	4.75E-07	1.98E-07	2.18E-07	4.17E-07	2.40E-08	3.54E-08	5.93E-08	2.09E-08	2.18E-08	4.27E-08
2494	566817.07	4217133.19	2.5E-07	2.70E-07	5.20E-07	2.17E-07	2.39E-07	4.56E-07	2.62E-08	3.87E-08	6.50E-08	2.29E-08	2.39E-08	4.67E-08
2495	566807.59	4217118.94	2.7E-07	2.92E-07	5.62E-07	2.35E-07	2.58E-07	4.93E-07	2.84E-08	4.19E-08	7.02E-08	2.47E-08	2.58E-08	5.05E-08
2496	566798.1	4217104.68	2.88E-07	3.11E-07	5.99E-07	2.50E-07	2.75E-07	5.25E-07	3.02E-08	4.46E-08	7.48E-08	2.63E-08	2.74E-08	5.37E-08
2497	566788.61	4217090.43	3.02E-07	3.26E-07	6.28E-07	2.62E-07	2.89E-07	5.51E-07	3.17E-08	4.68E-08	7.85E-08	2.76E-08	2.88E-08	5.64E-08
2498	566779.13	4217076.18	3.13E-07	3.38E-07	6.51E-07	2.71E-07	2.99E-07	5.70E-07	3.28E-08	4.84E-08	8.12E-08	2.86E-08	2.98E-08	5.84E-08
2499	566769.64	4217061.93	3.2E-07	3.45E-07	6.65E-07	2.78E-07	3.06E-07	5.83E-07	3.35E-08	4.95E-08	8.31E-08	2.92E-08	3.05E-08	5.97E-08
2500	566743.07	4217010.82	3.28E-07	3.55E-07	6.83E-07	2.85E-07	3.14E-07	5.99E-07	3.44E-08	5.08E-08	8.53E-08	3.00E-08	3.13E-08	6.13E-08
2501	566746.84	4216994.12	3.43E-07	3.71E-07	7.14E-07	2.98E-07	3.28E-07	6.26E-07	3.60E-08	5.31E-08	8.92E-08	3.14E-08	3.27E-08	6.41E-08
2502	566750.62	4216977.42	3.56E-07	3.85E-07	7.41E-07	3.09E-07	3.40E-07	6.49E-07	3.74E-08	5.51E-08	9.25E-08	3.25E-08	3.40E-08	6.65E-08
2503	566754.39	4216960.72	3.66E-07	3.96E-07	7.62E-07	3.18E-07	3.50E-07	6.68E-07	3.84E-08	5.67E-08	9.52E-08	3.35E-08	3.49E-08	6.84E-08
2504	566758.16	4216944.02	3.74E-07	4.03E-07	7.77E-07	3.24E-07	3.57E-07	6.81E-07	3.92E-08	5.79E-08	9.71E-08	3.41E-08	3.56E-08	6.98E-08
2505	566765.71	4216910.62	3.78E-07	4.08E-07	7.86E-07	3.28E-07	3.61E-07	6.89E-07	3.97E-08	5.85E-08	9.82E-08	3.45E-08	3.60E-08	7.06E-08
2506	566769.48	4216893.92	3.75E-07	4.05E-07	7.79E-07	3.25E-07	3.58E-07	6.83E-07	3.93E-08	5.80E-08	9.73E-08	3.42E-08	3.57E-08	7.00E-08
2507	566773.25	4216877.22	3.68E-07	3.97E-07	7.65E-07	3.19E-07	3.52E-07	6.71E-07	3.86E-08	5.70E-08	9.56E-08	3.36E-08	3.51E-08	6.87E-08
2508	566777.03	4216860.52	3.58E-07	3.86E-07	7.44E-07	3.11E-07	3.42E-07	6.52E-07	3.75E-08	5.54E-08	9.29E-08	3.27E-08	3.41E-08	6.68E-08
2509	566857.67	4217187.9	1.67E-07	1.80E-07	3.47E-07	1.45E-07	1.59E-07	3.04E-07	1.75E-08	2.58E-08	4.33E-08	1.52E-08	1.59E-08	3.11E-08
2510	566872.47	4217197.57	1.53E-07	1.65E-07	3.18E-07	1.32E-07	1.46E-07	2.78E-07	1.60E-08	2.36E-08	3.97E-08	1.39E-08	1.46E-08	2.85E-08
2511	566887.26	4217207.24	1.39E-07	1.50E-07	2.89E-07	1.21E-07	1.33E-07	2.53E-07	1.46E-08	2.15E-08	3.61E-08	1.27E-08	1.32E-08	2.59E-08
2512	566821.17	4217155.93	2.12E-07	2.29E-07	4.41E-07	1.84E-07	2.03E-07	3.87E-07	2.23E-08	3.29E-08	5.51E-08	1.94E-08	2.02E-08	3.96E-08
2513	566811.71	4217141.73	2.33E-07	2.51E-07	4.84E-07	2.02E-07	2.22E-07	4.24E-07	2.44E-08	3.60E-08	6.04E-08	2.12E-08	2.22E-08	4.34E-08
2514	566802.26	4217127.52	2.52E-07	2.72E-07	5.24E-07	2.19E-07	2.41E-07	4.59E-07	2.64E-08	3.90E-08	6.54E-08	2.30E-08	2.40E-08	4.70E-08
2515	566792.8	4217113.32	2.69E-07	2.90E-07	5.60E-07	2.33E-07	2.57E-07	4.91E-07	2.82E-08	4.17E-08	6.99E-08	2.46E-08	2.56E-08	5.02E-08
2516	566783.35	4217099.11	2.83E-07	3.06E-07	5.89E-07	2.46E-07	2.71E-07	5.17E-07	2.97E-08	4.39E-08	7.36E-08	2.59E-08	2.70E-08	5.29E-08
2517	566773.9	4217084.91	2.95E-07	3.18E-07	6.13E-07	2.56E-07	2.81E-07	5.37E-07	3.09E-08	4.56E-08	7.65E-08	2.69E-08	2.81E-08	5.50E-08
2518	566764.44	4217070.7	3.03E-07	3.27E-07	6.29E-07	2.62E-07	2.89E-07	5.51E-07	3.17E-08	4.68E-08	7.86E-08	2.76E-08	2.88E-08	5.65E-08
2519	566745.53	4217042.29	3.08E-07	3.33E-07	6.41E-07	2.68E-07	2.95E-07	5.62E-07	3.24E-08	4.77E-08	8.01E-08	2.82E-08	2.94E-08	5.76E-08
2520	566736.99	4216996.02	3.27E-07	3.53E-07	6.80E-07	2.84E-07	3.12E-07	5.96E-07	3.43E-08	5.06E-08	8.49E-08	2.99E-08	3.12E-08	6.10E-08
2521	566740.75	4216979.37	3.39E-07	3.66E-07	7.05E-07	2.94E-07	3.24E-07	6.18E-07	3.56E-08	5.25E-08	8.80E-08	3.10E-08	3.23E-08	6.33E-08
2522	566744.51	4216962.73	3.49E-07	3.76E-07	7.25E-07	3.03E-07	3.33E-07	6.36E-07	3.66E-08	5.40E-08	9.06E-08	3.19E-08	3.32E-08	6.51E-08
2523	566748.27	4216946.09	3.56E-07	3.84E-07	7.40E-07	3.09E-07	3.40E-07	6.49E-07	3.73E-08	5.51E-08	9.24E-08	3.25E-08	3.39E-08	6.64E-08
2524	566755.79	4216912.8	3.61E-07	3.90E-07	7.51E-07	3.13E-07	3.45E-07	6.58E-07	3.79E-08	5.59E-08	9.38E-08	3.30E-08	3.44E-08	6.74E-08
2525	566759.55	4216896.15	3.59E-07	3.87E-07	7.46E-07	3.11E-07	3.43E-07	6.54E-07	3.76E-08	5.56E-08	9.32E-08	3.28E-08	3.42E-08	6.70E-08
2526	566763.31	4216879.51	3.53E-07	3.82E-07	7.35E-07	3.07E-07	3.38E-07	6.44E-07	3.71E-08	5.47E-08	9.18E-08	3.23E-08	3.37E-08	6.60E-08
2527	566767.07	4216862.87	3.45E-07	3.72E-07	7.17E-07	2.99E-07	3.29E-07	6.29E-07	3.62E-08	5.34E-08	8.96E-08	3.15E-08	3.29E-08	6.44E-08
2528	566770.83	4216846.22	3.34E-07	3.60E-07	6.94E-07	2.89E-07	3.19E-07	6.08E-07	3.50E-08	5.16E-08	8.66E-08	3.05E-08	3.18E-08	6.23E-08
2529	566852.2	4217196.28	1.55E-07	1.67E-07	3.23E-07	1.35E-07	1.48E-07	2.83E-07	1.63E-08	2.40E-08	4.03E-08	1.42E-08	1.48E-08	2.90E-08
2530	566867	4217205.94	1.42E-07	1.53E-07	2.95E-07	1.23E-07	1.36E-07	2.59E-07	1.49E-08	2.20E-08	3.69E-08	1.30E-08	1.35E-08	2.65E-08
2531	566815.77	4217164.41	1.98E-07	2.13E-07	4.11E-07	1.71E-07	1.89E-07	3.60E-07	2.07E-08	3.06E-08	5.13E-08	1.80E-08	1.88E-08	3.69E-08
2532	566806.35	4217150.25	2.17E-07	2.34E-07	4.50E-07	1.88E-07	2.07E-07	3.95E-07	2.27E-08	3.35E-08	5.62E-08	1.98E-08	2.06E-08	4.04E-08
2533	566796.92	4217136.09	2.35E-07	2.53E-07	4.88E-07	2.04E-07	2.24E-07	4.28E-07	2.46E-08	3.63E-08	6.10E-08	2.14E-08	2.24E-08	4.38E-08
2534	566787.49	4217121.93	2.52E-07	2.72E-07	5.23E-07	2.18E-07	2.40E-07	4.59E-07	2.64E-08	3.89E-08	6.53E-08	2.30E-08	2.40E-08	4.70E-08
2535	566778.07	4217107.77	2.66E-07	2.87E-07	5.53E-07	2.31E-07	2.54E-07	4.85E-07	2.79E-08	4.12E-08	6.91E-08	2.43E-08	2.53E-08	4.96E-08
2536	566768.64	4217093.61	2.77E-07	2.99E-07	5.77E-07	2.41E-07	2.65E-07	5.06E-07	2.91E-08	4.29E-08	7.20E-08	2.53E-08	2.64E-08	5.18E-08
2537	566759.22	4217079.44	2.86E-07	3.09E-07	5.95E-07	2.48E-07	2.73E-07	5.21E-07	3.00E-08	4.43E-08	7.43E-08	2.61E-08	2.73E-08	5.34E-08

2538	566740.37	4217051.12	2.94E-07	3.18E-07	6.12E-07	2.55E-07	2.81E-07	5.36E-07	3.09E-08	4.55E-08	7.64E-08	2.69E-08	2.80E-08	5.49E-08
2539	566730.94	4217036.96	2.94E-07	3.17E-07	6.11E-07	2.55E-07	2.81E-07	5.36E-07	3.08E-08	4.55E-08	7.64E-08	2.69E-08	2.80E-08	5.49E-08
2540	566727.14	4216997.91	3.12E-07	3.36E-07	6.48E-07	2.70E-07	2.98E-07	5.68E-07	3.27E-08	4.82E-08	8.09E-08	2.85E-08	2.97E-08	5.82E-08
2541	566730.89	4216981.32	3.23E-07	3.49E-07	6.72E-07	2.80E-07	3.09E-07	5.89E-07	3.39E-08	5.00E-08	8.39E-08	2.95E-08	3.08E-08	6.03E-08
2542	566734.64	4216964.72	3.32E-07	3.59E-07	6.91E-07	2.88E-07	3.17E-07	6.06E-07	3.49E-08	5.14E-08	8.63E-08	3.04E-08	3.17E-08	6.20E-08
2543	566738.39	4216948.13	3.39E-07	3.66E-07	7.06E-07	2.94E-07	3.24E-07	6.19E-07	3.56E-08	5.25E-08	8.81E-08	3.10E-08	3.23E-08	6.33E-08
2544	566742.13	4216931.54	3.44E-07	3.71E-07	7.15E-07	2.98E-07	3.28E-07	6.27E-07	3.61E-08	5.32E-08	8.93E-08	3.14E-08	3.28E-08	6.42E-08
2545	566749.63	4216898.35	3.44E-07	3.71E-07	7.15E-07	2.98E-07	3.28E-07	6.27E-07	3.61E-08	5.32E-08	8.93E-08	3.14E-08	3.28E-08	6.42E-08
2546	566753.38	4216881.76	3.4E-07	3.66E-07	7.06E-07	2.95E-07	3.24E-07	6.19E-07	3.56E-08	5.26E-08	8.82E-08	3.10E-08	3.24E-08	6.34E-08
2547	566757.13	4216865.17	3.32E-07	3.59E-07	6.91E-07	2.88E-07	3.17E-07	6.06E-07	3.49E-08	5.14E-08	8.63E-08	3.04E-08	3.17E-08	6.20E-08
2548	566760.88	4216848.57	3.23E-07	3.48E-07	6.71E-07	2.80E-07	3.08E-07	5.88E-07	3.38E-08	4.99E-08	8.38E-08	2.95E-08	3.07E-08	6.02E-08
2549	566846.73	4217204.65	1.45E-07	1.56E-07	3.01E-07	1.25E-07	1.38E-07	2.64E-07	1.52E-08	2.24E-08	3.75E-08	1.32E-08	1.38E-08	2.70E-08
2550	566861.53	4217214.31	1.32E-07	1.43E-07	2.75E-07	1.15E-07	1.26E-07	2.41E-07	1.39E-08	2.05E-08	3.44E-08	1.21E-08	1.26E-08	2.47E-08
2551	566809.43	4217171.47	1.86E-07	2.01E-07	3.87E-07	1.61E-07	1.78E-07	3.39E-07	1.95E-08	2.88E-08	4.83E-08	1.70E-08	1.77E-08	3.47E-08
2552	566799.65	4217156.78	2.04E-07	2.21E-07	4.25E-07	1.77E-07	1.95E-07	3.73E-07	2.14E-08	3.16E-08	5.31E-08	1.87E-08	1.95E-08	3.82E-08
2553	566789.88	4217142.1	2.22E-07	2.40E-07	4.62E-07	1.93E-07	2.12E-07	4.05E-07	2.33E-08	3.44E-08	5.77E-08	2.03E-08	2.12E-08	4.15E-08
2554	566780.1	4217127.41	2.39E-07	2.58E-07	4.96E-07	2.07E-07	2.28E-07	4.35E-07	2.50E-08	3.69E-08	6.20E-08	2.18E-08	2.27E-08	4.45E-08
2555	566765.44	4217105.39	2.59E-07	2.80E-07	5.39E-07	2.25E-07	2.47E-07	4.72E-07	2.72E-08	4.01E-08	6.72E-08	2.37E-08	2.47E-08	4.83E-08
2556	566755.67	4217090.7	2.69E-07	2.90E-07	5.59E-07	2.33E-07	2.57E-07	4.90E-07	2.82E-08	4.16E-08	6.98E-08	2.46E-08	2.56E-08	5.02E-08
2557	566736.12	4217061.33	2.8E-07	3.02E-07	5.82E-07	2.43E-07	2.68E-07	5.10E-07	2.94E-08	4.33E-08	7.27E-08	2.56E-08	2.67E-08	5.23E-08
2558	566726.34	4217046.64	2.81E-07	3.04E-07	5.85E-07	2.44E-07	2.69E-07	5.13E-07	2.95E-08	4.35E-08	7.31E-08	2.57E-08	2.68E-08	5.25E-08
2559	566716.57	4217031.96	2.8E-07	3.02E-07	5.83E-07	2.43E-07	2.68E-07	5.11E-07	2.94E-08	4.34E-08	7.27E-08	2.56E-08	2.67E-08	5.23E-08
2560	566713.63	4217016.01	2.86E-07	3.08E-07	5.94E-07	2.48E-07	2.73E-07	5.20E-07	2.99E-08	4.42E-08	7.41E-08	2.61E-08	2.72E-08	5.33E-08
2561	566719.46	4216990.2	3.04E-07	3.28E-07	6.32E-07	2.64E-07	2.90E-07	5.54E-07	3.19E-08	4.70E-08	7.89E-08	2.78E-08	2.90E-08	5.67E-08
2562	566723.34	4216972.99	3.14E-07	3.39E-07	6.53E-07	2.72E-07	3.00E-07	5.72E-07	3.29E-08	4.86E-08	8.15E-08	2.87E-08	2.99E-08	5.86E-08
2563	566727.23	4216955.79	3.22E-07	3.47E-07	6.69E-07	2.79E-07	3.07E-07	5.87E-07	3.38E-08	4.98E-08	8.36E-08	2.94E-08	3.07E-08	6.01E-08
2564	566729.18	4216947.18	3.25E-07	3.51E-07	6.76E-07	2.82E-07	3.10E-07	5.92E-07	3.41E-08	5.03E-08	8.44E-08	2.97E-08	3.10E-08	6.06E-08
2565	566733.06	4216929.97	3.29E-07	3.55E-07	6.84E-07	2.85E-07	3.14E-07	6.00E-07	3.45E-08	5.09E-08	8.54E-08	3.01E-08	3.14E-08	6.14E-08
2566	566738.9	4216904.16	3.3E-07	3.56E-07	6.86E-07	2.86E-07	3.15E-07	6.02E-07	3.46E-08	5.11E-08	8.57E-08	3.01E-08	3.15E-08	6.16E-08
2567	566742.78	4216886.96	3.27E-07	3.53E-07	6.80E-07	2.84E-07	3.12E-07	5.96E-07	3.43E-08	5.06E-08	8.49E-08	2.99E-08	3.12E-08	6.11E-08
2568	566746.67	4216869.75	3.21E-07	3.47E-07	6.68E-07	2.79E-07	3.07E-07	5.86E-07	3.37E-08	4.97E-08	8.34E-08	2.93E-08	3.06E-08	6.00E-08
2569	566750.56	4216852.54	3.13E-07	3.38E-07	6.50E-07	2.71E-07	2.99E-07	5.70E-07	3.28E-08	4.84E-08	8.12E-08	2.86E-08	2.98E-08	5.84E-08
2570	566754.45	4216835.33	3.02E-07	3.26E-07	6.28E-07	2.62E-07	2.88E-07	5.50E-07	3.17E-08	4.67E-08	7.84E-08	2.76E-08	2.88E-08	5.64E-08
2571	566841.26	4217213.02	1.35E-07	1.46E-07	2.80E-07	1.17E-07	1.29E-07	2.46E-07	1.41E-08	2.09E-08	3.50E-08	1.23E-08	1.29E-08	2.52E-08
2572	566856.06	4217222.68	1.24E-07	1.34E-07	2.57E-07	1.07E-07	1.18E-07	2.25E-07	1.30E-08	1.91E-08	3.21E-08	1.13E-08	1.18E-08	2.31E-08
2573	566870.85	4217232.35	1.13E-07	1.22E-07	2.35E-07	9.81E-08	1.08E-07	2.06E-07	1.19E-08	1.75E-08	2.94E-08	1.03E-08	1.08E-08	2.11E-08
2574	566823.53	4217209.24	1.39E-07	1.50E-07	2.90E-07	1.21E-07	1.33E-07	2.54E-07	1.46E-08	2.16E-08	3.62E-08	1.27E-08	1.33E-08	2.60E-08
2575	566784.59	4217150.74	2.08E-07	2.24E-07	4.32E-07	1.80E-07	1.98E-07	3.79E-07	2.18E-08	3.21E-08	5.39E-08	1.90E-08	1.98E-08	3.88E-08
2576	566774.86	4217136.12	2.23E-07	2.41E-07	4.65E-07	1.94E-07	2.13E-07	4.07E-07	2.34E-08	3.46E-08	5.80E-08	2.04E-08	2.13E-08	4.17E-08
2577	566765.12	4217121.49	2.38E-07	2.56E-07	4.94E-07	2.06E-07	2.27E-07	4.33E-07	2.49E-08	3.68E-08	6.17E-08	2.17E-08	2.26E-08	4.43E-08
2578	566755.39	4217106.87	2.49E-07	2.69E-07	5.18E-07	2.16E-07	2.38E-07	4.54E-07	2.61E-08	3.86E-08	6.47E-08	2.28E-08	2.37E-08	4.65E-08
2579	566745.65	4217092.24	2.58E-07	2.79E-07	5.37E-07	2.24E-07	2.47E-07	4.71E-07	2.71E-08	4.00E-08	6.70E-08	2.36E-08	2.46E-08	4.82E-08
2580	566726.18	4217062.99	2.68E-07	2.89E-07	5.57E-07	2.33E-07	2.56E-07	4.89E-07	2.81E-08	4.15E-08	6.96E-08	2.45E-08	2.56E-08	5.00E-08
2581	566716.45	4217048.37	2.69E-07	2.91E-07	5.60E-07	2.34E-07	2.57E-07	4.91E-07	2.82E-08	4.17E-08	6.99E-08	2.46E-08	2.57E-08	5.02E-08
2582	566706.71	4217033.74	2.68E-07	2.89E-07	5.57E-07	2.33E-07	2.56E-07	4.89E-07	2.81E-08	4.15E-08	6.96E-08	2.45E-08	2.56E-08	5.00E-08
2583	566703.78	4217017.86	2.73E-07	2.95E-07	5.68E-07	2.37E-07	2.61E-07	4.98E-07	2.86E-08	4.23E-08	7.09E-08	2.49E-08	2.60E-08	5.10E-08
2584	566711.53	4216983.59	2.95E-07	3.19E-07	6.14E-07	2.56E-07	2.82E-07	5.38E-07	3.10E-08	4.57E-08	7.67E-08	2.70E-08	2.81E-08	5.51E-08
2585	566715.4	4216966.45	3.04E-07	3.28E-07	6.32E-07	2.64E-07	2.90E-07	5.54E-07	3.19E-08	4.70E-08	7.89E-08	2.78E-08	2.90E-08	5.67E-08
2586	566719.27	4216949.32	3.1E-07	3.35E-07	6.46E-07	2.69E-07	2.97E-07	5.66E-07	3.26E-08	4.81E-08	8.06E-08	2.84E-08	2.96E-08	5.80E-08
2587	566721.21	4216940.75	3.13E-07	3.38E-07	6.51E-07	2.72E-07	2.99E-07	5.70E-07	3.28E-08	4.84E-08	8.13E-08	2.86E-08	2.98E-08	5.84E-08
2588	566725.08	4216923.61	3.16E-07	3.41E-07	6.57E-07	2.74E-07	3.02E-07	5.76E-07	3.31E-08	4.89E-08	8.21E-08	2.89E-08	3.01E-08	5.90E-08
2589	566732.82	4216889.34	3.14E-07	3.39E-07	6.54E-07	2.73E-07	3.00E-07	5.73E-07	3.30E-08	4.87E-08	8.16E-08	2.87E-08	3.00E-08	5.87E-08
2590	566736.69	4216872.2	3.1E-07	3.34E-07	6.44E-07	2.69E-07	2.96E-07	5.64E-07	3.25E-08	4.79E-08	8.04E-08	2.83E-08	2.95E-08	5.78E-08
2591	566740.57	4216855.06	3.02E-07	3.26E-07	6.29E-07	2.62E-07	2.89E-07	5.51E-07	3.17E-08	4.68E-08	7.85E-08	2.76E-08	2.88E-08	5.65E-08
2592	566835.79	4217221.39	1.26E-07	1.36E-07	2.62E-07	1.09E-07	1.20E-07	2.30E-07	1.32E-08	1.95E-08	3.27E-08	1.15E-08	1.20E-08	2.35E-08
2593	566850.59	4217231.06	1.16E-07	1.25E-07	2.41E-07	1.00E-07	1.11E-07	2.11E-07	1.21E-08	1.79E-08	3.00E-08	1.06E-08	1.10E-08	2.16E-08
2594	566865.38	4217240.72	1.06E-07	1.14E-07	2.20E-07	9.19E-08	1.01E-07	1.93E-07	1.11E-08	1.64E-08	2.75E-08	9.68E-09	1.01E-08	1.98E-08
2595	566818.08	4217217.64	1.3E-07	1.41E-07	2.71E-07	1.13E-07	1.24E-07	2.38E-07	1.37E-08	2.02E-08	3.38E-08	1.19E-08	1.24E-08	2.43E-08
2596	566798.68	4217188.5	1.62E-07	1.75E-07	3.37E-07	1.41E-07	1.55E-07	2.95E-07	1.70E-08	2.51E-08	4.21E-08	1.48E-08	1.54E-08	3.02E-08
2597	566769.59	4217144.8	2.09E-07	2.26E-07	4.35E-07	1.82E-07	2.00E-07	3.82E-07	2.20E-08	3.24E-08	5.44E-08	1.91E-08	2.00E-08	3.91E-08
2598	566759.89	4217130.23	2.23E-07	2.41E-07	4.64E-07	1.94E-07	2.13E-07	4.07E-07	2.34E-08	3.45E-08	5.79E-08	2.04E-08	2.13E-08	4.16E-08
2599	566750.2	4217115.66	2.35E-07	2.54E-07	4.89E-07	2.04E-07	2.24E-07	4.28E-07	2.46E-08	3.64E-08	6.10E-08	2.15E-08	2.24E-08	4.39E-08
2600	566740.5	4217101.09	2.44E-07	2.64E-07	5.08E-07	2.12E-07	2.33E-07	4.45E-07	2.56E-08	3.78E-08	6.34E-08	2.23E-08	2.33E-08	4.56E-08
2601	566721.11	4217071.95	2.56E-07	2.76E-07	5.31E-07	2.22E-07	2.44E-07	4.66E-07	2.68E-08	3.96E-08	6.64E-08	2.33E-08	2.44E-08	4.77E-08
2602	566711.41	4217057.38	2.58E-07	2.78E-07	5.36E-07	2.24E-07	2.46E-07	4.70E-07	2.70E-08	3.99E-08	6.69E-08	2.35E-08	2.46E-08	4.81E-08
2603	566701.71	4217042.81	2.58E-07	2.78E-07	5.36E-07	2.23E-07	2.46E-07	4.69E-07	2.70E-08	3.99E-08	6.69E-08	2.35E-08	2.45E-08	4.81E-08
2604	566693.94	4217019.71	2.62E-07	2.82E-07	5.44E-07	2.27E-07	2.50E-07	4.77E-07	2.74E-08	4.05E-08	6.79E-08	2.39E-08	2.49E-08	4.88E-08
2605	566697.8	4217002.64	2.73E-07	2.94E-07	5.67E-07	2.36E-07	2.60E-07	4.97E-07	2.86E-08	4.22E-08	7.08E-08	2.49E-08	2.60E-08	5.09E-08
2606	566701.66	4216985.57	2.82E-07	3.05E-07	5.87E-07	2.45E-07	2.70E-07	5.15E-07	2.96E-08	4.37E-08	7.33E-08	2.58E-08	2.69E-08	5.27E-08
2607	566705.51	4216968.5	2.91E-07	3.14E-07	6.04E-07	2.52E-07	2.78E-07	5.30E-07	3.05E-08	4.50E-08	7.55E-08	2.65E-08	2.77E-08	5.42E-08
2608	566709.37	4216951.43	2.97E-07	3.21E-07	6.18E-07	2.58E-07	2.84E-07	5.41E-07	3.12E-08	4.60E-08	7.71E-08	2.71E-08	2.83E-08	5.54E-08
2609	566713.23	4216934.36	3.01E-07	3.25E-07	6.27E-07	2.61E-07	2.88E-07	5.49E-07	3.16E-08	4.66E-08	7.83E-08	2.75E-08	2.87E-08	5.63E-08
2610	566717.08	4216917.28	3.03E-07	3.28E-07	6.31E-07	2.63E-07	2.90E-07	5.53E-07	3.18E-08	4.70E-08	7.88E-08	2.77E-08	2.89E-08	5.66E-08
2611	566722.87	4216891.68	3.02E-07	3.26E-07	6.29E-07	2.62E-07	2.89E-07	5.51E-07	3.17E-08	4.68E-08	7.85E-08	2.76E-08	2.88E-08	5.64E-08
2612	566726.73	4216874.61	2.98E-07	3.22E-07	6.21E-07	2.59E-07	2.85E-07	5.44E-07	3.13E-08	4.62E-08	7.75E-08	2.73E-08	2.84E-08	5.57E-08
2613	566830.32	4217229.76	1.18E-07	1.27E-07	2.46E-07	1.02E-07	1.13E-07	2.15E-07	1.24E-08	1.83E-08	3.07E-08	1.08E-08	1.13E-08	2.20E-08
2614	566845.12	4217239.43	1.08E-07	1.17E-07	2.26E-07	9.41E-08	1.04E-07	1.98E-07	1.14E-08	1.68E-08	2.82E-08	9.91E-09	1.03E-08	2.02E-08

2615	566859.91	4217249.09	9.95E-08	1.07E-07	2.07E-07	8.63E-08	9.50E-08	1.81E-07	1.04E-08	1.54E-08	2.58E-08	9.09E-09	9.48E-09	1.86E-08
2616	566812.62	4217226.04	1.22E-07	1.32E-07	2.54E-07	1.06E-07	1.17E-07	2.23E-07	1.28E-08	1.89E-08	3.17E-08	1.12E-08	1.16E-08	2.28E-08
2617	566793.3	4217197.01	1.52E-07	1.64E-07	3.15E-07	1.32E-07	1.45E-07	2.76E-07	1.59E-08	2.35E-08	3.94E-08	1.38E-08	1.44E-08	2.83E-08
2618	566783.64	4217182.49	1.67E-07	1.80E-07	3.47E-07	1.45E-07	1.60E-07	3.04E-07	1.75E-08	2.59E-08	4.34E-08	1.53E-08	1.59E-08	3.12E-08
2619	566773.97	4217167.97	1.82E-07	1.97E-07	3.79E-07	1.58E-07	1.74E-07	3.32E-07	1.91E-08	2.82E-08	4.73E-08	1.66E-08	1.74E-08	3.40E-08
2620	566744.99	4217124.42	2.21E-07	2.39E-07	4.60E-07	1.92E-07	2.12E-07	4.04E-07	2.32E-08	3.43E-08	5.75E-08	2.02E-08	2.11E-08	4.13E-08
2621	566735.32	4217109.9	2.31E-07	2.49E-07	4.80E-07	2.00E-07	2.21E-07	4.21E-07	2.42E-08	3.58E-08	6.00E-08	2.11E-08	2.20E-08	4.31E-08
2622	566716	4217080.87	2.43E-07	2.63E-07	5.06E-07	2.11E-07	2.33E-07	4.44E-07	2.55E-08	3.77E-08	6.32E-08	2.22E-08	2.32E-08	4.54E-08
2623	566706.34	4217066.35	2.46E-07	2.66E-07	5.12E-07	2.14E-07	2.35E-07	4.49E-07	2.58E-08	3.81E-08	6.40E-08	2.25E-08	2.35E-08	4.60E-08
2624	566696.67	4217051.84	2.47E-07	2.67E-07	5.14E-07	2.14E-07	2.36E-07	4.51E-07	2.59E-08	3.83E-08	6.42E-08	2.26E-08	2.36E-08	4.61E-08
2625	566687.01	4217037.32	2.46E-07	2.66E-07	5.12E-07	2.14E-07	2.35E-07	4.49E-07	2.58E-08	3.81E-08	6.39E-08	2.25E-08	2.35E-08	4.59E-08
2626	566684.1	4217021.56	2.5E-07	2.70E-07	5.21E-07	2.17E-07	2.39E-07	4.57E-07	2.63E-08	3.88E-08	6.50E-08	2.29E-08	2.39E-08	4.68E-08
2627	566687.94	4217004.55	2.61E-07	2.82E-07	5.43E-07	2.26E-07	2.49E-07	4.76E-07	2.74E-08	4.04E-08	6.78E-08	2.38E-08	2.49E-08	4.87E-08
2628	566695.63	4216970.53	2.78E-07	3.00E-07	5.78E-07	2.41E-07	2.66E-07	5.07E-07	2.92E-08	4.31E-08	7.22E-08	2.54E-08	2.65E-08	5.19E-08
2629	566699.47	4216953.52	2.84E-07	3.07E-07	5.91E-07	2.47E-07	2.72E-07	5.18E-07	2.98E-08	4.40E-08	7.39E-08	2.60E-08	2.71E-08	5.31E-08
2630	566703.32	4216936.51	2.89E-07	3.12E-07	6.01E-07	2.51E-07	2.76E-07	5.26E-07	3.03E-08	4.47E-08	7.50E-08	2.64E-08	2.75E-08	5.39E-08
2631	566707.16	4216919.5	2.91E-07	3.14E-07	6.06E-07	2.53E-07	2.78E-07	5.31E-07	3.05E-08	4.51E-08	7.56E-08	2.66E-08	2.78E-08	5.44E-08
2632	566730.22	4216817.44	2.61E-07	2.82E-07	5.44E-07	2.27E-07	2.50E-07	4.77E-07	2.74E-08	4.05E-08	6.79E-08	2.39E-08	2.49E-08	4.88E-08
2633	566824.85	4217238.13	1.11E-07	1.20E-07	2.31E-07	9.62E-08	1.06E-07	2.02E-07	1.16E-08	1.72E-08	2.88E-08	1.01E-08	1.06E-08	2.07E-08
2634	566839.65	4217247.8	1.02E-07	1.10E-07	2.12E-07	8.84E-08	9.74E-08	1.86E-07	1.07E-08	1.58E-08	2.65E-08	9.31E-09	9.72E-09	1.90E-08
2635	566854.44	4217257.46	9.36E-08	1.01E-07	1.95E-07	8.12E-08	8.94E-08	1.71E-07	9.82E-09	1.45E-08	2.43E-08	8.55E-09	8.92E-09	1.75E-08
2636	567028.78	4217030.96	2.15E-06	2.32E-06	4.46E-06	1.86E-06	2.05E-06	3.91E-06	2.25E-07	3.32E-07	5.57E-07	1.96E-07	2.05E-07	4.01E-07
2637	567018.45	4217028.67	1.97E-06	2.13E-06	4.10E-06	1.71E-06	1.88E-06	3.59E-06	2.07E-07	3.05E-07	5.12E-07	1.80E-07	1.88E-07	3.68E-07
2638	567040.63	4217040.44	2.01E-06	2.17E-06	4.17E-06	1.74E-06	1.92E-06	3.66E-06	2.10E-07	3.11E-07	5.21E-07	1.83E-07	1.91E-07	3.75E-07
2639	567029.22	4217040.64	1.74E-06	1.88E-06	3.61E-06	1.51E-06	1.66E-06	3.17E-06	1.82E-07	2.69E-07	4.51E-07	1.59E-07	1.66E-07	3.24E-07
2640	567017.41	4217038.02	1.62E-06	1.75E-06	3.37E-06	1.41E-06	1.55E-06	2.95E-06	1.70E-07	2.51E-07	4.21E-07	1.48E-07	1.54E-07	3.02E-07
2641	567055.69	4217042.82	2.32E-06	2.50E-06	4.82E-06	2.01E-06	2.21E-06	4.22E-06	2.43E-07	3.59E-07	6.02E-07	2.12E-07	2.21E-07	4.33E-07
2642	567045.39	4217048.5	1.71E-06	1.85E-06	3.56E-06	1.49E-06	1.64E-06	3.12E-06	1.80E-07	2.65E-07	4.45E-07	1.57E-07	1.63E-07	3.20E-07
2643	567034.69	4217051.43	1.43E-06	1.55E-06	2.98E-06	1.24E-06	1.37E-06	2.61E-06	1.50E-07	2.22E-07	3.72E-07	1.31E-07	1.37E-07	2.67E-07
2644	567023.2	4217048.89	1.37E-06	1.48E-06	2.86E-06	1.19E-06	1.31E-06	2.50E-06	1.44E-07	2.13E-07	3.57E-07	1.26E-07	1.31E-07	2.56E-07
2645	567011.72	4217046.34	1.32E-06	1.42E-06	2.73E-06	1.14E-06	1.26E-06	2.40E-06	1.38E-07	2.04E-07	3.42E-07	1.20E-07	1.25E-07	2.45E-07
2646	567063.55	4217049.18	2.08E-06	2.25E-06	4.33E-06	1.81E-06	1.99E-06	3.80E-06	2.19E-07	3.22E-07	5.41E-07	1.90E-07	1.99E-07	3.89E-07
2647	567053.43	4217054.75	1.56E-06	1.68E-06	3.24E-06	1.35E-06	1.49E-06	2.84E-06	1.63E-07	2.41E-07	4.05E-07	1.42E-07	1.49E-07	2.91E-07
2648	567043.31	4217060.32	1.24E-06	1.33E-06	2.57E-06	1.07E-06	1.18E-06	2.25E-06	1.30E-07	1.91E-07	3.21E-07	1.13E-07	1.18E-07	2.31E-07
2649	567081.31	4217050.08	2.67E-06	2.88E-06	5.55E-06	2.31E-06	2.55E-06	4.86E-06	2.80E-07	4.13E-07	6.92E-07	2.44E-07	2.54E-07	4.98E-07
2650	567071.33	4217055.58	1.85E-06	2.00E-06	3.85E-06	1.61E-06	1.77E-06	3.38E-06	1.94E-07	2.87E-07	4.81E-07	1.69E-07	1.76E-07	3.46E-07
2651	567061.34	4217061.08	1.4E-06	1.51E-06	2.90E-06	1.21E-06	1.33E-06	2.55E-06	1.47E-07	2.16E-07	3.63E-07	1.28E-07	1.33E-07	2.61E-07
2652	567088.71	4217056.68	2.29E-06	2.47E-06	4.75E-06	1.98E-06	2.18E-06	4.17E-06	2.40E-07	3.54E-07	5.93E-07	2.09E-07	2.18E-07	4.27E-07
2653	567078.11	4217062.52	1.59E-06	1.71E-06	3.30E-06	1.38E-06	1.52E-06	2.89E-06	1.67E-07	2.46E-07	4.12E-07	1.45E-07	1.51E-07	2.96E-07
2654	567067.51	4217068.36	1.19E-06	1.28E-06	2.47E-06	1.03E-06	1.14E-06	2.17E-06	1.25E-07	1.84E-07	3.09E-07	1.09E-07	1.13E-07	2.22E-07
2655	567046.31	4217080.03	7.85E-07	8.48E-07	1.63E-06	6.81E-07	7.50E-07	1.43E-06	8.24E-08	1.22E-07	2.04E-07	7.17E-08	7.48E-08	1.47E-07
2656	567030.97	4217079.36	7.57E-07	8.17E-07	1.57E-06	6.56E-07	7.23E-07	1.38E-06	7.94E-08	1.17E-07	1.96E-07	6.91E-08	7.21E-08	1.41E-07
2657	567019.15	4217076.74	7.67E-07	8.28E-07	1.60E-06	6.66E-07	7.33E-07	1.40E-06	8.05E-08	1.19E-07	1.99E-07	7.01E-08	7.32E-08	1.43E-07
2658	566995.52	4217071.51	7.75E-07	8.36E-07	1.61E-06	6.72E-07	7.40E-07	1.41E-06	8.13E-08	1.20E-07	2.01E-07	7.08E-08	7.38E-08	1.45E-07
2659	567096.37	4217063.15	1.95E-06	2.10E-06	4.05E-06	1.69E-06	1.86E-06	3.55E-06	2.04E-07	3.01E-07	5.06E-07	1.78E-07	1.86E-07	3.63E-07
2660	567085.94	4217068.89	1.39E-06	1.50E-06	2.90E-06	1.21E-06	1.33E-06	2.54E-06	1.46E-07	2.16E-07	3.62E-07	1.27E-07	1.33E-07	2.60E-07
2661	567054.64	4217086.13	7.03E-07	7.58E-07	1.46E-06	6.10E-07	6.71E-07	1.28E-06	7.37E-08	1.09E-07	1.82E-07	6.42E-08	6.70E-08	1.31E-07
2662	567040.33	4217091.02	6.1E-07	6.58E-07	1.27E-06	5.29E-07	5.82E-07	1.11E-06	6.39E-08	9.44E-08	1.58E-07	5.57E-08	5.81E-08	1.14E-07
2663	567028.7	4217088.44	6.27E-07	6.77E-07	1.30E-06	5.44E-07	5.99E-07	1.14E-06	6.57E-08	9.70E-08	1.63E-07	5.73E-08	5.97E-08	1.17E-07
2664	567017.07	4217085.86	6.43E-07	6.94E-07	1.34E-06	5.58E-07	6.14E-07	1.17E-06	6.74E-08	9.95E-08	1.67E-07	5.87E-08	6.12E-08	1.20E-07
2665	567104.02	4217069.62	1.65E-06	1.78E-06	3.42E-06	1.43E-06	1.57E-06	3.00E-06	1.73E-07	2.55E-07	4.28E-07	1.50E-07	1.57E-07	3.07E-07
2666	567093.72	4217075.29	1.21E-06	1.31E-06	2.52E-06	1.05E-06	1.16E-06	2.21E-06	1.27E-07	1.88E-07	3.15E-07	1.11E-07	1.16E-07	2.26E-07
2667	567073.11	4217086.64	7.48E-07	8.08E-07	1.56E-06	6.49E-07	7.15E-07	1.36E-06	7.85E-08	1.16E-07	1.94E-07	6.84E-08	7.13E-08	1.40E-07
2668	567062.8	4217092.32	6.26E-07	6.76E-07	1.30E-06	5.43E-07	5.98E-07	1.14E-06	6.57E-08	9.69E-08	1.63E-07	5.72E-08	5.97E-08	1.17E-07
2669	567052.49	4217097.99	5.4E-07	5.83E-07	1.12E-06	4.69E-07	5.16E-07	9.85E-07	5.67E-08	8.36E-08	1.40E-07	4.93E-08	5.15E-08	1.01E-07
2670	567041.8	4217100.93	5.02E-07	5.42E-07	1.04E-06	4.36E-07	4.80E-07	9.15E-07	5.27E-08	7.77E-08	1.30E-07	4.59E-08	4.79E-08	9.37E-08
2671	567030.31	4217098.38	5.2E-07	5.62E-07	1.08E-06	4.52E-07	4.97E-07	9.49E-07	5.46E-08	8.06E-08	1.35E-07	4.75E-08	4.96E-08	9.71E-08
2672	567018.82	4217095.84	5.38E-07	5.81E-07	1.12E-06	4.67E-07	5.14E-07	9.81E-07	5.64E-08	8.33E-08	1.40E-07	4.92E-08	5.13E-08	1.00E-07
2673	567007.34	4217093.29	5.54E-07	5.98E-07	1.15E-06	4.81E-07	5.30E-07	1.01E-06	5.82E-08	8.58E-08	1.44E-07	5.06E-08	5.28E-08	1.03E-07
2674	566984.37	4217088.2	5.77E-07	6.22E-07	1.20E-06	5.00E-07	5.51E-07	1.05E-06	6.05E-08	8.92E-08	1.50E-07	5.27E-08	5.50E-08	1.08E-07
2675	567070.85	4217098.56	5.58E-07	6.02E-07	1.16E-06	4.84E-07	5.33E-07	1.02E-06	5.85E-08	8.64E-08	1.45E-07	5.10E-08	5.32E-08	1.04E-07
2676	567060.65	4217104.18	4.83E-07	5.21E-07	1.00E-06	4.19E-07	4.61E-07	8.80E-07	5.06E-08	7.47E-08	1.25E-07	4.41E-08	4.60E-08	9.01E-08
2677	567050.45	4217109.8	4.28E-07	4.62E-07	8.89E-07	3.71E-07	4.08E-07	7.79E-07	4.49E-08	6.62E-08	1.11E-07	3.91E-08	4.08E-08	7.98E-08
2678	567039.46	4217109.99	4.24E-07	4.57E-07	8.81E-07	3.68E-07	4.05E-07	7.72E-07	4.44E-08	6.56E-08	1.10E-07	3.87E-08	4.04E-08	7.91E-08
2679	567028.09	4217107.47	4.41E-07	4.76E-07	9.17E-07	3.83E-07	4.21E-07	8.04E-07	4.63E-08	6.83E-08	1.15E-07	4.03E-08	4.20E-08	8.23E-08
2680	567016.72	4217104.95	4.59E-07	4.95E-07	9.54E-07	3.98E-07	4.38E-07	8.36E-07	4.81E-08	7.10E-08	1.19E-07	4.19E-08	4.37E-08	8.56E-08
2681	567005.35	4217102.43	4.75E-07	5.13E-07	9.88E-07	4.12E-07	4.54E-07	8.66E-07	4.98E-08	7.36E-08	1.23E-07	4.34E-08	4.53E-08	8.87E-08
2682	567119.13	4217082.66	1.21E-06	1.31E-06	2.51E-06	1.05E-06	1.15E-06	2.20E-06	1.27E-07	1.87E-07	3.14E-07	1.10E-07	1.15E-07	2.26E-07
2683	567097.93	4217094.33	7.15E-07	7.72E-07	1.49E-06	6.20E-07	6.83E-07	1.30E-06	7.50E-08	1.11E-07	1.86E-07	6.53E-08	6.82E-08	1.33E-07
2684	567055.53	4217117.68	3.72E-07	4.01E-07	7.73E-07	3.23E-07	3.55E-07	6.78E-07	3.90E-08	5.76E-08	9.66E-08	3.40E-08	3.55E-08	6.94E-08
2685	567044.53	4217120.7	3.52E-07	3.80E-07	7.32E-07	3.05E-07	3.36E-07	6.41E-07	3.69E-08	5.45E-08	9.14E-08	3.21E-08	3.35E-08	6.57E-08
2686	567032.71	4217118.08	3.68E-07	3.97E-07	7.66E-07	3.19E-07	3.52E-07	6.71E-07	3.86E-08	5.70E-08	9.56E-08	3.36E-08	3.51E-08	6.87E-08
2687	567020.9	4217115.46	3.85E-07	4.16E-07	8.01E-07	3.34E-07	3.68E-07	7.02E-07	4.04E-08	5.96E-08	1.00E-07	3.52E-08	3.67E-08	7.19E-08
2688	567009.09	4217112.84	4.02E-07	4.34E-07	8.37E-07	3.49E-07	3.84E-07	7.33E-07	4.22E-08	6.23E-08	1.04E-07	3.67E-08	3.83E-08	7.51E-08
2689	566997.27	4217110.23	4.18E-07	4.51E-07	8.69E-07	3.63E-07	3.99E-07	7.62E-07	4.38E-08	6.47E-08	1.09E-07	3.82E-08	3.98E-08	7.80E-08
2690	566973.64	4217104.99	4.43E-07	4.78E-07	9.21E-07	3.84E-07	4.23E-07	8.07E-07	4.64E-08	6.85E-08	1.15E-07	4.04E-08	4.22E-08	8.26E-08
2691	567095.32	4217106.45	5.24E-07	5.66E-07	1.09E-06	4.55E-07	5.01E-07	9.56E-07	5.50E-08	8.11E-08	1.36E-07	4.79E-08	5.00E-08	9.78E-08

2692	567084.84	4217112.23	4.4E-07	4.74E-07	9.14E-07	3.81E-07	4.20E-07	8.01E-07	4.61E-08	6.80E-08	1.14E-07	4.01E-08	4.19E-08	8.20E-08
2693	567042.1	4217129.74	3.04E-07	3.28E-07	6.32E-07	2.64E-07	2.90E-07	5.54E-07	3.19E-08	4.70E-08	7.89E-08	2.78E-08	2.90E-08	5.67E-08
2694	567030.41	4217127.15	3.18E-07	3.44E-07	6.62E-07	2.76E-07	3.04E-07	5.80E-07	3.34E-08	4.93E-08	8.27E-08	2.91E-08	3.03E-08	5.94E-08
2695	567018.73	4217124.56	3.34E-07	3.60E-07	6.94E-07	2.89E-07	3.19E-07	6.08E-07	3.50E-08	5.16E-08	8.66E-08	3.05E-08	3.18E-08	6.23E-08
2696	567007.04	4217121.97	3.49E-07	3.77E-07	7.26E-07	3.03E-07	3.34E-07	6.36E-07	3.66E-08	5.40E-08	9.07E-08	3.19E-08	3.33E-08	6.52E-08
2697	566995.36	4217119.38	3.64E-07	3.93E-07	7.57E-07	3.16E-07	3.48E-07	6.63E-07	3.82E-08	5.63E-08	9.45E-08	3.32E-08	3.47E-08	6.79E-08
2698	566983.67	4217116.8	3.77E-07	4.07E-07	7.84E-07	3.27E-07	3.60E-07	6.87E-07	3.95E-08	5.84E-08	9.79E-08	3.44E-08	3.59E-08	7.04E-08
2699	567117.1	4217105.14	6.41E-07	6.92E-07	1.33E-06	5.56E-07	6.12E-07	1.17E-06	6.72E-08	9.92E-08	1.66E-07	5.86E-08	6.11E-08	1.20E-07
2700	567096.32	4217116.58	4.26E-07	4.60E-07	8.86E-07	3.70E-07	4.07E-07	7.77E-07	4.47E-08	6.60E-08	1.11E-07	3.89E-08	4.06E-08	7.95E-08
2701	567085.94	4217122.3	3.64E-07	3.93E-07	7.57E-07	3.16E-07	3.48E-07	6.63E-07	3.82E-08	5.63E-08	9.45E-08	3.32E-08	3.47E-08	6.79E-08
2702	567075.55	4217128.02	3.19E-07	3.45E-07	6.64E-07	2.77E-07	3.05E-07	5.82E-07	3.35E-08	4.94E-08	8.29E-08	2.92E-08	3.04E-08	5.96E-08
2703	567065.16	4217133.74	2.87E-07	3.09E-07	5.96E-07	2.49E-07	2.74E-07	5.22E-07	3.01E-08	4.44E-08	7.44E-08	2.62E-08	2.73E-08	5.35E-08
2704	567043.59	4217139.66	2.62E-07	2.82E-07	5.44E-07	2.27E-07	2.50E-07	4.77E-07	2.74E-08	4.05E-08	6.79E-08	2.39E-08	2.49E-08	4.88E-08
2705	567032.01	4217137.09	2.74E-07	2.95E-07	5.69E-07	2.38E-07	2.61E-07	4.99E-07	2.87E-08	4.24E-08	7.11E-08	2.50E-08	2.61E-08	5.11E-08
2706	567020.44	4217134.53	2.87E-07	3.10E-07	5.97E-07	2.49E-07	2.74E-07	5.23E-07	3.01E-08	4.44E-08	7.45E-08	2.62E-08	2.73E-08	5.36E-08
2707	567008.86	4217131.96	3.01E-07	3.25E-07	6.25E-07	2.61E-07	2.87E-07	5.48E-07	3.15E-08	4.65E-08	7.81E-08	2.75E-08	2.87E-08	5.61E-08
2708	566997.28	4217129.39	3.14E-07	3.39E-07	6.54E-07	2.73E-07	3.00E-07	5.73E-07	3.30E-08	4.87E-08	8.16E-08	2.87E-08	3.00E-08	5.87E-08
2709	566985.7	4217126.83	3.27E-07	3.53E-07	6.80E-07	2.84E-07	3.12E-07	5.96E-07	3.43E-08	5.06E-08	8.49E-08	2.99E-08	3.12E-08	6.10E-08
2710	566962.55	4217121.7	3.49E-07	3.76E-07	7.25E-07	3.03E-07	3.33E-07	6.36E-07	3.66E-08	5.40E-08	9.06E-08	3.19E-08	3.32E-08	6.51E-08
2711	567124.87	4217111.54	5.95E-07	6.42E-07	1.24E-06	5.16E-07	5.68E-07	1.08E-06	6.24E-08	9.21E-08	1.54E-07	5.43E-08	5.67E-08	1.11E-07
2712	567114.56	4217117.22	4.79E-07	5.17E-07	9.95E-07	4.15E-07	4.57E-07	8.72E-07	5.02E-08	7.41E-08	1.24E-07	4.37E-08	4.56E-08	8.93E-08
2713	567093.95	4217128.57	3.37E-07	3.63E-07	7.00E-07	2.92E-07	3.22E-07	6.14E-07	3.53E-08	5.21E-08	8.74E-08	3.08E-08	3.21E-08	6.28E-08
2714	567083.65	4217134.24	2.95E-07	3.18E-07	6.13E-07	2.56E-07	2.81E-07	5.37E-07	3.09E-08	4.56E-08	7.65E-08	2.69E-08	2.81E-08	5.50E-08
2715	567073.34	4217139.92	2.64E-07	2.85E-07	5.48E-07	2.29E-07	2.52E-07	4.80E-07	2.76E-08	4.08E-08	6.85E-08	2.41E-08	2.51E-08	4.92E-08
2716	567063.04	4217145.59	2.4E-07	2.59E-07	5.00E-07	2.08E-07	2.29E-07	4.38E-07	2.52E-08	3.72E-08	6.24E-08	2.19E-08	2.29E-08	4.48E-08
2717	567037.42	4217147.87	2.34E-07	2.53E-07	4.87E-07	2.03E-07	2.24E-07	4.27E-07	2.46E-08	3.63E-08	6.08E-08	2.14E-08	2.23E-08	4.37E-08
2718	567025.93	4217145.33	2.45E-07	2.65E-07	5.10E-07	2.13E-07	2.34E-07	4.47E-07	2.57E-08	3.79E-08	6.36E-08	2.24E-08	2.34E-08	4.58E-08
2719	567014.44	4217142.78	2.57E-07	2.77E-07	5.34E-07	2.23E-07	2.45E-07	4.68E-07	2.69E-08	3.98E-08	6.67E-08	2.35E-08	2.45E-08	4.79E-08
2720	567002.96	4217140.24	2.69E-07	2.90E-07	5.59E-07	2.33E-07	2.57E-07	4.90E-07	2.82E-08	4.16E-08	6.98E-08	2.46E-08	2.56E-08	5.02E-08
2721	566991.47	4217137.69	2.81E-07	3.03E-07	5.84E-07	2.44E-07	2.68E-07	5.12E-07	2.95E-08	4.35E-08	7.29E-08	2.56E-08	2.68E-08	5.24E-08
2722	566979.99	4217135.15	2.92E-07	3.15E-07	6.07E-07	2.53E-07	2.79E-07	5.32E-07	3.06E-08	4.52E-08	7.58E-08	2.67E-08	2.78E-08	5.45E-08
2723	566957.01	4217130.06	3.12E-07	3.37E-07	6.48E-07	2.71E-07	2.98E-07	5.68E-07	3.27E-08	4.83E-08	8.10E-08	2.85E-08	2.97E-08	5.82E-08
2724	567121.29	4217124.2	4.4E-07	4.75E-07	9.14E-07	3.81E-07	4.20E-07	8.02E-07	4.61E-08	6.81E-08	1.14E-07	4.02E-08	4.19E-08	8.21E-08
2725	567100.09	4217135.87	3.07E-07	3.31E-07	6.38E-07	2.66E-07	2.93E-07	5.59E-07	3.22E-08	4.75E-08	7.97E-08	2.80E-08	2.92E-08	5.73E-08
2726	567089.49	4217141.71	2.67E-07	2.89E-07	5.56E-07	2.32E-07	2.55E-07	4.87E-07	2.80E-08	4.14E-08	6.94E-08	2.44E-08	2.55E-08	4.99E-08
2727	567078.89	4217147.55	2.39E-07	2.58E-07	4.96E-07	2.07E-07	2.28E-07	4.35E-07	2.50E-08	3.69E-08	6.20E-08	2.18E-08	2.27E-08	4.45E-08
2728	567068.29	4217153.38	2.17E-07	2.35E-07	4.52E-07	1.89E-07	2.08E-07	3.96E-07	2.28E-08	3.36E-08	5.64E-08	1.99E-08	2.07E-08	4.06E-08
2729	567057.69	4217159.22	2.01E-07	2.17E-07	4.18E-07	1.74E-07	1.92E-07	3.66E-07	2.11E-08	3.11E-08	5.21E-08	1.83E-08	1.91E-08	3.75E-08
2730	567034.46	4217156.8	2.09E-07	2.26E-07	4.35E-07	1.82E-07	2.00E-07	3.81E-07	2.19E-08	3.24E-08	5.43E-08	1.91E-08	1.99E-08	3.90E-08
2731	567022.65	4217154.18	2.19E-07	2.36E-07	4.55E-07	1.90E-07	2.09E-07	3.99E-07	2.30E-08	3.39E-08	5.68E-08	2.00E-08	2.09E-08	4.08E-08
2732	567010.83	4217151.57	2.29E-07	2.47E-07	4.77E-07	1.99E-07	2.19E-07	4.18E-07	2.40E-08	3.55E-08	5.95E-08	2.09E-08	2.18E-08	4.28E-08
2733	566999.02	4217148.95	2.4E-07	2.59E-07	4.99E-07	2.08E-07	2.29E-07	4.38E-07	2.52E-08	3.72E-08	6.24E-08	2.19E-08	2.29E-08	4.48E-08
2734	566987.21	4217146.33	2.51E-07	2.71E-07	5.22E-07	2.18E-07	2.40E-07	4.57E-07	2.63E-08	3.88E-08	6.52E-08	2.29E-08	2.39E-08	4.68E-08
2735	566975.39	4217143.71	2.61E-07	2.82E-07	5.43E-07	2.27E-07	2.49E-07	4.76E-07	2.74E-08	4.04E-08	6.78E-08	2.39E-08	2.49E-08	4.88E-08
2736	566951.76	4217138.48	2.8E-07	3.02E-07	5.83E-07	2.43E-07	2.68E-07	5.11E-07	2.94E-08	4.34E-08	7.28E-08	2.56E-08	2.67E-08	5.23E-08
2737	567118.64	4217136.33	3.43E-07	3.70E-07	7.13E-07	2.98E-07	3.28E-07	6.25E-07	3.60E-08	5.31E-08	8.91E-08	3.13E-08	3.27E-08	6.40E-08
2738	567097.62	4217147.91	2.52E-07	2.72E-07	5.23E-07	2.18E-07	2.40E-07	4.59E-07	2.64E-08	3.90E-08	6.53E-08	2.30E-08	2.40E-08	4.70E-08
2739	567087.11	4217153.7	2.24E-07	2.42E-07	4.65E-07	1.94E-07	2.14E-07	4.08E-07	2.35E-08	3.46E-08	5.81E-08	2.04E-08	2.13E-08	4.18E-08
2740	567076.6	4217159.49	2.03E-07	2.19E-07	4.23E-07	1.76E-07	1.94E-07	3.70E-07	2.13E-08	3.15E-08	5.28E-08	1.86E-08	1.94E-08	3.79E-08
2741	567066.09	4217165.28	1.87E-07	2.02E-07	3.90E-07	1.63E-07	1.79E-07	3.42E-07	1.97E-08	2.90E-08	4.87E-08	1.71E-08	1.79E-08	3.50E-08
2742	567051.67	4217170.2	1.77E-07	1.91E-07	3.67E-07	1.53E-07	1.69E-07	3.22E-07	1.85E-08	2.73E-08	4.58E-08	1.61E-08	1.68E-08	3.29E-08
2743	567028.24	4217165.01	1.9E-07	2.06E-07	3.96E-07	1.65E-07	1.82E-07	3.47E-07	2.00E-08	2.95E-08	4.94E-08	1.74E-08	1.81E-08	3.55E-08
2744	567016.52	4217162.41	1.99E-07	2.15E-07	4.13E-07	1.72E-07	1.90E-07	3.62E-07	2.08E-08	3.08E-08	5.16E-08	1.82E-08	1.89E-08	3.71E-08
2745	567004.81	4217159.81	2.08E-07	2.24E-07	4.32E-07	1.80E-07	1.98E-07	3.79E-07	2.18E-08	3.22E-08	5.39E-08	1.90E-08	1.98E-08	3.88E-08
2746	566993.09	4217157.22	2.17E-07	2.34E-07	4.52E-07	1.88E-07	2.07E-07	3.96E-07	2.28E-08	3.36E-08	5.64E-08	1.98E-08	2.07E-08	4.05E-08
2747	566981.37	4217154.62	2.27E-07	2.45E-07	4.71E-07	1.97E-07	2.16E-07	4.13E-07	2.38E-08	3.51E-08	5.89E-08	2.07E-08	2.16E-08	4.23E-08
2748	566969.66	4217152.02	2.36E-07	2.55E-07	4.90E-07	2.05E-07	2.25E-07	4.30E-07	2.47E-08	3.65E-08	6.12E-08	2.15E-08	2.25E-08	4.40E-08
2749	566946.23	4217146.83	2.53E-07	2.73E-07	5.27E-07	2.20E-07	2.42E-07	4.62E-07	2.66E-08	3.92E-08	6.58E-08	2.31E-08	2.41E-08	4.73E-08
2750	567102.21	4217156.06	2.29E-07	2.47E-07	4.75E-07	1.98E-07	2.18E-07	4.17E-07	2.40E-08	3.54E-08	5.94E-08	2.09E-08	2.18E-08	4.27E-08
2751	567091.78	4217161.81	2.04E-07	2.20E-07	4.24E-07	1.77E-07	1.95E-07	3.72E-07	2.14E-08	3.16E-08	5.30E-08	1.86E-08	1.95E-08	3.81E-08
2752	567081.34	4217167.56	1.86E-07	2.01E-07	3.86E-07	1.61E-07	1.77E-07	3.39E-07	1.95E-08	2.88E-08	4.82E-08	1.70E-08	1.77E-08	3.47E-08
2753	567070.91	4217173.3	1.72E-07	1.85E-07	3.57E-07	1.49E-07	1.64E-07	3.13E-07	1.80E-08	2.66E-08	4.46E-08	1.57E-08	1.64E-08	3.20E-08
2754	567060.47	4217179.05	1.6E-07	1.73E-07	3.33E-07	1.39E-07	1.53E-07	2.92E-07	1.68E-08	2.48E-08	4.16E-08	1.46E-08	1.53E-08	2.99E-08
2755	567049.24	4217179.24	1.6E-07	1.73E-07	3.33E-07	1.39E-07	1.53E-07	2.92E-07	1.68E-08	2.48E-08	4.16E-08	1.46E-08	1.53E-08	2.99E-08
2756	567025.98	4217174.09	1.72E-07	1.86E-07	3.57E-07	1.49E-07	1.64E-07	3.13E-07	1.80E-08	2.66E-08	4.46E-08	1.57E-08	1.64E-08	3.21E-08
2757	567014.35	4217171.51	1.79E-07	1.93E-07	3.72E-07	1.55E-07	1.71E-07	3.26E-07	1.88E-08	2.77E-08	4.65E-08	1.63E-08	1.71E-08	3.34E-08
2758	567002.72	4217168.94	1.87E-07	2.01E-07	3.88E-07	1.62E-07	1.78E-07	3.40E-07	1.96E-08	2.89E-08	4.84E-08	1.70E-08	1.78E-08	3.48E-08
2759	566991.09	4217166.36	1.95E-07	2.10E-07	4.05E-07	1.69E-07	1.86E-07	3.55E-07	2.04E-08	3.01E-08	5.05E-08	1.78E-08	1.86E-08	3.63E-08
2760	566979.47	4217163.78	2.03E-07	2.19E-07	4.22E-07	1.76E-07	1.94E-07	3.70E-07	2.13E-08	3.14E-08	5.27E-08	1.85E-08	1.94E-08	3.79E-08
2761	566967.84	4217161.2	2.11E-07	2.28E-07	4.40E-07	1.83E-07	2.02E-07	3.85E-07	2.22E-08	3.27E-08	5.49E-08	1.93E-08	2.02E-08	3.95E-08
2762	566944.58	4217156.05	2.28E-07	2.46E-07	4.73E-07	1.97E-07	2.17E-07	4.15E-07	2.39E-08	3.52E-08	5.91E-08	2.08E-08	2.17E-08	4.25E-08
2763	567099.88	4217168.03	1.94E-07	2.09E-07	4.03E-07	1.68E-07	1.85E-07	3.53E-07	2.03E-08	3.00E-08	5.03E-08	1.77E-08	1.85E-08	3.62E-08
2764	567089.52	4217173.74	1.76E-07	1.90E-07	3.65E-07	1.52E-07	1.68E-07	3.20E-07	1.84E-08	2.72E-08	4.56E-08	1.60E-08	1.67E-08	3.28E-08
2765	567079.15	4217179.44	1.62E-07	1.75E-07	3.37E-07	1.40E-07	1.55E-07	2.95E-07	1.70E-08	2.51E-08	4.20E-08	1.48E-08	1.54E-08	3.02E-08
2766	567068.78	4217185.15	1.51E-07	1.63E-07	3.14E-07	1.31E-07	1.44E-07	2.75E-07	1.58E-08	2.34E-08	3.92E-08	1.38E-08	1.44E-08	2.82E-08
2767	567054.57	4217190.01	1.43E-07	1.55E-07	2.98E-07	1.24E-07	1.37E-07	2.61E-07	1.50E-08	2.22E-08	3.72E-08	1.31E-08	1.37E-08	2.67E-08
2768	567043.01	4217187.45	1.47E-07	1.59E-07	3.07E-07	1.28E-07	1.41E-07	2.69E-07	1.55E-08	2.28E-08	3.83E-08	1.35E-08	1.41E-08	2.75E-08

2769	567019.91	4217182.33	1.58E-07	1.71E-07	3.29E-07	1.37E-07	1.51E-07	2.88E-07	1.66E-08	2.45E-08	4.10E-08	1.44E-08	1.51E-08	2.95E-08
2770	567008.35	4217179.77	1.64E-07	1.77E-07	3.41E-07	1.42E-07	1.57E-07	2.99E-07	1.72E-08	2.54E-08	4.26E-08	1.50E-08	1.56E-08	3.06E-08
2771	566996.8	4217177.21	1.71E-07	1.84E-07	3.55E-07	1.48E-07	1.63E-07	3.11E-07	1.79E-08	2.64E-08	4.43E-08	1.56E-08	1.63E-08	3.19E-08
2772	566985.24	4217174.65	1.78E-07	1.92E-07	3.70E-07	1.54E-07	1.70E-07	3.24E-07	1.87E-08	2.75E-08	4.62E-08	1.63E-08	1.70E-08	3.32E-08
2773	566973.69	4217172.08	1.85E-07	2.00E-07	3.86E-07	1.61E-07	1.77E-07	3.38E-07	1.95E-08	2.87E-08	4.82E-08	1.69E-08	1.77E-08	3.46E-08
2774	566939.03	4217164.4	2.08E-07	2.24E-07	4.32E-07	1.80E-07	1.98E-07	3.78E-07	2.18E-08	3.21E-08	5.39E-08	1.90E-08	1.98E-08	3.88E-08
2775	567098.71	4217179.36	1.69E-07	1.82E-07	3.51E-07	1.46E-07	1.61E-07	3.07E-07	1.77E-08	2.61E-08	4.38E-08	1.54E-08	1.61E-08	3.15E-08
2776	567088.11	4217185.19	1.54E-07	1.67E-07	3.21E-07	1.34E-07	1.47E-07	2.81E-07	1.62E-08	2.39E-08	4.01E-08	1.41E-08	1.47E-08	2.88E-08
2777	567077.51	4217191.03	1.43E-07	1.55E-07	2.98E-07	1.24E-07	1.37E-07	2.61E-07	1.50E-08	2.22E-08	3.72E-08	1.31E-08	1.37E-08	2.67E-08
2778	567066.91	4217196.87	1.34E-07	1.45E-07	2.79E-07	1.17E-07	1.28E-07	2.45E-07	1.41E-08	2.08E-08	3.49E-08	1.23E-08	1.28E-08	2.51E-08
2779	567055.9	4217199.89	1.3E-07	1.41E-07	2.71E-07	1.13E-07	1.25E-07	2.38E-07	1.37E-08	2.02E-08	3.39E-08	1.19E-08	1.24E-08	2.43E-08
2780	567044.09	4217197.27	1.34E-07	1.45E-07	2.79E-07	1.16E-07	1.28E-07	2.44E-07	1.40E-08	2.07E-08	3.48E-08	1.22E-08	1.28E-08	2.50E-08
2781	567020.46	4217192.03	1.43E-07	1.54E-07	2.97E-07	1.24E-07	1.37E-07	2.61E-07	1.50E-08	2.21E-08	3.71E-08	1.31E-08	1.36E-08	2.67E-08
2782	567008.64	4217189.41	1.48E-07	1.60E-07	3.08E-07	1.29E-07	1.42E-07	2.70E-07	1.56E-08	2.30E-08	3.85E-08	1.35E-08	1.41E-08	2.77E-08
2783	566996.83	4217186.8	1.54E-07	1.66E-07	3.20E-07	1.34E-07	1.47E-07	2.81E-07	1.62E-08	2.38E-08	4.00E-08	1.41E-08	1.47E-08	2.88E-08
2784	566985.02	4217184.18	1.6E-07	1.73E-07	3.34E-07	1.39E-07	1.53E-07	2.92E-07	1.68E-08	2.48E-08	4.16E-08	1.47E-08	1.53E-08	2.99E-08
2785	566973.2	4217181.56	1.67E-07	1.80E-07	3.47E-07	1.45E-07	1.60E-07	3.05E-07	1.75E-08	2.59E-08	4.34E-08	1.53E-08	1.59E-08	3.12E-08
2786	566937.76	4217173.71	1.88E-07	2.03E-07	3.90E-07	1.63E-07	1.79E-07	3.42E-07	1.97E-08	2.91E-08	4.87E-08	1.71E-08	1.79E-08	3.50E-08
2787	566925.94	4217171.09	1.94E-07	2.10E-07	4.04E-07	1.68E-07	1.85E-07	3.54E-07	2.04E-08	3.01E-08	5.04E-08	1.77E-08	1.85E-08	3.62E-08
2788	567096.35	4217191.33	1.47E-07	1.59E-07	3.06E-07	1.28E-07	1.41E-07	2.68E-07	1.54E-08	2.28E-08	3.82E-08	1.34E-08	1.40E-08	2.75E-08
2789	567085.83	4217197.13	1.36E-07	1.47E-07	2.83E-07	1.18E-07	1.30E-07	2.48E-07	1.43E-08	2.11E-08	3.54E-08	1.24E-08	1.30E-08	2.54E-08
2790	567075.3	4217202.93	1.28E-07	1.38E-07	2.65E-07	1.11E-07	1.22E-07	2.32E-07	1.34E-08	1.97E-08	3.31E-08	1.16E-08	1.22E-08	2.38E-08
2791	567064.77	4217208.73	1.2E-07	1.30E-07	2.51E-07	1.05E-07	1.15E-07	2.20E-07	1.26E-08	1.86E-08	3.13E-08	1.10E-08	1.15E-08	2.25E-08
2792	567053.44	4217208.92	1.2E-07	1.30E-07	2.50E-07	1.04E-07	1.15E-07	2.19E-07	1.26E-08	1.86E-08	3.12E-08	1.10E-08	1.15E-08	2.24E-08
2793	567041.7	4217206.32	1.23E-07	1.33E-07	2.57E-07	1.07E-07	1.18E-07	2.25E-07	1.29E-08	1.91E-08	3.20E-08	1.13E-08	1.18E-08	2.30E-08
2794	567018.23	4217201.12	1.31E-07	1.42E-07	2.73E-07	1.14E-07	1.25E-07	2.39E-07	1.38E-08	2.03E-08	3.41E-08	1.20E-08	1.25E-08	2.45E-08
2795	567006.5	4217198.52	1.36E-07	1.47E-07	2.82E-07	1.18E-07	1.30E-07	2.47E-07	1.42E-08	2.10E-08	3.53E-08	1.24E-08	1.29E-08	2.53E-08
2796	566994.77	4217195.92	1.41E-07	1.52E-07	2.93E-07	1.22E-07	1.34E-07	2.56E-07	1.48E-08	2.18E-08	3.65E-08	1.29E-08	1.34E-08	2.63E-08
2797	566983.03	4217193.32	1.46E-07	1.58E-07	3.04E-07	1.27E-07	1.40E-07	2.67E-07	1.53E-08	2.26E-08	3.80E-08	1.34E-08	1.39E-08	2.73E-08
2798	566971.3	4217190.72	1.52E-07	1.64E-07	3.16E-07	1.32E-07	1.45E-07	2.77E-07	1.60E-08	2.35E-08	3.95E-08	1.39E-08	1.45E-08	2.84E-08
2799	566947.83	4217185.52	1.64E-07	1.77E-07	3.41E-07	1.42E-07	1.57E-07	2.99E-07	1.72E-08	2.54E-08	4.26E-08	1.50E-08	1.57E-08	3.07E-08
2800	566936.09	4217182.92	1.7E-07	1.84E-07	3.54E-07	1.48E-07	1.63E-07	3.11E-07	1.79E-08	2.64E-08	4.42E-08	1.56E-08	1.62E-08	3.18E-08
2801	566924.36	4217180.32	1.76E-07	1.90E-07	3.67E-07	1.53E-07	1.68E-07	3.21E-07	1.85E-08	2.73E-08	4.58E-08	1.61E-08	1.68E-08	3.29E-08
2802	567101.05	4217199.43	1.37E-07	1.48E-07	2.85E-07	1.19E-07	1.31E-07	2.50E-07	1.44E-08	2.12E-08	3.56E-08	1.25E-08	1.31E-08	2.56E-08
2803	567090.59	4217205.19	1.27E-07	1.37E-07	2.64E-07	1.10E-07	1.21E-07	2.31E-07	1.33E-08	1.97E-08	3.30E-08	1.16E-08	1.21E-08	2.37E-08
2804	567080.12	4217210.95	1.19E-07	1.28E-07	2.48E-07	1.03E-07	1.14E-07	2.17E-07	1.25E-08	1.84E-08	3.09E-08	1.09E-08	1.13E-08	2.22E-08
2805	567069.66	4217216.71	1.13E-07	1.22E-07	2.34E-07	9.77E-08	1.08E-07	2.05E-07	1.18E-08	1.74E-08	2.92E-08	1.03E-08	1.07E-08	2.10E-08
2806	567058.79	4217219.69	1.1E-07	1.18E-07	2.28E-07	9.52E-08	1.05E-07	2.00E-07	1.15E-08	1.70E-08	2.85E-08	1.00E-08	1.05E-08	2.05E-08
2807	567047.13	4217217.11	1.12E-07	1.21E-07	2.33E-07	9.74E-08	1.07E-07	2.05E-07	1.18E-08	1.74E-08	2.91E-08	1.03E-08	1.07E-08	2.09E-08
2808	567023.81	4217211.94	1.19E-07	1.28E-07	2.46E-07	1.03E-07	1.13E-07	2.16E-07	1.24E-08	1.83E-08	3.08E-08	1.08E-08	1.13E-08	2.21E-08
2809	567012.14	4217209.36	1.22E-07	1.32E-07	2.54E-07	1.06E-07	1.17E-07	2.23E-07	1.28E-08	1.89E-08	3.17E-08	1.12E-08	1.16E-08	2.28E-08
2810	567000.48	4217206.77	1.26E-07	1.36E-07	2.63E-07	1.10E-07	1.21E-07	2.30E-07	1.32E-08	1.95E-08	3.28E-08	1.15E-08	1.20E-08	2.36E-08
2811	566988.82	4217204.19	1.31E-07	1.41E-07	2.72E-07	1.13E-07	1.25E-07	2.38E-07	1.37E-08	2.02E-08	3.39E-08	1.19E-08	1.25E-08	2.44E-08
2812	566977.16	4217201.6	1.36E-07	1.46E-07	2.82E-07	1.18E-07	1.30E-07	2.47E-07	1.42E-08	2.10E-08	3.52E-08	1.24E-08	1.29E-08	2.53E-08
2813	566965.49	4217199.02	1.41E-07	1.52E-07	2.93E-07	1.22E-07	1.34E-07	2.57E-07	1.48E-08	2.18E-08	3.66E-08	1.29E-08	1.34E-08	2.63E-08
2814	566942.17	4217193.85	1.51E-07	1.63E-07	3.15E-07	1.31E-07	1.45E-07	2.76E-07	1.59E-08	2.34E-08	3.93E-08	1.38E-08	1.44E-08	2.83E-08
2815	566930.5	4217191.26	1.57E-07	1.69E-07	3.26E-07	1.36E-07	1.50E-07	2.86E-07	1.65E-08	2.43E-08	4.08E-08	1.43E-08	1.50E-08	2.93E-08
2816	566918.84	4217188.68	1.62E-07	1.75E-07	3.38E-07	1.41E-07	1.55E-07	2.96E-07	1.70E-08	2.51E-08	4.22E-08	1.48E-08	1.55E-08	3.03E-08
2817	567098.79	4217211.35	1.22E-07	1.31E-07	2.53E-07	1.05E-07	1.16E-07	2.22E-07	1.28E-08	1.88E-08	3.16E-08	1.11E-08	1.16E-08	2.27E-08
2818	567088.38	4217217.08	1.14E-07	1.23E-07	2.37E-07	9.87E-08	1.09E-07	2.07E-07	1.19E-08	1.76E-08	2.95E-08	1.04E-08	1.08E-08	2.12E-08
2819	567077.98	4217222.81	1.07E-07	1.16E-07	2.23E-07	9.32E-08	1.03E-07	1.96E-07	1.13E-08	1.66E-08	2.79E-08	9.81E-09	1.02E-08	2.01E-08
2820	567067.57	4217228.54	1.02E-07	1.10E-07	2.13E-07	8.87E-08	9.76E-08	1.86E-07	1.07E-08	1.58E-08	2.65E-08	9.34E-09	9.74E-09	1.91E-08
2821	567056.37	4217228.74	1.02E-07	1.10E-07	2.12E-07	8.85E-08	9.74E-08	1.86E-07	1.07E-08	1.58E-08	2.65E-08	9.32E-09	9.72E-09	1.90E-08
2822	567044.77	4217226.17	1.04E-07	1.13E-07	2.17E-07	9.04E-08	9.96E-08	1.90E-07	1.09E-08	1.61E-08	2.71E-08	9.52E-09	9.94E-09	1.95E-08
2823	567021.58	4217221.03	1.1E-07	1.18E-07	2.28E-07	9.52E-08	1.05E-07	2.00E-07	1.15E-08	1.70E-08	2.85E-08	1.00E-08	1.05E-08	2.05E-08
2824	567009.98	4217218.46	1.13E-07	1.22E-07	2.35E-07	9.80E-08	1.08E-07	2.06E-07	1.18E-08	1.75E-08	2.93E-08	1.03E-08	1.08E-08	2.11E-08
2825	566998.38	4217215.89	1.16E-07	1.26E-07	2.42E-07	1.01E-07	1.11E-07	2.12E-07	1.22E-08	1.80E-08	3.02E-08	1.06E-08	1.11E-08	2.17E-08
2826	566986.78	4217213.32	1.2E-07	1.30E-07	2.50E-07	1.04E-07	1.15E-07	2.19E-07	1.26E-08	1.86E-08	3.13E-08	1.10E-08	1.15E-08	2.25E-08
2827	566975.18	4217210.75	1.25E-07	1.34E-07	2.59E-07	1.08E-07	1.19E-07	2.27E-07	1.31E-08	1.93E-08	3.24E-08	1.14E-08	1.19E-08	2.33E-08
2828	566940.39	4217203.04	1.38E-07	1.49E-07	2.88E-07	1.20E-07	1.32E-07	2.52E-07	1.45E-08	2.14E-08	3.60E-08	1.26E-08	1.32E-08	2.58E-08
2829	566928.79	4217200.47	1.43E-07	1.55E-07	2.98E-07	1.24E-07	1.37E-07	2.61E-07	1.50E-08	2.22E-08	3.72E-08	1.31E-08	1.37E-08	2.68E-08
2830	566917.19	4217197.9	1.48E-07	1.60E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.85E-08	1.36E-08	1.41E-08	2.77E-08
2831	567097.32	4217222.84	1.09E-07	1.18E-07	2.28E-07	9.50E-08	1.05E-07	2.00E-07	1.15E-08	1.69E-08	2.84E-08	1.00E-08	1.04E-08	2.04E-08
2832	567086.72	4217228.68	1.03E-07	1.11E-07	2.14E-07	8.94E-08	9.84E-08	1.88E-07	1.08E-08	1.59E-08	2.68E-08	9.41E-09	9.82E-09	1.92E-08
2833	567076.12	4217234.52	9.78E-08	1.06E-07	2.03E-07	8.48E-08	9.34E-08	1.78E-07	1.03E-08	1.51E-08	2.54E-08	8.93E-09	9.32E-09	1.82E-08
2834	567061.59	4217239.48	9.39E-08	1.01E-07	1.95E-07	8.15E-08	8.97E-08	1.71E-07	9.85E-09	1.45E-08	2.44E-08	8.58E-09	8.95E-09	1.75E-08
2835	567049.77	4217236.86	9.59E-08	1.03E-07	1.99E-07	8.32E-08	9.16E-08	1.75E-07	1.01E-08	1.48E-08	2.49E-08	8.76E-09	9.14E-09	1.79E-08
2836	567026.14	4217231.63	1E-07	1.08E-07	2.09E-07	8.71E-08	9.59E-08	1.83E-07	1.05E-08	1.55E-08	2.61E-08	9.17E-09	9.57E-09	1.87E-08
2837	567014.33	4217229.01	1.03E-07	1.11E-07	2.15E-07	8.95E-08	9.86E-08	1.88E-07	1.08E-08	1.60E-08	2.68E-08	9.43E-09	9.84E-09	1.93E-08
2838	567002.52	4217226.39	1.06E-07	1.15E-07	2.21E-07	9.22E-08	1.01E-07	1.94E-07	1.11E-08	1.64E-08	2.76E-08	9.70E-09	1.01E-08	1.98E-08
2839	566990.7	4217223.77	1.1E-07	1.18E-07	2.28E-07	9.50E-08	1.05E-07	2.00E-07	1.15E-08	1.70E-08	2.84E-08	1.00E-08	1.04E-08	2.04E-08
2840	566978.89	4217221.15	1.13E-07	1.22E-07	2.35E-07	9.81E-08	1.08E-07	2.06E-07	1.19E-08	1.75E-08	2.94E-08	1.03E-08	1.08E-08	2.11E-08
2841	566967.07	4217218.54	1.17E-07	1.26E-07	2.43E-07	1.01E-07	1.12E-07	2.13E-07	1.23E-08	1.81E-08	3.04E-08	1.07E-08	1.11E-08	2.18E-08
2842	566943.44	4217213.3	1.25E-07	1.35E-07	2.61E-07	1.09E-07	1.20E-07	2.28E-07	1.31E-08	1.94E-08	3.25E-08	1.14E-08	1.19E-08	2.34E-08
2843	566931.63	4217210.68	1.3E-07	1.40E-07	2.70E-07	1.13E-07	1.24E-07	2.37E-07	1.36E-08	2.01E-08	3.37E-08	1.19E-08	1.24E-08	2.42E-08
2844	566919.82	4217208.06	1.34E-07	1.45E-07	2.80E-07	1.17E-07	1.28E-07	2.45E-07	1.41E-08	2.08E-08	3.49E-08	1.23E-08	1.28E-08	2.51E-08
2845	566908	4217205.44	1.39E-07	1.50E-07	2.89E-07	1.21E-07	1.33E-07	2.54E-07	1.46E-08	2.15E-08	3.61E-08	1.27E-08	1.33E-08	2.60E-08

2846	567091.54	4217236.71	9.7E-08	1.05E-07	2.02E-07	8.42E-08	9.27E-08	1.77E-07	1.02E-08	1.50E-08	2.52E-08	8.86E-09	9.25E-09	1.81E-08
2847	567081	4217242.51	9.22E-08	9.95E-08	1.92E-07	8.00E-08	8.80E-08	1.68E-07	9.67E-09	1.43E-08	2.39E-08	8.42E-09	8.79E-09	1.72E-08
2848	567070.46	4217248.32	8.8E-08	9.50E-08	1.83E-07	7.64E-08	8.41E-08	1.60E-07	9.23E-09	1.36E-08	2.29E-08	8.04E-09	8.39E-09	1.64E-08
2849	567059.11	4217248.52	8.79E-08	9.48E-08	1.83E-07	7.62E-08	8.39E-08	1.60E-07	9.21E-09	1.36E-08	2.28E-08	8.02E-09	8.37E-09	1.64E-08
2850	567047.37	4217245.91	8.97E-08	9.68E-08	1.86E-07	7.78E-08	8.56E-08	1.63E-07	9.40E-09	1.39E-08	2.33E-08	8.19E-09	8.55E-09	1.67E-08
2851	567023.87	4217240.71	9.38E-08	1.01E-07	1.95E-07	8.13E-08	8.96E-08	1.71E-07	9.83E-09	1.45E-08	2.43E-08	8.56E-09	8.94E-09	1.75E-08
2852	567012.13	4217238.1	9.62E-08	1.04E-07	2.00E-07	8.35E-08	9.19E-08	1.75E-07	1.01E-08	1.49E-08	2.50E-08	8.79E-09	9.17E-09	1.80E-08
2853	567000.38	4217235.5	9.89E-08	1.07E-07	2.06E-07	8.58E-08	9.44E-08	1.80E-07	1.04E-08	1.53E-08	2.57E-08	9.03E-09	9.42E-09	1.85E-08
2854	566988.63	4217232.9	1.02E-07	1.10E-07	2.12E-07	8.83E-08	9.72E-08	1.85E-07	1.07E-08	1.57E-08	2.64E-08	9.29E-09	9.69E-09	1.90E-08
2855	566976.89	4217230.29	1.05E-07	1.13E-07	2.18E-07	9.09E-08	1.00E-07	1.91E-07	1.10E-08	1.62E-08	2.72E-08	9.57E-09	9.99E-09	1.96E-08
2856	566965.14	4217227.69	1.08E-07	1.17E-07	2.25E-07	9.38E-08	1.03E-07	1.97E-07	1.13E-08	1.67E-08	2.81E-08	9.87E-09	1.03E-08	2.02E-08
2857	566941.64	4217222.48	1.16E-07	1.25E-07	2.40E-07	1.00E-07	1.10E-07	2.11E-07	1.21E-08	1.79E-08	3.00E-08	1.06E-08	1.10E-08	2.16E-08
2858	566929.9	4217219.88	1.2E-07	1.29E-07	2.49E-07	1.04E-07	1.14E-07	2.18E-07	1.25E-08	1.85E-08	3.10E-08	1.09E-08	1.14E-08	2.23E-08
2859	566918.15	4217217.28	1.24E-07	1.34E-07	2.57E-07	1.07E-07	1.18E-07	2.26E-07	1.30E-08	1.91E-08	3.21E-08	1.13E-08	1.18E-08	2.31E-08
2860	566906.4	4217214.67	1.28E-07	1.38E-07	2.66E-07	1.11E-07	1.22E-07	2.33E-07	1.34E-08	1.98E-08	3.32E-08	1.17E-08	1.22E-08	2.39E-08
2861	567089.34	4217248.6	8.85E-08	9.55E-08	1.84E-07	7.68E-08	8.45E-08	1.61E-07	9.28E-09	1.37E-08	2.30E-08	8.08E-09	8.43E-09	1.65E-08
2862	567078.85	4217254.38	8.45E-08	9.12E-08	1.76E-07	7.33E-08	8.07E-08	1.54E-07	8.86E-09	1.31E-08	2.19E-08	7.71E-09	8.05E-09	1.58E-08
2863	567064.47	4217259.29	8.14E-08	8.79E-08	1.69E-07	7.06E-08	7.78E-08	1.48E-07	8.54E-09	1.26E-08	2.11E-08	7.44E-09	7.76E-09	1.52E-08
2864	567052.79	4217256.7	8.3E-08	8.95E-08	1.72E-07	7.20E-08	7.92E-08	1.51E-07	8.70E-09	1.28E-08	2.15E-08	7.58E-09	7.91E-09	1.55E-08
2865	567041.1	4217254.11	8.47E-08	9.14E-08	1.76E-07	7.35E-08	8.09E-08	1.54E-07	8.88E-09	1.31E-08	2.20E-08	7.73E-09	8.07E-09	1.58E-08
2866	567017.73	4217248.93	8.85E-08	9.56E-08	1.84E-07	7.68E-08	8.46E-08	1.61E-07	9.29E-09	1.37E-08	2.30E-08	8.09E-09	8.44E-09	1.65E-08
2867	567006.04	4217246.34	9.08E-08	9.80E-08	1.89E-07	7.87E-08	8.67E-08	1.65E-07	9.52E-09	1.40E-08	2.36E-08	8.29E-09	8.65E-09	1.69E-08
2868	566994.36	4217243.75	9.32E-08	1.01E-07	1.94E-07	8.08E-08	8.90E-08	1.70E-07	9.77E-09	1.44E-08	2.42E-08	8.51E-09	8.88E-09	1.74E-08
2869	566982.67	4217241.16	9.57E-08	1.03E-07	1.99E-07	8.30E-08	9.14E-08	1.74E-07	1.00E-08	1.48E-08	2.48E-08	8.74E-09	9.12E-09	1.79E-08
2870	566970.99	4217238.57	9.83E-08	1.06E-07	2.05E-07	8.53E-08	9.39E-08	1.79E-07	1.03E-08	1.52E-08	2.55E-08	8.98E-09	9.37E-09	1.84E-08
2871	566947.61	4217233.39	1.05E-07	1.13E-07	2.17E-07	9.07E-08	9.99E-08	1.91E-07	1.10E-08	1.62E-08	2.72E-08	9.55E-09	9.97E-09	1.95E-08
2872	566935.93	4217230.8	1.08E-07	1.17E-07	2.25E-07	9.37E-08	1.03E-07	1.97E-07	1.13E-08	1.67E-08	2.81E-08	9.87E-09	1.03E-08	2.02E-08
2873	566924.24	4217228.21	1.12E-07	1.21E-07	2.32E-07	9.69E-08	1.07E-07	2.04E-07	1.17E-08	1.73E-08	2.90E-08	1.02E-08	1.06E-08	2.08E-08
2874	566912.56	4217225.62	1.16E-07	1.25E-07	2.40E-07	1.00E-07	1.10E-07	2.11E-07	1.21E-08	1.79E-08	3.00E-08	1.06E-08	1.10E-08	2.16E-08
2875	566900.87	4217223.03	1.19E-07	1.29E-07	2.48E-07	1.04E-07	1.14E-07	2.18E-07	1.25E-08	1.85E-08	3.10E-08	1.09E-08	1.14E-08	2.23E-08
2876	567087.18	4217260.47	8.12E-08	8.76E-08	1.69E-07	7.04E-08	7.75E-08	1.48E-07	8.51E-09	1.26E-08	2.11E-08	7.41E-09	7.74E-09	1.52E-08
2877	567076.74	4217266.22	7.78E-08	8.40E-08	1.62E-07	6.75E-08	7.43E-08	1.42E-07	8.16E-09	1.20E-08	2.02E-08	7.11E-09	7.41E-09	1.45E-08
2878	567065.91	4217269.19	7.62E-08	8.22E-08	1.58E-07	6.61E-08	7.28E-08	1.39E-07	7.99E-09	1.18E-08	1.98E-08	6.96E-09	7.26E-09	1.42E-08
2879	567054.28	4217266.61	7.75E-08	8.37E-08	1.61E-07	6.73E-08	7.41E-08	1.41E-07	8.13E-09	1.20E-08	2.01E-08	7.08E-09	7.39E-09	1.45E-08
2880	567042.65	4217264.03	7.91E-08	8.54E-08	1.64E-07	6.86E-08	7.55E-08	1.44E-07	8.29E-09	1.22E-08	2.05E-08	7.22E-09	7.54E-09	1.48E-08
2881	567019.39	4217258.88	8.25E-08	8.91E-08	1.72E-07	7.16E-08	7.88E-08	1.50E-07	8.66E-09	1.28E-08	2.14E-08	7.54E-09	7.87E-09	1.54E-08
2882	567007.76	4217256.3	8.44E-08	9.11E-08	1.76E-07	7.33E-08	8.07E-08	1.54E-07	8.86E-09	1.31E-08	2.19E-08	7.71E-09	8.05E-09	1.58E-08
2883	566996.13	4217253.73	8.65E-08	9.34E-08	1.80E-07	7.50E-08	8.26E-08	1.58E-07	9.07E-09	1.34E-08	2.25E-08	7.90E-09	8.24E-09	1.61E-08
2884	566984.51	4217251.15	8.86E-08	9.57E-08	1.84E-07	7.69E-08	8.47E-08	1.62E-07	9.30E-09	1.37E-08	2.30E-08	8.10E-09	8.45E-09	1.65E-08
2885	566972.88	4217248.57	9.09E-08	9.82E-08	1.89E-07	7.89E-08	8.69E-08	1.66E-07	9.54E-09	1.41E-08	2.36E-08	8.31E-09	8.67E-09	1.70E-08
2886	566937.99	4217240.84	9.92E-08	1.07E-07	2.06E-07	8.61E-08	9.48E-08	1.81E-07	1.04E-08	1.54E-08	2.58E-08	9.06E-09	9.46E-09	1.85E-08
2887	566926.36	4217238.26	1.02E-07	1.11E-07	2.13E-07	8.89E-08	9.78E-08	1.87E-07	1.07E-08	1.59E-08	2.66E-08	9.36E-09	9.76E-09	1.91E-08
2888	566914.73	4217235.69	1.06E-07	1.14E-07	2.20E-07	9.18E-08	1.01E-07	1.93E-07	1.11E-08	1.64E-08	2.75E-08	9.66E-09	1.01E-08	1.97E-08
2889	566903.1	4217233.11	1.09E-07	1.18E-07	2.27E-07	9.48E-08	1.04E-07	1.99E-07	1.15E-08	1.69E-08	2.84E-08	9.98E-09	1.04E-08	2.04E-08
2890	566891.47	4217230.53	1.13E-07	1.22E-07	2.35E-07	9.79E-08	1.08E-07	2.06E-07	1.18E-08	1.75E-08	2.93E-08	1.03E-08	1.08E-08	2.11E-08
2891	567016.08	4217267.73	7.79E-08	8.40E-08	1.62E-07	6.76E-08	7.44E-08	1.42E-07	8.17E-09	1.21E-08	2.02E-08	7.11E-09	7.42E-09	1.45E-08
2892	567004.26	4217265.11	7.96E-08	8.59E-08	1.66E-07	6.91E-08	7.61E-08	1.45E-07	8.35E-09	1.23E-08	2.07E-08	7.27E-09	7.59E-09	1.49E-08
2893	566992.45	4217262.49	8.15E-08	8.80E-08	1.69E-07	7.07E-08	7.78E-08	1.49E-07	8.55E-09	1.26E-08	2.12E-08	7.44E-09	7.77E-09	1.52E-08
2894	566980.63	4217259.87	8.34E-08	9.00E-08	1.73E-07	7.24E-08	7.97E-08	1.52E-07	8.75E-09	1.29E-08	2.17E-08	7.62E-09	7.95E-09	1.56E-08
2895	566968.82	4217257.26	8.55E-08	9.23E-08	1.78E-07	7.42E-08	8.17E-08	1.56E-07	8.97E-09	1.32E-08	2.22E-08	7.81E-09	8.15E-09	1.60E-08
2896	566945.19	4217252.02	9.03E-08	9.75E-08	1.88E-07	7.84E-08	8.63E-08	1.65E-07	9.48E-09	1.40E-08	2.35E-08	8.25E-09	8.61E-09	1.69E-08
2897	566933.38	4217249.4	9.31E-08	1.00E-07	1.94E-07	8.08E-08	8.89E-08	1.70E-07	9.76E-09	1.44E-08	2.42E-08	8.50E-09	8.87E-09	1.74E-08
2898	566921.56	4217246.78	9.6E-08	1.04E-07	2.00E-07	8.33E-08	9.17E-08	1.75E-07	1.01E-08	1.49E-08	2.49E-08	8.77E-09	9.15E-09	1.79E-08
2899	566909.75	4217244.17	9.91E-08	1.07E-07	2.06E-07	8.60E-08	9.47E-08	1.81E-07	1.04E-08	1.53E-08	2.57E-08	9.05E-09	9.45E-09	1.85E-08
2900	566897.94	4217241.55	1.02E-07	1.10E-07	2.13E-07	8.88E-08	9.78E-08	1.87E-07	1.07E-08	1.58E-08	2.66E-08	9.35E-09	9.76E-09	1.91E-08
2901	566974.66	4217268.13	7.9E-08	8.53E-08	1.64E-07	6.85E-08	7.55E-08	1.44E-07	8.29E-09	1.22E-08	2.05E-08	7.22E-09	7.53E-09	1.47E-08
2902	566962.91	4217265.53	8.09E-08	8.73E-08	1.68E-07	7.02E-08	7.72E-08	1.47E-07	8.48E-09	1.25E-08	2.10E-08	7.39E-09	7.71E-09	1.51E-08
2903	566939.39	4217260.32	8.53E-08	9.21E-08	1.77E-07	7.40E-08	8.15E-08	1.55E-07	8.95E-09	1.32E-08	2.21E-08	7.79E-09	8.13E-09	1.59E-08
2904	566927.64	4217257.71	8.78E-08	9.47E-08	1.82E-07	7.61E-08	8.38E-08	1.60E-07	9.21E-09	1.36E-08	2.28E-08	8.02E-09	8.37E-09	1.64E-08
2905	566915.88	4217255.11	9.04E-08	9.76E-08	1.88E-07	7.84E-08	8.64E-08	1.65E-07	9.48E-09	1.40E-08	2.35E-08	8.26E-09	8.62E-09	1.69E-08
2906	566904.13	4217252.5	9.32E-08	1.01E-07	1.94E-07	8.09E-08	8.90E-08	1.70E-07	9.78E-09	1.44E-08	2.42E-08	8.52E-09	8.89E-09	1.74E-08
2907	566892.37	4217249.9	9.62E-08	1.04E-07	2.00E-07	8.34E-08	9.19E-08	1.75E-07	1.01E-08	1.49E-08	2.50E-08	8.79E-09	9.17E-09	1.80E-08
2908	567088.05	4217292.03	6.6E-08	7.12E-08	1.37E-07	5.72E-08	6.30E-08	1.20E-07	6.92E-09	1.02E-08	1.71E-08	6.03E-09	6.29E-09	1.23E-08
2909	567077.55	4217297.82	6.37E-08	6.87E-08	1.32E-07	5.52E-08	6.08E-08	1.16E-07	6.68E-09	9.85E-09	1.65E-08	5.81E-09	6.07E-09	1.19E-08
2910	567066.25	4217298.01	6.37E-08	6.87E-08	1.32E-07	5.52E-08	6.08E-08	1.16E-07	6.68E-09	9.85E-09	1.65E-08	5.81E-09	6.07E-09	1.19E-08
2911	567054.55	4217295.42	6.48E-08	6.99E-08	1.35E-07	5.62E-08	6.19E-08	1.18E-07	6.80E-09	1.00E-08	1.68E-08	5.92E-09	6.18E-09	1.21E-08
2912	567042.85	4217292.83	6.6E-08	7.13E-08	1.37E-07	5.73E-08	6.31E-08	1.20E-07	6.92E-09	1.02E-08	1.71E-08	6.03E-09	6.29E-09	1.23E-08
2913	566925.82	4217266.89	8.21E-08	8.87E-08	1.71E-07	7.13E-08	7.84E-08	1.50E-07	8.61E-09	1.27E-08	2.13E-08	7.50E-09	7.83E-09	1.53E-08
2914	566914.12	4217264.3	8.45E-08	9.12E-08	1.76E-07	7.33E-08	8.07E-08	1.54E-07	8.86E-09	1.31E-08	2.19E-08	7.72E-09	8.05E-09	1.58E-08
2915	566902.41	4217261.71	8.7E-08	9.39E-08	1.81E-07	7.55E-08	8.31E-08	1.59E-07	9.12E-09	1.35E-08	2.26E-08	7.95E-09	8.29E-09	1.62E-08
2916	566890.71	4217259.11	8.97E-08	9.68E-08	1.86E-07	7.78E-08	8.56E-08	1.63E-07	9.40E-09	1.39E-08	2.33E-08	8.19E-09	8.55E-09	1.67E-08
2917	567092.9	4217300.05	6.29E-08	6.79E-08	1.31E-07	5.46E-08	6.01E-08	1.15E-07	6.60E-09	9.74E-09	1.63E-08	5.75E-09	6.00E-09	1.17E-08
2918	567082.44	4217305.8	6.07E-08	6.56E-08	1.26E-07	5.27E-08	5.80E-08	1.11E-07	6.37E-09	9.40E-09	1.58E-08	5.55E-09	5.79E-09	1.13E-08
2919	567071.59	4217308.78	5.98E-08	6.45E-08	1.24E-07	5.19E-08	5.71E-08	1.09E-07	6.27E-09	9.25E-09	1.55E-08	5.46E-09	5.70E-09	1.12E-08
2920	567059.94	4217306.2	6.08E-08	6.56E-08	1.26E-07	5.27E-08	5.81E-08	1.11E-07	6.37E-09	9.41E-09	1.58E-08	5.55E-09	5.79E-09	1.13E-08
2921	567048.28	4217303.62	6.19E-08	6.68E-08	1.29E-07	5.37E-08	5.91E-08	1.13E-07	6.49E-09	9.58E-09	1.61E-08	5.65E-09	5.90E-09	1.15E-08
2922	567024.98	4217298.45	6.42E-08	6.93E-08	1.34E-07	5.57E-08	6.13E-08	1.17E-07	6.74E-09	9.94E-09	1.67E-08	5.87E-09	6.12E-09	1.20E-08

2923	567013.32	4217295.87	6.54E-08	7.06E-08	1.36E-07	5.67E-08	6.25E-08	1.19E-07	6.86E-09	1.01E-08	1.70E-08	5.97E-09	6.23E-09	1.22E-08
2924	567001.67	4217293.29	6.66E-08	7.19E-08	1.38E-07	5.78E-08	6.36E-08	1.21E-07	6.99E-09	1.03E-08	1.73E-08	6.08E-09	6.35E-09	1.24E-08
2925	566896.79	4217270.05	8.21E-08	8.87E-08	1.71E-07	7.13E-08	7.85E-08	1.50E-07	8.62E-09	1.27E-08	2.13E-08	7.50E-09	7.83E-09	1.53E-08
2926	566873.49	4217264.88	8.72E-08	9.41E-08	1.81E-07	7.56E-08	8.33E-08	1.59E-07	9.14E-09	1.35E-08	2.26E-08	7.96E-09	8.31E-09	1.63E-08
2927	566984.36	4217075.23	7.02E-07	7.58E-07	1.46E-06	6.09E-07	6.71E-07	1.28E-06	7.37E-08	1.09E-07	1.82E-07	6.42E-08	6.70E-08	1.31E-07
2928	566921.49	4217140.18	2.72E-07	2.94E-07	5.66E-07	2.36E-07	2.60E-07	4.96E-07	2.85E-08	4.21E-08	7.06E-08	2.49E-08	2.59E-08	5.08E-08
2929	566915.24	4217147.99	2.49E-07	2.69E-07	5.18E-07	2.16E-07	2.38E-07	4.54E-07	2.61E-08	3.86E-08	6.47E-08	2.28E-08	2.37E-08	4.65E-08
2930	566908.99	4217155.79	2.29E-07	2.47E-07	4.76E-07	1.98E-07	2.18E-07	4.17E-07	2.40E-08	3.54E-08	5.94E-08	2.09E-08	2.18E-08	4.27E-08
2931	566871.81	4217215.7	1.3E-07	1.40E-07	2.71E-07	1.13E-07	1.24E-07	2.37E-07	1.37E-08	2.01E-08	3.38E-08	1.19E-08	1.24E-08	2.43E-08
2932	566865.55	4217223.5	1.22E-07	1.32E-07	2.54E-07	1.06E-07	1.17E-07	2.23E-07	1.28E-08	1.89E-08	3.17E-08	1.12E-08	1.16E-08	2.28E-08
2933	566941.1	4216986.91	1.39E-06	1.50E-06	2.89E-06	1.21E-06	1.33E-06	2.54E-06	1.46E-07	2.15E-07	3.61E-07	1.27E-07	1.33E-07	2.60E-07
2934	567105.11	4217057.3	2.8E-06	3.02E-06	5.83E-06	2.43E-06	2.68E-06	5.11E-06	2.94E-07	4.34E-07	7.28E-07	2.56E-07	2.67E-07	5.23E-07
2935	567123.77	4217062.54	2.68E-06	2.89E-06	5.57E-06	2.33E-06	2.56E-06	4.89E-06	2.81E-07	4.15E-07	6.96E-07	2.45E-07	2.55E-07	5.00E-07
2936	567133.1	4217065.16	2.59E-06	2.79E-06	5.38E-06	2.25E-06	2.47E-06	4.72E-06	2.71E-07	4.01E-07	6.72E-07	2.36E-07	2.47E-07	4.83E-07
2937	567121.07	4217072.17	1.76E-06	1.90E-06	3.67E-06	1.53E-06	1.68E-06	3.21E-06	1.85E-07	2.73E-07	4.58E-07	1.61E-07	1.68E-07	3.29E-07
2938	567130.4	4217074.79	1.75E-06	1.89E-06	3.64E-06	1.52E-06	1.67E-06	3.19E-06	1.84E-07	2.71E-07	4.54E-07	1.60E-07	1.67E-07	3.27E-07
2939	566971.93	4217095.26	5.07E-07	5.47E-07	1.05E-06	4.40E-07	4.84E-07	9.24E-07	5.31E-08	7.84E-08	1.32E-07	4.63E-08	4.83E-08	9.46E-08
2940	566934.25	4217088.37	5.05E-07	5.45E-07	1.05E-06	4.38E-07	4.82E-07	9.21E-07	5.30E-08	7.82E-08	1.31E-07	4.61E-08	4.81E-08	9.43E-08
2941	566937.86	4217114.93	3.7E-07	3.99E-07	7.69E-07	3.21E-07	3.53E-07	6.74E-07	3.88E-08	5.72E-08	9.60E-08	3.38E-08	3.52E-08	6.90E-08
2942	566923.51	4217103.3	4.13E-07	4.46E-07	8.59E-07	3.58E-07	3.94E-07	7.53E-07	4.33E-08	6.39E-08	1.07E-07	3.77E-08	3.94E-08	7.71E-08
2943	566892.71	4216996.09	8.44E-07	9.11E-07	1.76E-06	7.33E-07	8.06E-07	1.54E-06	8.86E-08	1.31E-07	2.19E-07	7.71E-08	8.05E-08	1.58E-07
2944	566874.6	4217000.12	7.23E-07	7.81E-07	1.50E-06	6.27E-07	6.91E-07	1.32E-06	7.59E-08	1.12E-07	1.88E-07	6.61E-08	6.89E-08	1.35E-07
2945	566828.79	4217003.34	5.25E-07	5.67E-07	1.09E-06	4.56E-07	5.02E-07	9.58E-07	5.51E-08	8.13E-08	1.36E-07	4.80E-08	5.01E-08	9.81E-08
2946	566887.02	4217191.93	1.6E-07	1.73E-07	3.33E-07	1.39E-07	1.53E-07	2.92E-07	1.68E-08	2.48E-08	4.15E-08	1.46E-08	1.52E-08	2.99E-08
2947	566872.25	4217179.96	1.79E-07	1.94E-07	3.73E-07	1.56E-07	1.71E-07	3.27E-07	1.88E-08	2.77E-08	4.66E-08	1.64E-08	1.71E-08	3.35E-08
2948	566801.76	4217011.12	4.41E-07	4.76E-07	9.16E-07	3.82E-07	4.21E-07	8.03E-07	4.62E-08	6.82E-08	1.14E-07	4.03E-08	4.20E-08	8.23E-08
2949	567053.43	4217312.85	5.86E-08	6.33E-08	1.22E-07	5.09E-08	5.60E-08	1.07E-07	6.15E-09	9.07E-09	1.52E-08	5.35E-09	5.59E-09	1.09E-08
2950	567062.76	4217315.47	5.76E-08	6.22E-08	1.20E-07	5.00E-08	5.51E-08	1.05E-07	6.05E-09	8.92E-09	1.50E-08	5.27E-09	5.49E-09	1.08E-08
2951	567072.09	4217318.09	5.67E-08	6.12E-08	1.18E-07	4.92E-08	5.42E-08	1.03E-07	5.95E-09	8.78E-09	1.47E-08	5.18E-09	5.41E-09	1.06E-08
2952	566852.55	4217211.27	1.36E-07	1.47E-07	2.84E-07	1.18E-07	1.30E-07	2.49E-07	1.43E-08	2.11E-08	3.54E-08	1.25E-08	1.30E-08	2.55E-08
2953	566966.74	4217298.87	6.51E-08	7.03E-08	1.35E-07	5.65E-08	6.22E-08	1.19E-07	6.83E-09	1.01E-08	1.69E-08	5.95E-09	6.21E-09	1.22E-08
2954	566976.07	4217301.49	6.39E-08	6.90E-08	1.33E-07	5.55E-08	6.11E-08	1.17E-07	6.71E-09	9.90E-09	1.66E-08	5.84E-09	6.09E-09	1.19E-08
2955	566985.4	4217304.12	6.28E-08	6.78E-08	1.31E-07	5.45E-08	6.00E-08	1.14E-07	6.59E-09	9.72E-09	1.63E-08	5.74E-09	5.99E-09	1.17E-08
2956	566994.73	4217306.74	6.17E-08	6.66E-08	1.28E-07	5.35E-08	5.89E-08	1.12E-07	6.47E-09	9.55E-09	1.60E-08	5.64E-09	5.88E-09	1.15E-08
2957	567004.06	4217309.36	6.07E-08	6.55E-08	1.26E-07	5.26E-08	5.79E-08	1.11E-07	6.36E-09	9.39E-09	1.58E-08	5.54E-09	5.78E-09	1.13E-08
2958	567013.4	4217311.98	5.96E-08	6.44E-08	1.24E-07	5.17E-08	5.70E-08	1.09E-07	6.25E-09	9.23E-09	1.55E-08	5.45E-09	5.68E-09	1.11E-08
2959	567022.73	4217314.61	5.86E-08	6.33E-08	1.22E-07	5.09E-08	5.60E-08	1.07E-07	6.15E-09	9.07E-09	1.52E-08	5.35E-09	5.59E-09	1.09E-08
2960	567041.39	4217319.85	5.66E-08	6.11E-08	1.18E-07	4.91E-08	5.41E-08	1.03E-07	5.94E-09	8.76E-09	1.47E-08	5.17E-09	5.40E-09	1.06E-08
2961	567050.72	4217322.47	5.56E-08	6.01E-08	1.16E-07	4.83E-08	5.31E-08	1.01E-07	5.84E-09	8.61E-09	1.44E-08	5.08E-09	5.30E-09	1.04E-08
2962	567060.05	4217325.1	5.47E-08	5.91E-08	1.14E-07	4.75E-08	5.23E-08	9.98E-08	5.74E-09	8.47E-09	1.42E-08	5.00E-09	5.22E-09	1.02E-08
2963	567069.39	4217327.72	5.39E-08	5.81E-08	1.12E-07	4.67E-08	5.15E-08	9.82E-08	5.65E-09	8.34E-09	1.40E-08	4.92E-09	5.13E-09	1.01E-08
2964	566947.27	4217299.85	6.52E-08	7.04E-08	1.36E-07	5.66E-08	6.23E-08	1.19E-07	6.84E-09	1.01E-08	1.69E-08	5.96E-09	6.22E-09	1.22E-08
2965	566939.83	4217293.83	6.79E-08	7.33E-08	1.41E-07	5.89E-08	6.49E-08	1.24E-07	7.12E-09	1.05E-08	1.76E-08	6.20E-09	6.47E-09	1.27E-08
2966	566765.45	4217018.17	3.6E-07	3.88E-07	7.48E-07	3.12E-07	3.43E-07	6.55E-07	3.77E-08	5.57E-08	9.34E-08	3.28E-08	3.43E-08	6.71E-08
2967	566964.03	4217308.5	6.16E-08	6.65E-08	1.28E-07	5.35E-08	5.89E-08	1.12E-07	6.46E-09	9.54E-09	1.60E-08	5.63E-09	5.87E-09	1.15E-08
2968	566973.36	4217311.12	6.06E-08	6.54E-08	1.26E-07	5.25E-08	5.78E-08	1.10E-07	6.35E-09	9.37E-09	1.57E-08	5.53E-09	5.77E-09	1.13E-08
2969	566982.7	4217313.74	5.95E-08	6.43E-08	1.24E-07	5.17E-08	5.69E-08	1.09E-07	6.24E-09	9.21E-09	1.55E-08	5.44E-09	5.67E-09	1.11E-08
2970	566992.03	4217316.36	5.85E-08	6.32E-08	1.22E-07	5.08E-08	5.59E-08	1.07E-07	6.14E-09	9.06E-09	1.52E-08	5.35E-09	5.58E-09	1.09E-08
2971	567001.36	4217318.99	5.76E-08	6.21E-08	1.20E-07	4.99E-08	5.50E-08	1.05E-07	6.04E-09	8.91E-09	1.49E-08	5.26E-09	5.49E-09	1.07E-08
2972	567010.69	4217321.61	5.66E-08	6.11E-08	1.18E-07	4.91E-08	5.41E-08	1.03E-07	5.94E-09	8.76E-09	1.47E-08	5.17E-09	5.40E-09	1.06E-08
2973	567020.02	4217324.23	5.57E-08	6.01E-08	1.16E-07	4.83E-08	5.32E-08	1.01E-07	5.84E-09	8.62E-09	1.45E-08	5.09E-09	5.31E-09	1.04E-08
2974	567038.69	4217329.48	5.38E-08	5.81E-08	1.12E-07	4.67E-08	5.14E-08	9.81E-08	5.65E-09	8.33E-09	1.40E-08	4.92E-09	5.13E-09	1.00E-08
2975	567048.02	4217332.1	5.29E-08	5.71E-08	1.10E-07	4.59E-08	5.06E-08	9.65E-08	5.55E-09	8.19E-09	1.37E-08	4.83E-09	5.04E-09	9.88E-09
2976	567057.35	4217334.72	5.21E-08	5.62E-08	1.08E-07	4.52E-08	4.97E-08	9.49E-08	5.46E-09	8.06E-09	1.35E-08	4.76E-09	4.96E-09	9.72E-09
2977	567066.68	4217337.34	5.13E-08	5.53E-08	1.07E-07	4.45E-08	4.90E-08	9.34E-08	5.38E-09	7.94E-09	1.33E-08	4.68E-09	4.89E-09	9.57E-09
2978	566944.61	4217309.52	6.16E-08	6.65E-08	1.28E-07	5.35E-08	5.88E-08	1.12E-07	6.46E-09	9.54E-09	1.60E-08	5.63E-09	5.87E-09	1.15E-08
2979	566937.23	4217303.54	6.4E-08	6.91E-08	1.33E-07	5.55E-08	6.11E-08	1.17E-07	6.71E-09	9.91E-09	1.66E-08	5.85E-09	6.10E-09	1.19E-08
2980	566929.85	4217297.55	6.66E-08	7.19E-08	1.39E-07	5.78E-08	6.36E-08	1.21E-07	6.99E-09	1.03E-08	1.73E-08	6.09E-09	6.35E-09	1.24E-08
2981	566870.79	4217249.69	9.82E-08	1.06E-07	2.04E-07	8.52E-08	9.38E-08	1.79E-07	1.03E-08	1.52E-08	2.55E-08	8.97E-09	9.36E-09	1.83E-08
2982	566970.66	4217320.75	5.75E-08	6.20E-08	1.20E-07	4.99E-08	5.49E-08	1.05E-07	6.03E-09	8.90E-09	1.49E-08	5.25E-09	5.48E-09	1.07E-08
2983	566979.99	4217323.37	5.65E-08	6.10E-08	1.18E-07	4.91E-08	5.40E-08	1.03E-07	5.93E-09	8.75E-09	1.47E-08	5.16E-09	5.39E-09	1.06E-08
2984	566989.32	4217325.99	5.56E-08	6.01E-08	1.16E-07	4.83E-08	5.31E-08	1.01E-07	5.84E-09	8.61E-09	1.44E-08	5.08E-09	5.30E-09	1.04E-08
2985	566998.65	4217328.61	5.47E-08	5.91E-08	1.14E-07	4.75E-08	5.23E-08	9.98E-08	5.74E-09	8.47E-09	1.42E-08	5.00E-09	5.22E-09	1.02E-08
2986	567007.98	4217331.24	5.39E-08	5.81E-08	1.12E-07	4.67E-08	5.15E-08	9.82E-08	5.65E-09	8.34E-09	1.40E-08	4.92E-09	5.13E-09	1.01E-08
2987	567017.32	4217333.86	5.3E-08	5.72E-08	1.10E-07	4.60E-08	5.06E-08	9.66E-08	5.56E-09	8.20E-09	1.38E-08	4.84E-09	5.05E-09	9.89E-09
2988	567026.65	4217336.48	5.21E-08	5.63E-08	1.08E-07	4.52E-08	4.98E-08	9.50E-08	5.47E-09	8.07E-09	1.35E-08	4.76E-09	4.97E-09	9.73E-09
2989	567045.31	4217341.73	5.04E-08	5.45E-08	1.05E-07	4.38E-08	4.82E-08	9.19E-08	5.29E-09	7.81E-09	1.31E-08	4.61E-09	4.81E-09	9.42E-09
2990	567054.64	4217344.35	4.96E-08	5.36E-08	1.03E-07	4.31E-08	4.74E-08	9.05E-08	5.21E-09	7.68E-09	1.29E-08	4.53E-09	4.73E-09	9.26E-09
2991	567063.97	4217346.97	4.89E-08	5.28E-08	1.02E-07	4.24E-08	4.67E-08	8.91E-08	5.13E-09	7.56E-09	1.27E-08	4.46E-09	4.66E-09	9.12E-09
2992	566941.95	4217319.18	5.83E-08	6.29E-08	1.21E-07	5.06E-08	5.57E-08	1.06E-07	6.12E-09	9.03E-09	1.51E-08	5.33E-09	5.56E-09	1.09E-08
2993	566934.62	4217313.24	6.05E-08	6.53E-08	1.26E-07	5.25E-08	5.77E-08	1.10E-07	6.34E-09	9.36E-09	1.57E-08	5.52E-09	5.76E-09	1.13E-08
2994	566927.28	4217307.29	6.28E-08	6.78E-08	1.31E-07	5.45E-08	6.00E-08	1.14E-07	6.59E-09	9.72E-09	1.63E-08	5.74E-09	5.99E-09	1.17E-08
2995	566919.95	4217301.35	6.53E-08	7.05E-08	1.36E-07	5.67E-08	6.24E-08	1.19E-07	6.85E-09	1.01E-08	1.70E-08	5.97E-09	6.23E-09	1.22E-08
2996	566912.61	4217295.41	6.81E-08	7.35E-08	1.42E-07	5.91E-08	6.50E-08	1.24E-07	7.14E-09	1.05E-08	1.77E-08	6.22E-09	6.49E-09	1.27E-08
2997	566773.24	4217182.46	1.65E-07	1.78E-07	3.44E-07	1.43E-07	1.58E-07	3.01E-07	1.73E-08	2.56E-08	4.29E-08	1.51E-08	1.57E-08	3.08E-08
2998	566765.91	4217176.51	1.7E-07	1.84E-07	3.54E-07	1.48E-07	1.63E-07	3.11E-07	1.79E-08	2.64E-08	4.42E-08	1.56E-08	1.62E-08	3.18E-08
2999	566757.86	4217161.15	1.85E-07	2.00E-07	3.85E-07	1.61E-07	1.77E-07	3.38E-07	1.94E-08	2.87E-08	4.81E-08	1.69E-08	1.77E-08	3.46E-08

3000	566949.29	4217325.13	5.63E-08	6.08E-08	1.17E-07	4.89E-08	5.38E-08	1.03E-07	5.91E-09	8.72E-09	1.46E-08	5.15E-09	5.37E-09	1.05E-08
3001	566967.95	4217330.37	5.46E-08	5.90E-08	1.14E-07	4.74E-08	5.22E-08	9.96E-08	5.73E-09	8.46E-09	1.42E-08	4.99E-09	5.21E-09	1.02E-08
3002	566977.28	4217333	5.38E-08	5.80E-08	1.12E-07	4.67E-08	5.14E-08	9.80E-08	5.64E-09	8.32E-09	1.40E-08	4.91E-09	5.13E-09	1.00E-08
3003	566986.62	4217335.62	5.3E-08	5.72E-08	1.10E-07	4.59E-08	5.06E-08	9.65E-08	5.55E-09	8.20E-09	1.38E-08	4.84E-09	5.05E-09	9.89E-09
3004	566995.95	4217338.24	5.22E-08	5.63E-08	1.08E-07	4.52E-08	4.98E-08	9.51E-08	5.47E-09	8.07E-09	1.35E-08	4.76E-09	4.97E-09	9.74E-09
3005	567005.28	4217340.86	5.13E-08	5.54E-08	1.07E-07	4.45E-08	4.90E-08	9.36E-08	5.39E-09	7.95E-09	1.33E-08	4.69E-09	4.89E-09	9.58E-09
3006	567014.61	4217343.49	5.05E-08	5.46E-08	1.05E-07	4.38E-08	4.83E-08	9.21E-08	5.30E-09	7.82E-09	1.31E-08	4.62E-09	4.82E-09	9.43E-09
3007	567023.94	4217346.11	4.97E-08	5.37E-08	1.03E-07	4.32E-08	4.75E-08	9.07E-08	5.22E-09	7.70E-09	1.29E-08	4.54E-09	4.74E-09	9.28E-09
3008	567042.61	4217351.35	4.82E-08	5.20E-08	1.00E-07	4.18E-08	4.60E-08	8.78E-08	5.05E-09	7.45E-09	1.25E-08	4.40E-09	4.59E-09	8.99E-09
3009	567051.94	4217353.98	4.74E-08	5.11E-08	9.85E-08	4.11E-08	4.53E-08	8.64E-08	4.97E-09	7.33E-09	1.23E-08	4.33E-09	4.52E-09	8.84E-09
3010	567061.27	4217356.6	4.67E-08	5.04E-08	9.70E-08	4.05E-08	4.46E-08	8.50E-08	4.89E-09	7.22E-09	1.21E-08	4.26E-09	4.45E-09	8.71E-09
3011	567279.1	4217261.6	1.71E-07	1.85E-07	3.56E-07	1.49E-07	1.63E-07	3.12E-07	1.80E-08	2.65E-08	4.44E-08	1.56E-08	1.63E-08	3.19E-08
3012	567122.82	4217293.39	6.68E-08	7.22E-08	1.39E-07	5.80E-08	6.39E-08	1.22E-07	7.01E-09	1.03E-08	1.74E-08	6.11E-09	6.37E-09	1.25E-08
3013	567289.51	4217263.28	1.76E-07	1.90E-07	3.66E-07	1.53E-07	1.68E-07	3.21E-07	1.85E-08	2.72E-08	4.57E-08	1.61E-08	1.68E-08	3.28E-08
3014	567218.76	4217291.17	9.25E-08	9.99E-08	1.92E-07	8.03E-08	8.84E-08	1.69E-07	9.70E-09	1.43E-08	2.40E-08	8.45E-09	8.82E-09	1.73E-08
3015	567209.76	4217292.25	8.76E-08	9.46E-08	1.82E-07	7.60E-08	8.37E-08	1.60E-07	9.19E-09	1.36E-08	2.27E-08	8.00E-09	8.35E-09	1.64E-08
3016	567200.77	4217293.34	8.32E-08	8.98E-08	1.73E-07	7.22E-08	7.95E-08	1.52E-07	8.73E-09	1.29E-08	2.16E-08	7.60E-09	7.93E-09	1.55E-08
3017	567191.77	4217294.42	7.93E-08	8.56E-08	1.65E-07	6.88E-08	7.57E-08	1.45E-07	8.32E-09	1.23E-08	2.06E-08	7.24E-09	7.56E-09	1.48E-08
3018	567173.77	4217296.58	7.29E-08	7.87E-08	1.52E-07	6.32E-08	6.96E-08	1.33E-07	7.64E-09	1.13E-08	1.89E-08	6.66E-09	6.95E-09	1.36E-08
3019	567164.77	4217297.66	7.03E-08	7.59E-08	1.46E-07	6.10E-08	6.72E-08	1.28E-07	7.38E-09	1.09E-08	1.83E-08	6.42E-09	6.70E-09	1.31E-08
3020	567155.78	4217298.74	6.82E-08	7.36E-08	1.42E-07	5.92E-08	6.51E-08	1.24E-07	7.15E-09	1.06E-08	1.77E-08	6.23E-09	6.50E-09	1.27E-08
3021	567146.78	4217299.82	6.64E-08	7.17E-08	1.38E-07	5.76E-08	6.34E-08	1.21E-07	6.96E-09	1.03E-08	1.72E-08	6.06E-09	6.33E-09	1.24E-08
3022	567137.78	4217300.9	6.49E-08	7.00E-08	1.35E-07	5.63E-08	6.20E-08	1.18E-07	6.81E-09	1.00E-08	1.68E-08	5.93E-09	6.18E-09	1.21E-08
3023	567119.79	4217303.06	6.27E-08	6.76E-08	1.30E-07	5.44E-08	5.98E-08	1.14E-07	6.57E-09	9.70E-09	1.63E-08	5.72E-09	5.97E-09	1.17E-08
3024	567305.4	4217257.97	1.97E-07	2.13E-07	4.10E-07	1.71E-07	1.89E-07	3.60E-07	2.07E-08	3.05E-08	5.13E-08	1.80E-08	1.88E-08	3.68E-08
3025	567268.72	4217294.48	1.16E-07	1.26E-07	2.42E-07	1.01E-07	1.11E-07	2.12E-07	1.22E-08	1.80E-08	3.02E-08	1.06E-08	1.11E-08	2.17E-08
3026	567250.84	4217296.62	1.04E-07	1.12E-07	2.16E-07	9.01E-08	9.92E-08	1.89E-07	1.09E-08	1.61E-08	2.70E-08	9.49E-09	9.90E-09	1.94E-08
3027	567232.97	4217298.77	9.27E-08	1.00E-07	1.93E-07	8.04E-08	8.85E-08	1.69E-07	9.72E-09	1.43E-08	2.41E-08	8.47E-09	8.83E-09	1.73E-08
3028	567215.09	4217300.92	8.32E-08	8.98E-08	1.73E-07	7.22E-08	7.95E-08	1.52E-07	8.73E-09	1.29E-08	2.16E-08	7.60E-09	7.93E-09	1.55E-08
3029	567197.22	4217303.06	7.55E-08	8.15E-08	1.57E-07	6.55E-08	7.21E-08	1.38E-07	7.92E-09	1.17E-08	1.96E-08	6.90E-09	7.20E-09	1.41E-08
3030	567179.34	4217305.21	6.95E-08	7.50E-08	1.45E-07	6.03E-08	6.64E-08	1.27E-07	7.29E-09	1.08E-08	1.80E-08	6.35E-09	6.62E-09	1.30E-08
3031	567170.4	4217306.28	6.71E-08	7.24E-08	1.40E-07	5.82E-08	6.41E-08	1.22E-07	7.04E-09	1.04E-08	1.74E-08	6.13E-09	6.40E-09	1.25E-08
3032	567152.53	4217308.43	6.33E-08	6.83E-08	1.32E-07	5.49E-08	6.05E-08	1.15E-07	6.64E-09	9.80E-09	1.64E-08	5.78E-09	6.04E-09	1.18E-08
3033	567134.65	4217310.58	6.07E-08	6.55E-08	1.26E-07	5.27E-08	5.80E-08	1.11E-07	6.37E-09	9.39E-09	1.58E-08	5.54E-09	5.78E-09	1.13E-08
3034	567116.78	4217312.72	5.89E-08	6.36E-08	1.23E-07	5.11E-08	5.63E-08	1.07E-07	6.18E-09	9.12E-09	1.53E-08	5.38E-09	5.62E-09	1.10E-08
3035	567089.97	4217315.94	5.74E-08	6.19E-08	1.19E-07	4.98E-08	5.48E-08	1.05E-07	6.02E-09	8.88E-09	1.49E-08	5.24E-09	5.47E-09	1.07E-08
3036	567317.1	4217258.02	2.05E-07	2.21E-07	4.26E-07	1.78E-07	1.96E-07	3.73E-07	2.15E-08	3.17E-08	5.32E-08	1.87E-08	1.95E-08	3.82E-08
3037	567311.34	4217265.37	1.87E-07	2.02E-07	3.89E-07	1.62E-07	1.79E-07	3.41E-07	1.96E-08	2.90E-08	4.86E-08	1.71E-08	1.78E-08	3.49E-08
3038	567288.32	4217294.77	1.28E-07	1.38E-07	2.65E-07	1.11E-07	1.22E-07	2.32E-07	1.34E-08	1.97E-08	3.31E-08	1.16E-08	1.22E-08	2.38E-08
3039	567273.3	4217303.23	1.09E-07	1.18E-07	2.27E-07	9.49E-08	1.04E-07	1.99E-07	1.15E-08	1.69E-08	2.84E-08	9.99E-09	1.04E-08	2.04E-08
3040	567254.76	4217305.46	9.75E-08	1.05E-07	2.03E-07	8.46E-08	9.31E-08	1.78E-07	1.02E-08	1.51E-08	2.53E-08	8.90E-09	9.29E-09	1.82E-08
3041	567245.49	4217306.57	9.2E-08	9.93E-08	1.91E-07	7.98E-08	8.79E-08	1.68E-07	9.65E-09	1.42E-08	2.39E-08	8.40E-09	8.77E-09	1.72E-08
3042	567236.22	4217307.68	8.69E-08	9.38E-08	1.81E-07	7.54E-08	8.30E-08	1.58E-07	9.11E-09	1.34E-08	2.26E-08	7.94E-09	8.28E-09	1.62E-08
3043	567226.95	4217308.79	8.22E-08	8.87E-08	1.71E-07	7.13E-08	7.85E-08	1.50E-07	8.62E-09	1.27E-08	2.13E-08	7.51E-09	7.84E-09	1.53E-08
3044	567217.68	4217309.91	7.79E-08	8.41E-08	1.62E-07	6.76E-08	7.45E-08	1.42E-07	8.18E-09	1.21E-08	2.02E-08	7.12E-09	7.43E-09	1.45E-08
3045	567208.42	4217311.02	7.41E-08	8.00E-08	1.54E-07	6.43E-08	7.08E-08	1.35E-07	7.78E-09	1.15E-08	1.93E-08	6.77E-09	7.07E-09	1.38E-08
3046	567199.15	4217312.13	7.08E-08	7.64E-08	1.47E-07	6.14E-08	6.76E-08	1.29E-07	7.42E-09	1.10E-08	1.84E-08	6.46E-09	6.74E-09	1.32E-08
3047	567171.34	4217315.47	6.3E-08	6.80E-08	1.31E-07	5.47E-08	6.02E-08	1.15E-07	6.61E-09	9.76E-09	1.64E-08	5.76E-09	6.01E-09	1.18E-08
3048	567162.07	4217316.59	6.12E-08	6.60E-08	1.27E-07	5.31E-08	5.84E-08	1.11E-07	6.42E-09	9.47E-09	1.59E-08	5.59E-09	5.83E-09	1.14E-08
3049	567152.8	4217317.7	5.96E-08	6.43E-08	1.24E-07	5.17E-08	5.69E-08	1.09E-07	6.25E-09	9.23E-09	1.55E-08	5.44E-09	5.68E-09	1.11E-08
3050	567143.53	4217318.81	5.83E-08	6.29E-08	1.21E-07	5.06E-08	5.57E-08	1.06E-07	6.12E-09	9.02E-09	1.51E-08	5.33E-09	5.56E-09	1.09E-08
3051	567134.27	4217319.93	5.73E-08	6.18E-08	1.19E-07	4.97E-08	5.47E-08	1.04E-07	6.01E-09	8.86E-09	1.49E-08	5.23E-09	5.46E-09	1.07E-08
3052	567125	4217321.04	5.64E-08	6.09E-08	1.17E-07	4.89E-08	5.39E-08	1.03E-07	5.92E-09	8.73E-09	1.46E-08	5.15E-09	5.38E-09	1.05E-08
3053	567115.73	4217322.15	5.57E-08	6.02E-08	1.16E-07	4.84E-08	5.32E-08	1.02E-07	5.85E-09	8.63E-09	1.45E-08	5.09E-09	5.31E-09	1.04E-08
3054	567097.19	4217324.38	5.48E-08	5.91E-08	1.14E-07	4.75E-08	5.23E-08	9.98E-08	5.74E-09	8.48E-09	1.42E-08	5.00E-09	5.22E-09	1.02E-08
3055	567087.92	4217325.49	5.44E-08	5.87E-08	1.13E-07	4.72E-08	5.20E-08	9.92E-08	5.71E-09	8.42E-09	1.41E-08	4.97E-09	5.19E-09	1.02E-08
3056	567078.65	4217326.6	5.41E-08	5.84E-08	1.13E-07	4.70E-08	5.17E-08	9.87E-08	5.68E-09	8.38E-09	1.41E-08	4.94E-09	5.16E-09	1.01E-08
3057	567401.72	4217164.92	3.98E-07	4.30E-07	8.29E-07	3.46E-07	3.81E-07	7.26E-07	4.18E-08	6.17E-08	1.03E-07	3.64E-08	3.80E-08	7.44E-08
3058	567384.58	4217186.81	3.73E-07	4.02E-07	7.75E-07	3.23E-07	3.56E-07	6.79E-07	3.91E-08	5.77E-08	9.68E-08	3.40E-08	3.55E-08	6.96E-08
3059	567378.87	4217194.1	3.6E-07	3.89E-07	7.50E-07	3.13E-07	3.44E-07	6.57E-07	3.78E-08	5.58E-08	9.36E-08	3.29E-08	3.44E-08	6.73E-08
3060	567373.16	4217201.4	3.47E-07	3.74E-07	7.21E-07	3.01E-07	3.31E-07	6.32E-07	3.64E-08	5.37E-08	9.00E-08	3.17E-08	3.30E-08	6.47E-08
3061	567367.45	4217208.69	3.31E-07	3.58E-07	6.89E-07	2.88E-07	3.17E-07	6.04E-07	3.48E-08	5.13E-08	8.61E-08	3.03E-08	3.16E-08	6.19E-08
3062	567356.02	4217223.28	2.98E-07	3.21E-07	6.19E-07	2.58E-07	2.84E-07	5.42E-07	3.12E-08	4.61E-08	7.73E-08	2.72E-08	2.84E-08	5.55E-08
3063	567350.31	4217230.58	2.8E-07	3.02E-07	5.81E-07	2.43E-07	2.67E-07	5.10E-07	2.93E-08	4.33E-08	7.26E-08	2.55E-08	2.66E-08	5.22E-08
3064	567344.6	4217237.87	2.61E-07	2.82E-07	5.43E-07	2.27E-07	2.50E-07	4.76E-07	2.74E-08	4.04E-08	6.79E-08	2.39E-08	2.49E-08	4.88E-08
3065	567327.46	4217259.76	2.07E-07	2.24E-07	4.31E-07	1.80E-07	1.98E-07	3.78E-07	2.17E-08	3.21E-08	5.38E-08	1.89E-08	1.98E-08	3.87E-08
3066	567304.61	4217288.94	1.45E-07	1.56E-07	3.01E-07	1.26E-07	1.38E-07	2.64E-07	1.52E-08	2.24E-08	3.76E-08	1.32E-08	1.38E-08	2.71E-08
3067	567298.9	4217296.24	1.32E-07	1.42E-07	2.74E-07	1.14E-07	1.26E-07	2.40E-07	1.38E-08	2.04E-08	3.42E-08	1.20E-08	1.26E-08	2.46E-08
3068	567293.18	4217303.53	1.2E-07	1.29E-07	2.49E-07	1.04E-07	1.15E-07	2.19E-07	1.26E-08	1.86E-08	3.11E-08	1.10E-08	1.14E-08	2.24E-08
3069	567278.27	4217311.93	1.03E-07	1.11E-07	2.15E-07	8.96E-08	9.86E-08	1.88E-07	1.08E-08	1.60E-08	2.68E-08	9.43E-09	9.84E-09	1.93E-08
3070	567269.07	4217313.04	9.76E-08	1.05E-07	2.03E-07	8.47E-08	9.33E-08	1.78E-07	1.02E-08	1.51E-08	2.54E-08	8.92E-09	9.31E-09	1.82E-08
3071	567250.67	4217315.25	8.73E-08	9.42E-08	1.81E-07	7.57E-08	8.34E-08	1.59E-07	9.15E-09	1.35E-08	2.27E-08	7.97E-09	8.32E-09	1.63E-08
3072	567241.47	4217316.35	8.26E-08	8.91E-08	1.72E-07	7.16E-08	7.89E-08	1.51E-07	8.66E-09	1.28E-08	2.14E-08	7.54E-09	7.87E-09	1.54E-08
3073	567232.27	4217317.46	7.82E-08	8.45E-08	1.63E-07	6.79E-08	7.47E-08	1.43E-07	8.21E-09	1.21E-08	2.03E-08	7.15E-09	7.46E-09	1.46E-08
3074	567223.07	4217318.56	7.43E-08	8.02E-08	1.55E-07	6.45E-08	7.10E-08	1.35E-07	7.79E-09	1.15E-08	1.93E-08	6.79E-09	7.08E-09	1.39E-08
3075	567213.87	4217319.67	7.07E-08	7.64E-08	1.47E-07	6.14E-08	6.76E-08	1.29E-07	7.42E-09	1.10E-08	1.84E-08	6.46E-09	6.74E-09	1.32E-08
3076	567204.68	4217320.77	6.76E-08	7.30E-08	1.41E-07	5.86E-08	6.46E-08	1.23E-07	7.09E-09	1.05E-08	1.76E-08	6.17E-09	6.44E-09	1.26E-08

3077	567195.48	4217321.88	6.48E-08	7.00E-08	1.35E-07	5.62E-08	6.19E-08	1.18E-07	6.80E-09	1.00E-08	1.68E-08	5.92E-09	6.18E-09	1.21E-08
3078	567177.08	4217324.09	6.03E-08	6.51E-08	1.25E-07	5.23E-08	5.76E-08	1.10E-07	6.33E-09	9.34E-09	1.57E-08	5.51E-09	5.75E-09	1.13E-08
3079	567167.88	4217325.19	5.85E-08	6.32E-08	1.22E-07	5.08E-08	5.59E-08	1.07E-07	6.14E-09	9.06E-09	1.52E-08	5.35E-09	5.58E-09	1.09E-08
3080	567158.68	4217326.3	5.7E-08	6.16E-08	1.19E-07	4.95E-08	5.45E-08	1.04E-07	5.98E-09	8.83E-09	1.48E-08	5.21E-09	5.44E-09	1.06E-08
3081	567149.48	4217327.4	5.58E-08	6.02E-08	1.16E-07	4.84E-08	5.33E-08	1.02E-07	5.85E-09	8.63E-09	1.45E-08	5.10E-09	5.32E-09	1.04E-08
3082	567140.28	4217328.51	5.47E-08	5.91E-08	1.14E-07	4.75E-08	5.23E-08	9.98E-08	5.74E-09	8.47E-09	1.42E-08	5.00E-09	5.22E-09	1.02E-08
3083	567131.08	4217329.61	5.39E-08	5.82E-08	1.12E-07	4.68E-08	5.15E-08	9.83E-08	5.66E-09	8.35E-09	1.40E-08	4.93E-09	5.14E-09	1.01E-08
3084	567121.88	4217330.72	5.33E-08	5.75E-08	1.11E-07	4.62E-08	5.09E-08	9.71E-08	5.59E-09	8.24E-09	1.38E-08	4.87E-09	5.08E-09	9.94E-09
3085	567094.28	4217334.03	5.2E-08	5.61E-08	1.08E-07	4.51E-08	4.96E-08	9.47E-08	5.45E-09	8.05E-09	1.35E-08	4.75E-09	4.95E-09	9.70E-09
3086	567085.08	4217335.13	5.17E-08	5.58E-08	1.08E-07	4.49E-08	4.94E-08	9.43E-08	5.42E-09	8.00E-09	1.34E-08	4.72E-09	4.93E-09	9.65E-09
3087	567075.88	4217336.24	5.15E-08	5.56E-08	1.07E-07	4.47E-08	4.92E-08	9.38E-08	5.40E-09	7.97E-09	1.34E-08	4.70E-09	4.91E-09	9.61E-09
3088	567394.49	4217189.13	3.6E-07	3.89E-07	7.49E-07	3.12E-07	3.44E-07	6.56E-07	3.78E-08	5.57E-08	9.35E-08	3.29E-08	3.43E-08	6.72E-08
3089	567388.82	4217196.38	3.49E-07	3.77E-07	7.26E-07	3.03E-07	3.34E-07	6.37E-07	3.66E-08	5.41E-08	9.07E-08	3.19E-08	3.33E-08	6.52E-08
3090	567383.15	4217203.62	3.37E-07	3.64E-07	7.01E-07	2.93E-07	3.22E-07	6.15E-07	3.54E-08	5.22E-08	8.76E-08	3.08E-08	3.21E-08	6.30E-08
3091	567377.48	4217210.87	3.24E-07	3.49E-07	6.73E-07	2.81E-07	3.09E-07	5.90E-07	3.39E-08	5.01E-08	8.40E-08	2.96E-08	3.08E-08	6.04E-08
3092	567371.8	4217218.11	3.09E-07	3.33E-07	6.42E-07	2.68E-07	2.95E-07	5.63E-07	3.24E-08	4.78E-08	8.02E-08	2.82E-08	2.94E-08	5.76E-08
3093	567366.13	4217225.36	2.93E-07	3.16E-07	6.09E-07	2.54E-07	2.80E-07	5.34E-07	3.07E-08	4.54E-08	7.61E-08	2.68E-08	2.79E-08	5.47E-08
3094	567360.46	4217232.6	2.77E-07	2.99E-07	5.75E-07	2.40E-07	2.64E-07	5.04E-07	2.90E-08	4.28E-08	7.18E-08	2.53E-08	2.64E-08	5.16E-08
3095	567354.78	4217239.85	2.6E-07	2.80E-07	5.40E-07	2.25E-07	2.48E-07	4.73E-07	2.72E-08	4.02E-08	6.74E-08	2.37E-08	2.48E-08	4.85E-08
3096	567349.11	4217247.09	2.43E-07	2.62E-07	5.05E-07	2.11E-07	2.32E-07	4.42E-07	2.55E-08	3.76E-08	6.30E-08	2.22E-08	2.31E-08	4.53E-08
3097	567315.07	4217290.56	1.49E-07	1.61E-07	3.09E-07	1.29E-07	1.42E-07	2.71E-07	1.56E-08	2.30E-08	3.86E-08	1.36E-08	1.42E-08	2.78E-08
3098	567309.4	4217297.81	1.36E-07	1.47E-07	2.82E-07	1.18E-07	1.30E-07	2.48E-07	1.42E-08	2.10E-08	3.53E-08	1.24E-08	1.29E-08	2.54E-08
3099	567298.05	4217312.3	1.13E-07	1.22E-07	2.35E-07	9.80E-08	1.08E-07	2.06E-07	1.18E-08	1.75E-08	2.93E-08	1.03E-08	1.08E-08	2.11E-08
3100	567283.24	4217320.64	9.76E-08	1.05E-07	2.03E-07	8.47E-08	9.32E-08	1.78E-07	1.02E-08	1.51E-08	2.53E-08	8.92E-09	9.30E-09	1.82E-08
3101	567274.11	4217321.74	9.25E-08	9.98E-08	1.92E-07	8.02E-08	8.83E-08	1.69E-07	9.70E-09	1.43E-08	2.40E-08	8.45E-09	8.81E-09	1.73E-08
3102	567246.7	4217325.03	7.86E-08	8.48E-08	1.63E-07	6.82E-08	7.51E-08	1.43E-07	8.24E-09	1.22E-08	2.04E-08	7.18E-09	7.49E-09	1.47E-08
3103	567237.56	4217326.12	7.46E-08	8.05E-08	1.55E-07	6.47E-08	7.12E-08	1.36E-07	7.82E-09	1.15E-08	1.94E-08	6.81E-09	7.11E-09	1.39E-08
3104	567228.43	4217327.22	7.09E-08	7.65E-08	1.47E-07	6.15E-08	6.77E-08	1.29E-07	7.44E-09	1.10E-08	1.84E-08	6.48E-09	6.76E-09	1.32E-08
3105	567219.29	4217328.32	6.76E-08	7.30E-08	1.41E-07	5.86E-08	6.46E-08	1.23E-07	7.09E-09	1.05E-08	1.76E-08	6.17E-09	6.44E-09	1.26E-08
3106	567210.15	4217329.42	6.46E-08	6.98E-08	1.34E-07	5.61E-08	6.17E-08	1.18E-07	6.78E-09	1.00E-08	1.68E-08	5.90E-09	6.16E-09	1.21E-08
3107	567201.02	4217330.51	6.2E-08	6.69E-08	1.29E-07	5.38E-08	5.92E-08	1.13E-07	6.50E-09	9.60E-09	1.61E-08	5.66E-09	5.91E-09	1.16E-08
3108	567191.88	4217331.61	5.97E-08	6.45E-08	1.24E-07	5.18E-08	5.71E-08	1.09E-07	6.26E-09	9.24E-09	1.55E-08	5.46E-09	5.69E-09	1.11E-08
3109	567173.61	4217333.81	5.61E-08	6.05E-08	1.17E-07	4.86E-08	5.36E-08	1.02E-07	5.88E-09	8.68E-09	1.46E-08	5.12E-09	5.34E-09	1.05E-08
3110	567164.47	4217334.9	5.46E-08	5.90E-08	1.14E-07	4.74E-08	5.22E-08	9.96E-08	5.73E-09	8.46E-09	1.42E-08	4.99E-09	5.21E-09	1.02E-08
3111	567155.34	4217336	5.34E-08	5.77E-08	1.11E-07	4.64E-08	5.10E-08	9.74E-08	5.60E-09	8.27E-09	1.39E-08	4.88E-09	5.09E-09	9.97E-09
3112	567146.2	4217337.1	5.24E-08	5.66E-08	1.09E-07	4.55E-08	5.01E-08	9.56E-08	5.50E-09	8.12E-09	1.36E-08	4.79E-09	5.00E-09	9.79E-09
3113	567137.06	4217338.19	5.16E-08	5.57E-08	1.07E-07	4.48E-08	4.93E-08	9.41E-08	5.42E-09	7.99E-09	1.34E-08	4.72E-09	4.92E-09	9.64E-09
3114	567127.93	4217339.29	5.1E-08	5.50E-08	1.06E-07	4.42E-08	4.87E-08	9.29E-08	5.35E-09	7.89E-09	1.32E-08	4.66E-09	4.86E-09	9.52E-09
3115	567118.79	4217340.39	5.05E-08	5.45E-08	1.05E-07	4.38E-08	4.82E-08	9.20E-08	5.29E-09	7.81E-09	1.31E-08	4.61E-09	4.81E-09	9.42E-09
3116	567100.52	4217342.58	4.97E-08	5.37E-08	1.03E-07	4.31E-08	4.75E-08	9.06E-08	5.21E-09	7.69E-09	1.29E-08	4.54E-09	4.74E-09	9.28E-09
3117	567091.38	4217343.68	4.94E-08	5.34E-08	1.03E-07	4.29E-08	4.72E-08	9.01E-08	5.19E-09	7.65E-09	1.28E-08	4.52E-09	4.71E-09	9.23E-09
3118	567082.25	4217344.78	4.92E-08	5.31E-08	1.02E-07	4.27E-08	4.70E-08	8.97E-08	5.16E-09	7.62E-09	1.28E-08	4.50E-09	4.69E-09	9.19E-09
3119	567073.11	4217345.87	4.9E-08	5.29E-08	1.02E-07	4.25E-08	4.68E-08	8.94E-08	5.14E-09	7.59E-09	1.27E-08	4.48E-09	4.67E-09	9.15E-09
3120	567398.75	4217198.68	3.38E-07	3.65E-07	7.04E-07	2.94E-07	3.23E-07	6.17E-07	3.55E-08	5.24E-08	8.79E-08	3.09E-08	3.23E-08	6.32E-08
3121	567393.11	4217205.88	3.28E-07	3.54E-07	6.81E-07	2.84E-07	3.13E-07	5.97E-07	3.44E-08	5.07E-08	8.51E-08	2.99E-08	3.12E-08	6.12E-08
3122	567381.84	4217220.27	3.02E-07	3.26E-07	6.29E-07	2.62E-07	2.89E-07	5.51E-07	3.17E-08	4.68E-08	7.85E-08	2.76E-08	2.88E-08	5.64E-08
3123	567370.56	4217234.67	2.73E-07	2.95E-07	5.68E-07	2.37E-07	2.61E-07	4.98E-07	2.86E-08	4.23E-08	7.09E-08	2.49E-08	2.60E-08	5.10E-08
3124	567364.93	4217241.87	2.58E-07	2.78E-07	5.36E-07	2.23E-07	2.46E-07	4.69E-07	2.70E-08	3.99E-08	6.69E-08	2.35E-08	2.45E-08	4.81E-08
3125	567353.65	4217256.27	2.26E-07	2.44E-07	4.70E-07	1.96E-07	2.16E-07	4.12E-07	2.37E-08	3.50E-08	5.87E-08	2.06E-08	2.15E-08	4.22E-08
3126	567325.47	4217292.26	1.52E-07	1.64E-07	3.16E-07	1.32E-07	1.45E-07	2.77E-07	1.60E-08	2.35E-08	3.95E-08	1.39E-08	1.45E-08	2.84E-08
3127	567319.83	4217299.46	1.39E-07	1.50E-07	2.90E-07	1.21E-07	1.33E-07	2.54E-07	1.46E-08	2.16E-08	3.62E-08	1.27E-08	1.33E-08	2.60E-08
3128	567308.56	4217313.86	1.17E-07	1.26E-07	2.42E-07	1.01E-07	1.11E-07	2.13E-07	1.22E-08	1.80E-08	3.03E-08	1.07E-08	1.11E-08	2.18E-08
3129	567288.21	4217329.34	9.25E-08	9.98E-08	1.92E-07	8.02E-08	8.83E-08	1.69E-07	9.70E-09	1.43E-08	2.40E-08	8.45E-09	8.81E-09	1.73E-08
3130	567279.13	4217330.43	8.77E-08	9.47E-08	1.82E-07	7.61E-08	8.38E-08	1.60E-07	9.20E-09	1.36E-08	2.28E-08	8.01E-09	8.36E-09	1.64E-08
3131	567270.06	4217331.52	8.32E-08	8.98E-08	1.73E-07	7.22E-08	7.95E-08	1.52E-07	8.72E-09	1.29E-08	2.16E-08	7.60E-09	7.93E-09	1.55E-08
3132	567251.9	4217333.71	7.49E-08	8.08E-08	1.56E-07	6.49E-08	7.15E-08	1.36E-07	7.85E-09	1.16E-08	1.94E-08	6.84E-09	7.13E-09	1.40E-08
3133	567242.82	4217334.8	7.11E-08	7.68E-08	1.48E-07	6.17E-08	6.79E-08	1.30E-07	7.46E-09	1.10E-08	1.85E-08	6.50E-09	6.78E-09	1.33E-08
3134	567233.74	4217335.89	6.77E-08	7.31E-08	1.41E-07	5.88E-08	6.47E-08	1.23E-07	7.10E-09	1.05E-08	1.76E-08	6.19E-09	6.45E-09	1.26E-08
3135	567224.67	4217336.98	6.46E-08	6.98E-08	1.34E-07	5.61E-08	6.17E-08	1.18E-07	6.78E-09	1.00E-08	1.68E-08	5.90E-09	6.16E-09	1.21E-08
3136	567215.59	4217338.07	6.18E-08	6.68E-08	1.29E-07	5.37E-08	5.91E-08	1.13E-07	6.49E-09	9.57E-09	1.61E-08	5.65E-09	5.89E-09	1.15E-08
3137	567206.51	4217339.16	5.94E-08	6.41E-08	1.23E-07	5.15E-08	5.67E-08	1.08E-07	6.23E-09	9.19E-09	1.54E-08	5.42E-09	5.66E-09	1.11E-08
3138	567197.43	4217340.25	5.72E-08	6.18E-08	1.19E-07	4.96E-08	5.47E-08	1.04E-07	6.00E-09	8.86E-09	1.49E-08	5.23E-09	5.45E-09	1.07E-08
3139	567179.28	4217342.43	5.37E-08	5.80E-08	1.12E-07	4.66E-08	5.13E-08	9.80E-08	5.64E-09	8.32E-09	1.40E-08	4.91E-09	5.12E-09	1.00E-08
3140	567170.2	4217343.52	5.24E-08	5.65E-08	1.09E-07	4.54E-08	5.00E-08	9.55E-08	5.49E-09	8.11E-09	1.36E-08	4.78E-09	4.99E-09	9.78E-09
3141	567161.12	4217344.61	5.12E-08	5.53E-08	1.07E-07	4.44E-08	4.89E-08	9.34E-08	5.37E-09	7.93E-09	1.33E-08	4.68E-09	4.88E-09	9.56E-09
3142	567152.05	4217345.7	5.03E-08	5.43E-08	1.05E-07	4.36E-08	4.80E-08	9.16E-08	5.27E-09	7.78E-09	1.31E-08	4.59E-09	4.79E-09	9.38E-09
3143	567142.97	4217346.79	4.95E-08	5.34E-08	1.03E-07	4.29E-08	4.73E-08	9.02E-08	5.19E-09	7.66E-09	1.28E-08	4.52E-09	4.72E-09	9.24E-09
3144	567133.89	4217347.88	4.88E-08	5.27E-08	1.02E-07	4.24E-08	4.67E-08	8.90E-08	5.12E-09	7.56E-09	1.27E-08	4.46E-09	4.66E-09	9.12E-09
3145	567124.81	4217348.97	4.83E-08	5.22E-08	1.00E-07	4.19E-08	4.62E-08	8.81E-08	5.07E-09	7.48E-09	1.26E-08	4.41E-09	4.61E-09	9.02E-09
3146	567115.74	4217350.06	4.79E-08	5.17E-08	9.96E-08	4.16E-08	4.58E-08	8.73E-08	5.03E-09	7.42E-09	1.24E-08	4.38E-09	4.57E-09	8.94E-09
3147	567097.58	4217352.24	4.73E-08	5.11E-08	9.84E-08	4.11E-08	4.52E-08	8.63E-08	4.96E-09	7.33E-09	1.23E-08	4.32E-09	4.51E-09	8.83E-09
3148	567088.5	4217353.33	4.71E-08	5.09E-08	9.80E-08	4.09E-08	4.50E-08	8.59E-08	4.94E-09	7.29E-09	1.22E-08	4.30E-09	4.49E-09	8.80E-09
3149	567079.42	4217354.42	4.7E-08	5.07E-08	9.76E-08	4.07E-08	4.48E-08	8.56E-08	4.92E-09	7.27E-09	1.22E-08	4.29E-09	4.48E-09	8.76E-09
3150	567070.35	4217355.51	4.68E-08	5.05E-08	9.73E-08	4.06E-08	4.47E-08	8.53E-08	4.91E-09	7.24E-09	1.22E-08	4.27E-09	4.46E-09	8.73E-09

			T2		T3		T4I		T4f	
			18	567182.66						
			3.34E-02	3.60E-02	2.90E-02	3.19E-02	3.50E-03	5.17E-03	3.05E-03	3.18E-03
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	567145.96	4217064.54	1.52E-02	1.64E-02	1.32E-02	1.45E-02	1.59E-03	2.35E-03	1.39E-03	1.45E-03
2	567143.55	4217074.25	1.03E-02	1.12E-02	8.98E-03	9.88E-03	1.09E-03	1.60E-03	9.45E-04	9.86E-04
3	567141.15	4217083.96	7.41E-03	7.99E-03	6.43E-03	7.07E-03	7.77E-04	1.15E-03	6.77E-04	7.06E-04
4	567133.93	4217113.08	3.22E-03	3.48E-03	2.80E-03	3.08E-03	3.38E-04	4.99E-04	2.94E-04	3.07E-04
5	567131.52	4217122.78	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
6	567129.11	4217132.49	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04
7	567126.71	4217142.19	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.62E-04	1.55E-04	1.61E-04
8	567124.3	4217151.9	1.42E-03	1.53E-03	1.23E-03	1.35E-03	1.49E-04	2.19E-04	1.29E-04	1.35E-04
9	567121.89	4217161.61	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.87E-04	1.10E-04	1.15E-04
10	567119.49	4217171.31	1.04E-03	1.12E-03	9.02E-04	9.93E-04	1.09E-04	1.61E-04	9.50E-05	9.91E-05
11	567117.08	4217181.02	9.09E-04	9.81E-04	7.89E-04	8.69E-04	9.54E-05	1.41E-04	8.31E-05	8.67E-05
12	567114.67	4217190.72	8.04E-04	8.68E-04	6.98E-04	7.68E-04	8.44E-05	1.25E-04	7.35E-05	7.67E-05
13	567102.64	4217239.25	4.95E-04	5.34E-04	4.29E-04	4.72E-04	5.19E-05	7.66E-05	4.52E-05	4.71E-05
14	567100.23	4217248.96	4.58E-04	4.94E-04	3.97E-04	4.37E-04	4.80E-05	7.08E-05	4.18E-05	4.36E-05
15	567097.83	4217258.67	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
16	567095.42	4217268.37	3.97E-04	4.28E-04	3.44E-04	3.79E-04	4.16E-05	6.14E-05	3.62E-05	3.78E-05
17	567178.64	4216983.73	3.30E-02	3.57E-02	2.87E-02	3.16E-02	3.46E-03	5.11E-03	3.02E-03	3.15E-03
18	567182.66	4216974.43	3.34E-02	3.60E-02	2.90E-02	3.19E-02	3.50E-03	5.17E-03	3.05E-03	3.18E-03
19	567187.53	4216987.36	2.64E-02	2.85E-02	2.29E-02	2.52E-02	2.77E-03	4.08E-03	2.41E-03	2.51E-03
20	567176.43	4216996.07	3.08E-02	3.33E-02	2.68E-02	2.95E-02	3.24E-03	4.77E-03	2.82E-03	2.94E-03
21	567192.3	4216977.06	2.64E-02	2.85E-02	2.29E-02	2.53E-02	2.77E-03	4.09E-03	2.42E-03	2.52E-03
22	567196.79	4216990.49	2.18E-02	2.35E-02	1.89E-02	2.08E-02	2.28E-03	3.37E-03	1.99E-03	2.07E-03
23	567189.91	4216999.48	2.28E-02	2.46E-02	1.98E-02	2.18E-02	2.39E-03	3.53E-03	2.08E-03	2.17E-03
24	567180.87	4217004.78	2.59E-02	2.80E-02	2.25E-02	2.47E-02	2.72E-03	4.01E-03	2.37E-03	2.47E-03
25	567169.67	4217006.41	3.30E-02	3.57E-02	2.87E-02	3.15E-02	3.46E-03	5.11E-03	3.02E-03	3.15E-03
26	567201.95	4216979.69	2.17E-02	2.34E-02	1.88E-02	2.07E-02	2.28E-03	3.36E-03	1.98E-03	2.07E-03
27	567206.21	4216993.42	1.84E-02	1.98E-02	1.59E-02	1.75E-02	1.93E-03	2.84E-03	1.68E-03	1.75E-03
28	567198.87	4217003.01	1.91E-02	2.07E-02	1.66E-02	1.83E-02	2.01E-03	2.96E-03	1.75E-03	1.83E-03
29	567185.56	4217013.46	2.20E-02	2.37E-02	1.91E-02	2.10E-02	2.30E-03	3.40E-03	2.01E-03	2.09E-03
30	567173.61	4217015.19	2.75E-02	2.97E-02	2.39E-02	2.63E-02	2.88E-03	4.26E-03	2.51E-03	2.62E-03
31	567211.6	4216982.32	1.83E-02	1.97E-02	1.58E-02	1.74E-02	1.92E-03	2.83E-03	1.67E-03	1.74E-03
32	567215.71	4216996.25	1.58E-02	1.70E-02	1.37E-02	1.50E-02	1.65E-03	2.44E-03	1.44E-03	1.50E-03
33	567208.06	4217006.24	1.64E-02	1.77E-02	1.42E-02	1.57E-02	1.72E-03	2.54E-03	1.50E-03	1.56E-03
34	567200.42	4217016.23	1.70E-02	1.83E-02	1.47E-02	1.62E-02	1.78E-03	2.63E-03	1.55E-03	1.62E-03
35	567190.37	4217022.12	1.88E-02	2.03E-02	1.63E-02	1.80E-02	1.97E-03	2.91E-03	1.72E-03	1.79E-03
36	567177.93	4217023.93	2.30E-02	2.48E-02	1.99E-02	2.19E-02	2.41E-03	3.55E-03	2.10E-03	2.19E-03
37	567165.48	4217025.73	2.97E-02	3.20E-02	2.57E-02	2.83E-02	3.11E-03	4.59E-03	2.71E-03	2.83E-03
38	567221.25	4216984.95	1.56E-02	1.69E-02	1.35E-02	1.49E-02	1.64E-03	2.42E-03	1.43E-03	1.49E-03
39	567225.24	4216999.03	1.37E-02	1.48E-02	1.19E-02	1.31E-02	1.44E-03	2.12E-03	1.25E-03	1.31E-03
40	567217.38	4217009.3	1.42E-02	1.54E-02	1.24E-02	1.36E-02	1.49E-03	2.20E-03	1.30E-03	1.36E-03
41	567209.52	4217019.57	1.47E-02	1.58E-02	1.27E-02	1.40E-02	1.54E-03	2.27E-03	1.34E-03	1.40E-03
42	567195.26	4217030.77	1.62E-02	1.75E-02	1.41E-02	1.55E-02	1.70E-03	2.51E-03	1.48E-03	1.54E-03
43	567182.45	4217032.63	1.93E-02	2.08E-02	1.68E-02	1.84E-02	2.03E-03	2.99E-03	1.76E-03	1.84E-03
44	567169.65	4217034.48	2.40E-02	2.59E-02	2.08E-02	2.29E-02	2.52E-03	3.71E-03	2.19E-03	2.29E-03
45	567230.89	4216987.59	1.35E-02	1.46E-02	1.17E-02	1.29E-02	1.42E-03	2.09E-03	1.23E-03	1.29E-03
46	567235.26	4217001.18	1.20E-02	1.29E-02	1.04E-02	1.15E-02	1.26E-03	1.86E-03	1.10E-03	1.14E-03
47	567228.12	4217010.51	1.24E-02	1.34E-02	1.08E-02	1.19E-02	1.31E-03	1.93E-03	1.14E-03	1.19E-03
48	567220.99	4217019.83	1.28E-02	1.38E-02	1.11E-02	1.22E-02	1.34E-03	1.98E-03	1.17E-03	1.22E-03
49	567213.85	4217029.15	1.30E-02	1.40E-02	1.13E-02	1.24E-02	1.36E-03	2.01E-03	1.19E-03	1.24E-03
50	567200.91	4217039.31	1.39E-02	1.50E-02	1.21E-02	1.33E-02	1.46E-03	2.16E-03	1.27E-03	1.33E-03

51	567189.29	4217041	1.59E-02	1.71E-02	1.38E-02	1.52E-02	1.67E-03	2.46E-03	1.45E-03	1.51E-03
52	567177.68	4217042.68	1.85E-02	1.99E-02	1.60E-02	1.76E-02	1.94E-03	2.86E-03	1.69E-03	1.76E-03
53	567166.06	4217044.36	2.21E-02	2.39E-02	1.92E-02	2.11E-02	2.32E-03	3.42E-03	2.02E-03	2.11E-03
54	567240.54	4216990.22	1.18E-02	1.27E-02	1.02E-02	1.13E-02	1.24E-03	1.82E-03	1.08E-03	1.12E-03
55	567244.8	4217003.95	1.06E-02	1.15E-02	9.22E-03	1.01E-02	1.11E-03	1.64E-03	9.71E-04	1.01E-03
56	567237.46	4217013.54	1.10E-02	1.19E-02	9.58E-03	1.05E-02	1.16E-03	1.71E-03	1.01E-03	1.05E-03
57	567230.13	4217023.13	1.13E-02	1.22E-02	9.84E-03	1.08E-02	1.19E-03	1.76E-03	1.04E-03	1.08E-03
58	567222.79	4217032.71	1.15E-02	1.24E-02	9.99E-03	1.10E-02	1.21E-03	1.78E-03	1.05E-03	1.10E-03
59	567215.45	4217042.3	1.16E-02	1.25E-02	1.00E-02	1.10E-02	1.21E-03	1.79E-03	1.06E-03	1.10E-03
60	567205.81	4217047.96	1.21E-02	1.31E-02	1.05E-02	1.16E-02	1.27E-03	1.88E-03	1.11E-03	1.16E-03
61	567193.86	4217049.69	1.36E-02	1.46E-02	1.18E-02	1.30E-02	1.42E-03	2.10E-03	1.24E-03	1.29E-03
62	567181.91	4217051.42	1.53E-02	1.65E-02	1.33E-02	1.46E-02	1.60E-03	2.37E-03	1.40E-03	1.46E-03
63	567169.96	4217053.15	1.75E-02	1.88E-02	1.51E-02	1.67E-02	1.83E-03	2.70E-03	1.59E-03	1.66E-03
64	567158.01	4217054.88	2.01E-02	2.17E-02	1.75E-02	1.92E-02	2.11E-03	3.12E-03	1.84E-03	1.92E-03
65	567250.19	4216992.85	1.04E-02	1.12E-02	9.00E-03	9.91E-03	1.09E-03	1.61E-03	9.48E-04	9.89E-04
66	567254.36	4217006.69	9.47E-03	1.02E-02	8.21E-03	9.04E-03	9.93E-04	1.47E-03	8.65E-04	9.02E-04
67	567246.86	4217016.5	9.86E-03	1.06E-02	8.55E-03	9.41E-03	1.03E-03	1.53E-03	9.00E-04	9.39E-04
68	567239.36	4217026.3	1.01E-02	1.09E-02	8.79E-03	9.68E-03	1.06E-03	1.57E-03	9.26E-04	9.66E-04
69	567231.85	4217036.11	1.03E-02	1.11E-02	8.92E-03	9.82E-03	1.08E-03	1.59E-03	9.39E-04	9.80E-04
70	567224.35	4217045.91	1.03E-02	1.11E-02	8.93E-03	9.83E-03	1.08E-03	1.59E-03	9.40E-04	9.81E-04
71	567210.73	4217056.61	1.06E-02	1.14E-02	9.19E-03	1.01E-02	1.11E-03	1.64E-03	9.67E-04	1.01E-03
72	567198.51	4217058.38	1.16E-02	1.25E-02	1.01E-02	1.11E-02	1.22E-03	1.80E-03	1.06E-03	1.11E-03
73	567186.29	4217060.14	1.27E-02	1.37E-02	1.10E-02	1.22E-02	1.33E-03	1.97E-03	1.16E-03	1.21E-03
74	567174.07	4217061.91	1.39E-02	1.50E-02	1.20E-02	1.33E-02	1.46E-03	2.15E-03	1.27E-03	1.32E-03
75	567161.85	4217063.68	1.49E-02	1.61E-02	1.29E-02	1.42E-02	1.56E-03	2.31E-03	1.36E-03	1.42E-03
76	567259.84	4216995.48	9.19E-03	9.92E-03	7.97E-03	8.78E-03	9.64E-04	1.42E-03	8.39E-04	8.76E-04
77	567263.94	4217009.41	8.47E-03	9.15E-03	7.35E-03	8.09E-03	8.89E-04	1.31E-03	7.74E-04	8.08E-04
78	567256.3	4217019.4	8.84E-03	9.55E-03	7.67E-03	8.45E-03	9.28E-04	1.37E-03	8.08E-04	8.43E-04
79	567248.66	4217029.39	9.10E-03	9.83E-03	7.90E-03	8.70E-03	9.55E-04	1.41E-03	8.32E-04	8.68E-04
80	567241.01	4217039.38	9.24E-03	9.98E-03	8.02E-03	8.83E-03	9.69E-04	1.43E-03	8.44E-04	8.81E-04
81	567233.37	4217049.36	9.24E-03	9.98E-03	8.02E-03	8.83E-03	9.69E-04	1.43E-03	8.44E-04	8.81E-04
82	567225.73	4217059.35	9.08E-03	9.80E-03	7.88E-03	8.67E-03	9.52E-04	1.41E-03	8.29E-04	8.65E-04
83	567215.68	4217065.25	9.26E-03	1.00E-02	8.04E-03	8.85E-03	9.72E-04	1.43E-03	8.46E-04	8.83E-04
84	567203.23	4217067.05	9.96E-03	1.08E-02	8.64E-03	9.52E-03	1.05E-03	1.54E-03	9.10E-04	9.50E-04
85	567190.79	4217068.85	1.06E-02	1.15E-02	9.23E-03	1.02E-02	1.12E-03	1.65E-03	9.72E-04	1.01E-03
86	567178.34	4217070.65	1.12E-02	1.21E-02	9.73E-03	1.07E-02	1.18E-03	1.74E-03	1.02E-03	1.07E-03
87	567165.89	4217072.46	1.15E-02	1.24E-02	9.95E-03	1.10E-02	1.20E-03	1.78E-03	1.05E-03	1.09E-03
88	567153.45	4217074.26	1.10E-02	1.18E-02	9.51E-03	1.05E-02	1.15E-03	1.70E-03	1.00E-03	1.05E-03
89	567269.48	4216998.11	8.19E-03	8.84E-03	7.11E-03	7.82E-03	8.59E-04	1.27E-03	7.48E-04	7.81E-04
90	567273.53	4217012.12	7.62E-03	8.23E-03	6.61E-03	7.28E-03	7.99E-04	1.18E-03	6.96E-04	7.27E-04
91	567265.77	4217022.26	7.98E-03	8.61E-03	6.92E-03	7.62E-03	8.37E-04	1.23E-03	7.29E-04	7.60E-04
92	567258.01	4217032.4	8.23E-03	8.88E-03	7.14E-03	7.86E-03	8.63E-04	1.27E-03	7.52E-04	7.84E-04
93	567250.25	4217042.54	8.36E-03	9.03E-03	7.26E-03	7.99E-03	8.77E-04	1.29E-03	7.64E-04	7.97E-04
94	567242.49	4217052.69	8.37E-03	9.03E-03	7.26E-03	7.99E-03	8.78E-04	1.30E-03	7.64E-04	7.97E-04
95	567234.73	4217062.83	8.22E-03	8.87E-03	7.13E-03	7.85E-03	8.62E-04	1.27E-03	7.51E-04	7.83E-04
96	567220.65	4217073.88	8.13E-03	8.78E-03	7.06E-03	7.77E-03	8.53E-04	1.26E-03	7.43E-04	7.75E-04
97	567208.01	4217075.71	8.59E-03	9.28E-03	7.46E-03	8.21E-03	9.01E-04	1.33E-03	7.85E-04	8.19E-04
98	567195.37	4217077.55	8.97E-03	9.69E-03	7.79E-03	8.57E-03	9.41E-04	1.39E-03	8.20E-04	8.55E-04
99	567182.73	4217079.38	9.20E-03	9.93E-03	7.98E-03	8.79E-03	9.65E-04	1.42E-03	8.40E-04	8.77E-04
100	567170.09	4217081.21	9.13E-03	9.85E-03	7.92E-03	8.72E-03	9.57E-04	1.41E-03	8.34E-04	8.70E-04
101	567157.45	4217083.04	8.54E-03	9.22E-03	7.41E-03	8.16E-03	8.96E-04	1.32E-03	7.80E-04	8.14E-04
102	567279.13	4217000.75	7.33E-03	7.92E-03	6.36E-03	7.01E-03	7.69E-04	1.14E-03	6.70E-04	6.99E-04
103	567283.13	4217014.82	6.89E-03	7.43E-03	5.97E-03	6.58E-03	7.22E-04	1.07E-03	6.29E-04	6.56E-04
104	567275.27	4217025.09	7.23E-03	7.80E-03	6.27E-03	6.90E-03	7.58E-04	1.12E-03	6.60E-04	6.89E-04

105	567267.41	4217035.36	7.47E-03	8.07E-03	6.48E-03	7.14E-03	7.84E-04	1.16E-03	6.83E-04	7.12E-04
106	567259.54	4217045.64	7.61E-03	8.21E-03	6.60E-03	7.27E-03	7.98E-04	1.18E-03	6.95E-04	7.25E-04
107	567251.68	4217055.91	7.62E-03	8.23E-03	6.61E-03	7.28E-03	7.99E-04	1.18E-03	6.96E-04	7.26E-04
108	567243.82	4217066.18	7.49E-03	8.09E-03	6.50E-03	7.16E-03	7.86E-04	1.16E-03	6.85E-04	7.14E-04
109	567235.96	4217076.46	7.21E-03	7.78E-03	6.25E-03	6.88E-03	7.56E-04	1.12E-03	6.58E-04	6.87E-04
110	567225.63	4217082.52	7.16E-03	7.73E-03	6.22E-03	6.84E-03	7.51E-04	1.11E-03	6.54E-04	6.83E-04
111	567212.82	4217084.37	7.45E-03	8.04E-03	6.46E-03	7.12E-03	7.81E-04	1.15E-03	6.80E-04	7.10E-04
112	567200.02	4217086.23	7.63E-03	8.24E-03	6.62E-03	7.29E-03	8.00E-04	1.18E-03	6.97E-04	7.27E-04
113	567187.22	4217088.08	7.67E-03	8.28E-03	6.65E-03	7.32E-03	8.04E-04	1.19E-03	7.00E-04	7.31E-04
114	567174.42	4217089.94	7.44E-03	8.04E-03	6.46E-03	7.11E-03	7.81E-04	1.15E-03	6.80E-04	7.10E-04
115	567161.61	4217091.79	6.88E-03	7.42E-03	5.97E-03	6.57E-03	7.21E-04	1.06E-03	6.28E-04	6.56E-04
116	567148.81	4217093.65	6.02E-03	6.49E-03	5.22E-03	5.75E-03	6.31E-04	9.31E-04	5.49E-04	5.73E-04
117	567288.78	4217003.38	6.60E-03	7.12E-03	5.73E-03	6.30E-03	6.92E-04	1.02E-03	6.03E-04	6.29E-04
118	567292.98	4217017.18	6.23E-03	6.73E-03	5.41E-03	5.95E-03	6.54E-04	9.65E-04	5.69E-04	5.94E-04
119	567285.53	4217026.92	6.55E-03	7.07E-03	5.68E-03	6.25E-03	6.87E-04	1.01E-03	5.98E-04	6.24E-04
120	567278.08	4217036.66	6.79E-03	7.32E-03	5.89E-03	6.48E-03	7.12E-04	1.05E-03	6.20E-04	6.47E-04
121	567270.62	4217046.4	6.93E-03	7.48E-03	6.01E-03	6.62E-03	7.27E-04	1.07E-03	6.33E-04	6.61E-04
122	567263.17	4217056.13	6.98E-03	7.54E-03	6.06E-03	6.67E-03	7.32E-04	1.08E-03	6.38E-04	6.66E-04
123	567255.72	4217065.87	6.92E-03	7.47E-03	6.00E-03	6.61E-03	7.26E-04	1.07E-03	6.32E-04	6.60E-04
124	567248.27	4217075.61	6.74E-03	7.28E-03	5.85E-03	6.44E-03	7.07E-04	1.04E-03	6.16E-04	6.43E-04
125	567240.82	4217085.35	6.43E-03	6.94E-03	5.58E-03	6.14E-03	6.74E-04	9.95E-04	5.87E-04	6.13E-04
126	567231.02	4217091.1	6.33E-03	6.83E-03	5.49E-03	6.04E-03	6.63E-04	9.79E-04	5.78E-04	6.03E-04
127	567218.89	4217092.85	6.48E-03	7.00E-03	5.63E-03	6.19E-03	6.80E-04	1.00E-03	5.92E-04	6.18E-04
128	567206.75	4217094.61	6.55E-03	7.07E-03	5.68E-03	6.26E-03	6.87E-04	1.01E-03	5.98E-04	6.24E-04
129	567194.61	4217096.37	6.51E-03	7.02E-03	5.65E-03	6.22E-03	6.83E-04	1.01E-03	5.94E-04	6.20E-04
130	567182.48	4217098.13	6.29E-03	6.79E-03	5.46E-03	6.01E-03	6.60E-04	9.74E-04	5.75E-04	6.00E-04
131	567170.34	4217099.88	5.87E-03	6.34E-03	5.10E-03	5.61E-03	6.16E-04	9.09E-04	5.37E-04	5.60E-04
132	567298.43	4217006.01	5.96E-03	6.43E-03	5.17E-03	5.69E-03	6.25E-04	9.23E-04	5.44E-04	5.68E-04
133	567302.58	4217019.88	5.67E-03	6.12E-03	4.92E-03	5.42E-03	5.95E-04	8.78E-04	5.18E-04	5.40E-04
134	567295.02	4217029.75	5.98E-03	6.45E-03	5.19E-03	5.71E-03	6.27E-04	9.25E-04	5.46E-04	5.70E-04
135	567287.47	4217039.62	6.21E-03	6.70E-03	5.39E-03	5.93E-03	6.51E-04	9.61E-04	5.67E-04	5.92E-04
136	567279.92	4217049.49	6.36E-03	6.86E-03	5.52E-03	6.07E-03	6.67E-04	9.84E-04	5.81E-04	6.06E-04
137	567272.36	4217059.36	6.41E-03	6.92E-03	5.56E-03	6.12E-03	6.73E-04	9.92E-04	5.86E-04	6.11E-04
138	567264.81	4217069.23	6.36E-03	6.87E-03	5.52E-03	6.08E-03	6.68E-04	9.85E-04	5.81E-04	6.07E-04
139	567257.26	4217079.1	6.21E-03	6.70E-03	5.39E-03	5.93E-03	6.51E-04	9.61E-04	5.67E-04	5.92E-04
140	567249.7	4217088.97	5.94E-03	6.41E-03	5.15E-03	5.67E-03	6.23E-04	9.20E-04	5.43E-04	5.66E-04
141	567236	4217099.73	5.61E-03	6.06E-03	4.87E-03	5.36E-03	5.89E-04	8.69E-04	5.13E-04	5.35E-04
142	567223.7	4217101.51	5.69E-03	6.15E-03	4.94E-03	5.44E-03	5.97E-04	8.81E-04	5.20E-04	5.43E-04
143	567211.4	4217103.3	5.69E-03	6.14E-03	4.93E-03	5.43E-03	5.96E-04	8.80E-04	5.19E-04	5.42E-04
144	567199.1	4217105.08	5.58E-03	6.02E-03	4.84E-03	5.33E-03	5.85E-04	8.63E-04	5.09E-04	5.32E-04
145	567149.9	4217112.2	3.83E-03	4.13E-03	3.32E-03	3.66E-03	4.01E-04	5.92E-04	3.50E-04	3.65E-04
146	567308.07	4217008.64	5.41E-03	5.84E-03	4.69E-03	5.16E-03	5.67E-04	8.37E-04	4.94E-04	5.15E-04
147	567312.18	4217022.57	5.18E-03	5.59E-03	4.49E-03	4.94E-03	5.43E-04	8.01E-04	4.73E-04	4.93E-04
148	567304.54	4217032.56	5.47E-03	5.90E-03	4.75E-03	5.22E-03	5.74E-04	8.47E-04	5.00E-04	5.21E-04
149	567296.89	4217042.55	5.70E-03	6.15E-03	4.94E-03	5.44E-03	5.98E-04	8.82E-04	5.20E-04	5.43E-04
150	567289.25	4217052.53	5.85E-03	6.31E-03	5.07E-03	5.58E-03	6.13E-04	9.05E-04	5.34E-04	5.57E-04
151	567281.61	4217062.52	5.91E-03	6.38E-03	5.13E-03	5.64E-03	6.20E-04	9.14E-04	5.40E-04	5.63E-04
152	567273.96	4217072.51	5.88E-03	6.34E-03	5.10E-03	5.61E-03	6.16E-04	9.10E-04	5.37E-04	5.60E-04
153	567266.32	4217082.5	5.75E-03	6.20E-03	4.99E-03	5.49E-03	6.03E-04	8.89E-04	5.25E-04	5.48E-04
154	567258.68	4217092.49	5.51E-03	5.95E-03	4.78E-03	5.27E-03	5.78E-04	8.53E-04	5.04E-04	5.25E-04
155	567251.03	4217102.47	5.17E-03	5.58E-03	4.49E-03	4.94E-03	5.43E-04	8.01E-04	4.72E-04	4.93E-04
156	567240.99	4217108.37	5.00E-03	5.40E-03	4.34E-03	4.78E-03	5.25E-04	7.74E-04	4.57E-04	4.77E-04
157	567228.54	4217110.17	5.03E-03	5.43E-03	4.36E-03	4.80E-03	5.27E-04	7.78E-04	4.59E-04	4.79E-04
158	567216.09	4217111.97	4.97E-03	5.37E-03	4.31E-03	4.75E-03	5.21E-04	7.69E-04	4.54E-04	4.74E-04

159	567166.31	4217119.18	3.74E-03	4.04E-03	3.24E-03	3.57E-03	3.92E-04	5.79E-04	3.42E-04	3.56E-04
160	567153.86	4217120.99	3.26E-03	3.52E-03	2.83E-03	3.11E-03	3.42E-04	5.04E-04	2.98E-04	3.10E-04
161	567141.41	4217122.79	2.80E-03	3.02E-03	2.43E-03	2.67E-03	2.94E-04	4.33E-04	2.56E-04	2.67E-04
162	567317.72	4217011.27	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.62E-04	4.50E-04	4.69E-04
163	567321.79	4217025.26	4.74E-03	5.12E-03	4.11E-03	4.53E-03	4.97E-04	7.34E-04	4.33E-04	4.52E-04
164	567314.06	4217035.35	5.02E-03	5.42E-03	4.36E-03	4.79E-03	5.27E-04	7.77E-04	4.59E-04	4.78E-04
165	567306.34	4217045.44	5.24E-03	5.66E-03	4.55E-03	5.00E-03	5.49E-04	8.11E-04	4.79E-04	4.99E-04
166	567298.62	4217055.53	5.39E-03	5.82E-03	4.68E-03	5.15E-03	5.65E-04	8.34E-04	4.92E-04	5.14E-04
167	567290.89	4217065.63	5.46E-03	5.89E-03	4.74E-03	5.21E-03	5.73E-04	8.45E-04	4.99E-04	5.20E-04
168	567283.17	4217075.72	5.44E-03	5.88E-03	4.72E-03	5.20E-03	5.71E-04	8.42E-04	4.97E-04	5.19E-04
169	567275.44	4217085.81	5.34E-03	5.76E-03	4.63E-03	5.10E-03	5.60E-04	8.26E-04	4.87E-04	5.09E-04
170	567267.72	4217095.91	5.13E-03	5.54E-03	4.46E-03	4.90E-03	5.39E-04	7.95E-04	4.69E-04	4.89E-04
171	567260	4217106	4.84E-03	5.22E-03	4.20E-03	4.62E-03	5.07E-04	7.49E-04	4.42E-04	4.61E-04
172	567245.98	4217117	4.47E-03	4.83E-03	3.88E-03	4.27E-03	4.69E-04	6.92E-04	4.09E-04	4.26E-04
173	567233.41	4217118.82	4.46E-03	4.81E-03	3.87E-03	4.26E-03	4.67E-04	6.90E-04	4.07E-04	4.25E-04
174	567195.67	4217124.29	3.94E-03	4.25E-03	3.42E-03	3.76E-03	4.13E-04	6.10E-04	3.60E-04	3.76E-04
175	567170.52	4217127.93	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.37E-04	4.98E-04	2.94E-04	3.07E-04
176	567157.94	4217129.75	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
177	567145.36	4217131.58	2.42E-03	2.62E-03	2.10E-03	2.31E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
178	567327.37	4217013.9	4.50E-03	4.85E-03	3.90E-03	4.30E-03	4.72E-04	6.96E-04	4.11E-04	4.29E-04
179	567331.4	4217027.93	4.35E-03	4.70E-03	3.78E-03	4.16E-03	4.57E-04	6.74E-04	3.98E-04	4.15E-04
180	567323.6	4217038.12	4.62E-03	4.99E-03	4.01E-03	4.41E-03	4.84E-04	7.15E-04	4.22E-04	4.40E-04
181	567315.81	4217048.31	4.83E-03	5.21E-03	4.19E-03	4.61E-03	5.07E-04	7.48E-04	4.41E-04	4.60E-04
182	567308.01	4217058.5	4.98E-03	5.37E-03	4.32E-03	4.76E-03	5.22E-04	7.71E-04	4.55E-04	4.75E-04
183	567300.21	4217068.68	5.06E-03	5.46E-03	4.39E-03	4.83E-03	5.30E-04	7.83E-04	4.62E-04	4.82E-04
184	567292.42	4217078.87	5.06E-03	5.46E-03	4.39E-03	4.83E-03	5.30E-04	7.82E-04	4.62E-04	4.82E-04
185	567284.62	4217089.06	4.97E-03	5.36E-03	4.31E-03	4.75E-03	5.21E-04	7.69E-04	4.54E-04	4.74E-04
186	567276.83	4217099.25	4.80E-03	5.18E-03	4.16E-03	4.58E-03	5.03E-04	7.43E-04	4.38E-04	4.57E-04
187	567212.9	4217131.15	3.68E-03	3.97E-03	3.19E-03	3.52E-03	3.86E-04	5.70E-04	3.36E-04	3.51E-04
188	567200.2	4217132.99	3.44E-03	3.71E-03	2.98E-03	3.28E-03	3.61E-04	5.32E-04	3.14E-04	3.28E-04
189	567174.81	4217136.67	2.80E-03	3.02E-03	2.43E-03	2.67E-03	2.93E-04	4.33E-04	2.55E-04	2.67E-04
190	567162.12	4217138.51	2.45E-03	2.64E-03	2.12E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.33E-04
191	567149.42	4217140.35	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.28E-04	1.94E-04	2.02E-04
192	567136.72	4217142.18	1.84E-03	1.98E-03	1.59E-03	1.76E-03	1.93E-04	2.84E-04	1.68E-04	1.75E-04
193	567337.02	4217016.54	4.12E-03	4.45E-03	3.58E-03	3.94E-03	4.32E-04	6.38E-04	3.77E-04	3.93E-04
194	567341.01	4217030.61	4.01E-03	4.32E-03	3.48E-03	3.83E-03	4.20E-04	6.20E-04	3.66E-04	3.82E-04
195	567333.15	4217040.88	4.26E-03	4.60E-03	3.69E-03	4.07E-03	4.47E-04	6.59E-04	3.89E-04	4.06E-04
196	567325.29	4217051.16	4.46E-03	4.82E-03	3.87E-03	4.26E-03	4.68E-04	6.91E-04	4.08E-04	4.25E-04
197	567317.43	4217061.43	4.61E-03	4.98E-03	4.00E-03	4.40E-03	4.84E-04	7.14E-04	4.21E-04	4.40E-04
198	567309.57	4217071.7	4.70E-03	5.07E-03	4.07E-03	4.48E-03	4.92E-04	7.27E-04	4.29E-04	4.48E-04
199	567301.7	4217081.97	4.71E-03	5.08E-03	4.08E-03	4.50E-03	4.94E-04	7.28E-04	4.30E-04	4.49E-04
200	567293.84	4217092.25	4.64E-03	5.01E-03	4.03E-03	4.43E-03	4.87E-04	7.18E-04	4.24E-04	4.42E-04
201	567285.98	4217102.52	4.50E-03	4.85E-03	3.90E-03	4.29E-03	4.72E-04	6.96E-04	4.11E-04	4.28E-04
202	567278.12	4217112.79	4.27E-03	4.61E-03	3.71E-03	4.08E-03	4.48E-04	6.61E-04	3.90E-04	4.07E-04
203	567243.19	4217136.12	3.55E-03	3.83E-03	3.08E-03	3.39E-03	3.72E-04	5.49E-04	3.24E-04	3.38E-04
204	567230.39	4217137.98	3.43E-03	3.70E-03	2.97E-03	3.27E-03	3.59E-04	5.31E-04	3.13E-04	3.27E-04
205	567217.59	4217139.83	3.25E-03	3.51E-03	2.82E-03	3.11E-03	3.41E-04	5.03E-04	2.97E-04	3.10E-04
206	567204.78	4217141.68	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
207	567166.38	4217147.25	2.15E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.34E-04	1.97E-04	2.05E-04
208	567153.57	4217149.1	1.87E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
209	567140.77	4217150.96	1.63E-03	1.76E-03	1.42E-03	1.56E-03	1.71E-04	2.53E-04	1.49E-04	1.56E-04
210	567346.66	4217019.17	3.79E-03	4.09E-03	3.29E-03	3.62E-03	3.98E-04	5.87E-04	3.46E-04	3.61E-04
211	567350.63	4217033.28	3.70E-03	3.99E-03	3.21E-03	3.53E-03	3.88E-04	5.72E-04	3.38E-04	3.52E-04
212	567342.71	4217043.63	3.93E-03	4.25E-03	3.41E-03	3.76E-03	4.13E-04	6.09E-04	3.59E-04	3.75E-04

213	567334.79	4217053.98	4.13E-03	4.46E-03	3.58E-03	3.95E-03	4.33E-04	6.39E-04	3.77E-04	3.94E-04
214	567326.87	4217064.33	4.28E-03	4.62E-03	3.71E-03	4.09E-03	4.49E-04	6.62E-04	3.91E-04	4.08E-04
215	567318.95	4217074.68	4.37E-03	4.72E-03	3.79E-03	4.17E-03	4.58E-04	6.76E-04	3.99E-04	4.16E-04
216	567311.02	4217085.03	4.39E-03	4.74E-03	3.81E-03	4.19E-03	4.61E-04	6.80E-04	4.01E-04	4.19E-04
217	567303.1	4217095.39	4.34E-03	4.69E-03	3.77E-03	4.15E-03	4.55E-04	6.72E-04	3.97E-04	4.14E-04
218	567295.18	4217105.74	4.22E-03	4.56E-03	3.66E-03	4.03E-03	4.43E-04	6.53E-04	3.85E-04	4.02E-04
219	567287.26	4217116.09	4.03E-03	4.35E-03	3.49E-03	3.85E-03	4.22E-04	6.23E-04	3.68E-04	3.84E-04
220	567279.34	4217126.44	3.77E-03	4.07E-03	3.27E-03	3.60E-03	3.95E-04	5.83E-04	3.44E-04	3.59E-04
221	567248.11	4217144.77	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
222	567235.21	4217146.64	3.06E-03	3.30E-03	2.66E-03	2.92E-03	3.21E-04	4.74E-04	2.80E-04	2.92E-04
223	567222.31	4217148.5	2.89E-03	3.12E-03	2.51E-03	2.76E-03	3.03E-04	4.47E-04	2.64E-04	2.75E-04
224	567209.41	4217150.37	2.68E-03	2.89E-03	2.32E-03	2.56E-03	2.81E-04	4.14E-04	2.45E-04	2.55E-04
225	567196.51	4217152.24	2.43E-03	2.63E-03	2.11E-03	2.32E-03	2.55E-04	3.77E-04	2.22E-04	2.32E-04
226	567170.71	4217155.98	1.91E-03	2.06E-03	1.66E-03	1.83E-03	2.00E-04	2.96E-04	1.75E-04	1.82E-04
227	567157.81	4217157.84	1.67E-03	1.80E-03	1.45E-03	1.60E-03	1.75E-04	2.59E-04	1.53E-04	1.59E-04
228	567144.91	4217159.71	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
229	567132.01	4217161.58	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
230	567356.31	4217021.8	3.49E-03	3.77E-03	3.03E-03	3.34E-03	3.66E-04	5.41E-04	3.19E-04	3.33E-04
231	567360.42	4217035.73	3.41E-03	3.68E-03	2.96E-03	3.26E-03	3.58E-04	5.28E-04	3.12E-04	3.25E-04
232	567352.77	4217045.72	3.63E-03	3.92E-03	3.15E-03	3.47E-03	3.81E-04	5.62E-04	3.31E-04	3.46E-04
233	567345.13	4217055.71	3.81E-03	4.12E-03	3.31E-03	3.64E-03	4.00E-04	5.90E-04	3.48E-04	3.63E-04
234	567337.49	4217065.69	3.96E-03	4.28E-03	3.44E-03	3.78E-03	4.15E-04	6.13E-04	3.62E-04	3.78E-04
235	567329.84	4217075.68	4.06E-03	4.38E-03	3.52E-03	3.88E-03	4.26E-04	6.28E-04	3.71E-04	3.87E-04
236	567322.2	4217085.67	4.10E-03	4.43E-03	3.56E-03	3.92E-03	4.30E-04	6.35E-04	3.75E-04	3.91E-04
237	567314.56	4217095.66	4.09E-03	4.41E-03	3.54E-03	3.90E-03	4.29E-04	6.32E-04	3.73E-04	3.89E-04
238	567306.91	4217105.64	4.01E-03	4.33E-03	3.48E-03	3.83E-03	4.20E-04	6.20E-04	3.66E-04	3.82E-04
239	567299.27	4217115.63	3.87E-03	4.18E-03	3.36E-03	3.70E-03	4.06E-04	5.99E-04	3.53E-04	3.69E-04
240	567291.63	4217125.62	3.67E-03	3.96E-03	3.19E-03	3.51E-03	3.85E-04	5.68E-04	3.35E-04	3.50E-04
241	567276.34	4217145.6	3.14E-03	3.39E-03	2.72E-03	3.00E-03	3.29E-04	4.86E-04	2.87E-04	2.99E-04
242	567266.3	4217151.49	2.96E-03	3.19E-03	2.57E-03	2.83E-03	3.10E-04	4.58E-04	2.70E-04	2.82E-04
243	567253.85	4217153.29	2.88E-03	3.11E-03	2.50E-03	2.75E-03	3.02E-04	4.45E-04	2.63E-04	2.74E-04
244	567241.4	4217155.1	2.76E-03	2.98E-03	2.40E-03	2.64E-03	2.90E-04	4.27E-04	2.52E-04	2.63E-04
245	567228.96	4217156.9	2.61E-03	2.82E-03	2.26E-03	2.49E-03	2.74E-04	4.04E-04	2.38E-04	2.49E-04
246	567216.51	4217158.7	2.43E-03	2.62E-03	2.10E-03	2.32E-03	2.54E-04	3.75E-04	2.22E-04	2.31E-04
247	567204.06	4217160.5	2.22E-03	2.39E-03	1.92E-03	2.12E-03	2.33E-04	3.43E-04	2.03E-04	2.11E-04
248	567166.72	4217165.91	1.57E-03	1.69E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.43E-04	1.50E-04
249	567154.27	4217167.71	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
250	567141.83	4217169.52	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
251	567129.38	4217171.32	1.10E-03	1.19E-03	9.55E-04	1.05E-03	1.15E-04	1.70E-04	1.01E-04	1.05E-04
252	567365.96	4217024.43	3.23E-03	3.48E-03	2.80E-03	3.08E-03	3.39E-04	5.00E-04	2.95E-04	3.08E-04
253	567370.03	4217038.4	3.16E-03	3.42E-03	2.75E-03	3.02E-03	3.32E-04	4.90E-04	2.89E-04	3.02E-04
254	567362.33	4217048.47	3.37E-03	3.64E-03	2.92E-03	3.22E-03	3.53E-04	5.21E-04	3.08E-04	3.21E-04
255	567354.63	4217058.54	3.55E-03	3.83E-03	3.08E-03	3.39E-03	3.72E-04	5.49E-04	3.24E-04	3.38E-04
256	567346.92	4217068.61	3.69E-03	3.98E-03	3.20E-03	3.52E-03	3.87E-04	5.71E-04	3.37E-04	3.52E-04
257	567339.22	4217078.67	3.79E-03	4.09E-03	3.29E-03	3.62E-03	3.97E-04	5.87E-04	3.46E-04	3.61E-04
258	567331.51	4217088.74	3.84E-03	4.14E-03	3.33E-03	3.67E-03	4.03E-04	5.94E-04	3.51E-04	3.66E-04
259	567323.81	4217098.81	3.83E-03	4.14E-03	3.33E-03	3.66E-03	4.02E-04	5.93E-04	3.50E-04	3.65E-04
260	567316.1	4217108.88	3.77E-03	4.07E-03	3.27E-03	3.60E-03	3.96E-04	5.84E-04	3.44E-04	3.59E-04
261	567308.4	4217118.94	3.65E-03	3.94E-03	3.17E-03	3.49E-03	3.83E-04	5.65E-04	3.34E-04	3.48E-04
262	567300.69	4217129.01	3.48E-03	3.76E-03	3.02E-03	3.32E-03	3.65E-04	5.39E-04	3.18E-04	3.32E-04
263	567285.29	4217149.15	3.00E-03	3.24E-03	2.60E-03	2.87E-03	3.15E-04	4.65E-04	2.74E-04	2.86E-04
264	567271.31	4217160.12	2.69E-03	2.90E-03	2.33E-03	2.57E-03	2.82E-04	4.16E-04	2.46E-04	2.56E-04
265	567246.21	4217163.76	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.85E-04	2.27E-04	2.37E-04
266	567233.67	4217165.57	2.34E-03	2.53E-03	2.03E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.23E-04

267	567221.12	4217167.39	2.17E-03	2.35E-03	1.89E-03	2.08E-03	2.28E-04	3.36E-04	1.99E-04	2.07E-04
268	567208.58	4217169.21	1.99E-03	2.14E-03	1.72E-03	1.90E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
269	567196.03	4217171.03	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.63E-04	1.70E-04
270	567170.94	4217174.66	1.41E-03	1.52E-03	1.23E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
271	567158.39	4217176.48	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
272	567145.84	4217178.29	1.11E-03	1.20E-03	9.66E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
273	567133.3	4217180.11	1.00E-03	1.08E-03	8.69E-04	9.57E-04	1.05E-04	1.55E-04	9.15E-05	9.55E-05
274	567375.61	4217027.06	2.99E-03	3.23E-03	2.59E-03	2.86E-03	3.14E-04	4.63E-04	2.73E-04	2.85E-04
275	567379.65	4217041.07	2.93E-03	3.17E-03	2.55E-03	2.80E-03	3.08E-04	4.54E-04	2.68E-04	2.80E-04
276	567371.89	4217051.21	3.13E-03	3.38E-03	2.72E-03	2.99E-03	3.28E-04	4.85E-04	2.86E-04	2.98E-04
277	567364.13	4217061.35	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.02E-04	3.15E-04
278	567356.37	4217071.5	3.44E-03	3.72E-03	2.99E-03	3.29E-03	3.61E-04	5.33E-04	3.14E-04	3.28E-04
279	567348.61	4217081.64	3.54E-03	3.82E-03	3.07E-03	3.38E-03	3.72E-04	5.48E-04	3.24E-04	3.38E-04
280	567340.85	4217091.78	3.60E-03	3.88E-03	3.12E-03	3.44E-03	3.77E-04	5.57E-04	3.29E-04	3.43E-04
281	567333.09	4217101.92	3.60E-03	3.89E-03	3.12E-03	3.44E-03	3.78E-04	5.57E-04	3.29E-04	3.43E-04
282	567325.33	4217112.06	3.55E-03	3.84E-03	3.08E-03	3.39E-03	3.73E-04	5.50E-04	3.25E-04	3.39E-04
283	567317.57	4217122.2	3.45E-03	3.73E-03	3.00E-03	3.30E-03	3.62E-04	5.34E-04	3.15E-04	3.29E-04
284	567309.81	4217132.34	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.02E-04	3.15E-04
285	567294.28	4217152.63	2.87E-03	3.10E-03	2.49E-03	2.75E-03	3.01E-04	4.45E-04	2.63E-04	2.74E-04
286	567286.52	4217162.77	2.62E-03	2.83E-03	2.27E-03	2.50E-03	2.75E-04	4.06E-04	2.39E-04	2.50E-04
287	567276.32	4217168.75	2.45E-03	2.65E-03	2.13E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.34E-04
288	567251.05	4217172.41	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.49E-04	2.06E-04	2.15E-04
289	567238.41	4217174.24	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.02E-04
290	567225.77	4217176.08	1.96E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.87E-04
291	567213.13	4217177.91	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.87E-04	2.77E-04	1.63E-04	1.70E-04
292	567200.49	4217179.74	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
293	567175.22	4217183.4	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
294	567162.58	4217185.23	1.14E-03	1.23E-03	9.85E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
295	567149.94	4217187.06	1.01E-03	1.10E-03	8.80E-04	9.69E-04	1.06E-04	1.57E-04	9.27E-05	9.67E-05
296	567137.3	4217188.89	9.16E-04	9.89E-04	7.95E-04	8.75E-04	9.61E-05	1.42E-04	8.37E-05	8.73E-05
297	567124.66	4217190.72	8.39E-04	9.06E-04	7.28E-04	8.01E-04	8.80E-05	1.30E-04	7.66E-05	8.00E-05
298	567385.25	4217029.7	2.77E-03	2.99E-03	2.40E-03	2.65E-03	2.91E-04	4.29E-04	2.53E-04	2.64E-04
299	567389.28	4217043.74	2.73E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.60E-04
300	567381.46	4217053.95	2.91E-03	3.14E-03	2.53E-03	2.78E-03	3.05E-04	4.51E-04	2.66E-04	2.78E-04
301	567373.65	4217064.16	3.08E-03	3.33E-03	2.67E-03	2.94E-03	3.23E-04	4.77E-04	2.81E-04	2.94E-04
302	567365.84	4217074.37	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.37E-04	4.98E-04	2.94E-04	3.07E-04
303	567358.02	4217084.58	3.32E-03	3.58E-03	2.88E-03	3.17E-03	3.48E-04	5.14E-04	3.03E-04	3.16E-04
304	567350.21	4217094.79	3.38E-03	3.64E-03	2.93E-03	3.23E-03	3.54E-04	5.23E-04	3.08E-04	3.22E-04
305	567342.4	4217104.99	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.55E-04	5.25E-04	3.10E-04	3.23E-04
306	567334.58	4217115.2	3.35E-03	3.62E-03	2.91E-03	3.20E-03	3.52E-04	5.19E-04	3.06E-04	3.20E-04
307	567326.77	4217125.41	3.27E-03	3.53E-03	2.84E-03	3.12E-03	3.43E-04	5.06E-04	2.99E-04	3.12E-04
308	567318.96	4217135.62	3.14E-03	3.39E-03	2.72E-03	3.00E-03	3.29E-04	4.86E-04	2.87E-04	2.99E-04
309	567303.33	4217156.04	2.76E-03	2.98E-03	2.39E-03	2.63E-03	2.89E-04	4.27E-04	2.52E-04	2.63E-04
310	567295.52	4217166.25	2.52E-03	2.72E-03	2.19E-03	2.41E-03	2.65E-04	3.91E-04	2.31E-04	2.41E-04
311	567281.34	4217177.38	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
312	567268.62	4217179.23	2.15E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.33E-04	1.97E-04	2.05E-04
313	567243.17	4217182.91	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
314	567230.45	4217184.76	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
315	567217.72	4217186.6	1.62E-03	1.74E-03	1.40E-03	1.54E-03	1.70E-04	2.50E-04	1.48E-04	1.54E-04
316	567205	4217188.44	1.46E-03	1.57E-03	1.27E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
317	567192.28	4217190.28	1.31E-03	1.41E-03	1.13E-03	1.25E-03	1.37E-04	2.02E-04	1.19E-04	1.24E-04
318	567166.83	4217193.97	1.04E-03	1.12E-03	8.99E-04	9.90E-04	1.09E-04	1.60E-04	9.47E-05	9.88E-05
319	567154.11	4217195.81	9.29E-04	1.00E-03	8.06E-04	8.88E-04	9.75E-05	1.44E-04	8.49E-05	8.86E-05
320	567141.38	4217197.65	8.42E-04	9.08E-04	7.30E-04	8.04E-04	8.83E-05	1.30E-04	7.69E-05	8.02E-05

321	567128.66	4217199.5	7.73E-04	8.34E-04	6.71E-04	7.38E-04	8.11E-05	1.20E-04	7.06E-05	7.37E-05
322	567394.9	4217032.33	2.58E-03	2.78E-03	2.24E-03	2.46E-03	2.70E-04	3.99E-04	2.36E-04	2.46E-04
323	567398.9	4217046.4	2.55E-03	2.75E-03	2.21E-03	2.43E-03	2.67E-04	3.94E-04	2.33E-04	2.43E-04
324	567391.04	4217056.67	2.72E-03	2.93E-03	2.36E-03	2.60E-03	2.85E-04	4.21E-04	2.48E-04	2.59E-04
325	567383.17	4217066.95	2.88E-03	3.11E-03	2.50E-03	2.75E-03	3.02E-04	4.46E-04	2.63E-04	2.75E-04
326	567375.31	4217077.22	3.01E-03	3.25E-03	2.61E-03	2.88E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
327	567367.45	4217087.49	3.11E-03	3.36E-03	2.70E-03	2.97E-03	3.26E-04	4.82E-04	2.84E-04	2.97E-04
328	567359.59	4217097.77	3.17E-03	3.43E-03	2.75E-03	3.03E-03	3.33E-04	4.91E-04	2.90E-04	3.02E-04
329	567351.73	4217108.04	3.19E-03	3.45E-03	2.77E-03	3.05E-03	3.35E-04	4.94E-04	2.92E-04	3.04E-04
330	567343.87	4217118.31	3.17E-03	3.42E-03	2.75E-03	3.03E-03	3.32E-04	4.90E-04	2.89E-04	3.02E-04
331	567336	4217128.59	3.10E-03	3.34E-03	2.69E-03	2.96E-03	3.25E-04	4.79E-04	2.83E-04	2.95E-04
332	567328.14	4217138.86	2.98E-03	3.22E-03	2.59E-03	2.85E-03	3.13E-04	4.62E-04	2.73E-04	2.84E-04
333	567312.42	4217159.4	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.77E-04	4.09E-04	2.42E-04	2.52E-04
334	567304.56	4217169.68	2.43E-03	2.63E-03	2.11E-03	2.33E-03	2.55E-04	3.77E-04	2.22E-04	2.32E-04
335	567296.7	4217179.95	2.21E-03	2.38E-03	1.91E-03	2.11E-03	2.31E-04	3.41E-04	2.02E-04	2.10E-04
336	567286.36	4217186.01	2.05E-03	2.22E-03	1.78E-03	1.96E-03	2.15E-04	3.18E-04	1.88E-04	1.96E-04
337	567273.56	4217187.87	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.05E-04	1.80E-04	1.88E-04
338	567247.96	4217191.58	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
339	567235.15	4217193.43	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
340	567222.35	4217195.29	1.47E-03	1.59E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
341	567209.55	4217197.14	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
342	567196.75	4217198.99	1.19E-03	1.28E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.13E-04
343	567171.14	4217202.7	9.51E-04	1.03E-03	8.25E-04	9.08E-04	9.97E-05	1.47E-04	8.68E-05	9.06E-05
344	567158.34	4217204.56	8.55E-04	9.23E-04	7.42E-04	8.16E-04	8.97E-05	1.32E-04	7.81E-05	8.15E-05
345	567145.54	4217206.41	7.76E-04	8.38E-04	6.74E-04	7.42E-04	8.14E-05	1.20E-04	7.09E-05	7.40E-05
346	567132.73	4217208.26	7.15E-04	7.71E-04	6.20E-04	6.83E-04	7.50E-05	1.11E-04	6.53E-05	6.81E-05
347	567119.93	4217210.12	6.68E-04	7.21E-04	5.79E-04	6.38E-04	7.00E-05	1.03E-04	6.10E-05	6.36E-05
348	567404.55	4217034.96	2.40E-03	2.60E-03	2.09E-03	2.30E-03	2.52E-04	3.72E-04	2.20E-04	2.29E-04
349	567408.52	4217049.06	2.38E-03	2.57E-03	2.07E-03	2.27E-03	2.50E-04	3.69E-04	2.18E-04	2.27E-04
350	567400.62	4217059.39	2.54E-03	2.74E-03	2.20E-03	2.43E-03	2.67E-04	3.93E-04	2.32E-04	2.42E-04
351	567392.71	4217069.73	2.69E-03	2.90E-03	2.33E-03	2.57E-03	2.82E-04	4.16E-04	2.46E-04	2.56E-04
352	567384.8	4217080.06	2.82E-03	3.05E-03	2.45E-03	2.70E-03	2.96E-04	4.37E-04	2.58E-04	2.69E-04
353	567376.9	4217090.39	2.92E-03	3.15E-03	2.53E-03	2.79E-03	3.06E-04	4.52E-04	2.67E-04	2.78E-04
354	567368.99	4217100.72	2.99E-03	3.22E-03	2.59E-03	2.85E-03	3.13E-04	4.62E-04	2.73E-04	2.85E-04
355	567361.08	4217111.05	3.01E-03	3.25E-03	2.61E-03	2.88E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
356	567353.17	4217121.39	3.00E-03	3.23E-03	2.60E-03	2.86E-03	3.14E-04	4.64E-04	2.74E-04	2.86E-04
357	567345.27	4217131.72	2.94E-03	3.17E-03	2.55E-03	2.81E-03	3.08E-04	4.55E-04	2.68E-04	2.80E-04
358	567337.36	4217142.05	2.84E-03	3.07E-03	2.46E-03	2.71E-03	2.98E-04	4.40E-04	2.59E-04	2.71E-04
359	567321.55	4217162.72	2.54E-03	2.74E-03	2.20E-03	2.43E-03	2.66E-04	3.93E-04	2.32E-04	2.42E-04
360	567313.64	4217173.05	2.35E-03	2.54E-03	2.04E-03	2.24E-03	2.46E-04	3.64E-04	2.15E-04	2.24E-04
361	567305.73	4217183.38	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
362	567291.39	4217194.64	1.89E-03	2.04E-03	1.64E-03	1.80E-03	1.98E-04	2.92E-04	1.72E-04	1.80E-04
363	567278.51	4217196.51	1.80E-03	1.95E-03	1.57E-03	1.72E-03	1.89E-04	2.79E-04	1.65E-04	1.72E-04
364	567252.76	4217200.24	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
365	567239.88	4217202.1	1.47E-03	1.59E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
366	567227.01	4217203.97	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.07E-04	1.22E-04	1.28E-04
367	567214.13	4217205.83	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
368	567201.26	4217207.7	1.09E-03	1.18E-03	9.45E-04	1.04E-03	1.14E-04	1.69E-04	9.95E-05	1.04E-04
369	567175.5	4217211.43	8.75E-04	9.45E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	7.99E-05	8.34E-05
370	567162.63	4217213.29	7.89E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.52E-05
371	567149.75	4217215.16	7.19E-04	7.76E-04	6.24E-04	6.87E-04	7.54E-05	1.11E-04	6.57E-05	6.85E-05
372	567136.88	4217217.02	6.63E-04	7.16E-04	5.75E-04	6.34E-04	6.96E-05	1.03E-04	6.06E-05	6.32E-05
373	567124	4217218.89	6.20E-04	6.70E-04	5.38E-04	5.93E-04	6.51E-05	9.60E-05	5.67E-05	5.91E-05
374	567410.59	4217061.61	2.37E-03	2.56E-03	2.06E-03	2.27E-03	2.49E-04	3.67E-04	2.17E-04	2.26E-04

375	567402.89	4217071.66	2.51E-03	2.71E-03	2.18E-03	2.40E-03	2.63E-04	3.88E-04	2.29E-04	2.39E-04
376	567395.2	4217081.71	2.63E-03	2.84E-03	2.28E-03	2.51E-03	2.76E-04	4.07E-04	2.40E-04	2.51E-04
377	567387.51	4217091.76	2.73E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.61E-04
378	567379.81	4217101.81	2.80E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
379	567372.12	4217111.87	2.84E-03	3.07E-03	2.46E-03	2.71E-03	2.98E-04	4.40E-04	2.59E-04	2.71E-04
380	567364.43	4217121.92	2.84E-03	3.07E-03	2.47E-03	2.71E-03	2.98E-04	4.40E-04	2.60E-04	2.71E-04
381	567356.74	4217131.97	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.94E-04	4.35E-04	2.56E-04	2.68E-04
382	567349.04	4217142.02	2.74E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.24E-04	2.50E-04	2.61E-04
383	567325.97	4217172.18	2.34E-03	2.52E-03	2.03E-03	2.23E-03	2.45E-04	3.62E-04	2.14E-04	2.23E-04
384	567318.27	4217182.23	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.27E-04	3.34E-04	1.97E-04	2.06E-04
385	567310.58	4217192.28	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
386	567296.62	4217203.24	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.82E-04	2.69E-04	1.59E-04	1.66E-04
387	567284.1	4217205.06	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
388	567271.57	4217206.87	1.57E-03	1.70E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.44E-04	1.50E-04
389	567246.52	4217210.5	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
390	567233.99	4217212.31	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
391	567221.46	4217214.13	1.14E-03	1.23E-03	9.86E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
392	567208.93	4217215.94	1.03E-03	1.11E-03	8.91E-04	9.81E-04	1.08E-04	1.59E-04	9.38E-05	9.79E-05
393	567196.41	4217217.76	9.26E-04	9.99E-04	8.03E-04	8.84E-04	9.71E-05	1.43E-04	8.46E-05	8.82E-05
394	567171.35	4217221.39	7.56E-04	8.16E-04	6.56E-04	7.22E-04	7.93E-05	1.17E-04	6.91E-05	7.21E-05
395	567158.83	4217223.2	6.90E-04	7.45E-04	5.99E-04	6.59E-04	7.24E-05	1.07E-04	6.30E-05	6.58E-05
396	567146.3	4217225.02	6.37E-04	6.87E-04	5.52E-04	6.08E-04	6.68E-05	9.85E-05	5.81E-05	6.07E-05
397	567133.77	4217226.83	5.94E-04	6.41E-04	5.16E-04	5.68E-04	6.23E-05	9.20E-05	5.43E-05	5.66E-05
398	567121.24	4217228.64	5.62E-04	6.06E-04	4.87E-04	5.36E-04	5.89E-05	8.69E-05	5.13E-05	5.35E-05
399	567404.69	4217084.55	2.47E-03	2.66E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.25E-04	2.35E-04
400	567396.95	4217094.67	2.57E-03	2.78E-03	2.23E-03	2.46E-03	2.70E-04	3.98E-04	2.35E-04	2.45E-04
401	567389.21	4217104.78	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.09E-04	2.41E-04	2.52E-04
402	567381.47	4217114.89	2.68E-03	2.90E-03	2.33E-03	2.56E-03	2.82E-04	4.15E-04	2.45E-04	2.56E-04
403	567373.73	4217125	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.82E-04	4.17E-04	2.46E-04	2.57E-04
404	567365.99	4217135.12	2.67E-03	2.88E-03	2.31E-03	2.55E-03	2.80E-04	4.13E-04	2.44E-04	2.54E-04
405	567358.25	4217145.23	2.61E-03	2.81E-03	2.26E-03	2.49E-03	2.73E-04	4.03E-04	2.38E-04	2.48E-04
406	567327.3	4217185.68	2.09E-03	2.26E-03	1.81E-03	2.00E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
407	567319.56	4217195.79	1.91E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.96E-04	1.75E-04	1.82E-04
408	567311.82	4217205.9	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.82E-04	2.68E-04	1.58E-04	1.65E-04
409	567301.65	4217211.87	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.49E-04	1.47E-04	1.53E-04
410	567289.05	4217213.7	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
411	567276.44	4217215.52	1.45E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
412	567251.24	4217219.17	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
413	567238.64	4217221	1.15E-03	1.24E-03	9.96E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
414	567226.03	4217222.82	1.04E-03	1.13E-03	9.07E-04	9.98E-04	1.10E-04	1.62E-04	9.54E-05	9.96E-05
415	567213.43	4217224.65	9.46E-04	1.02E-03	8.21E-04	9.04E-04	9.92E-05	1.46E-04	8.64E-05	9.02E-05
416	567200.83	4217226.47	8.55E-04	9.23E-04	7.42E-04	8.17E-04	8.97E-05	1.32E-04	7.81E-05	8.15E-05
417	567175.62	4217230.13	7.01E-04	7.57E-04	6.09E-04	6.70E-04	7.36E-05	1.09E-04	6.41E-05	6.69E-05
418	567163.02	4217231.95	6.42E-04	6.93E-04	5.57E-04	6.13E-04	6.73E-05	9.94E-05	5.86E-05	6.12E-05
419	567150.42	4217233.78	5.93E-04	6.41E-04	5.15E-04	5.67E-04	6.22E-05	9.19E-05	5.42E-05	5.66E-05
420	567137.82	4217235.6	5.55E-04	5.99E-04	4.82E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
421	567125.21	4217237.43	5.25E-04	5.67E-04	4.56E-04	5.02E-04	5.51E-05	8.13E-05	4.80E-05	5.00E-05
422	567437.53	4217056.88	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
423	567406.4	4217097.55	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.53E-04	3.74E-04	2.21E-04	2.30E-04
424	567398.62	4217107.72	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.86E-04	2.28E-04	2.38E-04
425	567390.83	4217117.89	2.54E-03	2.74E-03	2.20E-03	2.42E-03	2.66E-04	3.93E-04	2.32E-04	2.42E-04
426	567383.05	4217128.06	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
427	567375.27	4217138.23	2.53E-03	2.74E-03	2.20E-03	2.42E-03	2.66E-04	3.92E-04	2.31E-04	2.42E-04
428	567367.49	4217148.4	2.48E-03	2.68E-03	2.16E-03	2.37E-03	2.61E-04	3.84E-04	2.27E-04	2.37E-04

429	567351.92	4217168.74	2.30E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.10E-04	2.19E-04
430	567328.58	4217199.25	1.86E-03	2.01E-03	1.61E-03	1.78E-03	1.95E-04	2.88E-04	1.70E-04	1.77E-04
431	567320.79	4217209.42	1.69E-03	1.82E-03	1.47E-03	1.61E-03	1.77E-04	2.62E-04	1.54E-04	1.61E-04
432	567306.67	4217220.5	1.49E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
433	567294	4217222.34	1.41E-03	1.53E-03	1.23E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
434	567281.33	4217224.17	1.33E-03	1.44E-03	1.16E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
435	567268.65	4217226.01	1.25E-03	1.34E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
436	567243.31	4217229.68	1.06E-03	1.14E-03	9.18E-04	1.01E-03	1.11E-04	1.64E-04	9.67E-05	1.01E-04
437	567230.64	4217231.52	9.64E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
438	567217.96	4217233.35	8.75E-04	9.44E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	7.99E-05	8.34E-05
439	567205.29	4217235.19	7.92E-04	8.55E-04	6.87E-04	7.56E-04	8.31E-05	1.23E-04	7.23E-05	7.55E-05
440	567192.62	4217237.02	7.18E-04	7.75E-04	6.23E-04	6.85E-04	7.53E-05	1.11E-04	6.55E-05	6.84E-05
441	567167.27	4217240.69	5.99E-04	6.46E-04	5.20E-04	5.72E-04	6.28E-05	9.27E-05	5.47E-05	5.71E-05
442	567154.6	4217242.53	5.55E-04	5.99E-04	4.81E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
443	567141.92	4217244.36	5.20E-04	5.61E-04	4.51E-04	4.96E-04	5.45E-05	8.04E-05	4.75E-05	4.95E-05
444	567129.25	4217246.2	4.92E-04	5.31E-04	4.27E-04	4.70E-04	5.16E-05	7.62E-05	4.50E-05	4.69E-05
445	567116.58	4217248.03	4.72E-04	5.09E-04	4.09E-04	4.50E-04	4.95E-05	7.30E-05	4.31E-05	4.49E-05
446	567443.14	4217045.49	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.78E-04
447	567447.15	4217059.53	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.79E-04
448	567439.33	4217069.76	1.98E-03	2.14E-03	1.72E-03	1.90E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
449	567431.51	4217079.98	2.09E-03	2.26E-03	1.82E-03	2.00E-03	2.20E-04	3.24E-04	1.91E-04	2.00E-04
450	567408.04	4217110.65	2.35E-03	2.54E-03	2.04E-03	2.24E-03	2.46E-04	3.64E-04	2.15E-04	2.24E-04
451	567400.22	4217120.87	2.40E-03	2.59E-03	2.08E-03	2.29E-03	2.52E-04	3.72E-04	2.19E-04	2.29E-04
452	567392.39	4217131.09	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
453	567384.57	4217141.32	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.53E-04	3.73E-04	2.20E-04	2.30E-04
454	567376.75	4217151.54	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.49E-04	3.67E-04	2.16E-04	2.26E-04
455	567361.1	4217171.98	2.20E-03	2.38E-03	1.91E-03	2.11E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
456	567353.28	4217182.21	2.09E-03	2.25E-03	1.81E-03	2.00E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
457	567345.45	4217192.43	1.96E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.86E-04
458	567329.81	4217212.88	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.55E-04	1.51E-04	1.57E-04
459	567321.98	4217223.1	1.49E-03	1.61E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
460	567311.7	4217229.13	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.13E-04	1.26E-04	1.31E-04
461	567298.96	4217230.98	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
462	567286.22	4217232.82	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
463	567273.48	4217234.67	1.15E-03	1.24E-03	9.99E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
464	567248	4217238.36	9.79E-04	1.06E-03	8.49E-04	9.35E-04	1.03E-04	1.51E-04	8.94E-05	9.33E-05
465	567235.26	4217240.2	8.93E-04	9.64E-04	7.75E-04	8.53E-04	9.37E-05	1.38E-04	8.16E-05	8.51E-05
466	567222.52	4217242.05	8.11E-04	8.76E-04	7.04E-04	7.75E-04	8.51E-05	1.26E-04	7.41E-05	7.73E-05
467	567209.78	4217243.89	7.36E-04	7.94E-04	6.38E-04	7.03E-04	7.72E-05	1.14E-04	6.72E-05	7.01E-05
468	567197.04	4217245.74	6.68E-04	7.21E-04	5.80E-04	6.38E-04	7.01E-05	1.03E-04	6.10E-05	6.37E-05
469	567171.57	4217249.43	5.60E-04	6.05E-04	4.86E-04	5.35E-04	5.88E-05	8.67E-05	5.12E-05	5.34E-05
470	567158.83	4217251.27	5.20E-04	5.61E-04	4.51E-04	4.97E-04	5.45E-05	8.05E-05	4.75E-05	4.96E-05
471	567146.09	4217253.12	4.88E-04	5.26E-04	4.23E-04	4.66E-04	5.12E-05	7.55E-05	4.45E-05	4.65E-05
472	567133.35	4217254.96	4.63E-04	4.99E-04	4.01E-04	4.42E-04	4.85E-05	7.16E-05	4.23E-05	4.41E-05
473	567120.61	4217256.81	4.43E-04	4.79E-04	3.85E-04	4.24E-04	4.65E-05	6.86E-05	4.05E-05	4.23E-05
474	567452.79	4217048.12	1.77E-03	1.92E-03	1.54E-03	1.70E-03	1.86E-04	2.75E-04	1.62E-04	1.69E-04
475	567456.78	4217062.19	1.77E-03	1.92E-03	1.54E-03	1.70E-03	1.86E-04	2.75E-04	1.62E-04	1.69E-04
476	567448.92	4217072.46	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
477	567441.06	4217082.74	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
478	567433.2	4217093.01	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.18E-04	3.21E-04	1.89E-04	1.98E-04
479	567401.75	4217134.1	2.30E-03	2.48E-03	2.00E-03	2.20E-03	2.41E-04	3.56E-04	2.10E-04	2.19E-04
480	567393.89	4217144.38	2.29E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.10E-04	2.19E-04
481	567386.03	4217154.65	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.07E-04	2.16E-04
482	567362.44	4217185.47	2.01E-03	2.17E-03	1.75E-03	1.92E-03	2.11E-04	3.12E-04	1.84E-04	1.92E-04

483	567354.58	4217195.74	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.98E-04	2.93E-04	1.73E-04	1.80E-04
484	567346.72	4217206.01	1.76E-03	1.90E-03	1.52E-03	1.68E-03	1.84E-04	2.72E-04	1.60E-04	1.67E-04
485	567331	4217226.56	1.46E-03	1.58E-03	1.27E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
486	567316.73	4217237.76	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
487	567303.93	4217239.62	1.22E-03	1.31E-03	1.05E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
488	567291.13	4217241.47	1.14E-03	1.24E-03	9.93E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
489	567278.33	4217243.32	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
490	567252.72	4217247.03	9.08E-04	9.80E-04	7.87E-04	8.67E-04	9.52E-05	1.40E-04	8.29E-05	8.65E-05
491	567239.92	4217248.89	8.29E-04	8.95E-04	7.19E-04	7.92E-04	8.70E-05	1.28E-04	7.57E-05	7.90E-05
492	567227.11	4217250.74	7.54E-04	8.14E-04	6.55E-04	7.21E-04	7.91E-05	1.17E-04	6.89E-05	7.19E-05
493	567214.31	4217252.59	6.86E-04	7.40E-04	5.95E-04	6.55E-04	7.19E-05	1.06E-04	6.26E-05	6.54E-05
494	567201.51	4217254.45	6.24E-04	6.74E-04	5.42E-04	5.96E-04	6.55E-05	9.66E-05	5.70E-05	5.95E-05
495	567175.9	4217258.16	5.26E-04	5.67E-04	4.56E-04	5.02E-04	5.51E-05	8.14E-05	4.80E-05	5.01E-05
496	567163.1	4217260.01	4.89E-04	5.27E-04	4.24E-04	4.67E-04	5.12E-05	7.56E-05	4.46E-05	4.66E-05
497	567150.3	4217261.87	4.59E-04	4.95E-04	3.98E-04	4.38E-04	4.81E-05	7.10E-05	4.19E-05	4.37E-05
498	567137.5	4217263.72	4.36E-04	4.70E-04	3.78E-04	4.16E-04	4.57E-05	6.74E-05	3.98E-05	4.15E-05
499	567124.69	4217265.57	4.18E-04	4.51E-04	3.63E-04	3.99E-04	4.38E-05	6.47E-05	3.82E-05	3.98E-05
500	567462.43	4217050.75	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.60E-04
501	567466.41	4217064.85	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.60E-04
502	567458.51	4217075.17	1.78E-03	1.93E-03	1.55E-03	1.70E-03	1.87E-04	2.76E-04	1.63E-04	1.70E-04
503	567450.62	4217085.49	1.88E-03	2.03E-03	1.63E-03	1.79E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
504	567442.72	4217095.81	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.05E-04	1.80E-04	1.88E-04
505	567434.82	4217106.13	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
506	567403.23	4217147.41	2.19E-03	2.36E-03	1.90E-03	2.09E-03	2.29E-04	3.38E-04	2.00E-04	2.08E-04
507	567395.33	4217157.73	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.27E-04	3.34E-04	1.97E-04	2.06E-04
508	567371.64	4217188.69	1.94E-03	2.10E-03	1.68E-03	1.85E-03	2.04E-04	3.00E-04	1.77E-04	1.85E-04
509	567363.74	4217199.02	1.83E-03	1.98E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
510	567355.84	4217209.34	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
511	567347.94	4217219.66	1.57E-03	1.70E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.44E-04	1.50E-04
512	567321.76	4217246.39	1.19E-03	1.29E-03	1.03E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
513	567308.9	4217248.25	1.13E-03	1.22E-03	9.81E-04	1.08E-03	1.19E-04	1.75E-04	1.03E-04	1.08E-04
514	567296.04	4217250.12	1.06E-03	1.15E-03	9.23E-04	1.02E-03	1.12E-04	1.65E-04	9.71E-05	1.01E-04
515	567283.18	4217251.98	9.92E-04	1.07E-03	8.61E-04	9.47E-04	1.04E-04	1.54E-04	9.06E-05	9.45E-05
516	567270.32	4217253.84	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
517	567244.59	4217257.57	7.72E-04	8.33E-04	6.70E-04	7.37E-04	8.10E-05	1.19E-04	7.05E-05	7.36E-05
518	567231.73	4217259.43	7.04E-04	7.60E-04	6.10E-04	6.72E-04	7.38E-05	1.09E-04	6.43E-05	6.71E-05
519	567218.87	4217261.29	6.41E-04	6.92E-04	5.56E-04	6.12E-04	6.72E-05	9.92E-05	5.85E-05	6.11E-05
520	567206.01	4217263.15	5.84E-04	6.31E-04	5.07E-04	5.58E-04	6.13E-05	9.05E-05	5.34E-05	5.57E-05
521	567193.15	4217265.02	5.35E-04	5.78E-04	4.65E-04	5.11E-04	5.62E-05	8.29E-05	4.89E-05	5.10E-05
522	567472.08	4217053.38	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.52E-04
523	567208.74	4216964.73	2.16E-02	2.33E-02	1.87E-02	2.06E-02	2.26E-03	3.34E-03	1.97E-03	2.06E-03
524	567217.66	4216969.25	1.80E-02	1.94E-02	1.56E-02	1.72E-02	1.89E-03	2.79E-03	1.64E-03	1.72E-03
525	567226.58	4216973.77	1.53E-02	1.65E-02	1.33E-02	1.46E-02	1.60E-03	2.37E-03	1.40E-03	1.46E-03
526	567233.83	4216959.46	1.42E-02	1.53E-02	1.23E-02	1.36E-02	1.49E-03	2.20E-03	1.30E-03	1.35E-03
527	567235.51	4216978.29	1.32E-02	1.42E-02	1.14E-02	1.26E-02	1.38E-03	2.04E-03	1.20E-03	1.26E-03
528	567242.75	4216963.97	1.22E-02	1.32E-02	1.06E-02	1.16E-02	1.28E-03	1.89E-03	1.11E-03	1.16E-03
529	567248.05	4216975.65	1.11E-02	1.20E-02	9.64E-03	1.06E-02	1.17E-03	1.72E-03	1.01E-03	1.06E-03
530	567255.3	4216961.34	9.99E-03	1.08E-02	8.67E-03	9.55E-03	1.05E-03	1.55E-03	9.13E-04	9.53E-04
531	567256.97	4216980.17	9.77E-03	1.05E-02	8.48E-03	9.33E-03	1.02E-03	1.51E-03	8.93E-04	9.31E-04
532	567264.22	4216965.85	8.80E-03	9.50E-03	7.63E-03	8.41E-03	9.23E-04	1.36E-03	8.04E-04	8.39E-04
533	567265.89	4216984.68	8.68E-03	9.37E-03	7.53E-03	8.29E-03	9.10E-04	1.34E-03	7.93E-04	8.27E-04
534	567273.14	4216970.37	7.84E-03	8.46E-03	6.80E-03	7.49E-03	8.22E-04	1.21E-03	7.16E-04	7.47E-04
535	567274.81	4216989.2	7.77E-03	8.39E-03	6.74E-03	7.42E-03	8.15E-04	1.20E-03	7.10E-04	7.41E-04
536	567282.06	4216974.89	7.04E-03	7.59E-03	6.10E-03	6.72E-03	7.38E-04	1.09E-03	6.43E-04	6.71E-04

537	567287.36	4216986.56	6.70E-03	7.23E-03	5.81E-03	6.40E-03	7.03E-04	1.04E-03	6.12E-04	6.38E-04
538	567296.28	4216991.08	6.07E-03	6.55E-03	5.27E-03	5.80E-03	6.37E-04	9.40E-04	5.55E-04	5.79E-04
539	567344.51	4217006.52	3.80E-03	4.10E-03	3.29E-03	3.63E-03	3.98E-04	5.88E-04	3.47E-04	3.62E-04
540	567353.43	4217011.03	3.53E-03	3.81E-03	3.06E-03	3.37E-03	3.70E-04	5.46E-04	3.22E-04	3.36E-04
541	567451.29	4217105.55	1.88E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
542	567458.54	4217091.23	1.80E-03	1.95E-03	1.56E-03	1.72E-03	1.89E-04	2.79E-04	1.65E-04	1.72E-04
543	567229.97	4216946.94	1.54E-02	1.66E-02	1.33E-02	1.47E-02	1.61E-03	2.38E-03	1.40E-03	1.46E-03
544	567243.15	4216946.08	1.19E-02	1.28E-02	1.03E-02	1.13E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
545	567251.12	4216952.11	1.05E-02	1.13E-02	9.11E-03	1.00E-02	1.10E-03	1.63E-03	9.59E-04	1.00E-03
546	567224.05	4216899.29	1.15E-02	1.24E-02	9.98E-03	1.10E-02	1.21E-03	1.78E-03	1.05E-03	1.10E-03
547	567211.98	4216887.14	1.17E-02	1.26E-02	1.02E-02	1.12E-02	1.23E-03	1.81E-03	1.07E-03	1.12E-03
548	567188.26	4216870.6	1.21E-02	1.31E-02	1.05E-02	1.15E-02	1.27E-03	1.87E-03	1.10E-03	1.15E-03
549	567180.35	4216865.08	1.19E-02	1.28E-02	1.03E-02	1.14E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
550	567172.45	4216859.57	1.16E-02	1.25E-02	1.00E-02	1.10E-02	1.21E-03	1.79E-03	1.06E-03	1.10E-03
551	567164.54	4216854.06	1.11E-02	1.20E-02	9.64E-03	1.06E-02	1.17E-03	1.72E-03	1.01E-03	1.06E-03
552	567156.63	4216848.54	1.05E-02	1.13E-02	9.12E-03	1.00E-02	1.10E-03	1.63E-03	9.60E-04	1.00E-03
553	567148.73	4216843.03	9.76E-03	1.05E-02	8.47E-03	9.33E-03	1.02E-03	1.51E-03	8.92E-04	9.31E-04
554	567140.82	4216837.51	8.89E-03	9.60E-03	7.71E-03	8.49E-03	9.33E-04	1.38E-03	8.12E-04	8.47E-04
555	567132.91	4216832	7.93E-03	8.56E-03	6.88E-03	7.57E-03	8.31E-04	1.23E-03	7.24E-04	7.56E-04
556	567125	4216826.48	6.93E-03	7.48E-03	6.01E-03	6.62E-03	7.27E-04	1.07E-03	6.33E-04	6.60E-04
557	567229.77	4216891.09	9.01E-03	9.72E-03	7.82E-03	8.60E-03	9.45E-04	1.39E-03	8.23E-04	8.59E-04
558	567236.18	4216911.95	1.06E-02	1.15E-02	9.23E-03	1.02E-02	1.12E-03	1.65E-03	9.71E-04	1.01E-03
559	567201.89	4216867.91	9.30E-03	1.00E-02	8.07E-03	8.89E-03	9.76E-04	1.44E-03	8.50E-04	8.87E-04
560	567193.98	4216862.4	9.24E-03	9.97E-03	8.01E-03	8.82E-03	9.69E-04	1.43E-03	8.44E-04	8.80E-04
561	567186.07	4216856.88	9.06E-03	9.77E-03	7.86E-03	8.65E-03	9.50E-04	1.40E-03	8.27E-04	8.63E-04
562	567178.17	4216851.37	8.78E-03	9.48E-03	7.62E-03	8.39E-03	9.21E-04	1.36E-03	8.02E-04	8.37E-04
563	567170.26	4216845.85	8.41E-03	9.08E-03	7.30E-03	8.04E-03	8.83E-04	1.30E-03	7.69E-04	8.02E-04
564	567162.35	4216840.34	7.95E-03	8.58E-03	6.90E-03	7.59E-03	8.34E-04	1.23E-03	7.26E-04	7.58E-04
565	567154.45	4216834.82	7.40E-03	7.99E-03	6.42E-03	7.07E-03	7.76E-04	1.15E-03	6.76E-04	7.06E-04
566	567146.54	4216829.31	6.79E-03	7.33E-03	5.89E-03	6.49E-03	7.12E-04	1.05E-03	6.20E-04	6.47E-04
567	567138.63	4216823.8	6.14E-03	6.62E-03	5.32E-03	5.86E-03	6.44E-04	9.50E-04	5.61E-04	5.85E-04
568	567114.91	4216807.25	4.29E-03	4.63E-03	3.72E-03	4.09E-03	4.50E-04	6.63E-04	3.92E-04	4.09E-04
569	567235.49	4216882.89	7.27E-03	7.85E-03	6.31E-03	6.95E-03	7.63E-04	1.13E-03	6.64E-04	6.93E-04
570	567243.8	4216896.15	7.61E-03	8.21E-03	6.60E-03	7.27E-03	7.98E-04	1.18E-03	6.95E-04	7.25E-04
571	567246.06	4216910.38	8.62E-03	9.31E-03	7.48E-03	8.24E-03	9.05E-04	1.33E-03	7.88E-04	8.22E-04
572	567215.52	4216865.22	7.36E-03	7.95E-03	6.39E-03	7.03E-03	7.72E-04	1.14E-03	6.73E-04	7.02E-04
573	567207.61	4216859.71	7.40E-03	7.98E-03	6.42E-03	7.06E-03	7.76E-04	1.14E-03	6.76E-04	7.05E-04
574	567199.7	4216854.19	7.32E-03	7.90E-03	6.35E-03	6.99E-03	7.68E-04	1.13E-03	6.69E-04	6.98E-04
575	567191.8	4216848.68	7.17E-03	7.74E-03	6.22E-03	6.85E-03	7.52E-04	1.11E-03	6.55E-04	6.83E-04
576	567183.89	4216843.16	6.94E-03	7.49E-03	6.02E-03	6.63E-03	7.28E-04	1.07E-03	6.34E-04	6.61E-04
577	567175.98	4216837.65	6.64E-03	7.17E-03	5.76E-03	6.35E-03	6.97E-04	1.03E-03	6.07E-04	6.33E-04
578	567168.07	4216832.14	6.29E-03	6.79E-03	5.45E-03	6.00E-03	6.59E-04	9.73E-04	5.74E-04	5.99E-04
579	567160.17	4216826.62	5.88E-03	6.34E-03	5.10E-03	5.61E-03	6.17E-04	9.10E-04	5.37E-04	5.60E-04
580	567152.26	4216821.11	5.43E-03	5.86E-03	4.71E-03	5.19E-03	5.70E-04	8.41E-04	4.96E-04	5.18E-04
581	567128.54	4216804.56	4.06E-03	4.38E-03	3.52E-03	3.87E-03	4.25E-04	6.28E-04	3.71E-04	3.87E-04
582	567120.63	4216799.05	3.65E-03	3.94E-03	3.16E-03	3.48E-03	3.83E-04	5.65E-04	3.33E-04	3.48E-04
583	567241.21	4216874.68	6.03E-03	6.51E-03	5.23E-03	5.76E-03	6.33E-04	9.34E-04	5.51E-04	5.75E-04
584	567249.52	4216887.95	6.33E-03	6.84E-03	5.49E-03	6.05E-03	6.64E-04	9.80E-04	5.78E-04	6.04E-04
585	567255.93	4216908.82	7.17E-03	7.74E-03	6.22E-03	6.85E-03	7.52E-04	1.11E-03	6.55E-04	6.83E-04
586	567252.14	4216924.01	8.81E-03	9.51E-03	7.64E-03	8.41E-03	9.24E-04	1.36E-03	8.05E-04	8.40E-04
587	567229.14	4216862.53	5.93E-03	6.40E-03	5.15E-03	5.67E-03	6.22E-04	9.18E-04	5.42E-04	5.65E-04
588	567221.24	4216857.02	6.01E-03	6.49E-03	5.21E-03	5.74E-03	6.30E-04	9.30E-04	5.49E-04	5.73E-04
589	567213.33	4216851.51	6.04E-03	6.51E-03	5.24E-03	5.76E-03	6.33E-04	9.34E-04	5.51E-04	5.75E-04
590	567205.42	4216845.99	5.97E-03	6.44E-03	5.18E-03	5.70E-03	6.26E-04	9.24E-04	5.45E-04	5.69E-04

591	567197.52	4216840.48	5.84E-03	6.30E-03	5.07E-03	5.58E-03	6.13E-04	9.04E-04	5.33E-04	5.57E-04
592	567189.61	4216834.96	5.65E-03	6.10E-03	4.90E-03	5.40E-03	5.93E-04	8.75E-04	5.16E-04	5.39E-04
593	567181.7	4216829.45	5.42E-03	5.85E-03	4.70E-03	5.17E-03	5.68E-04	8.38E-04	4.95E-04	5.16E-04
594	567173.79	4216823.93	5.14E-03	5.54E-03	4.46E-03	4.91E-03	5.39E-04	7.95E-04	4.69E-04	4.90E-04
595	567165.89	4216818.42	4.82E-03	5.21E-03	4.19E-03	4.61E-03	5.06E-04	7.47E-04	4.41E-04	4.60E-04
596	567142.17	4216801.88	3.80E-03	4.10E-03	3.30E-03	3.63E-03	3.99E-04	5.88E-04	3.47E-04	3.62E-04
597	567134.26	4216796.36	3.47E-03	3.74E-03	3.01E-03	3.31E-03	3.64E-04	5.37E-04	3.17E-04	3.31E-04
598	567126.35	4216790.85	3.16E-03	3.41E-03	2.74E-03	3.01E-03	3.31E-04	4.89E-04	2.88E-04	3.01E-04
599	567252.75	4216875.77	5.30E-03	5.73E-03	4.60E-03	5.07E-03	5.56E-04	8.21E-04	4.84E-04	5.06E-04
600	567257.73	4216883.73	5.42E-03	5.85E-03	4.71E-03	5.18E-03	5.69E-04	8.40E-04	4.95E-04	5.17E-04
601	567262.72	4216891.69	5.49E-03	5.93E-03	4.77E-03	5.25E-03	5.76E-04	8.51E-04	5.02E-04	5.24E-04
602	567265.43	4216908.77	6.19E-03	6.68E-03	5.37E-03	5.91E-03	6.49E-04	9.58E-04	5.65E-04	5.90E-04
603	567263.15	4216917.88	6.95E-03	7.50E-03	6.03E-03	6.64E-03	7.29E-04	1.08E-03	6.35E-04	6.63E-04
604	567260.88	4216927	7.78E-03	8.39E-03	6.75E-03	7.43E-03	8.16E-04	1.20E-03	7.10E-04	7.41E-04
605	567242.77	4216859.85	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.61E-04	4.49E-04	4.69E-04
606	567234.86	4216854.33	4.97E-03	5.37E-03	4.32E-03	4.75E-03	5.22E-04	7.70E-04	4.54E-04	4.74E-04
607	567226.96	4216848.82	5.01E-03	5.41E-03	4.35E-03	4.79E-03	5.26E-04	7.76E-04	4.58E-04	4.78E-04
608	567219.05	4216843.3	5.03E-03	5.43E-03	4.36E-03	4.80E-03	5.28E-04	7.79E-04	4.59E-04	4.79E-04
609	567211.14	4216837.79	4.98E-03	5.38E-03	4.32E-03	4.76E-03	5.23E-04	7.71E-04	4.55E-04	4.75E-04
610	567203.24	4216832.27	4.87E-03	5.26E-03	4.22E-03	4.65E-03	5.11E-04	7.54E-04	4.45E-04	4.64E-04
611	567195.33	4216826.76	4.71E-03	5.09E-03	4.09E-03	4.50E-03	4.94E-04	7.30E-04	4.31E-04	4.49E-04
612	567187.42	4216821.25	4.52E-03	4.88E-03	3.93E-03	4.32E-03	4.75E-04	7.00E-04	4.13E-04	4.31E-04
613	567179.51	4216815.73	4.30E-03	4.64E-03	3.73E-03	4.11E-03	4.51E-04	6.66E-04	3.93E-04	4.10E-04
614	567171.61	4216810.22	4.06E-03	4.39E-03	3.52E-03	3.88E-03	4.26E-04	6.29E-04	3.71E-04	3.87E-04
615	567147.89	4216793.67	3.27E-03	3.53E-03	2.84E-03	3.12E-03	3.43E-04	5.06E-04	2.99E-04	3.12E-04
616	567139.98	4216788.16	3.01E-03	3.25E-03	2.61E-03	2.88E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
617	567132.07	4216782.65	2.77E-03	2.99E-03	2.40E-03	2.64E-03	2.90E-04	4.28E-04	2.53E-04	2.64E-04
618	567263.04	4216874.86	4.66E-03	5.04E-03	4.05E-03	4.46E-03	4.89E-04	7.22E-04	4.26E-04	4.45E-04
619	567272.74	4216890.35	4.78E-03	5.16E-03	4.15E-03	4.57E-03	5.01E-04	7.40E-04	4.37E-04	4.56E-04
620	567275.37	4216906.95	5.32E-03	5.74E-03	4.61E-03	5.08E-03	5.58E-04	8.23E-04	4.86E-04	5.07E-04
621	567273.16	4216915.81	5.89E-03	6.36E-03	5.11E-03	5.63E-03	6.18E-04	9.12E-04	5.38E-04	5.62E-04
622	567268.73	4216933.53	7.19E-03	7.77E-03	6.24E-03	6.87E-03	7.55E-04	1.11E-03	6.57E-04	6.86E-04
623	567248.49	4216851.64	4.22E-03	4.56E-03	3.66E-03	4.03E-03	4.43E-04	6.54E-04	3.86E-04	4.02E-04
624	567240.58	4216846.13	4.26E-03	4.59E-03	3.69E-03	4.06E-03	4.46E-04	6.59E-04	3.89E-04	4.06E-04
625	567232.68	4216840.61	4.28E-03	4.62E-03	3.71E-03	4.08E-03	4.48E-04	6.62E-04	3.91E-04	4.08E-04
626	567224.77	4216835.1	4.29E-03	4.63E-03	3.72E-03	4.10E-03	4.50E-04	6.64E-04	3.92E-04	4.09E-04
627	567216.86	4216829.59	4.23E-03	4.57E-03	3.67E-03	4.04E-03	4.44E-04	6.55E-04	3.87E-04	4.03E-04
628	567208.96	4216824.07	4.14E-03	4.46E-03	3.59E-03	3.95E-03	4.34E-04	6.40E-04	3.78E-04	3.94E-04
629	567201.05	4216818.56	4.01E-03	4.33E-03	3.48E-03	3.83E-03	4.20E-04	6.20E-04	3.66E-04	3.82E-04
630	567193.14	4216813.04	3.85E-03	4.16E-03	3.34E-03	3.68E-03	4.04E-04	5.96E-04	3.52E-04	3.67E-04
631	567185.23	4216807.53	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.50E-04
632	567161.51	4216790.99	3.07E-03	3.31E-03	2.66E-03	2.93E-03	3.22E-04	4.75E-04	2.80E-04	2.93E-04
633	567153.61	4216785.47	2.86E-03	3.08E-03	2.48E-03	2.73E-03	3.00E-04	4.42E-04	2.61E-04	2.72E-04
634	567145.7	4216779.96	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.78E-04	4.10E-04	2.42E-04	2.52E-04
635	567137.79	4216774.44	2.45E-03	2.64E-03	2.13E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.34E-04
636	567258.96	4216851.02	3.81E-03	4.11E-03	3.31E-03	3.64E-03	4.00E-04	5.90E-04	3.48E-04	3.63E-04
637	567273.21	4216873.77	4.11E-03	4.44E-03	3.57E-03	3.93E-03	4.31E-04	6.36E-04	3.76E-04	3.92E-04
638	567282.71	4216888.94	4.20E-03	4.53E-03	3.64E-03	4.01E-03	4.41E-04	6.50E-04	3.84E-04	4.00E-04
639	567285.29	4216905.2	4.63E-03	5.00E-03	4.02E-03	4.43E-03	4.86E-04	7.17E-04	4.23E-04	4.42E-04
640	567283.12	4216913.88	5.08E-03	5.48E-03	4.41E-03	4.85E-03	5.33E-04	7.86E-04	4.64E-04	4.84E-04
641	567278.79	4216931.24	6.10E-03	6.58E-03	5.29E-03	5.82E-03	6.40E-04	9.44E-04	5.57E-04	5.81E-04
642	567246.3	4216837.93	3.70E-03	3.99E-03	3.21E-03	3.53E-03	3.88E-04	5.73E-04	3.38E-04	3.53E-04
643	567238.4	4216832.41	3.71E-03	4.00E-03	3.22E-03	3.54E-03	3.89E-04	5.74E-04	3.39E-04	3.54E-04
644	567230.49	4216826.9	3.71E-03	4.00E-03	3.22E-03	3.54E-03	3.89E-04	5.74E-04	3.39E-04	3.53E-04

645	567222.58	4216821.38	3.65E-03	3.94E-03	3.17E-03	3.49E-03	3.83E-04	5.65E-04	3.33E-04	3.48E-04
646	567214.68	4216815.87	3.57E-03	3.85E-03	3.09E-03	3.41E-03	3.74E-04	5.52E-04	3.26E-04	3.40E-04
647	567206.77	4216810.36	3.46E-03	3.73E-03	3.00E-03	3.30E-03	3.63E-04	5.35E-04	3.16E-04	3.30E-04
648	567198.86	4216804.84	3.33E-03	3.59E-03	2.89E-03	3.18E-03	3.49E-04	5.15E-04	3.04E-04	3.17E-04
649	567175.14	4216788.3	2.87E-03	3.09E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
650	567167.23	4216782.78	2.70E-03	2.91E-03	2.34E-03	2.57E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
651	567159.33	4216777.27	2.52E-03	2.72E-03	2.19E-03	2.41E-03	2.64E-04	3.90E-04	2.30E-04	2.40E-04
652	567151.42	4216771.76	2.35E-03	2.54E-03	2.04E-03	2.25E-03	2.47E-04	3.64E-04	2.15E-04	2.24E-04
653	567143.51	4216766.24	2.19E-03	2.36E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
654	567264.61	4216842.7	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.51E-04	5.17E-04	3.05E-04	3.19E-04
655	567283.31	4216872.56	3.65E-03	3.94E-03	3.17E-03	3.49E-03	3.83E-04	5.65E-04	3.34E-04	3.48E-04
656	567292.66	4216887.49	3.72E-03	4.02E-03	3.23E-03	3.56E-03	3.90E-04	5.76E-04	3.40E-04	3.55E-04
657	567295.2	4216903.5	4.08E-03	4.40E-03	3.54E-03	3.89E-03	4.27E-04	6.31E-04	3.72E-04	3.88E-04
658	567290.93	4216920.59	4.82E-03	5.20E-03	4.18E-03	4.60E-03	5.06E-04	7.46E-04	4.40E-04	4.60E-04
659	567252.02	4216829.72	3.25E-03	3.50E-03	2.82E-03	3.10E-03	3.41E-04	5.03E-04	2.97E-04	3.09E-04
660	567244.12	4216824.21	3.25E-03	3.51E-03	2.82E-03	3.11E-03	3.41E-04	5.03E-04	2.97E-04	3.10E-04
661	567236.21	4216818.7	3.24E-03	3.49E-03	2.81E-03	3.09E-03	3.39E-04	5.01E-04	2.96E-04	3.09E-04
662	567228.3	4216813.18	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
663	567220.4	4216807.67	3.11E-03	3.36E-03	2.70E-03	2.97E-03	3.27E-04	4.82E-04	2.84E-04	2.97E-04
664	567212.49	4216802.15	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
665	567188.77	4216785.61	2.67E-03	2.88E-03	2.31E-03	2.55E-03	2.80E-04	4.13E-04	2.44E-04	2.54E-04
666	567180.86	4216780.1	2.53E-03	2.73E-03	2.20E-03	2.42E-03	2.65E-04	3.92E-04	2.31E-04	2.41E-04
667	567172.95	4216774.58	2.39E-03	2.58E-03	2.07E-03	2.28E-03	2.51E-04	3.70E-04	2.18E-04	2.28E-04
668	567165.05	4216769.07	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.48E-04	2.05E-04	2.14E-04
669	567157.14	4216763.55	2.11E-03	2.27E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.92E-04	2.01E-04
670	567149.23	4216758.04	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
671	567270.27	4216834.41	2.95E-03	3.19E-03	2.56E-03	2.82E-03	3.10E-04	4.57E-04	2.70E-04	2.81E-04
672	567279.51	4216849.15	3.11E-03	3.36E-03	2.70E-03	2.97E-03	3.26E-04	4.82E-04	2.84E-04	2.97E-04
673	567288.74	4216863.9	3.23E-03	3.49E-03	2.80E-03	3.08E-03	3.39E-04	5.00E-04	2.95E-04	3.08E-04
674	567297.98	4216878.64	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.01E-04	3.15E-04
675	567305.11	4216901.82	3.60E-03	3.89E-03	3.13E-03	3.44E-03	3.78E-04	5.58E-04	3.29E-04	3.43E-04
676	567300.89	4216918.7	4.22E-03	4.55E-03	3.66E-03	4.03E-03	4.43E-04	6.53E-04	3.85E-04	4.02E-04
677	567257.74	4216821.52	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.74E-04
678	567249.84	4216816.01	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.74E-04
679	567241.93	4216810.49	2.85E-03	3.08E-03	2.48E-03	2.73E-03	2.99E-04	4.42E-04	2.61E-04	2.72E-04
680	567234.02	4216804.98	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
681	567226.12	4216799.46	2.75E-03	2.97E-03	2.38E-03	2.62E-03	2.88E-04	4.25E-04	2.51E-04	2.62E-04
682	567202.39	4216782.92	2.48E-03	2.67E-03	2.15E-03	2.37E-03	2.60E-04	3.83E-04	2.26E-04	2.36E-04
683	567194.49	4216777.41	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.49E-04	3.67E-04	2.16E-04	2.26E-04
684	567186.58	4216771.89	2.26E-03	2.44E-03	1.96E-03	2.15E-03	2.37E-04	3.49E-04	2.06E-04	2.15E-04
685	567178.67	4216766.38	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
686	567170.77	4216760.86	2.02E-03	2.18E-03	1.75E-03	1.93E-03	2.12E-04	3.13E-04	1.85E-04	1.93E-04
687	567162.86	4216755.35	1.90E-03	2.05E-03	1.65E-03	1.82E-03	2.00E-04	2.95E-04	1.74E-04	1.81E-04
688	567154.95	4216749.84	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.64E-04	1.71E-04
689	567276.45	4216826.94	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.09E-04	2.41E-04	2.52E-04
690	567281.53	4216835.05	2.72E-03	2.94E-03	2.36E-03	2.60E-03	2.85E-04	4.21E-04	2.49E-04	2.59E-04
691	567286.61	4216843.16	2.79E-03	3.01E-03	2.42E-03	2.67E-03	2.93E-04	4.32E-04	2.55E-04	2.66E-04
692	567296.77	4216859.38	2.90E-03	3.13E-03	2.52E-03	2.77E-03	3.04E-04	4.49E-04	2.65E-04	2.76E-04
693	567301.85	4216867.49	2.94E-03	3.17E-03	2.55E-03	2.81E-03	3.08E-04	4.55E-04	2.68E-04	2.80E-04
694	567306.93	4216875.6	2.96E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.82E-04
695	567312.01	4216883.71	2.98E-03	3.22E-03	2.58E-03	2.85E-03	3.12E-04	4.61E-04	2.72E-04	2.84E-04
696	567314.77	4216901.1	3.24E-03	3.50E-03	2.81E-03	3.09E-03	3.40E-04	5.01E-04	2.96E-04	3.09E-04
697	567312.45	4216910.38	3.52E-03	3.80E-03	3.05E-03	3.36E-03	3.69E-04	5.44E-04	3.21E-04	3.35E-04
698	567310.13	4216919.66	3.82E-03	4.12E-03	3.31E-03	3.65E-03	4.01E-04	5.91E-04	3.49E-04	3.64E-04

699	567303.18	4216947.52	4.86E-03	5.25E-03	4.22E-03	4.65E-03	5.10E-04	7.53E-04	4.44E-04	4.64E-04
700	567271.37	4216818.83	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.67E-04	3.95E-04	2.33E-04	2.43E-04
701	567263.46	4216813.32	2.56E-03	2.76E-03	2.22E-03	2.44E-03	2.68E-04	3.96E-04	2.34E-04	2.44E-04
702	567255.56	4216807.81	2.55E-03	2.75E-03	2.21E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
703	567247.65	4216802.29	2.53E-03	2.73E-03	2.20E-03	2.42E-03	2.66E-04	3.92E-04	2.31E-04	2.41E-04
704	567239.74	4216796.78	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.62E-04	3.87E-04	2.28E-04	2.38E-04
705	567216.02	4216780.23	2.30E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.56E-04	2.10E-04	2.19E-04
706	567208.11	4216774.72	2.22E-03	2.39E-03	1.92E-03	2.12E-03	2.32E-04	3.43E-04	2.02E-04	2.11E-04
707	567200.21	4216769.21	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.02E-04
708	567192.3	4216763.69	2.03E-03	2.19E-03	1.76E-03	1.94E-03	2.13E-04	3.14E-04	1.85E-04	1.93E-04
709	567184.39	4216758.18	1.93E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.99E-04	1.76E-04	1.84E-04
710	567176.49	4216752.66	1.83E-03	1.97E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
711	567168.58	4216747.15	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
712	567160.67	4216741.63	1.64E-03	1.77E-03	1.42E-03	1.56E-03	1.72E-04	2.53E-04	1.49E-04	1.56E-04
713	567282.08	4216818.59	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.48E-04	3.67E-04	2.16E-04	2.26E-04
714	567287.07	4216826.55	2.44E-03	2.63E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
715	567292.05	4216834.52	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.63E-04	3.87E-04	2.29E-04	2.39E-04
716	567297.04	4216842.48	2.56E-03	2.76E-03	2.22E-03	2.44E-03	2.68E-04	3.96E-04	2.34E-04	2.44E-04
717	567307.02	4216858.4	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.08E-04	2.41E-04	2.51E-04
718	567312	4216866.36	2.66E-03	2.87E-03	2.31E-03	2.54E-03	2.79E-04	4.12E-04	2.43E-04	2.54E-04
719	567316.99	4216874.32	2.68E-03	2.89E-03	2.33E-03	2.56E-03	2.81E-04	4.15E-04	2.45E-04	2.56E-04
720	567321.98	4216882.29	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.82E-04	4.17E-04	2.46E-04	2.57E-04
721	567324.69	4216899.36	2.90E-03	3.14E-03	2.52E-03	2.77E-03	3.05E-04	4.50E-04	2.65E-04	2.77E-04
722	567322.41	4216908.48	3.14E-03	3.38E-03	2.72E-03	2.99E-03	3.29E-04	4.85E-04	2.86E-04	2.99E-04
723	567320.14	4216917.59	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.55E-04	5.24E-04	3.09E-04	3.23E-04
724	567313.31	4216944.93	4.26E-03	4.60E-03	3.69E-03	4.07E-03	4.47E-04	6.59E-04	3.89E-04	4.06E-04
725	567311.03	4216954.05	4.57E-03	4.93E-03	3.97E-03	4.37E-03	4.79E-04	7.08E-04	4.18E-04	4.36E-04
726	567277.09	4216810.63	2.29E-03	2.47E-03	1.99E-03	2.19E-03	2.40E-04	3.55E-04	2.09E-04	2.18E-04
727	567269.19	4216805.12	2.29E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.09E-04	2.19E-04
728	567261.28	4216799.6	2.29E-03	2.47E-03	1.98E-03	2.18E-03	2.40E-04	3.54E-04	2.09E-04	2.18E-04
729	567253.37	4216794.09	2.27E-03	2.45E-03	1.97E-03	2.16E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
730	567245.46	4216788.57	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.46E-04	2.04E-04	2.13E-04
731	567221.74	4216772.03	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.97E-04
732	567213.84	4216766.52	2.00E-03	2.16E-03	1.73E-03	1.91E-03	2.10E-04	3.09E-04	1.82E-04	1.90E-04
733	567205.93	4216761	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
734	567198.02	4216755.49	1.84E-03	1.98E-03	1.59E-03	1.75E-03	1.93E-04	2.84E-04	1.68E-04	1.75E-04
735	567190.11	4216749.97	1.75E-03	1.89E-03	1.52E-03	1.67E-03	1.84E-04	2.71E-04	1.60E-04	1.67E-04
736	567182.21	4216744.46	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.52E-04	1.59E-04
737	567174.3	4216738.95	1.58E-03	1.71E-03	1.37E-03	1.51E-03	1.66E-04	2.45E-04	1.44E-04	1.51E-04
738	567166.39	4216733.43	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
739	567287.72	4216810.27	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
740	567297.55	4216825.95	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.49E-04	2.06E-04	2.15E-04
741	567302.46	4216833.79	2.31E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.57E-04	2.11E-04	2.20E-04
742	567317.2	4216857.32	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.53E-04	3.73E-04	2.20E-04	2.29E-04
743	567327.02	4216873	2.44E-03	2.63E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.32E-04
744	567331.93	4216880.84	2.45E-03	2.64E-03	2.12E-03	2.34E-03	2.56E-04	3.79E-04	2.23E-04	2.33E-04
745	567334.6	4216897.66	2.62E-03	2.83E-03	2.27E-03	2.50E-03	2.75E-04	4.06E-04	2.39E-04	2.50E-04
746	567332.36	4216906.63	2.81E-03	3.04E-03	2.44E-03	2.69E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
747	567330.12	4216915.61	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
748	567323.39	4216942.54	3.76E-03	4.06E-03	3.26E-03	3.59E-03	3.94E-04	5.82E-04	3.44E-04	3.58E-04
749	567321.15	4216951.51	4.02E-03	4.34E-03	3.49E-03	3.84E-03	4.22E-04	6.23E-04	3.68E-04	3.84E-04
750	567282.81	4216802.43	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.97E-04
751	567274.91	4216796.91	2.07E-03	2.23E-03	1.80E-03	1.98E-03	2.17E-04	3.20E-04	1.89E-04	1.97E-04
752	567267	4216791.4	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04

753	567259.09	4216785.89	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
754	567235.37	4216769.34	1.93E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	2.99E-04	1.77E-04	1.84E-04
755	567227.46	4216763.83	1.88E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
756	567219.56	4216758.31	1.81E-03	1.96E-03	1.57E-03	1.73E-03	1.90E-04	2.80E-04	1.65E-04	1.73E-04
757	567211.65	4216752.8	1.74E-03	1.88E-03	1.51E-03	1.67E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
758	567203.74	4216747.29	1.67E-03	1.81E-03	1.45E-03	1.60E-03	1.75E-04	2.59E-04	1.53E-04	1.59E-04
759	567195.83	4216741.77	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.52E-04
760	567187.93	4216736.26	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
761	567180.02	4216730.74	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.33E-04	1.38E-04
762	567172.11	4216725.23	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
763	567293.38	4216801.97	1.94E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.78E-04	1.85E-04
764	567303.08	4216817.45	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
765	567312.78	4216832.93	2.13E-03	2.30E-03	1.85E-03	2.04E-03	2.24E-04	3.30E-04	1.95E-04	2.03E-04
766	567332.17	4216863.89	2.22E-03	2.40E-03	1.93E-03	2.12E-03	2.33E-04	3.44E-04	2.03E-04	2.12E-04
767	567341.87	4216879.37	2.23E-03	2.41E-03	1.94E-03	2.13E-03	2.34E-04	3.46E-04	2.04E-04	2.13E-04
768	567344.51	4216895.97	2.38E-03	2.57E-03	2.06E-03	2.27E-03	2.50E-04	3.68E-04	2.17E-04	2.27E-04
769	567342.29	4216904.83	2.54E-03	2.74E-03	2.20E-03	2.43E-03	2.67E-04	3.93E-04	2.32E-04	2.42E-04
770	567333.44	4216940.28	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.50E-04	5.17E-04	3.05E-04	3.18E-04
771	567329.01	4216958	3.80E-03	4.11E-03	3.30E-03	3.63E-03	3.99E-04	5.89E-04	3.47E-04	3.63E-04
772	567288.53	4216794.23	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.98E-04	2.92E-04	1.72E-04	1.80E-04
773	567280.63	4216788.71	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
774	567272.72	4216783.2	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
775	567249	4216766.65	1.80E-03	1.94E-03	1.56E-03	1.72E-03	1.89E-04	2.79E-04	1.65E-04	1.72E-04
776	567241.09	4216761.14	1.76E-03	1.90E-03	1.52E-03	1.68E-03	1.84E-04	2.72E-04	1.61E-04	1.67E-04
777	567233.18	4216755.63	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
778	567225.28	4216750.11	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
779	567217.37	4216744.6	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.47E-04	1.45E-04	1.52E-04
780	567209.46	4216739.08	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
781	567201.55	4216733.57	1.47E-03	1.58E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
782	567193.65	4216728.05	1.40E-03	1.52E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
783	567185.74	4216722.54	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
784	567177.83	4216717.03	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
785	567299.05	4216793.68	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
786	567303.84	4216801.33	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.66E-04	1.74E-04
787	567313.44	4216816.65	1.91E-03	2.06E-03	1.66E-03	1.82E-03	2.00E-04	2.96E-04	1.74E-04	1.82E-04
788	567318.23	4216824.3	1.94E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.78E-04	1.85E-04
789	567342.21	4216862.58	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.86E-04	1.95E-04
790	567351.8	4216877.89	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
791	567354.41	4216894.31	2.17E-03	2.34E-03	1.88E-03	2.07E-03	2.28E-04	3.36E-04	1.98E-04	2.07E-04
792	567350.03	4216911.84	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.80E-04	2.24E-04	2.34E-04
793	567341.27	4216946.89	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
794	567336.89	4216964.42	3.60E-03	3.89E-03	3.12E-03	3.44E-03	3.78E-04	5.57E-04	3.29E-04	3.43E-04
795	567286.35	4216780.51	1.72E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.66E-04	1.57E-04	1.64E-04
796	567262.62	4216763.97	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.52E-04	1.59E-04
797	567254.72	4216758.45	1.64E-03	1.77E-03	1.42E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.56E-04
798	567246.81	4216752.94	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.49E-04	1.47E-04	1.53E-04
799	567238.9	4216747.42	1.56E-03	1.69E-03	1.36E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
800	567231	4216741.91	1.51E-03	1.63E-03	1.31E-03	1.45E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
801	567223.09	4216736.4	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.34E-04	1.39E-04
802	567215.18	4216730.88	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
803	567207.27	4216725.37	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.24E-04	1.29E-04
804	567199.37	4216719.85	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
805	567191.46	4216714.34	1.24E-03	1.34E-03	1.08E-03	1.19E-03	1.30E-04	1.92E-04	1.14E-04	1.19E-04
806	567305.09	4216785.99	1.63E-03	1.76E-03	1.41E-03	1.55E-03	1.71E-04	2.52E-04	1.49E-04	1.55E-04

807	567310.2	4216794.15	1.67E-03	1.81E-03	1.45E-03	1.60E-03	1.76E-04	2.59E-04	1.53E-04	1.60E-04
808	567315.32	4216802.32	1.72E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.66E-04	1.57E-04	1.64E-04
809	567320.43	4216810.48	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.84E-04	2.72E-04	1.61E-04	1.68E-04
810	567325.55	4216818.65	1.79E-03	1.94E-03	1.56E-03	1.71E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04
811	567330.66	4216826.82	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.66E-04	1.74E-04
812	567335.78	4216834.98	1.84E-03	1.99E-03	1.60E-03	1.76E-03	1.93E-04	2.85E-04	1.68E-04	1.76E-04
813	567346.01	4216851.31	1.87E-03	2.02E-03	1.63E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.79E-04
814	567351.13	4216859.48	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
815	567361.8	4216902.67	2.13E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.03E-04
816	567354.8	4216930.72	2.59E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.46E-04
817	567352.46	4216940.07	2.76E-03	2.98E-03	2.40E-03	2.64E-03	2.90E-04	4.28E-04	2.53E-04	2.64E-04
818	567350.13	4216949.41	2.96E-03	3.19E-03	2.56E-03	2.82E-03	3.10E-04	4.57E-04	2.70E-04	2.82E-04
819	567347.79	4216958.76	3.15E-03	3.40E-03	2.74E-03	3.01E-03	3.31E-04	4.88E-04	2.88E-04	3.01E-04
820	567345.46	4216968.11	3.35E-03	3.62E-03	2.91E-03	3.20E-03	3.52E-04	5.19E-04	3.06E-04	3.20E-04
821	567299.97	4216777.82	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.66E-04	2.44E-04	1.44E-04	1.50E-04
822	567276.25	4216761.28	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.39E-04	1.41E-04	1.47E-04
823	567268.34	4216755.76	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
824	567260.44	4216750.25	1.50E-03	1.62E-03	1.30E-03	1.44E-03	1.58E-04	2.33E-04	1.37E-04	1.43E-04
825	567252.53	4216744.74	1.48E-03	1.59E-03	1.28E-03	1.41E-03	1.55E-04	2.28E-04	1.35E-04	1.41E-04
826	567244.62	4216739.22	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
827	567236.72	4216733.71	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.16E-04	1.27E-04	1.33E-04
828	567228.81	4216728.19	1.35E-03	1.45E-03	1.17E-03	1.29E-03	1.41E-04	2.09E-04	1.23E-04	1.28E-04
829	567220.9	4216722.68	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
830	567212.99	4216717.16	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
831	567205.09	4216711.65	1.20E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
832	567310.74	4216777.68	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
833	567315.79	4216785.73	1.54E-03	1.66E-03	1.33E-03	1.47E-03	1.61E-04	2.38E-04	1.40E-04	1.47E-04
834	567320.83	4216793.79	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.65E-04	2.44E-04	1.44E-04	1.50E-04
835	567325.88	4216801.84	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
836	567330.93	4216809.9	1.65E-03	1.78E-03	1.43E-03	1.57E-03	1.73E-04	2.55E-04	1.50E-04	1.57E-04
837	567335.97	4216817.96	1.68E-03	1.81E-03	1.45E-03	1.60E-03	1.76E-04	2.59E-04	1.53E-04	1.60E-04
838	567371.3	4216874.35	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.83E-04	2.69E-04	1.59E-04	1.66E-04
839	567364.83	4216928.52	2.34E-03	2.53E-03	2.03E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.23E-04
840	567362.52	4216937.75	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.62E-04	3.87E-04	2.28E-04	2.38E-04
841	567360.22	4216946.97	2.66E-03	2.87E-03	2.31E-03	2.54E-03	2.79E-04	4.12E-04	2.43E-04	2.53E-04
842	567357.92	4216956.19	2.83E-03	3.06E-03	2.46E-03	2.70E-03	2.97E-04	4.38E-04	2.59E-04	2.70E-04
843	567355.61	4216965.42	3.01E-03	3.25E-03	2.61E-03	2.87E-03	3.16E-04	4.66E-04	2.75E-04	2.87E-04
844	567289.88	4216758.59	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
845	567281.97	4216753.08	1.42E-03	1.54E-03	1.24E-03	1.36E-03	1.49E-04	2.20E-04	1.30E-04	1.36E-04
846	567274.06	4216747.56	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.47E-04	2.18E-04	1.28E-04	1.34E-04
847	567266.16	4216742.05	1.39E-03	1.50E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.27E-04	1.32E-04
848	567258.25	4216736.53	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
849	567250.34	4216731.02	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
850	567242.44	4216725.5	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
851	567234.53	4216719.99	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
852	567226.62	4216714.48	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.87E-04	1.10E-04	1.15E-04
853	567218.71	4216708.96	1.16E-03	1.26E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
854	567316.4	4216769.38	1.39E-03	1.50E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.27E-04	1.32E-04
855	567321.39	4216777.34	1.42E-03	1.53E-03	1.23E-03	1.36E-03	1.49E-04	2.20E-04	1.30E-04	1.35E-04
856	567326.38	4216785.3	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.53E-04	2.25E-04	1.33E-04	1.39E-04
857	567366.27	4216848.99	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
858	567371.26	4216856.96	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
859	567376.25	4216864.92	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
860	567381.24	4216872.88	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04

861	567383.95	4216889.95	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.62E-04	1.55E-04	1.61E-04
862	567381.67	4216899.07	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.63E-04	1.70E-04
863	567374.84	4216926.41	2.14E-03	2.30E-03	1.85E-03	2.04E-03	2.24E-04	3.30E-04	1.95E-04	2.04E-04
864	567372.56	4216935.53	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
865	567370.29	4216944.64	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.52E-04	3.73E-04	2.20E-04	2.29E-04
866	567368.01	4216953.76	2.55E-03	2.76E-03	2.22E-03	2.44E-03	2.68E-04	3.95E-04	2.33E-04	2.43E-04
867	567365.73	4216962.87	2.71E-03	2.92E-03	2.35E-03	2.59E-03	2.84E-04	4.19E-04	2.47E-04	2.58E-04
868	567363.46	4216971.99	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
869	567358.9	4216990.22	3.19E-03	3.44E-03	2.77E-03	3.05E-03	3.35E-04	4.94E-04	2.91E-04	3.04E-04
870	567356.63	4216999.33	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.51E-04	5.17E-04	3.05E-04	3.19E-04
871	567295.6	4216750.39	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
872	567287.69	4216744.87	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.25E-04
873	567279.78	4216739.36	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
874	567271.88	4216733.85	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
875	567263.97	4216728.33	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
876	567256.06	4216722.82	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
877	567248.16	4216717.3	1.19E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
878	567240.25	4216711.79	1.16E-03	1.25E-03	1.00E-03	1.11E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
879	567232.34	4216706.27	1.12E-03	1.21E-03	9.73E-04	1.07E-03	1.18E-04	1.73E-04	1.02E-04	1.07E-04
880	567351.68	4216808.36	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.33E-04	1.39E-04
881	567361.55	4216824.12	1.48E-03	1.60E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
882	567376.36	4216847.76	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
883	567386.23	4216863.52	1.50E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.37E-04	1.43E-04
884	567391.17	4216871.39	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.37E-04	1.42E-04
885	567393.85	4216888.29	1.57E-03	1.69E-03	1.36E-03	1.50E-03	1.65E-04	2.43E-04	1.43E-04	1.50E-04
886	567391.59	4216897.31	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
887	567384.84	4216924.37	1.95E-03	2.11E-03	1.69E-03	1.87E-03	2.05E-04	3.02E-04	1.78E-04	1.86E-04
888	567382.58	4216933.39	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.97E-04
889	567380.33	4216942.41	2.19E-03	2.37E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
890	567378.08	4216951.43	2.32E-03	2.50E-03	2.01E-03	2.21E-03	2.43E-04	3.59E-04	2.12E-04	2.21E-04
891	567375.82	4216960.45	2.45E-03	2.64E-03	2.12E-03	2.34E-03	2.57E-04	3.79E-04	2.24E-04	2.33E-04
892	567373.57	4216969.47	2.59E-03	2.79E-03	2.25E-03	2.47E-03	2.72E-04	4.01E-04	2.36E-04	2.47E-04
893	567371.32	4216978.49	2.73E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.61E-04
894	567366.81	4216996.53	3.02E-03	3.26E-03	2.62E-03	2.89E-03	3.17E-04	4.68E-04	2.76E-04	2.88E-04
895	567364.56	4217005.55	3.16E-03	3.41E-03	2.74E-03	3.02E-03	3.31E-04	4.89E-04	2.88E-04	3.01E-04
896	567362.31	4217014.57	3.28E-03	3.54E-03	2.85E-03	3.13E-03	3.44E-04	5.08E-04	3.00E-04	3.13E-04
897	567309.23	4216747.7	1.25E-03	1.34E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
898	567301.32	4216742.19	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
899	567293.41	4216736.67	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
900	567285.51	4216731.16	1.20E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
901	567277.6	4216725.64	1.19E-03	1.28E-03	1.03E-03	1.13E-03	1.25E-04	1.84E-04	1.08E-04	1.13E-04
902	567269.69	4216720.13	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
903	567261.78	4216714.61	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
904	567253.88	4216709.1	1.11E-03	1.20E-03	9.64E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
905	567245.97	4216703.59	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.86E-05	1.03E-04
906	567238.06	4216698.07	1.05E-03	1.13E-03	9.08E-04	9.99E-04	1.10E-04	1.62E-04	9.56E-05	9.97E-05
907	567347.3	4216784.04	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
908	567352.19	4216791.84	1.33E-03	1.44E-03	1.16E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
909	567361.97	4216807.46	1.37E-03	1.47E-03	1.19E-03	1.30E-03	1.43E-04	2.11E-04	1.25E-04	1.30E-04
910	567366.86	4216815.26	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
911	567386.42	4216846.48	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.33E-04
912	567391.31	4216854.29	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.16E-04	1.27E-04	1.33E-04
913	567401.09	4216869.9	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.33E-04
914	567403.74	4216886.64	1.46E-03	1.57E-03	1.27E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04

915	567401.51	4216895.58	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
916	567394.82	4216922.38	1.80E-03	1.94E-03	1.56E-03	1.72E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04
917	567392.58	4216931.32	1.90E-03	2.05E-03	1.65E-03	1.81E-03	1.99E-04	2.94E-04	1.73E-04	1.81E-04
918	567390.35	4216940.26	2.01E-03	2.16E-03	1.74E-03	1.92E-03	2.10E-04	3.10E-04	1.83E-04	1.91E-04
919	567385.89	4216958.13	2.23E-03	2.40E-03	1.93E-03	2.13E-03	2.34E-04	3.45E-04	2.03E-04	2.12E-04
920	567383.66	4216967.06	2.34E-03	2.53E-03	2.03E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.23E-04
921	567381.42	4216976	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
922	567374.73	4217002.81	2.87E-03	3.09E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
923	567314.95	4216739.5	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
924	567307.04	4216733.98	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
925	567299.13	4216728.47	1.14E-03	1.23E-03	9.86E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
926	567291.23	4216722.95	1.12E-03	1.21E-03	9.73E-04	1.07E-03	1.18E-04	1.74E-04	1.02E-04	1.07E-04
927	567283.32	4216717.44	1.11E-03	1.20E-03	9.61E-04	1.06E-03	1.16E-04	1.71E-04	1.01E-04	1.06E-04
928	567275.41	4216711.93	1.09E-03	1.18E-03	9.46E-04	1.04E-03	1.14E-04	1.69E-04	9.95E-05	1.04E-04
929	567267.5	4216706.41	1.06E-03	1.15E-03	9.24E-04	1.02E-03	1.12E-04	1.65E-04	9.73E-05	1.02E-04
930	567259.6	4216700.9	1.04E-03	1.12E-03	9.00E-04	9.91E-04	1.09E-04	1.61E-04	9.48E-05	9.89E-05
931	567251.69	4216695.38	1.01E-03	1.09E-03	8.76E-04	9.64E-04	1.06E-04	1.56E-04	9.22E-05	9.62E-05
932	567220.06	4216673.33	8.89E-04	9.59E-04	7.71E-04	8.49E-04	9.32E-05	1.38E-04	8.12E-05	8.47E-05
933	567212.15	4216667.81	8.59E-04	9.27E-04	7.45E-04	8.21E-04	9.01E-05	1.33E-04	7.85E-05	8.19E-05
934	567347.97	4216767.77	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.26E-04	1.85E-04	1.09E-04	1.14E-04
935	567357.67	4216783.25	1.24E-03	1.34E-03	1.08E-03	1.19E-03	1.30E-04	1.92E-04	1.13E-04	1.18E-04
936	567367.36	4216798.73	1.27E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.97E-04	1.16E-04	1.21E-04
937	567372.21	4216806.47	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
938	567381.91	4216821.95	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
939	567391.61	4216837.43	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
940	567401.31	4216852.92	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
941	567411	4216868.4	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
942	567413.64	4216885	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.10E-04	1.24E-04	1.29E-04
943	567411.43	4216893.86	1.43E-03	1.54E-03	1.24E-03	1.36E-03	1.49E-04	2.21E-04	1.30E-04	1.36E-04
944	567404.79	4216920.44	1.66E-03	1.79E-03	1.44E-03	1.58E-03	1.74E-04	2.57E-04	1.51E-04	1.58E-04
945	567402.57	4216929.31	1.75E-03	1.89E-03	1.52E-03	1.67E-03	1.83E-04	2.71E-04	1.60E-04	1.67E-04
946	567398.15	4216947.03	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
947	567395.93	4216955.89	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.15E-04	1.86E-04	1.94E-04
948	567393.72	4216964.75	2.14E-03	2.31E-03	1.86E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
949	567389.29	4216982.47	2.37E-03	2.56E-03	2.06E-03	2.26E-03	2.48E-04	3.67E-04	2.16E-04	2.26E-04
950	567382.65	4217009.06	2.72E-03	2.93E-03	2.36E-03	2.59E-03	2.85E-04	4.20E-04	2.48E-04	2.59E-04
951	567380.44	4217017.92	2.82E-03	3.05E-03	2.45E-03	2.70E-03	2.96E-04	4.37E-04	2.58E-04	2.69E-04
952	567304.85	4216720.27	1.06E-03	1.15E-03	9.22E-04	1.02E-03	1.12E-04	1.65E-04	9.71E-05	1.01E-04
953	567296.95	4216714.75	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.62E-04	9.59E-05	1.00E-04
954	567289.04	4216709.24	1.04E-03	1.12E-03	8.99E-04	9.90E-04	1.09E-04	1.60E-04	9.46E-05	9.87E-05
955	567281.13	4216703.72	1.02E-03	1.10E-03	8.84E-04	9.73E-04	1.07E-04	1.58E-04	9.30E-05	9.71E-05
956	567273.22	4216698.21	9.96E-04	1.08E-03	8.64E-04	9.51E-04	1.04E-04	1.54E-04	9.10E-05	9.49E-05
957	567265.32	4216692.7	9.71E-04	1.05E-03	8.43E-04	9.28E-04	1.02E-04	1.50E-04	8.87E-05	9.26E-05
958	567233.69	4216670.64	8.63E-04	9.32E-04	7.49E-04	8.25E-04	9.06E-05	1.34E-04	7.89E-05	8.23E-05
959	567225.78	4216665.12	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.29E-04	7.64E-05	7.97E-05
960	567217.87	4216659.61	8.10E-04	8.75E-04	7.03E-04	7.74E-04	8.50E-05	1.25E-04	7.40E-05	7.72E-05
961	567339.37	4216736.72	1.05E-03	1.13E-03	9.10E-04	1.00E-03	1.10E-04	1.62E-04	9.58E-05	1.00E-04
962	567344.45	4216744.83	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.66E-04	9.83E-05	1.03E-04
963	567354.61	4216761.04	1.13E-03	1.21E-03	9.76E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
964	567359.69	4216769.15	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
965	567364.77	4216777.26	1.17E-03	1.26E-03	1.01E-03	1.11E-03	1.22E-04	1.81E-04	1.07E-04	1.11E-04
966	567369.85	4216785.37	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
967	567374.93	4216793.48	1.20E-03	1.30E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
968	567380.01	4216801.59	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.87E-04	1.11E-04	1.15E-04

969	567385.09	4216809.7	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
970	567390.17	4216817.81	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
971	567400.33	4216834.02	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
972	567405.41	4216842.13	1.22E-03	1.32E-03	1.06E-03	1.16E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
973	567410.49	4216850.24	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
974	567415.57	4216858.35	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
975	567420.65	4216866.46	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
976	567423.41	4216883.85	1.27E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.97E-04	1.16E-04	1.21E-04
977	567421.09	4216893.14	1.34E-03	1.44E-03	1.16E-03	1.28E-03	1.40E-04	2.07E-04	1.22E-04	1.27E-04
978	567414.14	4216920.99	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
979	567411.82	4216930.27	1.64E-03	1.77E-03	1.43E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.57E-04
980	567409.5	4216939.55	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.82E-04	2.68E-04	1.58E-04	1.65E-04
981	567407.18	4216948.84	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.66E-04	1.74E-04
982	567404.86	4216958.12	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
983	567402.54	4216967.4	2.01E-03	2.17E-03	1.75E-03	1.92E-03	2.11E-04	3.12E-04	1.84E-04	1.92E-04
984	567400.22	4216976.69	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.02E-04
985	567393.27	4217004.54	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.81E-04	2.25E-04	2.34E-04
986	567390.95	4217013.82	2.57E-03	2.77E-03	2.23E-03	2.45E-03	2.69E-04	3.97E-04	2.34E-04	2.45E-04
987	567334.29	4216728.61	1.02E-03	1.10E-03	8.86E-04	9.76E-04	1.07E-04	1.58E-04	9.33E-05	9.73E-05
988	567302.67	4216706.55	9.86E-04	1.06E-03	8.55E-04	9.42E-04	1.03E-04	1.53E-04	9.00E-05	9.40E-05
989	567294.76	4216701.04	9.73E-04	1.05E-03	8.44E-04	9.29E-04	1.02E-04	1.51E-04	8.88E-05	9.27E-05
990	567286.85	4216695.52	9.54E-04	1.03E-03	8.28E-04	9.12E-04	1.00E-04	1.48E-04	8.72E-05	9.10E-05
991	567278.94	4216690.01	9.34E-04	1.01E-03	8.10E-04	8.92E-04	9.79E-05	1.45E-04	8.53E-05	8.90E-05
992	567247.32	4216667.95	8.39E-04	9.05E-04	7.28E-04	8.01E-04	8.80E-05	1.30E-04	7.66E-05	7.99E-05
993	567239.41	4216662.44	8.14E-04	8.79E-04	7.06E-04	7.78E-04	8.54E-05	1.26E-04	7.44E-05	7.76E-05
994	567231.5	4216656.92	7.90E-04	8.53E-04	6.85E-04	7.55E-04	8.29E-05	1.22E-04	7.22E-05	7.53E-05
995	567223.59	4216651.41	7.66E-04	8.27E-04	6.65E-04	7.32E-04	8.03E-05	1.19E-04	7.00E-05	7.30E-05
996	567345.05	4216728.44	9.83E-04	1.06E-03	8.53E-04	9.39E-04	1.03E-04	1.52E-04	8.98E-05	9.37E-05
997	567350.08	4216736.47	1.01E-03	1.09E-03	8.75E-04	9.63E-04	1.06E-04	1.56E-04	9.21E-05	9.61E-05
998	567365.17	4216760.56	1.07E-03	1.16E-03	9.32E-04	1.03E-03	1.13E-04	1.66E-04	9.81E-05	1.02E-04
999	567370.2	4216768.59	1.09E-03	1.18E-03	9.48E-04	1.04E-03	1.15E-04	1.69E-04	9.98E-05	1.04E-04
1000	567375.23	4216776.62	1.11E-03	1.20E-03	9.62E-04	1.06E-03	1.16E-04	1.72E-04	1.01E-04	1.06E-04
1001	567380.26	4216784.66	1.13E-03	1.22E-03	9.79E-04	1.08E-03	1.18E-04	1.75E-04	1.03E-04	1.08E-04
1002	567385.29	4216792.69	1.14E-03	1.23E-03	9.86E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1003	567390.33	4216800.72	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
1004	567395.36	4216808.75	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1005	567400.39	4216816.78	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1006	567410.45	4216832.84	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
1007	567415.48	4216840.88	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1008	567420.51	4216848.91	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1009	567425.54	4216856.94	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1010	567430.57	4216864.97	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1011	567433.31	4216882.2	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
1012	567431.01	4216891.39	1.25E-03	1.35E-03	1.09E-03	1.19E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
1013	567428.72	4216900.59	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
1014	567424.12	4216918.97	1.45E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
1015	567421.83	4216928.17	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
1016	567419.53	4216937.36	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
1017	567417.23	4216946.56	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
1018	567414.94	4216955.75	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1019	567412.64	4216964.95	1.85E-03	2.00E-03	1.60E-03	1.77E-03	1.94E-04	2.86E-04	1.69E-04	1.76E-04
1020	567410.34	4216974.14	1.95E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.78E-04	1.85E-04
1021	567408.05	4216983.34	2.05E-03	2.21E-03	1.78E-03	1.95E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
1022	567401.16	4217010.92	2.35E-03	2.53E-03	2.04E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.24E-04

1023	567398.86	4217020.12	2.44E-03	2.64E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
1024	567340.01	4216720.4	9.59E-04	1.04E-03	8.32E-04	9.16E-04	1.01E-04	1.48E-04	8.76E-05	9.14E-05
1025	567332.11	4216714.89	9.55E-04	1.03E-03	8.28E-04	9.12E-04	1.00E-04	1.48E-04	8.72E-05	9.10E-05
1026	567324.2	4216709.38	9.48E-04	1.02E-03	8.23E-04	9.06E-04	9.95E-05	1.47E-04	8.66E-05	9.04E-05
1027	567300.48	4216692.83	9.14E-04	9.87E-04	7.93E-04	8.73E-04	9.59E-05	1.41E-04	8.35E-05	8.71E-05
1028	567292.57	4216687.32	8.97E-04	9.68E-04	7.78E-04	8.56E-04	9.40E-05	1.39E-04	8.19E-05	8.55E-05
1029	567260.94	4216665.26	8.14E-04	8.78E-04	7.06E-04	7.77E-04	8.53E-05	1.26E-04	7.43E-05	7.75E-05
1030	567253.04	4216659.75	7.92E-04	8.54E-04	6.87E-04	7.56E-04	8.30E-05	1.23E-04	7.23E-05	7.54E-05
1031	567245.13	4216654.23	7.69E-04	8.31E-04	6.68E-04	7.35E-04	8.07E-05	1.19E-04	7.03E-05	7.33E-05
1032	567237.22	4216648.72	7.47E-04	8.07E-04	6.49E-04	7.14E-04	7.84E-05	1.16E-04	6.83E-05	7.12E-05
1033	567229.31	4216643.2	7.26E-04	7.83E-04	6.30E-04	6.93E-04	7.61E-05	1.12E-04	6.63E-05	6.92E-05
1034	567350.72	4216720.16	9.25E-04	9.99E-04	8.03E-04	8.84E-04	9.70E-05	1.43E-04	8.45E-05	8.82E-05
1035	567355.71	4216728.13	9.47E-04	1.02E-03	8.21E-04	9.04E-04	9.93E-05	1.47E-04	8.65E-05	9.02E-05
1036	567360.7	4216736.09	9.69E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.85E-05	9.23E-05
1037	567370.67	4216752.01	1.01E-03	1.09E-03	8.75E-04	9.63E-04	1.06E-04	1.56E-04	9.21E-05	9.61E-05
1038	567375.66	4216759.97	1.03E-03	1.11E-03	8.90E-04	9.80E-04	1.08E-04	1.59E-04	9.37E-05	9.78E-05
1039	567380.65	4216767.93	1.05E-03	1.13E-03	9.08E-04	1.00E-03	1.10E-04	1.62E-04	9.56E-05	9.98E-05
1040	567385.63	4216775.89	1.06E-03	1.14E-03	9.19E-04	1.01E-03	1.11E-04	1.64E-04	9.68E-05	1.01E-04
1041	567390.62	4216783.86	1.07E-03	1.15E-03	9.28E-04	1.02E-03	1.12E-04	1.66E-04	9.77E-05	1.02E-04
1042	567395.61	4216791.82	1.08E-03	1.16E-03	9.34E-04	1.03E-03	1.13E-04	1.67E-04	9.83E-05	1.03E-04
1043	567400.6	4216799.78	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.87E-05	1.03E-04
1044	567410.57	4216815.7	1.08E-03	1.17E-03	9.38E-04	1.03E-03	1.13E-04	1.67E-04	9.87E-05	1.03E-04
1045	567420.55	4216831.63	1.08E-03	1.17E-03	9.39E-04	1.03E-03	1.13E-04	1.67E-04	9.88E-05	1.03E-04
1046	567425.53	4216839.59	1.08E-03	1.17E-03	9.38E-04	1.03E-03	1.13E-04	1.67E-04	9.88E-05	1.03E-04
1047	567430.52	4216847.55	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.86E-05	1.03E-04
1048	567435.51	4216855.51	1.08E-03	1.17E-03	9.37E-04	1.03E-03	1.13E-04	1.67E-04	9.86E-05	1.03E-04
1049	567440.49	4216863.47	1.08E-03	1.16E-03	9.36E-04	1.03E-03	1.13E-04	1.67E-04	9.85E-05	1.03E-04
1050	567443.21	4216880.55	1.12E-03	1.21E-03	9.75E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
1051	567440.93	4216889.66	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
1052	567438.65	4216898.78	1.23E-03	1.32E-03	1.06E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1053	567434.1	4216917.01	1.35E-03	1.45E-03	1.17E-03	1.29E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1054	567431.82	4216926.12	1.41E-03	1.52E-03	1.22E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
1055	567429.55	4216935.24	1.48E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.35E-04	1.41E-04
1056	567427.27	4216944.35	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
1057	567424.99	4216953.47	1.63E-03	1.76E-03	1.41E-03	1.55E-03	1.71E-04	2.52E-04	1.49E-04	1.55E-04
1058	567422.72	4216962.58	1.70E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.62E-04
1059	567420.44	4216971.69	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.63E-04	1.70E-04
1060	567418.16	4216980.81	1.88E-03	2.03E-03	1.63E-03	1.79E-03	1.97E-04	2.91E-04	1.72E-04	1.79E-04
1061	567415.89	4216989.92	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
1062	567411.33	4217008.15	2.15E-03	2.32E-03	1.87E-03	2.06E-03	2.26E-04	3.33E-04	1.97E-04	2.05E-04
1063	567409.05	4217017.27	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
1064	567345.73	4216712.2	9.03E-04	9.75E-04	7.84E-04	8.63E-04	9.48E-05	1.40E-04	8.25E-05	8.61E-05
1065	567337.83	4216706.69	8.99E-04	9.70E-04	7.80E-04	8.59E-04	9.43E-05	1.39E-04	8.21E-05	8.57E-05
1066	567329.92	4216701.17	8.92E-04	9.63E-04	7.74E-04	8.52E-04	9.36E-05	1.38E-04	8.15E-05	8.51E-05
1067	567322.01	4216695.66	8.84E-04	9.54E-04	7.67E-04	8.44E-04	9.27E-05	1.37E-04	8.07E-05	8.42E-05
1068	567266.66	4216657.06	7.69E-04	8.30E-04	6.67E-04	7.34E-04	8.06E-05	1.19E-04	7.02E-05	7.33E-05
1069	567258.76	4216651.55	7.48E-04	8.08E-04	6.49E-04	7.15E-04	7.85E-05	1.16E-04	6.84E-05	7.13E-05
1070	567250.85	4216646.03	7.28E-04	7.86E-04	6.32E-04	6.96E-04	7.64E-05	1.13E-04	6.65E-05	6.94E-05
1071	567242.94	4216640.52	7.08E-04	7.65E-04	6.15E-04	6.77E-04	7.43E-05	1.10E-04	6.47E-05	6.75E-05
1072	567235.03	4216635	6.89E-04	7.43E-04	5.98E-04	6.58E-04	7.22E-05	1.07E-04	6.29E-05	6.57E-05
1073	567356.4	4216711.9	8.73E-04	9.43E-04	7.58E-04	8.34E-04	9.16E-05	1.35E-04	7.98E-05	8.32E-05
1074	567361.35	4216719.8	8.93E-04	9.64E-04	7.75E-04	8.53E-04	9.36E-05	1.38E-04	8.15E-05	8.51E-05
1075	567371.25	4216735.59	9.31E-04	1.00E-03	8.08E-04	8.89E-04	9.76E-05	1.44E-04	8.50E-05	8.87E-05
1076	567381.14	4216751.39	9.72E-04	1.05E-03	8.43E-04	9.28E-04	1.02E-04	1.50E-04	8.87E-05	9.26E-05

1077	567386.09	4216759.29	9.86E-04	1.06E-03	8.55E-04	9.41E-04	1.03E-04	1.53E-04	9.00E-05	9.39E-05
1078	567391.04	4216767.19	9.97E-04	1.08E-03	8.65E-04	9.53E-04	1.05E-04	1.54E-04	9.11E-05	9.51E-05
1079	567395.98	4216775.09	1.01E-03	1.09E-03	8.74E-04	9.62E-04	1.06E-04	1.56E-04	9.20E-05	9.60E-05
1080	567400.93	4216782.98	1.02E-03	1.10E-03	8.81E-04	9.70E-04	1.07E-04	1.57E-04	9.28E-05	9.68E-05
1081	567405.88	4216790.88	1.02E-03	1.10E-03	8.85E-04	9.75E-04	1.07E-04	1.58E-04	9.32E-05	9.72E-05
1082	567410.83	4216798.78	1.02E-03	1.10E-03	8.87E-04	9.77E-04	1.07E-04	1.58E-04	9.34E-05	9.75E-05
1083	567430.62	4216830.37	1.02E-03	1.10E-03	8.88E-04	9.77E-04	1.07E-04	1.58E-04	9.35E-05	9.75E-05
1084	567435.57	4216838.27	1.02E-03	1.10E-03	8.87E-04	9.76E-04	1.07E-04	1.58E-04	9.34E-05	9.74E-05
1085	567445.46	4216854.07	1.02E-03	1.10E-03	8.85E-04	9.74E-04	1.07E-04	1.58E-04	9.32E-05	9.72E-05
1086	567450.41	4216861.97	1.02E-03	1.10E-03	8.85E-04	9.74E-04	1.07E-04	1.58E-04	9.32E-05	9.72E-05
1087	567453.1	4216878.91	1.06E-03	1.14E-03	9.20E-04	1.01E-03	1.11E-04	1.64E-04	9.69E-05	1.01E-04
1088	567450.84	4216887.95	1.10E-03	1.19E-03	9.58E-04	1.05E-03	1.16E-04	1.71E-04	1.01E-04	1.05E-04
1089	567448.58	4216896.99	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
1090	567441.81	4216924.12	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.25E-04
1091	567439.55	4216933.16	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.13E-04	1.26E-04	1.31E-04
1092	567437.29	4216942.2	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.32E-04	1.37E-04
1093	567435.03	4216951.25	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.33E-04	1.38E-04	1.44E-04
1094	567432.77	4216960.29	1.57E-03	1.70E-03	1.37E-03	1.50E-03	1.65E-04	2.44E-04	1.44E-04	1.50E-04
1095	567430.51	4216969.33	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.55E-04	1.51E-04	1.57E-04
1096	567428.25	4216978.37	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
1097	567426	4216987.42	1.81E-03	1.96E-03	1.57E-03	1.73E-03	1.90E-04	2.81E-04	1.66E-04	1.73E-04
1098	567351.45	4216704	8.53E-04	9.21E-04	7.40E-04	8.15E-04	8.95E-05	1.32E-04	7.79E-05	8.13E-05
1099	567343.55	4216698.49	8.49E-04	9.16E-04	7.36E-04	8.11E-04	8.90E-05	1.31E-04	7.75E-05	8.09E-05
1100	567335.64	4216692.97	8.42E-04	9.09E-04	7.30E-04	8.04E-04	8.83E-05	1.30E-04	7.69E-05	8.02E-05
1101	567327.73	4216687.46	8.34E-04	9.00E-04	7.23E-04	7.96E-04	8.74E-05	1.29E-04	7.61E-05	7.95E-05
1102	567319.83	4216681.94	8.24E-04	8.90E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.85E-05
1103	567280.29	4216654.37	7.46E-04	8.05E-04	6.47E-04	7.13E-04	7.83E-05	1.15E-04	6.81E-05	7.11E-05
1104	567272.38	4216648.86	7.28E-04	7.85E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.65E-05	6.94E-05
1105	567264.48	4216643.34	7.09E-04	7.65E-04	6.15E-04	6.77E-04	7.43E-05	1.10E-04	6.47E-05	6.76E-05
1106	567256.57	4216637.83	6.90E-04	7.45E-04	5.99E-04	6.60E-04	7.24E-05	1.07E-04	6.31E-05	6.58E-05
1107	567248.66	4216632.31	6.72E-04	7.26E-04	5.83E-04	6.42E-04	7.05E-05	1.04E-04	6.14E-05	6.41E-05
1108	567240.75	4216626.8	6.54E-04	7.06E-04	5.68E-04	6.25E-04	6.86E-05	1.01E-04	5.98E-05	6.24E-05
1109	567362.09	4216703.64	8.26E-04	8.91E-04	7.16E-04	7.89E-04	8.66E-05	1.28E-04	7.54E-05	7.87E-05
1110	567367	4216711.48	8.44E-04	9.11E-04	7.32E-04	8.06E-04	8.85E-05	1.31E-04	7.71E-05	8.04E-05
1111	567371.91	4216719.32	8.61E-04	9.29E-04	7.47E-04	8.22E-04	9.03E-05	1.33E-04	7.86E-05	8.21E-05
1112	567381.73	4216735	9.01E-04	9.73E-04	7.82E-04	8.61E-04	9.45E-05	1.40E-04	8.23E-05	8.59E-05
1113	567396.47	4216758.53	9.41E-04	1.02E-03	8.16E-04	8.99E-04	9.87E-05	1.46E-04	8.59E-05	8.97E-05
1114	567401.38	4216766.37	9.51E-04	1.03E-03	8.25E-04	9.08E-04	9.97E-05	1.47E-04	8.68E-05	9.06E-05
1115	567411.2	4216782.05	9.64E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
1116	567416.12	4216789.89	9.69E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.85E-05	9.23E-05
1117	567425.94	4216805.57	9.71E-04	1.05E-03	8.43E-04	9.28E-04	1.02E-04	1.50E-04	8.87E-05	9.26E-05
1118	567445.59	4216836.93	9.68E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.84E-05	9.23E-05
1119	567450.5	4216844.78	9.67E-04	1.04E-03	8.39E-04	9.24E-04	1.01E-04	1.50E-04	8.84E-05	9.22E-05
1120	567460.32	4216860.46	9.67E-04	1.04E-03	8.39E-04	9.24E-04	1.01E-04	1.50E-04	8.84E-05	9.22E-05
1121	567462.99	4216877.27	1.00E-03	1.08E-03	8.71E-04	9.58E-04	1.05E-04	1.55E-04	9.17E-05	9.56E-05
1122	567460.75	4216886.25	1.04E-03	1.12E-03	9.04E-04	9.95E-04	1.09E-04	1.61E-04	9.51E-05	9.93E-05
1123	567451.78	4216922.16	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1124	567449.54	4216931.13	1.28E-03	1.39E-03	1.11E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.22E-04
1125	567447.3	4216940.11	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1126	567445.05	4216949.09	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.33E-04
1127	567442.81	4216958.06	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.34E-04	1.39E-04
1128	567440.57	4216967.04	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
1129	567438.33	4216976.02	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.47E-04	1.46E-04	1.52E-04
1130	567436.09	4216984.99	1.67E-03	1.81E-03	1.45E-03	1.60E-03	1.76E-04	2.59E-04	1.53E-04	1.60E-04

1131	567433.84	4216993.97	1.75E-03	1.89E-03	1.52E-03	1.67E-03	1.84E-04	2.71E-04	1.60E-04	1.67E-04
1132	567349.27	4216690.28	8.02E-04	8.66E-04	6.96E-04	7.66E-04	8.41E-05	1.24E-04	7.32E-05	7.64E-05
1133	567341.36	4216684.77	7.95E-04	8.58E-04	6.90E-04	7.59E-04	8.34E-05	1.23E-04	7.26E-05	7.58E-05
1134	567333.45	4216679.25	7.87E-04	8.50E-04	6.83E-04	7.52E-04	8.26E-05	1.22E-04	7.19E-05	7.50E-05
1135	567325.55	4216673.74	7.79E-04	8.41E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
1136	567293.92	4216651.68	7.23E-04	7.81E-04	6.27E-04	6.91E-04	7.59E-05	1.12E-04	6.61E-05	6.89E-05
1137	567286.01	4216646.17	7.07E-04	7.63E-04	6.13E-04	6.75E-04	7.42E-05	1.09E-04	6.46E-05	6.74E-05
1138	567278.1	4216640.65	6.90E-04	7.45E-04	5.99E-04	6.59E-04	7.24E-05	1.07E-04	6.30E-05	6.58E-05
1139	567270.2	4216635.14	6.73E-04	7.26E-04	5.84E-04	6.43E-04	7.06E-05	1.04E-04	6.15E-05	6.41E-05
1140	567262.29	4216629.63	6.56E-04	7.08E-04	5.69E-04	6.26E-04	6.88E-05	1.02E-04	5.99E-05	6.25E-05
1141	567254.38	4216624.11	6.39E-04	6.90E-04	5.55E-04	6.11E-04	6.71E-05	9.90E-05	5.84E-05	6.09E-05
1142	567246.48	4216618.6	6.23E-04	6.72E-04	5.40E-04	5.95E-04	6.53E-05	9.64E-05	5.69E-05	5.93E-05
1143	567368	4216695.74	7.82E-04	8.44E-04	6.79E-04	7.47E-04	8.21E-05	1.21E-04	7.15E-05	7.46E-05
1144	567373.1	4216703.88	8.00E-04	8.63E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.31E-05	7.62E-05
1145	567378.2	4216712.02	8.17E-04	8.81E-04	7.08E-04	7.80E-04	8.56E-05	1.26E-04	7.46E-05	7.78E-05
1146	567383.3	4216720.17	8.40E-04	9.06E-04	7.28E-04	8.02E-04	8.81E-05	1.30E-04	7.67E-05	8.00E-05
1147	567388.4	4216728.31	8.55E-04	9.23E-04	7.42E-04	8.17E-04	8.97E-05	1.32E-04	7.81E-05	8.15E-05
1148	567398.6	4216744.59	8.83E-04	9.53E-04	7.66E-04	8.43E-04	9.26E-05	1.37E-04	8.06E-05	8.41E-05
1149	567403.7	4216752.74	8.93E-04	9.64E-04	7.75E-04	8.53E-04	9.37E-05	1.38E-04	8.16E-05	8.51E-05
1150	567408.8	4216760.88	9.02E-04	9.73E-04	7.82E-04	8.61E-04	9.46E-05	1.40E-04	8.24E-05	8.59E-05
1151	567413.9	4216769.02	9.09E-04	9.81E-04	7.89E-04	8.68E-04	9.53E-05	1.41E-04	8.30E-05	8.66E-05
1152	567419	4216777.16	9.16E-04	9.88E-04	7.94E-04	8.75E-04	9.60E-05	1.42E-04	8.36E-05	8.73E-05
1153	567424.1	4216785.31	9.21E-04	9.94E-04	7.99E-04	8.79E-04	9.66E-05	1.43E-04	8.41E-05	8.78E-05
1154	567429.2	4216793.45	9.23E-04	9.96E-04	8.01E-04	8.81E-04	9.68E-05	1.43E-04	8.43E-05	8.80E-05
1155	567434.31	4216801.59	9.23E-04	9.97E-04	8.01E-04	8.82E-04	9.68E-05	1.43E-04	8.43E-05	8.80E-05
1156	567449.61	4216826.02	9.21E-04	9.94E-04	7.99E-04	8.80E-04	9.66E-05	1.43E-04	8.42E-05	8.78E-05
1157	567454.71	4216834.16	9.21E-04	9.94E-04	7.99E-04	8.80E-04	9.66E-05	1.43E-04	8.41E-05	8.78E-05
1158	567459.81	4216842.3	9.20E-04	9.93E-04	7.98E-04	8.78E-04	9.65E-05	1.42E-04	8.40E-05	8.77E-05
1159	567464.91	4216850.45	9.19E-04	9.92E-04	7.97E-04	8.78E-04	9.64E-05	1.42E-04	8.39E-05	8.76E-05
1160	567470.01	4216858.59	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
1161	567472.78	4216876.05	9.53E-04	1.03E-03	8.27E-04	9.10E-04	9.99E-05	1.47E-04	8.70E-05	9.08E-05
1162	567470.45	4216885.37	9.88E-04	1.07E-03	8.57E-04	9.44E-04	1.04E-04	1.53E-04	9.02E-05	9.42E-05
1163	567468.13	4216894.7	1.03E-03	1.11E-03	8.90E-04	9.80E-04	1.08E-04	1.59E-04	9.37E-05	9.78E-05
1164	567465.8	4216904.02	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
1165	567458.81	4216931.98	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
1166	567456.48	4216941.3	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.97E-04	1.16E-04	1.21E-04
1167	567454.16	4216950.63	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.06E-04	1.21E-04	1.27E-04
1168	567451.83	4216959.95	1.39E-03	1.50E-03	1.20E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
1169	567449.5	4216969.27	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.32E-04	1.38E-04
1170	567447.17	4216978.59	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
1171	567444.84	4216987.91	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
1172	567362.9	4216687.6	7.63E-04	8.24E-04	6.62E-04	7.29E-04	8.01E-05	1.18E-04	6.97E-05	7.27E-05
1173	567354.99	4216682.08	7.58E-04	8.18E-04	6.58E-04	7.24E-04	7.95E-05	1.17E-04	6.93E-05	7.23E-05
1174	567347.08	4216676.57	7.52E-04	8.11E-04	6.52E-04	7.18E-04	7.88E-05	1.16E-04	6.87E-05	7.16E-05
1175	567339.17	4216671.05	7.45E-04	8.04E-04	6.46E-04	7.11E-04	7.81E-05	1.15E-04	6.80E-05	7.10E-05
1176	567307.55	4216649	7.00E-04	7.56E-04	6.08E-04	6.69E-04	7.35E-05	1.08E-04	6.40E-05	6.67E-05
1177	567299.64	4216643.48	6.86E-04	7.40E-04	5.95E-04	6.55E-04	7.20E-05	1.06E-04	6.27E-05	6.54E-05
1178	567291.73	4216637.97	6.71E-04	7.24E-04	5.82E-04	6.41E-04	7.04E-05	1.04E-04	6.13E-05	6.40E-05
1179	567283.82	4216632.45	6.56E-04	7.08E-04	5.69E-04	6.26E-04	6.88E-05	1.01E-04	5.99E-05	6.25E-05
1180	567275.92	4216626.94	6.40E-04	6.91E-04	5.55E-04	6.11E-04	6.71E-05	9.91E-05	5.85E-05	6.10E-05
1181	567268.01	4216621.42	6.24E-04	6.74E-04	5.42E-04	5.96E-04	6.55E-05	9.66E-05	5.70E-05	5.95E-05
1182	567260.1	4216615.91	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.42E-05	5.56E-05	5.80E-05
1183	567252.2	4216610.4	5.94E-04	6.41E-04	5.15E-04	5.67E-04	6.23E-05	9.19E-05	5.42E-05	5.66E-05
1184	567373.68	4216687.47	7.41E-04	8.00E-04	6.43E-04	7.08E-04	7.77E-05	1.15E-04	6.77E-05	7.06E-05

1185	567378.73	4216695.55	7.58E-04	8.18E-04	6.57E-04	7.24E-04	7.95E-05	1.17E-04	6.92E-05	7.22E-05
1186	567383.79	4216703.62	7.73E-04	8.35E-04	6.71E-04	7.39E-04	8.11E-05	1.20E-04	7.06E-05	7.37E-05
1187	567388.85	4216711.7	7.89E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.52E-05
1188	567393.91	4216719.78	8.11E-04	8.75E-04	7.03E-04	7.74E-04	8.50E-05	1.25E-04	7.40E-05	7.73E-05
1189	567398.97	4216727.85	8.24E-04	8.90E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.86E-05
1190	567409.09	4216744.01	8.46E-04	9.14E-04	7.34E-04	8.09E-04	8.88E-05	1.31E-04	7.73E-05	8.07E-05
1191	567414.15	4216752.09	8.54E-04	9.22E-04	7.41E-04	8.16E-04	8.96E-05	1.32E-04	7.81E-05	8.14E-05
1192	567419.21	4216760.16	8.62E-04	9.30E-04	7.48E-04	8.23E-04	9.04E-05	1.33E-04	7.87E-05	8.21E-05
1193	567424.27	4216768.24	8.68E-04	9.37E-04	7.53E-04	8.29E-04	9.11E-05	1.34E-04	7.93E-05	8.28E-05
1194	567429.33	4216776.32	8.74E-04	9.43E-04	7.58E-04	8.34E-04	9.16E-05	1.35E-04	7.98E-05	8.33E-05
1195	567434.39	4216784.39	8.77E-04	9.47E-04	7.61E-04	8.38E-04	9.20E-05	1.36E-04	8.01E-05	8.36E-05
1196	567439.45	4216792.47	8.79E-04	9.49E-04	7.62E-04	8.39E-04	9.22E-05	1.36E-04	8.03E-05	8.38E-05
1197	567444.51	4216800.55	8.79E-04	9.49E-04	7.62E-04	8.39E-04	9.22E-05	1.36E-04	8.03E-05	8.38E-05
1198	567459.69	4216824.78	8.78E-04	9.47E-04	7.61E-04	8.38E-04	9.20E-05	1.36E-04	8.02E-05	8.36E-05
1199	567464.75	4216832.85	8.77E-04	9.46E-04	7.61E-04	8.37E-04	9.20E-05	1.36E-04	8.01E-05	8.36E-05
1200	567469.81	4216840.93	8.75E-04	9.45E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	8.00E-05	8.34E-05
1201	567474.87	4216849.01	8.74E-04	9.43E-04	7.58E-04	8.35E-04	9.17E-05	1.35E-04	7.98E-05	8.33E-05
1202	567479.93	4216857.09	8.73E-04	9.42E-04	7.57E-04	8.34E-04	9.15E-05	1.35E-04	7.97E-05	8.32E-05
1203	567482.68	4216874.41	9.02E-04	9.74E-04	7.83E-04	8.62E-04	9.46E-05	1.40E-04	8.24E-05	8.60E-05
1204	567480.37	4216883.66	9.35E-04	1.01E-03	8.11E-04	8.93E-04	9.81E-05	1.45E-04	8.54E-05	8.91E-05
1205	567478.06	4216892.9	9.69E-04	1.05E-03	8.41E-04	9.26E-04	1.02E-04	1.50E-04	8.85E-05	9.24E-05
1206	567475.75	4216902.15	1.01E-03	1.09E-03	8.73E-04	9.61E-04	1.05E-04	1.56E-04	9.19E-05	9.59E-05
1207	567468.82	4216929.89	1.14E-03	1.23E-03	9.88E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.09E-04
1208	567466.51	4216939.14	1.19E-03	1.28E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.13E-04
1209	567464.2	4216948.38	1.24E-03	1.34E-03	1.08E-03	1.18E-03	1.30E-04	1.92E-04	1.13E-04	1.18E-04
1210	567461.89	4216957.63	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
1211	567459.58	4216966.88	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.24E-04	1.29E-04
1212	567457.27	4216976.12	1.41E-03	1.53E-03	1.23E-03	1.35E-03	1.48E-04	2.19E-04	1.29E-04	1.35E-04
1213	567454.96	4216985.37	1.48E-03	1.60E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
1214	567452.65	4216994.62	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.39E-04	1.41E-04	1.47E-04
1215	567368.62	4216679.39	7.23E-04	7.81E-04	6.28E-04	6.91E-04	7.59E-05	1.12E-04	6.61E-05	6.89E-05
1216	567360.71	4216673.88	7.18E-04	7.75E-04	6.23E-04	6.86E-04	7.53E-05	1.11E-04	6.56E-05	6.85E-05
1217	567352.8	4216668.36	7.12E-04	7.68E-04	6.18E-04	6.80E-04	7.47E-05	1.10E-04	6.50E-05	6.78E-05
1218	567321.17	4216646.31	6.77E-04	7.31E-04	5.88E-04	6.47E-04	7.11E-05	1.05E-04	6.19E-05	6.46E-05
1219	567313.27	4216640.79	6.65E-04	7.18E-04	5.77E-04	6.35E-04	6.97E-05	1.03E-04	6.07E-05	6.34E-05
1220	567305.36	4216635.28	6.52E-04	7.04E-04	5.66E-04	6.23E-04	6.84E-05	1.01E-04	5.95E-05	6.21E-05
1221	567297.45	4216629.76	6.38E-04	6.89E-04	5.54E-04	6.09E-04	6.69E-05	9.88E-05	5.83E-05	6.08E-05
1222	567289.54	4216624.25	6.24E-04	6.73E-04	5.41E-04	5.96E-04	6.54E-05	9.66E-05	5.70E-05	5.95E-05
1223	567281.64	4216618.74	6.10E-04	6.58E-04	5.29E-04	5.82E-04	6.39E-05	9.44E-05	5.57E-05	5.81E-05
1224	567273.73	4216613.22	5.95E-04	6.42E-04	5.16E-04	5.68E-04	6.24E-05	9.21E-05	5.44E-05	5.67E-05
1225	567265.82	4216607.71	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.09E-05	8.99E-05	5.31E-05	5.54E-05
1226	567257.92	4216602.19	5.67E-04	6.12E-04	4.92E-04	5.41E-04	5.94E-05	8.77E-05	5.18E-05	5.40E-05
1227	567379.36	4216679.21	7.03E-04	7.59E-04	6.10E-04	6.72E-04	7.38E-05	1.09E-04	6.42E-05	6.70E-05
1228	567384.38	4216687.22	7.19E-04	7.76E-04	6.24E-04	6.87E-04	7.54E-05	1.11E-04	6.57E-05	6.85E-05
1229	567389.4	4216695.24	7.35E-04	7.93E-04	6.37E-04	7.02E-04	7.70E-05	1.14E-04	6.71E-05	7.00E-05
1230	567394.42	4216703.26	7.49E-04	8.09E-04	6.50E-04	7.16E-04	7.86E-05	1.16E-04	6.84E-05	7.14E-05
1231	567399.45	4216711.27	7.63E-04	8.24E-04	6.62E-04	7.29E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
1232	567404.47	4216719.29	7.82E-04	8.44E-04	6.79E-04	7.47E-04	8.21E-05	1.21E-04	7.15E-05	7.46E-05
1233	567409.49	4216727.31	7.94E-04	8.57E-04	6.89E-04	7.58E-04	8.33E-05	1.23E-04	7.25E-05	7.57E-05
1234	567419.53	4216743.34	8.12E-04	8.76E-04	7.04E-04	7.75E-04	8.52E-05	1.26E-04	7.42E-05	7.74E-05
1235	567424.56	4216751.36	8.19E-04	8.84E-04	7.10E-04	7.82E-04	8.59E-05	1.27E-04	7.48E-05	7.80E-05
1236	567429.58	4216759.38	8.25E-04	8.90E-04	7.16E-04	7.88E-04	8.65E-05	1.28E-04	7.53E-05	7.86E-05
1237	567434.6	4216767.39	8.30E-04	8.96E-04	7.20E-04	7.93E-04	8.71E-05	1.28E-04	7.58E-05	7.91E-05
1238	567439.62	4216775.41	8.34E-04	9.00E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05

1239	567444.64	4216783.43	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.30E-04	7.65E-05	7.98E-05
1240	567449.67	4216791.44	8.38E-04	9.05E-04	7.27E-04	8.00E-04	8.79E-05	1.30E-04	7.65E-05	7.99E-05
1241	567454.69	4216799.46	8.38E-04	9.05E-04	7.27E-04	8.01E-04	8.79E-05	1.30E-04	7.66E-05	7.99E-05
1242	567464.73	4216815.49	8.37E-04	9.04E-04	7.26E-04	8.00E-04	8.78E-05	1.30E-04	7.65E-05	7.98E-05
1243	567469.75	4216823.51	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.30E-04	7.64E-05	7.98E-05
1244	567474.78	4216831.53	8.36E-04	9.02E-04	7.25E-04	7.98E-04	8.77E-05	1.29E-04	7.63E-05	7.97E-05
1245	567479.8	4216839.54	8.34E-04	9.00E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05
1246	567484.82	4216847.56	8.32E-04	8.98E-04	7.22E-04	7.95E-04	8.73E-05	1.29E-04	7.60E-05	7.93E-05
1247	567489.84	4216855.58	8.30E-04	8.96E-04	7.20E-04	7.93E-04	8.71E-05	1.29E-04	7.59E-05	7.92E-05
1248	567492.57	4216872.77	8.56E-04	9.24E-04	7.42E-04	8.17E-04	8.98E-05	1.32E-04	7.82E-05	8.16E-05
1249	567490.28	4216881.95	8.86E-04	9.56E-04	7.69E-04	8.46E-04	9.29E-05	1.37E-04	8.09E-05	8.44E-05
1250	567487.99	4216891.13	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
1251	567485.69	4216900.31	9.52E-04	1.03E-03	8.26E-04	9.09E-04	9.99E-05	1.47E-04	8.70E-05	9.07E-05
1252	567483.4	4216909.48	9.88E-04	1.07E-03	8.57E-04	9.44E-04	1.04E-04	1.53E-04	9.02E-05	9.42E-05
1253	567476.52	4216937.02	1.11E-03	1.20E-03	9.67E-04	1.06E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
1254	567474.23	4216946.2	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
1255	567471.94	4216955.37	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.87E-04	1.11E-04	1.15E-04
1256	567469.65	4216964.55	1.26E-03	1.36E-03	1.10E-03	1.21E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
1257	567467.35	4216973.73	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.26E-04
1258	567465.06	4216982.91	1.38E-03	1.49E-03	1.19E-03	1.31E-03	1.44E-04	2.13E-04	1.26E-04	1.31E-04
1259	567462.77	4216992.09	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
1260	567460.48	4217001.26	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
1261	567374.34	4216671.19	6.87E-04	7.41E-04	5.96E-04	6.56E-04	7.21E-05	1.06E-04	6.27E-05	6.55E-05
1262	567366.43	4216665.68	6.82E-04	7.36E-04	5.92E-04	6.51E-04	7.15E-05	1.06E-04	6.23E-05	6.50E-05
1263	567334.8	4216643.62	6.53E-04	7.05E-04	5.66E-04	6.24E-04	6.85E-05	1.01E-04	5.96E-05	6.22E-05
1264	567326.89	4216638.1	6.44E-04	6.95E-04	5.59E-04	6.15E-04	6.75E-05	9.97E-05	5.88E-05	6.14E-05
1265	567318.99	4216632.59	6.33E-04	6.83E-04	5.49E-04	6.04E-04	6.63E-05	9.79E-05	5.78E-05	6.03E-05
1266	567311.08	4216627.08	6.20E-04	6.70E-04	5.38E-04	5.93E-04	6.51E-05	9.60E-05	5.67E-05	5.91E-05
1267	567303.17	4216621.56	6.08E-04	6.56E-04	5.27E-04	5.80E-04	6.37E-05	9.40E-05	5.55E-05	5.79E-05
1268	567295.26	4216616.05	5.94E-04	6.42E-04	5.16E-04	5.68E-04	6.24E-05	9.20E-05	5.43E-05	5.67E-05
1269	567287.36	4216610.53	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.10E-05	9.00E-05	5.31E-05	5.54E-05
1270	567279.45	4216605.02	5.68E-04	6.13E-04	4.93E-04	5.43E-04	5.96E-05	8.79E-05	5.19E-05	5.41E-05
1271	567271.54	4216599.5	5.55E-04	5.99E-04	4.81E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
1272	567263.64	4216593.99	5.41E-04	5.84E-04	4.70E-04	5.17E-04	5.68E-05	8.38E-05	4.95E-05	5.16E-05
1273	567385.04	4216670.95	6.69E-04	7.22E-04	5.80E-04	6.39E-04	7.02E-05	1.04E-04	6.11E-05	6.38E-05
1274	567390.03	4216678.91	6.84E-04	7.38E-04	5.93E-04	6.53E-04	7.17E-05	1.06E-04	6.25E-05	6.52E-05
1275	567395.02	4216686.87	6.98E-04	7.54E-04	6.06E-04	6.67E-04	7.32E-05	1.08E-04	6.38E-05	6.66E-05
1276	567400.01	4216694.83	7.12E-04	7.69E-04	6.18E-04	6.80E-04	7.47E-05	1.10E-04	6.51E-05	6.79E-05
1277	567404.99	4216702.8	7.25E-04	7.83E-04	6.29E-04	6.93E-04	7.61E-05	1.12E-04	6.63E-05	6.92E-05
1278	567409.98	4216710.76	7.38E-04	7.96E-04	6.40E-04	7.05E-04	7.74E-05	1.14E-04	6.74E-05	7.03E-05
1279	567429.93	4216742.6	7.79E-04	8.41E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
1280	567434.92	4216750.57	7.85E-04	8.47E-04	6.81E-04	7.50E-04	8.23E-05	1.21E-04	7.17E-05	7.48E-05
1281	567439.9	4216758.53	7.90E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.53E-05
1282	567444.89	4216766.49	7.94E-04	8.57E-04	6.89E-04	7.58E-04	8.33E-05	1.23E-04	7.25E-05	7.57E-05
1283	567449.88	4216774.45	7.97E-04	8.61E-04	6.92E-04	7.62E-04	8.36E-05	1.23E-04	7.28E-05	7.60E-05
1284	567454.87	4216782.41	7.99E-04	8.63E-04	6.93E-04	7.63E-04	8.38E-05	1.24E-04	7.30E-05	7.62E-05
1285	567459.85	4216790.37	8.00E-04	8.64E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.31E-05	7.62E-05
1286	567464.84	4216798.33	8.00E-04	8.64E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.31E-05	7.63E-05
1287	567474.82	4216814.26	8.00E-04	8.63E-04	6.94E-04	7.64E-04	8.39E-05	1.24E-04	7.30E-05	7.62E-05
1288	567479.8	4216822.22	7.99E-04	8.62E-04	6.93E-04	7.63E-04	8.38E-05	1.24E-04	7.30E-05	7.61E-05
1289	567484.79	4216830.18	7.98E-04	8.61E-04	6.92E-04	7.62E-04	8.37E-05	1.23E-04	7.29E-05	7.60E-05
1290	567489.78	4216838.14	7.96E-04	8.59E-04	6.91E-04	7.60E-04	8.35E-05	1.23E-04	7.27E-05	7.59E-05
1291	567494.77	4216846.1	7.94E-04	8.57E-04	6.89E-04	7.58E-04	8.33E-05	1.23E-04	7.25E-05	7.57E-05
1292	567493.36	4216907.6	9.34E-04	1.01E-03	8.11E-04	8.92E-04	9.80E-05	1.45E-04	8.53E-05	8.91E-05

1293	567484.25	4216944.06	1.09E-03	1.18E-03	9.47E-04	1.04E-03	1.14E-04	1.69E-04	9.97E-05	1.04E-04
1294	567481.97	4216953.17	1.14E-03	1.23E-03	9.86E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1295	567479.7	4216962.29	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
1296	567477.42	4216971.4	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
1297	567475.14	4216980.52	1.28E-03	1.39E-03	1.11E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.22E-04
1298	567472.87	4216989.63	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.40E-04	2.07E-04	1.22E-04	1.28E-04
1299	567470.59	4216998.75	1.40E-03	1.51E-03	1.21E-03	1.33E-03	1.47E-04	2.16E-04	1.28E-04	1.33E-04
1300	567380.06	4216662.99	6.53E-04	7.05E-04	5.67E-04	6.24E-04	6.85E-05	1.01E-04	5.97E-05	6.23E-05
1301	567340.52	4216635.42	6.20E-04	6.70E-04	5.38E-04	5.93E-04	6.51E-05	9.60E-05	5.67E-05	5.91E-05
1302	567332.61	4216629.9	6.13E-04	6.62E-04	5.32E-04	5.85E-04	6.43E-05	9.49E-05	5.60E-05	5.84E-05
1303	567324.71	4216624.39	6.03E-04	6.50E-04	5.23E-04	5.76E-04	6.32E-05	9.33E-05	5.50E-05	5.74E-05
1304	567316.8	4216618.87	5.91E-04	6.38E-04	5.13E-04	5.65E-04	6.20E-05	9.15E-05	5.40E-05	5.64E-05
1305	567308.89	4216613.36	5.79E-04	6.25E-04	5.03E-04	5.53E-04	6.08E-05	8.97E-05	5.29E-05	5.52E-05
1306	567300.98	4216607.85	5.67E-04	6.12E-04	4.92E-04	5.42E-04	5.95E-05	8.78E-05	5.18E-05	5.41E-05
1307	567293.08	4216602.33	5.55E-04	5.99E-04	4.81E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
1308	567285.17	4216596.82	5.43E-04	5.86E-04	4.71E-04	5.18E-04	5.69E-05	8.40E-05	4.96E-05	5.17E-05
1309	567277.26	4216591.3	5.30E-04	5.72E-04	4.60E-04	5.07E-04	5.56E-05	8.21E-05	4.84E-05	5.05E-05
1310	567269.36	4216585.79	5.18E-04	5.59E-04	4.49E-04	4.95E-04	5.43E-05	8.02E-05	4.73E-05	4.94E-05
1311	567390.73	4216662.7	6.37E-04	6.88E-04	5.53E-04	6.09E-04	6.68E-05	9.86E-05	5.82E-05	6.07E-05
1312	567395.69	4216670.61	6.51E-04	7.03E-04	5.65E-04	6.22E-04	6.83E-05	1.01E-04	5.95E-05	6.21E-05
1313	567400.64	4216678.52	6.65E-04	7.18E-04	5.77E-04	6.35E-04	6.97E-05	1.03E-04	6.07E-05	6.34E-05
1314	567405.6	4216686.43	6.78E-04	7.32E-04	5.88E-04	6.48E-04	7.11E-05	1.05E-04	6.19E-05	6.46E-05
1315	567410.55	4216694.34	6.91E-04	7.45E-04	5.99E-04	6.60E-04	7.24E-05	1.07E-04	6.31E-05	6.58E-05
1316	567420.46	4216710.16	7.12E-04	7.69E-04	6.18E-04	6.80E-04	7.47E-05	1.10E-04	6.50E-05	6.79E-05
1317	567425.42	4216718.07	7.27E-04	7.85E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.64E-05	6.93E-05
1318	567435.33	4216733.89	7.41E-04	8.00E-04	6.43E-04	7.08E-04	7.78E-05	1.15E-04	6.77E-05	7.07E-05
1319	567440.29	4216741.8	7.47E-04	8.07E-04	6.48E-04	7.14E-04	7.84E-05	1.16E-04	6.83E-05	7.12E-05
1320	567450.2	4216757.62	7.57E-04	8.18E-04	6.57E-04	7.23E-04	7.94E-05	1.17E-04	6.92E-05	7.22E-05
1321	567455.15	4216765.53	7.61E-04	8.21E-04	6.60E-04	7.27E-04	7.98E-05	1.18E-04	6.95E-05	7.25E-05
1322	567460.11	4216773.44	7.63E-04	8.24E-04	6.62E-04	7.29E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
1323	567465.06	4216781.35	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.01E-05	1.18E-04	6.98E-05	7.28E-05
1324	567470.02	4216789.26	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.28E-05
1325	567474.97	4216797.18	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.29E-05
1326	567484.88	4216813	7.64E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.29E-05
1327	567489.84	4216820.91	7.64E-04	8.24E-04	6.62E-04	7.29E-04	8.01E-05	1.18E-04	6.97E-05	7.28E-05
1328	567494.79	4216828.82	7.62E-04	8.23E-04	6.61E-04	7.28E-04	7.99E-05	1.18E-04	6.96E-05	7.27E-05
1329	567492	4216951.02	1.07E-03	1.15E-03	9.27E-04	1.02E-03	1.12E-04	1.65E-04	9.76E-05	1.02E-04
1330	567489.73	4216960.08	1.11E-03	1.20E-03	9.65E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
1331	567487.47	4216969.13	1.16E-03	1.25E-03	1.00E-03	1.11E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
1332	567485.21	4216978.19	1.20E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
1333	567482.95	4216987.25	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.32E-04	1.94E-04	1.15E-04	1.20E-04
1334	567480.68	4216996.3	1.31E-03	1.41E-03	1.13E-03	1.25E-03	1.37E-04	2.02E-04	1.19E-04	1.24E-04
1335	567478.42	4217005.36	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
1336	567354.15	4216632.73	5.98E-04	6.46E-04	5.19E-04	5.71E-04	6.27E-05	9.26E-05	5.46E-05	5.70E-05
1337	567346.24	4216627.21	5.92E-04	6.39E-04	5.13E-04	5.65E-04	6.21E-05	9.16E-05	5.40E-05	5.64E-05
1338	567338.33	4216621.7	5.85E-04	6.31E-04	5.07E-04	5.58E-04	6.13E-05	9.05E-05	5.34E-05	5.57E-05
1339	567330.43	4216616.19	5.75E-04	6.20E-04	4.99E-04	5.49E-04	6.03E-05	8.90E-05	5.25E-05	5.48E-05
1340	567322.52	4216610.67	5.64E-04	6.09E-04	4.90E-04	5.39E-04	5.92E-05	8.73E-05	5.15E-05	5.38E-05
1341	567314.61	4216605.16	5.53E-04	5.97E-04	4.80E-04	5.29E-04	5.80E-05	8.57E-05	5.05E-05	5.27E-05
1342	567306.7	4216599.64	5.42E-04	5.85E-04	4.70E-04	5.18E-04	5.69E-05	8.39E-05	4.95E-05	5.17E-05
1343	567298.8	4216594.13	5.31E-04	5.73E-04	4.60E-04	5.07E-04	5.56E-05	8.21E-05	4.85E-05	5.06E-05
1344	567290.89	4216588.61	5.19E-04	5.60E-04	4.50E-04	4.96E-04	5.44E-05	8.03E-05	4.74E-05	4.95E-05
1345	567282.98	4216583.1	5.08E-04	5.48E-04	4.40E-04	4.85E-04	5.32E-05	7.86E-05	4.64E-05	4.84E-05
1346	567275.08	4216577.59	4.96E-04	5.36E-04	4.30E-04	4.74E-04	5.20E-05	7.68E-05	4.53E-05	4.73E-05

1347	567103.47	4216803.66	3.96E-03	4.28E-03	3.44E-03	3.78E-03	4.15E-04	6.13E-04	3.62E-04	3.78E-04
1348	567103.47	4216793.66	3.28E-03	3.54E-03	2.85E-03	3.14E-03	3.44E-04	5.08E-04	3.00E-04	3.13E-04
1349	567104.9	4216784.11	2.81E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
1350	567104.61	4216774.02	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.53E-04	3.74E-04	2.21E-04	2.30E-04
1351	567118.34	4216778.33	2.58E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.46E-04
1352	567104.42	4216763.96	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.21E-04	3.27E-04	1.93E-04	2.01E-04
1353	567117.77	4216768.15	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.46E-04	2.04E-04	2.13E-04
1354	567089.85	4216761.86	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
1355	567104.29	4216753.91	1.87E-03	2.01E-03	1.62E-03	1.78E-03	1.96E-04	2.89E-04	1.70E-04	1.78E-04
1356	567117.36	4216758.02	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.04E-04	1.80E-04	1.87E-04
1357	567130.44	4216762.13	2.08E-03	2.24E-03	1.80E-03	1.98E-03	2.18E-04	3.21E-04	1.90E-04	1.98E-04
1358	567089.85	4216751.86	1.82E-03	1.96E-03	1.57E-03	1.73E-03	1.90E-04	2.81E-04	1.66E-04	1.73E-04
1359	567105.1	4216744.17	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.52E-04	1.59E-04
1360	567119.81	4216748.79	1.77E-03	1.91E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1361	567134.52	4216753.42	1.87E-03	2.02E-03	1.62E-03	1.78E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
1362	567089.85	4216741.86	1.62E-03	1.75E-03	1.41E-03	1.55E-03	1.70E-04	2.51E-04	1.48E-04	1.55E-04
1363	567104.9	4216734.11	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
1364	567119.2	4216738.6	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.66E-04	2.44E-04	1.44E-04	1.51E-04
1365	567133.5	4216743.09	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
1366	567132.71	4216732.85	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
1367	567146.69	4216737.24	1.56E-03	1.69E-03	1.36E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
1368	567145.8	4216726.96	1.41E-03	1.52E-03	1.22E-03	1.35E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
1369	567089.85	4216711.86	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
1370	567105.19	4216704.2	1.13E-03	1.22E-03	9.84E-04	1.08E-03	1.19E-04	1.75E-04	1.04E-04	1.08E-04
1371	567089.85	4216701.86	1.11E-03	1.20E-03	9.61E-04	1.06E-03	1.16E-04	1.72E-04	1.01E-04	1.06E-04
1372	567105.03	4216694.15	1.04E-03	1.13E-03	9.04E-04	9.96E-04	1.09E-04	1.61E-04	9.52E-05	9.94E-05
1373	567119.59	4216698.72	1.09E-03	1.17E-03	9.43E-04	1.04E-03	1.14E-04	1.68E-04	9.93E-05	1.04E-04
1374	567134.15	4216703.3	1.14E-03	1.23E-03	9.85E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1375	567089.85	4216691.86	1.02E-03	1.10E-03	8.85E-04	9.75E-04	1.07E-04	1.58E-04	9.32E-05	9.73E-05
1376	567104.9	4216684.11	9.63E-04	1.04E-03	8.36E-04	9.20E-04	1.01E-04	1.49E-04	8.80E-05	9.18E-05
1377	567119.2	4216688.6	1.00E-03	1.08E-03	8.69E-04	9.57E-04	1.05E-04	1.55E-04	9.15E-05	9.55E-05
1378	567133.5	4216693.09	1.04E-03	1.13E-03	9.05E-04	9.97E-04	1.09E-04	1.62E-04	9.53E-05	9.95E-05
1379	567147.8	4216697.59	1.09E-03	1.17E-03	9.43E-04	1.04E-03	1.14E-04	1.68E-04	9.93E-05	1.04E-04
1380	567089.85	4216681.86	9.44E-04	1.02E-03	8.19E-04	9.01E-04	9.90E-05	1.46E-04	8.62E-05	8.99E-05
1381	567104.79	4216674.07	8.94E-04	9.65E-04	7.75E-04	8.54E-04	9.37E-05	1.38E-04	8.16E-05	8.52E-05
1382	567118.87	4216678.5	9.27E-04	1.00E-03	8.04E-04	8.86E-04	9.73E-05	1.44E-04	8.47E-05	8.84E-05
1383	567132.95	4216682.92	9.63E-04	1.04E-03	8.35E-04	9.20E-04	1.01E-04	1.49E-04	8.80E-05	9.18E-05
1384	567147.03	4216687.35	1.00E-03	1.08E-03	8.68E-04	9.56E-04	1.05E-04	1.55E-04	9.14E-05	9.53E-05
1385	567161.11	4216691.77	1.04E-03	1.12E-03	9.00E-04	9.91E-04	1.09E-04	1.61E-04	9.48E-05	9.89E-05
1386	567089.85	4216671.86	8.76E-04	9.45E-04	7.60E-04	8.36E-04	9.18E-05	1.36E-04	8.00E-05	8.35E-05
1387	567105.23	4216664.21	8.33E-04	8.99E-04	7.23E-04	7.96E-04	8.74E-05	1.29E-04	7.61E-05	7.94E-05
1388	567120.19	4216668.91	8.65E-04	9.34E-04	7.51E-04	8.26E-04	9.07E-05	1.34E-04	7.90E-05	8.25E-05
1389	567135.15	4216673.61	8.99E-04	9.70E-04	7.80E-04	8.58E-04	9.42E-05	1.39E-04	8.21E-05	8.56E-05
1390	567150.11	4216678.31	9.33E-04	1.01E-03	8.10E-04	8.92E-04	9.79E-05	1.44E-04	8.53E-05	8.90E-05
1391	567165.07	4216683.02	9.69E-04	1.05E-03	8.40E-04	9.25E-04	1.02E-04	1.50E-04	8.85E-05	9.23E-05
1392	567180.03	4216687.72	1.00E-03	1.08E-03	8.71E-04	9.59E-04	1.05E-04	1.55E-04	9.17E-05	9.57E-05
1393	567089.85	4216661.86	8.16E-04	8.80E-04	7.08E-04	7.79E-04	8.56E-05	1.26E-04	7.45E-05	7.77E-05
1394	567105.1	4216654.17	7.77E-04	8.39E-04	6.74E-04	7.42E-04	8.15E-05	1.20E-04	7.10E-05	7.41E-05
1395	567119.81	4216658.79	8.06E-04	8.70E-04	6.99E-04	7.69E-04	8.45E-05	1.25E-04	7.36E-05	7.68E-05
1396	567134.52	4216663.42	8.35E-04	9.01E-04	7.24E-04	7.98E-04	8.76E-05	1.29E-04	7.63E-05	7.96E-05
1397	567149.23	4216668.04	8.65E-04	9.34E-04	7.51E-04	8.27E-04	9.08E-05	1.34E-04	7.91E-05	8.25E-05
1398	567163.94	4216672.66	8.96E-04	9.67E-04	7.78E-04	8.56E-04	9.40E-05	1.39E-04	8.19E-05	8.54E-05
1399	567178.65	4216677.28	9.27E-04	1.00E-03	8.04E-04	8.86E-04	9.73E-05	1.44E-04	8.47E-05	8.84E-05
1400	567089.85	4216651.86	7.62E-04	8.23E-04	6.62E-04	7.28E-04	8.00E-05	1.18E-04	6.96E-05	7.27E-05

1401	567105	4216644.14	7.28E-04	7.85E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.65E-05	6.93E-05
1402	567119.49	4216648.69	7.52E-04	8.12E-04	6.53E-04	7.19E-04	7.89E-05	1.16E-04	6.87E-05	7.17E-05
1403	567133.98	4216653.24	7.78E-04	8.40E-04	6.75E-04	7.43E-04	8.16E-05	1.20E-04	7.11E-05	7.42E-05
1404	567148.47	4216657.8	8.05E-04	8.69E-04	6.99E-04	7.69E-04	8.45E-05	1.25E-04	7.36E-05	7.68E-05
1405	567162.96	4216662.35	8.33E-04	8.99E-04	7.23E-04	7.95E-04	8.73E-05	1.29E-04	7.61E-05	7.94E-05
1406	567177.45	4216666.91	8.60E-04	9.28E-04	7.46E-04	8.21E-04	9.02E-05	1.33E-04	7.86E-05	8.20E-05
1407	567191.94	4216671.46	8.87E-04	9.58E-04	7.70E-04	8.48E-04	9.31E-05	1.37E-04	8.11E-05	8.46E-05
1408	567089.85	4216641.86	7.15E-04	7.71E-04	6.20E-04	6.83E-04	7.50E-05	1.11E-04	6.53E-05	6.81E-05
1409	567104.9	4216634.11	6.83E-04	7.37E-04	5.93E-04	6.52E-04	7.16E-05	1.06E-04	6.24E-05	6.51E-05
1410	567119.2	4216638.6	7.05E-04	7.61E-04	6.11E-04	6.73E-04	7.39E-05	1.09E-04	6.44E-05	6.72E-05
1411	567133.5	4216643.09	7.28E-04	7.86E-04	6.31E-04	6.95E-04	7.63E-05	1.13E-04	6.65E-05	6.94E-05
1412	567147.8	4216647.59	7.52E-04	8.12E-04	6.52E-04	7.18E-04	7.89E-05	1.16E-04	6.87E-05	7.17E-05
1413	567162.1	4216652.08	7.77E-04	8.39E-04	6.74E-04	7.42E-04	8.15E-05	1.20E-04	7.10E-05	7.40E-05
1414	567176.4	4216656.58	8.01E-04	8.65E-04	6.95E-04	7.65E-04	8.40E-05	1.24E-04	7.32E-05	7.64E-05
1415	567190.7	4216661.07	8.25E-04	8.91E-04	7.16E-04	7.88E-04	8.66E-05	1.28E-04	7.54E-05	7.87E-05
1416	567089.85	4216631.86	6.71E-04	7.25E-04	5.83E-04	6.41E-04	7.04E-05	1.04E-04	6.13E-05	6.40E-05
1417	567105.26	4216624.22	6.44E-04	6.95E-04	5.58E-04	6.15E-04	6.75E-05	9.96E-05	5.88E-05	6.13E-05
1418	567120.27	4216628.94	6.64E-04	7.17E-04	5.76E-04	6.35E-04	6.97E-05	1.03E-04	6.07E-05	6.33E-05
1419	567135.29	4216633.66	6.86E-04	7.41E-04	5.95E-04	6.55E-04	7.20E-05	1.06E-04	6.27E-05	6.54E-05
1420	567150.3	4216638.38	7.09E-04	7.66E-04	6.15E-04	6.78E-04	7.44E-05	1.10E-04	6.48E-05	6.76E-05
1421	567165.32	4216643.09	7.33E-04	7.92E-04	6.36E-04	7.00E-04	7.69E-05	1.13E-04	6.70E-05	6.99E-05
1422	567180.34	4216647.81	7.57E-04	8.17E-04	6.56E-04	7.23E-04	7.93E-05	1.17E-04	6.91E-05	7.21E-05
1423	567089.85	4216621.86	6.32E-04	6.82E-04	5.48E-04	6.04E-04	6.63E-05	9.78E-05	5.77E-05	6.02E-05
1424	567105.15	4216614.19	6.07E-04	6.55E-04	5.27E-04	5.80E-04	6.37E-05	9.40E-05	5.55E-05	5.79E-05
1425	567119.96	4216618.84	6.26E-04	6.76E-04	5.43E-04	5.98E-04	6.57E-05	9.69E-05	5.72E-05	5.97E-05
1426	567134.76	4216623.49	6.46E-04	6.97E-04	5.60E-04	6.17E-04	6.77E-05	9.99E-05	5.90E-05	6.15E-05
1427	567149.57	4216628.14	6.66E-04	7.19E-04	5.78E-04	6.36E-04	6.99E-05	1.03E-04	6.08E-05	6.35E-05
1428	567164.37	4216632.8	6.88E-04	7.42E-04	5.96E-04	6.57E-04	7.21E-05	1.06E-04	6.28E-05	6.55E-05
1429	567179.18	4216637.45	7.09E-04	7.65E-04	6.15E-04	6.77E-04	7.43E-05	1.10E-04	6.47E-05	6.75E-05
1430	567208.79	4216646.75	7.48E-04	8.07E-04	6.49E-04	7.14E-04	7.84E-05	1.16E-04	6.83E-05	7.13E-05
1431	567119.68	4216608.75	5.91E-04	6.38E-04	5.13E-04	5.65E-04	6.20E-05	9.15E-05	5.40E-05	5.64E-05
1432	567134.3	4216613.34	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.43E-05	5.56E-05	5.80E-05
1433	567148.91	4216617.94	6.27E-04	6.77E-04	5.44E-04	5.99E-04	6.58E-05	9.71E-05	5.73E-05	5.98E-05
1434	567163.53	4216622.53	6.46E-04	6.97E-04	5.61E-04	6.17E-04	6.78E-05	1.00E-04	5.90E-05	6.16E-05
1435	567178.15	4216627.13	6.65E-04	7.18E-04	5.77E-04	6.35E-04	6.98E-05	1.03E-04	6.08E-05	6.34E-05
1436	567207.39	4216636.31	7.01E-04	7.56E-04	6.08E-04	6.69E-04	7.35E-05	1.08E-04	6.40E-05	6.68E-05
1437	567104.98	4216594.13	5.43E-04	5.87E-04	4.71E-04	5.19E-04	5.70E-05	8.41E-05	4.96E-05	5.18E-05
1438	567148.33	4216607.75	5.92E-04	6.39E-04	5.14E-04	5.66E-04	6.21E-05	9.16E-05	5.41E-05	5.64E-05
1439	567162.78	4216612.3	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.42E-05	5.56E-05	5.80E-05
1440	567177.23	4216616.84	6.26E-04	6.75E-04	5.43E-04	5.98E-04	6.56E-05	9.69E-05	5.72E-05	5.96E-05
1441	567206.13	4216625.92	6.58E-04	7.10E-04	5.71E-04	6.29E-04	6.90E-05	1.02E-04	6.01E-05	6.27E-05
1442	567220.58	4216630.46	6.74E-04	7.28E-04	5.85E-04	6.44E-04	7.07E-05	1.04E-04	6.16E-05	6.43E-05
1443	567089.85	4216591.86	5.35E-04	5.77E-04	4.64E-04	5.11E-04	5.61E-05	8.27E-05	4.88E-05	5.10E-05
1444	567105.28	4216584.23	5.16E-04	5.57E-04	4.48E-04	4.93E-04	5.41E-05	7.98E-05	4.71E-05	4.92E-05
1445	567120.33	4216588.96	5.31E-04	5.73E-04	4.61E-04	5.07E-04	5.57E-05	8.22E-05	4.85E-05	5.06E-05
1446	567165.49	4216603.15	5.79E-04	6.25E-04	5.02E-04	5.53E-04	6.07E-05	8.96E-05	5.29E-05	5.52E-05
1447	567195.6	4216612.61	6.10E-04	6.59E-04	5.29E-04	5.83E-04	6.40E-05	9.44E-05	5.57E-05	5.82E-05
1448	567210.65	4216617.34	6.26E-04	6.75E-04	5.43E-04	5.98E-04	6.56E-05	9.68E-05	5.71E-05	5.96E-05
1449	567225.7	4216622.07	6.41E-04	6.92E-04	5.56E-04	6.12E-04	6.72E-05	9.92E-05	5.85E-05	6.11E-05
1450	567089.85	4216581.86	5.08E-04	5.48E-04	4.40E-04	4.85E-04	5.32E-05	7.86E-05	4.64E-05	4.84E-05
1451	567105.19	4216574.2	4.90E-04	5.29E-04	4.25E-04	4.68E-04	5.14E-05	7.59E-05	4.48E-05	4.67E-05
1452	567120.06	4216578.87	5.04E-04	5.44E-04	4.37E-04	4.82E-04	5.29E-05	7.80E-05	4.60E-05	4.80E-05
1453	567134.93	4216583.54	5.19E-04	5.60E-04	4.50E-04	4.96E-04	5.44E-05	8.03E-05	4.74E-05	4.95E-05
1454	567194.42	4216602.24	5.76E-04	6.22E-04	5.00E-04	5.50E-04	6.04E-05	8.92E-05	5.26E-05	5.49E-05

1455	567209.29	4216606.91	5.90E-04	6.37E-04	5.12E-04	5.63E-04	6.19E-05	9.13E-05	5.39E-05	5.62E-05
1456	567224.17	4216611.59	6.04E-04	6.52E-04	5.24E-04	5.77E-04	6.33E-05	9.35E-05	5.52E-05	5.76E-05
1457	567089.85	4216571.86	4.83E-04	5.21E-04	4.19E-04	4.61E-04	5.06E-05	7.47E-05	4.41E-05	4.60E-05
1458	567105.1	4216564.17	4.67E-04	5.04E-04	4.05E-04	4.46E-04	4.90E-05	7.22E-05	4.26E-05	4.45E-05
1459	567119.81	4216568.79	4.79E-04	5.18E-04	4.16E-04	4.58E-04	5.03E-05	7.42E-05	4.38E-05	4.57E-05
1460	567134.52	4216573.42	4.93E-04	5.32E-04	4.28E-04	4.71E-04	5.17E-05	7.63E-05	4.50E-05	4.70E-05
1461	567149.23	4216578.04	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.31E-05	7.84E-05	4.63E-05	4.83E-05
1462	567193.36	4216591.91	5.45E-04	5.89E-04	4.73E-04	5.21E-04	5.72E-05	8.44E-05	4.98E-05	5.20E-05
1463	567208.07	4216596.53	5.58E-04	6.02E-04	4.84E-04	5.33E-04	5.85E-05	8.64E-05	5.10E-05	5.32E-05
1464	567222.78	4216601.15	5.70E-04	6.16E-04	4.95E-04	5.45E-04	5.98E-05	8.83E-05	5.21E-05	5.44E-05
1465	567237.49	4216605.77	5.82E-04	6.29E-04	5.05E-04	5.56E-04	6.11E-05	9.02E-05	5.32E-05	5.55E-05
1466	567089.85	4216561.86	4.60E-04	4.96E-04	3.99E-04	4.39E-04	4.82E-05	7.11E-05	4.20E-05	4.38E-05
1467	567105.03	4216554.15	4.45E-04	4.80E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.07E-05	4.24E-05
1468	567119.59	4216558.72	4.57E-04	4.93E-04	3.96E-04	4.36E-04	4.79E-05	7.07E-05	4.17E-05	4.35E-05
1469	567134.15	4216563.3	4.69E-04	5.06E-04	4.07E-04	4.48E-04	4.92E-05	7.26E-05	4.28E-05	4.47E-05
1470	567148.71	4216567.87	4.81E-04	5.20E-04	4.18E-04	4.60E-04	5.05E-05	7.45E-05	4.40E-05	4.59E-05
1471	567163.27	4216572.45	4.94E-04	5.33E-04	4.28E-04	4.72E-04	5.18E-05	7.64E-05	4.51E-05	4.71E-05
1472	567206.95	4216586.18	5.29E-04	5.71E-04	4.59E-04	5.05E-04	5.55E-05	8.19E-05	4.83E-05	5.04E-05
1473	567221.51	4216590.75	5.40E-04	5.83E-04	4.69E-04	5.16E-04	5.66E-05	8.36E-05	4.93E-05	5.15E-05
1474	567236.07	4216595.33	5.51E-04	5.95E-04	4.78E-04	5.26E-04	5.78E-05	8.53E-05	5.03E-05	5.25E-05
1475	567089.85	4216551.86	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.78E-05	4.00E-05	4.18E-05
1476	567104.96	4216544.13	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
1477	567119.39	4216548.66	4.36E-04	4.71E-04	3.78E-04	4.16E-04	4.57E-05	6.75E-05	3.98E-05	4.15E-05
1478	567133.81	4216553.19	4.47E-04	4.82E-04	3.88E-04	4.27E-04	4.69E-05	6.92E-05	4.08E-05	4.26E-05
1479	567148.24	4216557.73	4.58E-04	4.95E-04	3.98E-04	4.38E-04	4.81E-05	7.09E-05	4.19E-05	4.37E-05
1480	567162.66	4216562.26	4.69E-04	5.07E-04	4.07E-04	4.48E-04	4.92E-05	7.27E-05	4.29E-05	4.47E-05
1481	567177.09	4216566.79	4.81E-04	5.19E-04	4.17E-04	4.59E-04	5.04E-05	7.44E-05	4.39E-05	4.58E-05
1482	567205.94	4216575.86	5.02E-04	5.42E-04	4.36E-04	4.80E-04	5.27E-05	7.77E-05	4.59E-05	4.79E-05
1483	567220.36	4216580.39	5.12E-04	5.53E-04	4.45E-04	4.89E-04	5.37E-05	7.93E-05	4.68E-05	4.88E-05
1484	567234.79	4216584.92	5.22E-04	5.64E-04	4.53E-04	4.99E-04	5.48E-05	8.08E-05	4.77E-05	4.98E-05
1485	567249.21	4216589.46	5.32E-04	5.74E-04	4.62E-04	5.08E-04	5.58E-05	8.24E-05	4.86E-05	5.07E-05
1486	567089.85	4216541.86	4.18E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.82E-05	3.99E-05
1487	567105.21	4216534.2	4.06E-04	4.39E-04	3.53E-04	3.88E-04	4.26E-05	6.29E-05	3.71E-05	3.87E-05
1488	567120.13	4216538.89	4.17E-04	4.50E-04	3.62E-04	3.98E-04	4.37E-05	6.45E-05	3.81E-05	3.97E-05
1489	567135.06	4216543.58	4.28E-04	4.62E-04	3.71E-04	4.08E-04	4.49E-05	6.62E-05	3.91E-05	4.08E-05
1490	567149.98	4216548.27	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.79E-05	4.00E-05	4.18E-05
1491	567164.9	4216552.96	4.49E-04	4.85E-04	3.90E-04	4.29E-04	4.71E-05	6.95E-05	4.10E-05	4.28E-05
1492	567179.82	4216557.65	4.60E-04	4.97E-04	3.99E-04	4.39E-04	4.83E-05	7.12E-05	4.20E-05	4.39E-05
1493	567194.74	4216562.34	4.71E-04	5.08E-04	4.08E-04	4.50E-04	4.94E-05	7.29E-05	4.30E-05	4.49E-05
1494	567209.67	4216567.03	4.81E-04	5.19E-04	4.17E-04	4.59E-04	5.04E-05	7.44E-05	4.39E-05	4.58E-05
1495	567224.59	4216571.72	4.90E-04	5.29E-04	4.26E-04	4.68E-04	5.14E-05	7.59E-05	4.48E-05	4.67E-05
1496	567239.51	4216576.41	5.00E-04	5.40E-04	4.34E-04	4.77E-04	5.24E-05	7.74E-05	4.57E-05	4.76E-05
1497	567254.43	4216581.1	5.09E-04	5.50E-04	4.42E-04	4.86E-04	5.34E-05	7.88E-05	4.65E-05	4.85E-05
1498	567089.85	4216531.86	4.00E-04	4.32E-04	3.47E-04	3.82E-04	4.20E-05	6.20E-05	3.66E-05	3.82E-05
1499	567105.14	4216524.18	3.89E-04	4.20E-04	3.37E-04	3.71E-04	4.08E-05	6.02E-05	3.55E-05	3.71E-05
1500	567119.92	4216528.83	3.99E-04	4.30E-04	3.46E-04	3.81E-04	4.18E-05	6.17E-05	3.64E-05	3.80E-05
1501	567134.69	4216533.47	4.09E-04	4.41E-04	3.55E-04	3.90E-04	4.29E-05	6.33E-05	3.73E-05	3.90E-05
1502	567149.47	4216538.11	4.19E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.82E-05	3.99E-05
1503	567164.25	4216542.76	4.29E-04	4.63E-04	3.72E-04	4.09E-04	4.49E-05	6.63E-05	3.91E-05	4.08E-05
1504	567179.02	4216547.4	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.79E-05	4.01E-05	4.18E-05
1505	567193.8	4216552.04	4.49E-04	4.84E-04	3.89E-04	4.28E-04	4.71E-05	6.94E-05	4.10E-05	4.28E-05
1506	567208.58	4216556.69	4.58E-04	4.94E-04	3.97E-04	4.38E-04	4.80E-05	7.09E-05	4.18E-05	4.37E-05
1507	567223.36	4216561.33	4.67E-04	5.04E-04	4.05E-04	4.46E-04	4.90E-05	7.23E-05	4.26E-05	4.45E-05
1508	567238.13	4216565.98	4.76E-04	5.13E-04	4.13E-04	4.54E-04	4.99E-05	7.36E-05	4.34E-05	4.53E-05

1509	567252.91	4216570.62	4.84E-04	5.23E-04	4.20E-04	4.62E-04	5.08E-05	7.49E-05	4.42E-05	4.61E-05
1510	567089.85	4216521.86	3.83E-04	4.14E-04	3.33E-04	3.66E-04	4.02E-05	5.93E-05	3.50E-05	3.65E-05
1511	567073.65	4216820.13	5.56E-03	6.00E-03	4.83E-03	5.31E-03	5.83E-04	8.61E-04	5.08E-04	5.30E-04
1512	567067.94	4216828.01	6.65E-03	7.18E-03	5.77E-03	6.36E-03	6.98E-04	1.03E-03	6.08E-04	6.34E-04
1513	567062.23	4216835.9	7.87E-03	8.49E-03	6.83E-03	7.51E-03	8.25E-04	1.22E-03	7.19E-04	7.50E-04
1514	567056.52	4216843.78	9.09E-03	9.81E-03	7.88E-03	8.68E-03	9.53E-04	1.41E-03	8.30E-04	8.66E-04
1515	567050.8	4216851.67	1.02E-02	1.10E-02	8.82E-03	9.72E-03	1.07E-03	1.57E-03	9.29E-04	9.69E-04
1516	567045.09	4216859.55	1.11E-02	1.20E-02	9.62E-03	1.06E-02	1.16E-03	1.72E-03	1.01E-03	1.06E-03
1517	567039.38	4216867.44	1.19E-02	1.28E-02	1.03E-02	1.13E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
1518	567033.67	4216875.32	1.25E-02	1.35E-02	1.09E-02	1.20E-02	1.31E-03	1.94E-03	1.14E-03	1.19E-03
1519	567027.96	4216883.21	1.31E-02	1.42E-02	1.14E-02	1.25E-02	1.38E-03	2.03E-03	1.20E-03	1.25E-03
1520	567022.24	4216891.09	1.36E-02	1.47E-02	1.18E-02	1.30E-02	1.43E-03	2.11E-03	1.25E-03	1.30E-03
1521	567016.53	4216898.98	1.40E-02	1.51E-02	1.22E-02	1.34E-02	1.47E-03	2.17E-03	1.28E-03	1.34E-03
1522	567010.82	4216906.86	1.43E-02	1.54E-02	1.24E-02	1.36E-02	1.50E-03	2.21E-03	1.31E-03	1.36E-03
1523	567005.11	4216914.75	1.44E-02	1.55E-02	1.25E-02	1.37E-02	1.51E-03	2.23E-03	1.31E-03	1.37E-03
1524	566999.39	4216922.63	1.44E-02	1.55E-02	1.25E-02	1.37E-02	1.51E-03	2.22E-03	1.31E-03	1.37E-03
1525	566993.68	4216930.52	1.42E-02	1.53E-02	1.23E-02	1.36E-02	1.49E-03	2.20E-03	1.30E-03	1.35E-03
1526	566987.97	4216938.4	1.39E-02	1.50E-02	1.21E-02	1.33E-02	1.46E-03	2.15E-03	1.27E-03	1.33E-03
1527	566982.26	4216946.29	1.34E-02	1.45E-02	1.16E-02	1.28E-02	1.41E-03	2.08E-03	1.23E-03	1.28E-03
1528	566976.55	4216954.17	1.27E-02	1.37E-02	1.10E-02	1.21E-02	1.33E-03	1.96E-03	1.16E-03	1.21E-03
1529	566970.83	4216962.06	1.17E-02	1.26E-02	1.01E-02	1.12E-02	1.22E-03	1.81E-03	1.07E-03	1.11E-03
1530	567070.88	4216809.7	4.37E-03	4.72E-03	3.79E-03	4.18E-03	4.59E-04	6.77E-04	3.99E-04	4.17E-04
1531	567059.84	4216822.14	5.55E-03	5.99E-03	4.82E-03	5.30E-03	5.82E-04	8.59E-04	5.07E-04	5.29E-04
1532	567054.13	4216830.03	6.44E-03	6.95E-03	5.58E-03	6.15E-03	6.75E-04	9.96E-04	5.88E-04	6.14E-04
1533	567048.42	4216837.91	7.33E-03	7.92E-03	6.36E-03	7.01E-03	7.69E-04	1.14E-03	6.70E-04	6.99E-04
1534	567042.71	4216845.8	8.19E-03	8.84E-03	7.11E-03	7.83E-03	8.59E-04	1.27E-03	7.48E-04	7.81E-04
1535	567036.99	4216853.68	8.95E-03	9.66E-03	7.76E-03	8.55E-03	9.39E-04	1.39E-03	8.18E-04	8.53E-04
1536	567031.28	4216861.57	9.62E-03	1.04E-02	8.35E-03	9.19E-03	1.01E-03	1.49E-03	8.79E-04	9.17E-04
1537	567025.57	4216869.45	1.02E-02	1.10E-02	8.85E-03	9.74E-03	1.07E-03	1.58E-03	9.32E-04	9.72E-04
1538	567019.86	4216877.34	1.07E-02	1.16E-02	9.30E-03	1.02E-02	1.12E-03	1.66E-03	9.79E-04	1.02E-03
1539	567014.15	4216885.22	1.12E-02	1.21E-02	9.70E-03	1.07E-02	1.17E-03	1.73E-03	1.02E-03	1.07E-03
1540	567008.43	4216893.11	1.15E-02	1.25E-02	1.00E-02	1.10E-02	1.21E-03	1.79E-03	1.05E-03	1.10E-03
1541	567002.72	4216900.99	1.18E-02	1.27E-02	1.02E-02	1.13E-02	1.24E-03	1.82E-03	1.08E-03	1.12E-03
1542	566997.01	4216908.88	1.19E-02	1.29E-02	1.03E-02	1.14E-02	1.25E-03	1.85E-03	1.09E-03	1.14E-03
1543	566991.3	4216916.76	1.20E-02	1.29E-02	1.04E-02	1.14E-02	1.25E-03	1.85E-03	1.09E-03	1.14E-03
1544	566985.58	4216924.65	1.19E-02	1.28E-02	1.03E-02	1.14E-02	1.25E-03	1.84E-03	1.09E-03	1.13E-03
1545	566979.87	4216932.53	1.17E-02	1.26E-02	1.02E-02	1.12E-02	1.23E-03	1.81E-03	1.07E-03	1.12E-03
1546	566974.16	4216940.42	1.14E-02	1.23E-02	9.86E-03	1.09E-02	1.19E-03	1.76E-03	1.04E-03	1.08E-03
1547	566968.45	4216948.3	1.09E-02	1.17E-02	9.42E-03	1.04E-02	1.14E-03	1.68E-03	9.92E-04	1.03E-03
1548	566962.74	4216956.19	1.02E-02	1.10E-02	8.84E-03	9.73E-03	1.07E-03	1.58E-03	9.30E-04	9.71E-04
1549	567064.56	4216802.31	3.76E-03	4.06E-03	3.26E-03	3.59E-03	3.94E-04	5.82E-04	3.43E-04	3.58E-04
1550	567057.46	4216808.39	4.16E-03	4.49E-03	3.61E-03	3.97E-03	4.36E-04	6.43E-04	3.80E-04	3.96E-04
1551	567051.74	4216816.28	4.76E-03	5.13E-03	4.13E-03	4.54E-03	4.99E-04	7.36E-04	4.34E-04	4.53E-04
1552	567046.03	4216824.16	5.43E-03	5.86E-03	4.71E-03	5.18E-03	5.69E-04	8.40E-04	4.96E-04	5.17E-04
1553	567040.32	4216832.05	6.12E-03	6.60E-03	5.31E-03	5.84E-03	6.42E-04	9.47E-04	5.59E-04	5.83E-04
1554	567034.61	4216839.93	6.79E-03	7.33E-03	5.89E-03	6.49E-03	7.13E-04	1.05E-03	6.21E-04	6.48E-04
1555	567028.9	4216847.82	7.42E-03	8.01E-03	6.44E-03	7.09E-03	7.79E-04	1.15E-03	6.78E-04	7.08E-04
1556	567023.18	4216855.7	8.00E-03	8.63E-03	6.94E-03	7.64E-03	8.39E-04	1.24E-03	7.30E-04	7.62E-04
1557	567017.47	4216863.59	8.52E-03	9.20E-03	7.40E-03	8.14E-03	8.94E-04	1.32E-03	7.79E-04	8.13E-04
1558	567011.76	4216871.47	8.99E-03	9.70E-03	7.80E-03	8.58E-03	9.42E-04	1.39E-03	8.21E-04	8.56E-04
1559	567006.05	4216879.36	9.38E-03	1.01E-02	8.14E-03	8.96E-03	9.84E-04	1.45E-03	8.57E-04	8.94E-04
1560	567000.33	4216887.24	9.71E-03	1.05E-02	8.42E-03	9.27E-03	1.02E-03	1.50E-03	8.87E-04	9.25E-04
1561	566994.62	4216895.13	9.94E-03	1.07E-02	8.63E-03	9.50E-03	1.04E-03	1.54E-03	9.08E-04	9.48E-04
1562	566988.91	4216903.01	1.01E-02	1.09E-02	8.77E-03	9.65E-03	1.06E-03	1.56E-03	9.23E-04	9.63E-04

1563	566983.2	4216910.9	1.02E-02	1.10E-02	8.83E-03	9.73E-03	1.07E-03	1.58E-03	9.30E-04	9.71E-04
1564	566977.49	4216918.78	1.02E-02	1.10E-02	8.82E-03	9.71E-03	1.07E-03	1.57E-03	9.29E-04	9.69E-04
1565	566971.77	4216926.67	1.00E-02	1.08E-02	8.71E-03	9.59E-03	1.05E-03	1.55E-03	9.17E-04	9.57E-04
1566	566966.06	4216934.55	9.80E-03	1.06E-02	8.51E-03	9.37E-03	1.03E-03	1.52E-03	8.96E-04	9.35E-04
1567	566960.35	4216942.44	9.45E-03	1.02E-02	8.20E-03	9.02E-03	9.91E-04	1.46E-03	8.63E-04	9.00E-04
1568	566954.64	4216950.32	8.98E-03	9.69E-03	7.79E-03	8.57E-03	9.42E-04	1.39E-03	8.20E-04	8.56E-04
1569	567055.28	4216797.46	3.41E-03	3.68E-03	2.96E-03	3.26E-03	3.58E-04	5.28E-04	3.12E-04	3.25E-04
1570	567074.7	4216785.5	2.84E-03	3.07E-03	2.47E-03	2.72E-03	2.98E-04	4.40E-04	2.60E-04	2.71E-04
1571	567043.65	4216810.41	4.16E-03	4.49E-03	3.61E-03	3.97E-03	4.36E-04	6.43E-04	3.80E-04	3.96E-04
1572	567037.93	4216818.3	4.68E-03	5.05E-03	4.06E-03	4.47E-03	4.91E-04	7.25E-04	4.28E-04	4.46E-04
1573	567032.22	4216826.18	5.23E-03	5.64E-03	4.54E-03	4.99E-03	5.48E-04	8.09E-04	4.78E-04	4.98E-04
1574	567026.51	4216834.07	5.77E-03	6.23E-03	5.01E-03	5.52E-03	6.06E-04	8.94E-04	5.27E-04	5.50E-04
1575	567020.8	4216841.95	6.30E-03	6.80E-03	5.47E-03	6.02E-03	6.61E-04	9.75E-04	5.75E-04	6.00E-04
1576	567015.09	4216849.84	6.80E-03	7.34E-03	5.90E-03	6.49E-03	7.13E-04	1.05E-03	6.21E-04	6.48E-04
1577	567009.37	4216857.72	7.25E-03	7.83E-03	6.29E-03	6.93E-03	7.61E-04	1.12E-03	6.63E-04	6.92E-04
1578	567003.66	4216865.61	7.66E-03	8.27E-03	6.65E-03	7.32E-03	8.04E-04	1.19E-03	7.00E-04	7.30E-04
1579	566997.95	4216873.49	8.01E-03	8.65E-03	6.95E-03	7.65E-03	8.40E-04	1.24E-03	7.32E-04	7.64E-04
1580	566992.24	4216881.38	8.31E-03	8.97E-03	7.21E-03	7.93E-03	8.71E-04	1.29E-03	7.59E-04	7.92E-04
1581	566986.52	4216889.26	8.53E-03	9.21E-03	7.40E-03	8.15E-03	8.95E-04	1.32E-03	7.80E-04	8.13E-04
1582	566980.81	4216897.15	8.70E-03	9.39E-03	7.55E-03	8.31E-03	9.12E-04	1.35E-03	7.95E-04	8.29E-04
1583	566975.1	4216905.03	8.79E-03	9.49E-03	7.63E-03	8.40E-03	9.22E-04	1.36E-03	8.03E-04	8.38E-04
1584	566969.39	4216912.92	8.80E-03	9.50E-03	7.64E-03	8.41E-03	9.23E-04	1.36E-03	8.04E-04	8.39E-04
1585	566963.68	4216920.8	8.73E-03	9.42E-03	7.57E-03	8.34E-03	9.16E-04	1.35E-03	7.97E-04	8.32E-04
1586	566957.96	4216928.69	8.57E-03	9.25E-03	7.43E-03	8.18E-03	8.99E-04	1.33E-03	7.83E-04	8.17E-04
1587	566952.25	4216936.57	8.31E-03	8.98E-03	7.21E-03	7.94E-03	8.72E-04	1.29E-03	7.59E-04	7.93E-04
1588	566946.54	4216944.46	7.98E-03	8.61E-03	6.92E-03	7.62E-03	8.37E-04	1.23E-03	7.29E-04	7.60E-04
1589	567048.36	4216790.58	3.03E-03	3.27E-03	2.63E-03	2.89E-03	3.18E-04	4.69E-04	2.77E-04	2.89E-04
1590	567055.47	4216784.5	2.78E-03	3.00E-03	2.41E-03	2.66E-03	2.92E-04	4.30E-04	2.54E-04	2.65E-04
1591	567071.67	4216776.23	2.48E-03	2.67E-03	2.15E-03	2.36E-03	2.60E-04	3.83E-04	2.26E-04	2.36E-04
1592	567041.26	4216796.66	3.29E-03	3.55E-03	2.85E-03	3.14E-03	3.45E-04	5.09E-04	3.00E-04	3.14E-04
1593	567035.55	4216804.54	3.68E-03	3.97E-03	3.19E-03	3.52E-03	3.86E-04	5.70E-04	3.36E-04	3.51E-04
1594	567029.84	4216812.43	4.11E-03	4.43E-03	3.56E-03	3.92E-03	4.31E-04	6.36E-04	3.75E-04	3.92E-04
1595	567024.12	4216820.31	4.55E-03	4.92E-03	3.95E-03	4.35E-03	4.78E-04	7.05E-04	4.16E-04	4.34E-04
1596	567018.41	4216828.2	5.00E-03	5.40E-03	4.34E-03	4.78E-03	5.24E-04	7.74E-04	4.57E-04	4.77E-04
1597	567012.7	4216836.08	5.44E-03	5.87E-03	4.72E-03	5.20E-03	5.71E-04	8.42E-04	4.97E-04	5.19E-04
1598	567006.99	4216843.97	5.87E-03	6.34E-03	5.09E-03	5.61E-03	6.16E-04	9.08E-04	5.36E-04	5.59E-04
1599	567001.27	4216851.85	6.26E-03	6.76E-03	5.43E-03	5.98E-03	6.57E-04	9.70E-04	5.72E-04	5.97E-04
1600	566995.56	4216859.74	6.62E-03	7.15E-03	5.74E-03	6.32E-03	6.94E-04	1.02E-03	6.05E-04	6.31E-04
1601	566989.85	4216867.62	6.93E-03	7.48E-03	6.02E-03	6.62E-03	7.27E-04	1.07E-03	6.33E-04	6.61E-04
1602	566984.14	4216875.51	7.20E-03	7.77E-03	6.25E-03	6.88E-03	7.55E-04	1.11E-03	6.58E-04	6.86E-04
1603	566978.43	4216883.39	7.41E-03	8.00E-03	6.43E-03	7.08E-03	7.78E-04	1.15E-03	6.77E-04	7.07E-04
1604	566972.71	4216891.28	7.57E-03	8.17E-03	6.57E-03	7.23E-03	7.94E-04	1.17E-03	6.92E-04	7.22E-04
1605	566967	4216899.16	7.67E-03	8.28E-03	6.66E-03	7.33E-03	8.05E-04	1.19E-03	7.01E-04	7.31E-04
1606	566961.29	4216907.05	7.70E-03	8.32E-03	6.68E-03	7.36E-03	8.08E-04	1.19E-03	7.04E-04	7.34E-04
1607	566955.58	4216914.93	7.67E-03	8.28E-03	6.65E-03	7.32E-03	8.04E-04	1.19E-03	7.00E-04	7.31E-04
1608	566949.86	4216922.82	7.56E-03	8.16E-03	6.56E-03	7.22E-03	7.93E-04	1.17E-03	6.91E-04	7.21E-04
1609	566944.15	4216930.7	7.38E-03	7.97E-03	6.41E-03	7.05E-03	7.74E-04	1.14E-03	6.74E-04	7.04E-04
1610	566938.44	4216938.59	7.14E-03	7.70E-03	6.19E-03	6.82E-03	7.49E-04	1.10E-03	6.52E-04	6.80E-04
1611	567039.38	4216785.47	2.77E-03	2.99E-03	2.41E-03	2.65E-03	2.91E-04	4.29E-04	2.53E-04	2.64E-04
1612	567051.81	4216774.83	2.41E-03	2.60E-03	2.09E-03	2.30E-03	2.53E-04	3.73E-04	2.20E-04	2.30E-04
1613	567065.98	4216767.6	2.20E-03	2.37E-03	1.91E-03	2.10E-03	2.30E-04	3.40E-04	2.01E-04	2.09E-04
1614	567027.45	4216798.68	3.29E-03	3.55E-03	2.86E-03	3.14E-03	3.45E-04	5.09E-04	3.01E-04	3.14E-04
1615	567021.74	4216806.56	3.65E-03	3.93E-03	3.16E-03	3.48E-03	3.82E-04	5.64E-04	3.33E-04	3.47E-04
1616	567016.03	4216814.45	4.01E-03	4.33E-03	3.48E-03	3.83E-03	4.21E-04	6.21E-04	3.67E-04	3.83E-04

1617	567010.31	4216822.33	4.39E-03	4.74E-03	3.81E-03	4.19E-03	4.60E-04	6.79E-04	4.01E-04	4.18E-04
1618	567004.6	4216830.22	4.76E-03	5.14E-03	4.13E-03	4.55E-03	4.99E-04	7.37E-04	4.35E-04	4.54E-04
1619	566998.89	4216838.1	5.12E-03	5.53E-03	4.45E-03	4.89E-03	5.38E-04	7.93E-04	4.68E-04	4.88E-04
1620	566993.18	4216845.99	5.48E-03	5.91E-03	4.75E-03	5.23E-03	5.74E-04	8.48E-04	5.00E-04	5.22E-04
1621	566987.46	4216853.87	5.79E-03	6.25E-03	5.02E-03	5.53E-03	6.07E-04	8.96E-04	5.29E-04	5.52E-04
1622	566981.75	4216861.76	6.07E-03	6.55E-03	5.26E-03	5.79E-03	6.36E-04	9.39E-04	5.54E-04	5.78E-04
1623	566976.04	4216869.64	6.31E-03	6.81E-03	5.47E-03	6.02E-03	6.61E-04	9.76E-04	5.76E-04	6.01E-04
1624	566970.33	4216877.53	6.50E-03	7.02E-03	5.64E-03	6.21E-03	6.82E-04	1.01E-03	5.94E-04	6.20E-04
1625	566964.62	4216885.41	6.66E-03	7.18E-03	5.77E-03	6.36E-03	6.98E-04	1.03E-03	6.08E-04	6.34E-04
1626	566958.9	4216893.3	6.76E-03	7.29E-03	5.86E-03	6.45E-03	7.09E-04	1.05E-03	6.17E-04	6.44E-04
1627	566953.19	4216901.18	6.80E-03	7.34E-03	5.90E-03	6.50E-03	7.14E-04	1.05E-03	6.21E-04	6.48E-04
1628	566947.48	4216909.07	6.79E-03	7.33E-03	5.89E-03	6.49E-03	7.13E-04	1.05E-03	6.21E-04	6.48E-04
1629	566941.77	4216916.95	6.73E-03	7.26E-03	5.84E-03	6.43E-03	7.06E-04	1.04E-03	6.14E-04	6.41E-04
1630	566936.05	4216924.84	6.60E-03	7.13E-03	5.73E-03	6.31E-03	6.92E-04	1.02E-03	6.03E-04	6.29E-04
1631	566930.34	4216932.72	6.42E-03	6.93E-03	5.57E-03	6.13E-03	6.74E-04	9.94E-04	5.87E-04	6.12E-04
1632	567032.17	4216778.85	2.51E-03	2.70E-03	2.17E-03	2.39E-03	2.63E-04	3.88E-04	2.29E-04	2.39E-04
1633	567039.27	4216772.77	2.33E-03	2.51E-03	2.02E-03	2.22E-03	2.44E-04	3.60E-04	2.13E-04	2.22E-04
1634	567046.38	4216766.68	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.34E-04	1.97E-04	2.06E-04
1635	567062.57	4216758.42	1.95E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.86E-04
1636	567025.06	4216784.93	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.82E-04	4.17E-04	2.46E-04	2.57E-04
1637	567019.35	4216792.81	2.97E-03	3.21E-03	2.58E-03	2.84E-03	3.12E-04	4.60E-04	2.71E-04	2.83E-04
1638	567013.64	4216800.7	3.27E-03	3.53E-03	2.84E-03	3.12E-03	3.43E-04	5.06E-04	2.98E-04	3.11E-04
1639	567007.93	4216808.58	3.58E-03	3.86E-03	3.10E-03	3.42E-03	3.75E-04	5.54E-04	3.27E-04	3.41E-04
1640	567002.22	4216816.47	3.89E-03	4.20E-03	3.38E-03	3.72E-03	4.08E-04	6.02E-04	3.55E-04	3.71E-04
1641	566996.5	4216824.35	4.21E-03	4.54E-03	3.65E-03	4.02E-03	4.41E-04	6.51E-04	3.84E-04	4.01E-04
1642	566990.79	4216832.24	4.52E-03	4.88E-03	3.92E-03	4.32E-03	4.74E-04	7.00E-04	4.13E-04	4.31E-04
1643	566985.08	4216840.12	4.83E-03	5.21E-03	4.19E-03	4.61E-03	5.06E-04	7.47E-04	4.41E-04	4.60E-04
1644	566979.37	4216848.01	5.11E-03	5.52E-03	4.43E-03	4.88E-03	5.36E-04	7.91E-04	4.67E-04	4.87E-04
1645	566973.65	4216855.89	5.36E-03	5.78E-03	4.65E-03	5.12E-03	5.62E-04	8.29E-04	4.89E-04	5.11E-04
1646	566967.94	4216863.78	5.57E-03	6.02E-03	4.84E-03	5.32E-03	5.85E-04	8.63E-04	5.09E-04	5.31E-04
1647	566962.23	4216871.66	5.75E-03	6.21E-03	4.99E-03	5.50E-03	6.04E-04	8.91E-04	5.26E-04	5.48E-04
1648	566956.52	4216879.55	5.90E-03	6.37E-03	5.12E-03	5.63E-03	6.19E-04	9.13E-04	5.39E-04	5.62E-04
1649	566950.81	4216887.43	6.00E-03	6.47E-03	5.20E-03	5.73E-03	6.29E-04	9.28E-04	5.48E-04	5.72E-04
1650	566945.09	4216895.32	6.05E-03	6.53E-03	5.25E-03	5.78E-03	6.35E-04	9.37E-04	5.53E-04	5.77E-04
1651	566939.38	4216903.2	6.06E-03	6.55E-03	5.26E-03	5.79E-03	6.36E-04	9.39E-04	5.54E-04	5.78E-04
1652	566933.67	4216911.09	6.03E-03	6.50E-03	5.23E-03	5.76E-03	6.32E-04	9.33E-04	5.50E-04	5.74E-04
1653	566927.96	4216918.97	5.94E-03	6.41E-03	5.15E-03	5.67E-03	6.23E-04	9.19E-04	5.43E-04	5.66E-04
1654	566922.24	4216926.86	5.81E-03	6.27E-03	5.04E-03	5.55E-03	6.09E-04	8.99E-04	5.31E-04	5.54E-04
1655	567023.36	4216773.59	2.32E-03	2.50E-03	2.01E-03	2.21E-03	2.43E-04	3.58E-04	2.11E-04	2.21E-04
1656	567036.15	4216762.64	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
1657	567057.12	4216749.73	1.76E-03	1.90E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1658	567011.25	4216786.94	2.70E-03	2.92E-03	2.35E-03	2.58E-03	2.84E-04	4.18E-04	2.47E-04	2.58E-04
1659	567005.54	4216794.83	2.96E-03	3.19E-03	2.57E-03	2.82E-03	3.10E-04	4.58E-04	2.70E-04	2.82E-04
1660	566999.83	4216802.71	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.38E-04	4.98E-04	2.94E-04	3.07E-04
1661	566994.12	4216810.6	3.49E-03	3.76E-03	3.02E-03	3.33E-03	3.66E-04	5.39E-04	3.18E-04	3.32E-04
1662	566988.4	4216818.48	3.76E-03	4.06E-03	3.26E-03	3.59E-03	3.94E-04	5.82E-04	3.43E-04	3.58E-04
1663	566982.69	4216826.37	4.03E-03	4.35E-03	3.50E-03	3.85E-03	4.23E-04	6.24E-04	3.68E-04	3.84E-04
1664	566976.98	4216834.25	4.30E-03	4.64E-03	3.73E-03	4.10E-03	4.51E-04	6.65E-04	3.92E-04	4.09E-04
1665	566971.27	4216842.14	4.54E-03	4.91E-03	3.94E-03	4.34E-03	4.77E-04	7.03E-04	4.15E-04	4.33E-04
1666	566965.56	4216850.02	4.77E-03	5.15E-03	4.14E-03	4.56E-03	5.00E-04	7.38E-04	4.36E-04	4.55E-04
1667	566959.84	4216857.91	4.96E-03	5.36E-03	4.31E-03	4.74E-03	5.21E-04	7.68E-04	4.53E-04	4.73E-04
1668	566954.13	4216865.79	5.13E-03	5.54E-03	4.45E-03	4.90E-03	5.38E-04	7.94E-04	4.68E-04	4.89E-04
1669	566948.42	4216873.68	5.26E-03	5.68E-03	4.57E-03	5.03E-03	5.52E-04	8.15E-04	4.81E-04	5.02E-04
1670	566942.71	4216881.56	5.36E-03	5.79E-03	4.65E-03	5.12E-03	5.62E-04	8.30E-04	4.90E-04	5.11E-04

1671	566936.99	4216889.45	5.42E-03	5.85E-03	4.70E-03	5.18E-03	5.69E-04	8.39E-04	4.95E-04	5.17E-04
1672	566931.28	4216897.33	5.45E-03	5.88E-03	4.72E-03	5.20E-03	5.71E-04	8.43E-04	4.97E-04	5.19E-04
1673	566925.57	4216905.22	5.43E-03	5.86E-03	4.71E-03	5.19E-03	5.69E-04	8.40E-04	4.96E-04	5.17E-04
1674	566919.86	4216913.1	5.37E-03	5.80E-03	4.66E-03	5.13E-03	5.63E-04	8.32E-04	4.91E-04	5.12E-04
1675	566914.15	4216920.99	5.28E-03	5.70E-03	4.58E-03	5.04E-03	5.54E-04	8.17E-04	4.82E-04	5.03E-04
1676	567015.97	4216767.11	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.29E-04	1.94E-04	2.03E-04
1677	567023.08	4216761.03	1.99E-03	2.14E-03	1.72E-03	1.90E-03	2.08E-04	3.08E-04	1.81E-04	1.89E-04
1678	567030.18	4216754.95	1.86E-03	2.01E-03	1.61E-03	1.78E-03	1.95E-04	2.88E-04	1.70E-04	1.77E-04
1679	567008.87	4216773.19	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
1680	567003.16	4216781.08	2.48E-03	2.67E-03	2.15E-03	2.37E-03	2.60E-04	3.83E-04	2.26E-04	2.36E-04
1681	566997.44	4216788.96	2.70E-03	2.91E-03	2.34E-03	2.58E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
1682	566991.73	4216796.85	2.92E-03	3.15E-03	2.54E-03	2.79E-03	3.07E-04	4.52E-04	2.67E-04	2.79E-04
1683	566986.02	4216804.73	3.15E-03	3.41E-03	2.74E-03	3.01E-03	3.31E-04	4.88E-04	2.88E-04	3.01E-04
1684	566980.31	4216812.62	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.55E-04	5.24E-04	3.10E-04	3.23E-04
1685	566974.59	4216820.5	3.62E-03	3.91E-03	3.14E-03	3.46E-03	3.80E-04	5.61E-04	3.31E-04	3.45E-04
1686	566968.88	4216828.39	3.85E-03	4.16E-03	3.34E-03	3.68E-03	4.04E-04	5.96E-04	3.52E-04	3.67E-04
1687	566963.17	4216836.27	4.07E-03	4.40E-03	3.53E-03	3.89E-03	4.27E-04	6.30E-04	3.72E-04	3.88E-04
1688	566957.46	4216844.16	4.27E-03	4.61E-03	3.71E-03	4.08E-03	4.48E-04	6.62E-04	3.90E-04	4.07E-04
1689	566951.75	4216852.04	4.45E-03	4.81E-03	3.86E-03	4.25E-03	4.67E-04	6.89E-04	4.07E-04	4.24E-04
1690	566946.03	4216859.93	4.60E-03	4.97E-03	3.99E-03	4.40E-03	4.83E-04	7.12E-04	4.20E-04	4.39E-04
1691	566940.32	4216867.81	4.73E-03	5.10E-03	4.10E-03	4.51E-03	4.96E-04	7.32E-04	4.32E-04	4.51E-04
1692	566934.61	4216875.7	4.82E-03	5.21E-03	4.18E-03	4.61E-03	5.06E-04	7.46E-04	4.40E-04	4.60E-04
1693	566928.9	4216883.58	4.89E-03	5.27E-03	4.24E-03	4.67E-03	5.13E-04	7.56E-04	4.46E-04	4.66E-04
1694	566923.18	4216891.47	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.61E-04	4.49E-04	4.69E-04
1695	566917.47	4216899.35	4.92E-03	5.31E-03	4.27E-03	4.70E-03	5.16E-04	7.61E-04	4.49E-04	4.69E-04
1696	566911.76	4216907.24	4.88E-03	5.27E-03	4.24E-03	4.66E-03	5.12E-04	7.56E-04	4.46E-04	4.65E-04
1697	566906.05	4216915.12	4.81E-03	5.20E-03	4.18E-03	4.60E-03	5.05E-04	7.45E-04	4.40E-04	4.59E-04
1698	567007.28	4216761.75	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
1699	566995.06	4216775.21	2.28E-03	2.46E-03	1.98E-03	2.18E-03	2.39E-04	3.53E-04	2.08E-04	2.17E-04
1700	566989.34	4216783.1	2.47E-03	2.67E-03	2.15E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
1701	566983.63	4216790.98	2.67E-03	2.88E-03	2.32E-03	2.55E-03	2.80E-04	4.14E-04	2.44E-04	2.55E-04
1702	566977.92	4216798.87	2.87E-03	3.10E-03	2.49E-03	2.75E-03	3.01E-04	4.45E-04	2.63E-04	2.74E-04
1703	566972.21	4216806.75	3.08E-03	3.32E-03	2.67E-03	2.94E-03	3.23E-04	4.76E-04	2.81E-04	2.93E-04
1704	566966.5	4216814.64	3.28E-03	3.54E-03	2.85E-03	3.13E-03	3.44E-04	5.08E-04	3.00E-04	3.13E-04
1705	566960.78	4216822.52	3.48E-03	3.76E-03	3.02E-03	3.32E-03	3.65E-04	5.39E-04	3.18E-04	3.32E-04
1706	566955.07	4216830.41	3.67E-03	3.97E-03	3.19E-03	3.51E-03	3.85E-04	5.69E-04	3.36E-04	3.50E-04
1707	566949.36	4216838.29	3.85E-03	4.16E-03	3.34E-03	3.68E-03	4.04E-04	5.96E-04	3.52E-04	3.67E-04
1708	566943.65	4216846.18	4.02E-03	4.34E-03	3.49E-03	3.84E-03	4.21E-04	6.22E-04	3.67E-04	3.83E-04
1709	566937.93	4216854.06	4.15E-03	4.48E-03	3.60E-03	3.97E-03	4.36E-04	6.43E-04	3.79E-04	3.96E-04
1710	566932.22	4216861.95	4.27E-03	4.61E-03	3.70E-03	4.08E-03	4.48E-04	6.61E-04	3.90E-04	4.07E-04
1711	566926.51	4216869.83	4.36E-03	4.71E-03	3.78E-03	4.16E-03	4.57E-04	6.75E-04	3.98E-04	4.16E-04
1712	566920.8	4216877.72	4.43E-03	4.78E-03	3.84E-03	4.23E-03	4.64E-04	6.85E-04	4.04E-04	4.22E-04
1713	566915.09	4216885.6	4.46E-03	4.82E-03	3.87E-03	4.26E-03	4.68E-04	6.91E-04	4.08E-04	4.25E-04
1714	566909.37	4216893.49	4.47E-03	4.83E-03	3.88E-03	4.27E-03	4.69E-04	6.92E-04	4.09E-04	4.26E-04
1715	566903.66	4216901.37	4.45E-03	4.81E-03	3.86E-03	4.25E-03	4.67E-04	6.89E-04	4.07E-04	4.25E-04
1716	566897.95	4216909.26	4.41E-03	4.76E-03	3.82E-03	4.21E-03	4.62E-04	6.82E-04	4.03E-04	4.20E-04
1717	567044.39	4216722.79	1.34E-03	1.44E-03	1.16E-03	1.28E-03	1.40E-04	2.07E-04	1.22E-04	1.28E-04
1718	567053.48	4216720.6	1.31E-03	1.41E-03	1.14E-03	1.25E-03	1.37E-04	2.03E-04	1.20E-04	1.25E-04
1719	567062.57	4216718.42	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
1720	567071.67	4216716.23	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.94E-04	1.15E-04	1.20E-04
1721	567080.76	4216714.05	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1722	566986.96	4216769.34	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.21E-04	3.27E-04	1.93E-04	2.01E-04
1723	566981.25	4216777.23	2.28E-03	2.46E-03	1.98E-03	2.18E-03	2.39E-04	3.53E-04	2.08E-04	2.17E-04
1724	566975.53	4216785.11	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.80E-04	2.24E-04	2.34E-04

1725	566969.82	4216793	2.63E-03	2.84E-03	2.28E-03	2.52E-03	2.76E-04	4.08E-04	2.41E-04	2.51E-04
1726	566964.11	4216800.88	2.81E-03	3.04E-03	2.44E-03	2.69E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
1727	566958.4	4216808.77	2.99E-03	3.23E-03	2.59E-03	2.86E-03	3.14E-04	4.63E-04	2.73E-04	2.85E-04
1728	566952.69	4216816.65	3.16E-03	3.41E-03	2.74E-03	3.02E-03	3.32E-04	4.90E-04	2.89E-04	3.01E-04
1729	566946.97	4216824.54	3.33E-03	3.60E-03	2.89E-03	3.18E-03	3.50E-04	5.16E-04	3.05E-04	3.18E-04
1730	566941.26	4216832.42	3.49E-03	3.77E-03	3.03E-03	3.34E-03	3.66E-04	5.41E-04	3.19E-04	3.33E-04
1731	566935.55	4216840.31	3.64E-03	3.93E-03	3.16E-03	3.48E-03	3.82E-04	5.64E-04	3.33E-04	3.47E-04
1732	566929.84	4216848.19	3.77E-03	4.07E-03	3.27E-03	3.60E-03	3.95E-04	5.83E-04	3.44E-04	3.59E-04
1733	566924.12	4216856.08	3.87E-03	4.18E-03	3.36E-03	3.70E-03	4.06E-04	5.99E-04	3.54E-04	3.69E-04
1734	566918.41	4216863.96	3.96E-03	4.27E-03	3.43E-03	3.78E-03	4.15E-04	6.13E-04	3.62E-04	3.77E-04
1735	566912.7	4216871.85	4.03E-03	4.35E-03	3.49E-03	3.85E-03	4.22E-04	6.23E-04	3.68E-04	3.84E-04
1736	566906.99	4216879.73	4.07E-03	4.39E-03	3.53E-03	3.89E-03	4.27E-04	6.30E-04	3.72E-04	3.88E-04
1737	566901.28	4216887.62	4.09E-03	4.41E-03	3.55E-03	3.90E-03	4.29E-04	6.33E-04	3.73E-04	3.90E-04
1738	566895.56	4216895.5	4.08E-03	4.40E-03	3.54E-03	3.90E-03	4.28E-04	6.32E-04	3.73E-04	3.89E-04
1739	566889.85	4216903.39	4.05E-03	4.37E-03	3.51E-03	3.87E-03	4.25E-04	6.27E-04	3.70E-04	3.86E-04
1740	567004.36	4216738.65	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
1741	567017.56	4216727.36	1.40E-03	1.51E-03	1.21E-03	1.33E-03	1.46E-04	2.16E-04	1.28E-04	1.33E-04
1742	567039.19	4216714.04	1.24E-03	1.33E-03	1.07E-03	1.18E-03	1.30E-04	1.91E-04	1.13E-04	1.18E-04
1743	567056.08	4216709.98	1.19E-03	1.28E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.13E-04
1744	567072.96	4216705.92	1.15E-03	1.24E-03	9.94E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
1745	566973.15	4216771.36	2.11E-03	2.28E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.93E-04	2.01E-04
1746	566967.44	4216779.25	2.27E-03	2.45E-03	1.97E-03	2.16E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
1747	566961.72	4216787.13	2.42E-03	2.62E-03	2.10E-03	2.32E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
1748	566956.01	4216795.02	2.58E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.46E-04
1749	566950.3	4216802.9	2.74E-03	2.96E-03	2.38E-03	2.62E-03	2.87E-04	4.24E-04	2.50E-04	2.61E-04
1750	566944.59	4216810.79	2.89E-03	3.12E-03	2.51E-03	2.76E-03	3.03E-04	4.48E-04	2.64E-04	2.76E-04
1751	566938.87	4216818.67	3.04E-03	3.28E-03	2.64E-03	2.91E-03	3.19E-04	4.71E-04	2.78E-04	2.90E-04
1752	566933.16	4216826.56	3.19E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
1753	566927.45	4216834.44	3.32E-03	3.58E-03	2.88E-03	3.17E-03	3.48E-04	5.13E-04	3.03E-04	3.16E-04
1754	566921.74	4216842.33	3.43E-03	3.70E-03	2.98E-03	3.28E-03	3.60E-04	5.31E-04	3.13E-04	3.27E-04
1755	566916.03	4216850.21	3.53E-03	3.81E-03	3.06E-03	3.37E-03	3.70E-04	5.46E-04	3.22E-04	3.36E-04
1756	566910.31	4216858.1	3.61E-03	3.90E-03	3.13E-03	3.45E-03	3.79E-04	5.59E-04	3.30E-04	3.44E-04
1757	566904.6	4216865.98	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.50E-04
1758	566898.89	4216873.87	3.72E-03	4.02E-03	3.23E-03	3.56E-03	3.91E-04	5.77E-04	3.40E-04	3.55E-04
1759	566893.18	4216881.75	3.75E-03	4.05E-03	3.25E-03	3.58E-03	3.93E-04	5.80E-04	3.42E-04	3.57E-04
1760	566887.46	4216889.64	3.75E-03	4.05E-03	3.25E-03	3.58E-03	3.93E-04	5.81E-04	3.43E-04	3.58E-04
1761	566881.75	4216897.52	3.73E-03	4.03E-03	3.24E-03	3.56E-03	3.91E-04	5.78E-04	3.41E-04	3.56E-04
1762	566983.58	4216743.65	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
1763	566990.68	4216737.57	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.46E-04
1764	566997.79	4216731.48	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
1765	567004.89	4216725.4	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
1766	567012	4216719.32	1.30E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.01E-04	1.18E-04	1.24E-04
1767	567035.3	4216704.98	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
1768	567044.39	4216702.79	1.12E-03	1.21E-03	9.72E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.07E-04
1769	567053.48	4216700.6	1.10E-03	1.19E-03	9.53E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
1770	567062.57	4216698.42	1.08E-03	1.16E-03	9.35E-04	1.03E-03	1.13E-04	1.67E-04	9.84E-05	1.03E-04
1771	567071.67	4216696.23	1.06E-03	1.14E-03	9.17E-04	1.01E-03	1.11E-04	1.64E-04	9.66E-05	1.01E-04
1772	567080.76	4216694.05	1.04E-03	1.12E-03	9.01E-04	9.92E-04	1.09E-04	1.61E-04	9.48E-05	9.90E-05
1773	566975.04	4216738.16	1.52E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
1774	566988.36	4216726.76	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.31E-04
1775	567001.68	4216715.36	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
1776	567015	4216703.96	1.13E-03	1.22E-03	9.84E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
1777	567030.18	4216696.21	1.06E-03	1.15E-03	9.22E-04	1.01E-03	1.11E-04	1.64E-04	9.70E-05	1.01E-04
1778	567047.23	4216692.11	1.03E-03	1.11E-03	8.89E-04	9.79E-04	1.08E-04	1.59E-04	9.36E-05	9.77E-05

1779	567064.28	4216688.01	9.90E-04	1.07E-03	8.59E-04	9.45E-04	1.04E-04	1.53E-04	9.04E-05	9.43E-05
1780	566939.82	4216783.28	2.21E-03	2.38E-03	1.91E-03	2.11E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
1781	566934.1	4216791.17	2.33E-03	2.52E-03	2.02E-03	2.23E-03	2.45E-04	3.61E-04	2.13E-04	2.22E-04
1782	566928.39	4216799.05	2.45E-03	2.65E-03	2.13E-03	2.34E-03	2.57E-04	3.80E-04	2.24E-04	2.34E-04
1783	566922.68	4216806.94	2.57E-03	2.78E-03	2.23E-03	2.46E-03	2.70E-04	3.98E-04	2.35E-04	2.45E-04
1784	566916.97	4216814.82	2.68E-03	2.90E-03	2.33E-03	2.56E-03	2.82E-04	4.16E-04	2.45E-04	2.56E-04
1785	566911.25	4216822.71	2.79E-03	3.01E-03	2.42E-03	2.66E-03	2.93E-04	4.32E-04	2.55E-04	2.66E-04
1786	566905.54	4216830.59	2.88E-03	3.11E-03	2.50E-03	2.76E-03	3.03E-04	4.46E-04	2.63E-04	2.75E-04
1787	566899.83	4216838.48	2.97E-03	3.20E-03	2.58E-03	2.84E-03	3.11E-04	4.59E-04	2.71E-04	2.83E-04
1788	566894.12	4216846.36	3.04E-03	3.28E-03	2.64E-03	2.90E-03	3.19E-04	4.71E-04	2.78E-04	2.90E-04
1789	566888.41	4216854.25	3.10E-03	3.35E-03	2.69E-03	2.96E-03	3.26E-04	4.80E-04	2.83E-04	2.96E-04
1790	566882.69	4216862.13	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.31E-04	4.88E-04	2.88E-04	3.00E-04
1791	566876.98	4216870.02	3.18E-03	3.44E-03	2.76E-03	3.04E-03	3.34E-04	4.93E-04	2.91E-04	3.04E-04
1792	566871.27	4216877.9	3.20E-03	3.45E-03	2.78E-03	3.06E-03	3.36E-04	4.95E-04	2.92E-04	3.05E-04
1793	566967.38	4216731.91	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
1794	566974.49	4216725.83	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.25E-04	1.30E-04
1795	566981.59	4216719.75	1.30E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.01E-04	1.18E-04	1.23E-04
1796	566988.7	4216713.67	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1797	566995.8	4216707.59	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
1798	567002.9	4216701.51	1.11E-03	1.20E-03	9.65E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
1799	567010.01	4216695.43	1.06E-03	1.14E-03	9.18E-04	1.01E-03	1.11E-04	1.64E-04	9.67E-05	1.01E-04
1800	567026.21	4216687.16	9.88E-04	1.07E-03	8.57E-04	9.44E-04	1.04E-04	1.53E-04	9.02E-05	9.42E-05
1801	567035.3	4216684.98	9.70E-04	1.05E-03	8.41E-04	9.26E-04	1.02E-04	1.50E-04	8.86E-05	9.24E-05
1802	567044.39	4216682.79	9.52E-04	1.03E-03	8.26E-04	9.09E-04	9.99E-05	1.47E-04	8.70E-05	9.07E-05
1803	567053.48	4216680.6	9.35E-04	1.01E-03	8.12E-04	8.93E-04	9.81E-05	1.45E-04	8.54E-05	8.92E-05
1804	567062.57	4216678.42	9.19E-04	9.92E-04	7.97E-04	8.78E-04	9.64E-05	1.42E-04	8.39E-05	8.76E-05
1805	567071.67	4216676.23	9.03E-04	9.75E-04	7.83E-04	8.63E-04	9.47E-05	1.40E-04	8.25E-05	8.61E-05
1806	567080.76	4216674.05	8.89E-04	9.59E-04	7.71E-04	8.49E-04	9.32E-05	1.38E-04	8.12E-05	8.47E-05
1807	566960.28	4216737.99	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.33E-04	1.38E-04	1.44E-04
1808	566954.57	4216745.88	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
1809	566926	4216785.3	2.16E-03	2.34E-03	1.88E-03	2.07E-03	2.27E-04	3.35E-04	1.98E-04	2.06E-04
1810	566920.29	4216793.19	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.52E-04	2.08E-04	2.17E-04
1811	566914.58	4216801.07	2.38E-03	2.57E-03	2.07E-03	2.27E-03	2.50E-04	3.68E-04	2.17E-04	2.27E-04
1812	566908.87	4216808.96	2.48E-03	2.68E-03	2.15E-03	2.37E-03	2.60E-04	3.84E-04	2.27E-04	2.37E-04
1813	566903.16	4216816.84	2.58E-03	2.78E-03	2.24E-03	2.46E-03	2.70E-04	3.99E-04	2.35E-04	2.46E-04
1814	566897.44	4216824.73	2.66E-03	2.88E-03	2.31E-03	2.54E-03	2.79E-04	4.12E-04	2.43E-04	2.54E-04
1815	566891.73	4216832.61	2.74E-03	2.96E-03	2.38E-03	2.62E-03	2.88E-04	4.24E-04	2.50E-04	2.61E-04
1816	566886.02	4216840.5	2.81E-03	3.03E-03	2.44E-03	2.68E-03	2.95E-04	4.35E-04	2.57E-04	2.68E-04
1817	566880.31	4216848.38	2.87E-03	3.09E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
1818	566874.59	4216856.27	2.91E-03	3.15E-03	2.53E-03	2.78E-03	3.06E-04	4.51E-04	2.66E-04	2.78E-04
1819	566868.88	4216864.15	2.95E-03	3.18E-03	2.56E-03	2.81E-03	3.09E-04	4.56E-04	2.69E-04	2.81E-04
1820	566863.17	4216872.04	2.96E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.83E-04
1821	566958.89	4216726.38	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
1822	566965.6	4216720.64	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
1823	566979.02	4216709.16	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
1824	566992.44	4216697.67	1.08E-03	1.16E-03	9.35E-04	1.03E-03	1.13E-04	1.67E-04	9.85E-05	1.03E-04
1825	567005.86	4216686.18	9.84E-04	1.06E-03	8.54E-04	9.40E-04	1.03E-04	1.52E-04	8.99E-05	9.38E-05
1826	567038.33	4216674.25	8.93E-04	9.64E-04	7.74E-04	8.53E-04	9.36E-05	1.38E-04	8.15E-05	8.51E-05
1827	567055.5	4216670.12	8.64E-04	9.33E-04	7.50E-04	8.26E-04	9.07E-05	1.34E-04	7.90E-05	8.24E-05
1828	567072.68	4216665.99	8.38E-04	9.04E-04	7.27E-04	8.00E-04	8.79E-05	1.30E-04	7.65E-05	7.99E-05
1829	566946.47	4216740.01	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
1830	566912.19	4216787.32	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.01E-04
1831	566906.48	4216795.21	2.21E-03	2.39E-03	1.92E-03	2.11E-03	2.32E-04	3.42E-04	2.02E-04	2.11E-04
1832	566900.77	4216803.09	2.30E-03	2.49E-03	2.00E-03	2.20E-03	2.41E-04	3.56E-04	2.10E-04	2.19E-04

1833	566895.06	4216810.98	2.39E-03	2.58E-03	2.07E-03	2.28E-03	2.51E-04	3.70E-04	2.18E-04	2.28E-04
1834	566889.35	4216818.86	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.26E-04	2.35E-04
1835	566883.63	4216826.75	2.54E-03	2.74E-03	2.21E-03	2.43E-03	2.67E-04	3.93E-04	2.32E-04	2.42E-04
1836	566877.92	4216834.63	2.60E-03	2.81E-03	2.26E-03	2.49E-03	2.73E-04	4.03E-04	2.38E-04	2.48E-04
1837	566872.21	4216842.52	2.66E-03	2.87E-03	2.31E-03	2.54E-03	2.79E-04	4.11E-04	2.43E-04	2.53E-04
1838	566866.5	4216850.4	2.70E-03	2.92E-03	2.34E-03	2.58E-03	2.83E-04	4.18E-04	2.47E-04	2.58E-04
1839	566860.78	4216858.29	2.74E-03	2.95E-03	2.37E-03	2.61E-03	2.87E-04	4.23E-04	2.50E-04	2.61E-04
1840	566855.07	4216866.17	2.75E-03	2.97E-03	2.39E-03	2.63E-03	2.89E-04	4.26E-04	2.52E-04	2.63E-04
1841	566951.19	4216720.18	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.23E-04
1842	566958.29	4216714.1	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
1843	566965.39	4216708.02	1.17E-03	1.26E-03	1.02E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.12E-04
1844	566972.5	4216701.94	1.12E-03	1.20E-03	9.68E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
1845	566979.6	4216695.86	1.06E-03	1.15E-03	9.23E-04	1.02E-03	1.12E-04	1.65E-04	9.72E-05	1.01E-04
1846	566986.71	4216689.78	1.01E-03	1.10E-03	8.80E-04	9.69E-04	1.06E-04	1.57E-04	9.27E-05	9.67E-05
1847	566993.81	4216683.7	9.68E-04	1.04E-03	8.39E-04	9.24E-04	1.01E-04	1.50E-04	8.84E-05	9.22E-05
1848	567000.92	4216677.62	9.23E-04	9.97E-04	8.01E-04	8.82E-04	9.69E-05	1.43E-04	8.43E-05	8.80E-05
1849	567026.21	4216667.16	8.49E-04	9.16E-04	7.36E-04	8.11E-04	8.90E-05	1.31E-04	7.75E-05	8.09E-05
1850	567035.3	4216664.98	8.34E-04	9.01E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05
1851	567044.39	4216662.79	8.21E-04	8.86E-04	7.12E-04	7.84E-04	8.61E-05	1.27E-04	7.50E-05	7.82E-05
1852	567053.48	4216660.6	8.08E-04	8.72E-04	7.01E-04	7.71E-04	8.47E-05	1.25E-04	7.38E-05	7.70E-05
1853	567062.57	4216658.42	7.95E-04	8.58E-04	6.90E-04	7.59E-04	8.34E-05	1.23E-04	7.26E-05	7.58E-05
1854	567071.67	4216656.23	7.83E-04	8.45E-04	6.79E-04	7.48E-04	8.21E-05	1.21E-04	7.15E-05	7.46E-05
1855	567080.76	4216654.05	7.72E-04	8.34E-04	6.70E-04	7.38E-04	8.10E-05	1.20E-04	7.05E-05	7.36E-05
1856	566944.08	4216726.26	1.35E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1857	566926.94	4216749.91	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
1858	566921.23	4216757.8	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.62E-04	1.55E-04	1.61E-04
1859	566892.67	4216797.22	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.04E-04
1860	566886.96	4216805.11	2.22E-03	2.40E-03	1.93E-03	2.12E-03	2.33E-04	3.44E-04	2.03E-04	2.12E-04
1861	566881.25	4216812.99	2.30E-03	2.48E-03	1.99E-03	2.19E-03	2.41E-04	3.55E-04	2.10E-04	2.19E-04
1862	566875.53	4216820.88	2.36E-03	2.55E-03	2.05E-03	2.26E-03	2.48E-04	3.66E-04	2.16E-04	2.25E-04
1863	566869.82	4216828.76	2.42E-03	2.61E-03	2.10E-03	2.31E-03	2.54E-04	3.75E-04	2.21E-04	2.31E-04
1864	566864.11	4216836.65	2.47E-03	2.67E-03	2.15E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
1865	566858.4	4216844.53	2.51E-03	2.71E-03	2.18E-03	2.40E-03	2.64E-04	3.89E-04	2.30E-04	2.40E-04
1866	566852.69	4216852.42	2.55E-03	2.75E-03	2.21E-03	2.43E-03	2.67E-04	3.94E-04	2.33E-04	2.43E-04
1867	566846.97	4216860.3	2.57E-03	2.77E-03	2.23E-03	2.45E-03	2.69E-04	3.97E-04	2.35E-04	2.45E-04
1868	566942.73	4216714.62	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.12E-04	1.17E-04
1869	566956.23	4216703.06	1.12E-03	1.21E-03	9.75E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
1870	566969.73	4216691.51	1.03E-03	1.11E-03	8.93E-04	9.83E-04	1.08E-04	1.59E-04	9.40E-05	9.81E-05
1871	566976.48	4216685.73	9.85E-04	1.06E-03	8.55E-04	9.41E-04	1.03E-04	1.52E-04	9.00E-05	9.39E-05
1872	566989.98	4216674.18	9.03E-04	9.75E-04	7.83E-04	8.62E-04	9.47E-05	1.40E-04	8.25E-05	8.61E-05
1873	567029.39	4216656.4	7.86E-04	8.48E-04	6.82E-04	7.51E-04	8.24E-05	1.22E-04	7.18E-05	7.49E-05
1874	567046.66	4216652.24	7.62E-04	8.23E-04	6.62E-04	7.28E-04	8.00E-05	1.18E-04	6.96E-05	7.27E-05
1875	567063.94	4216648.09	7.41E-04	8.00E-04	6.43E-04	7.08E-04	7.78E-05	1.15E-04	6.77E-05	7.07E-05
1876	566924.56	4216736.16	1.43E-03	1.54E-03	1.24E-03	1.37E-03	1.50E-04	2.21E-04	1.31E-04	1.36E-04
1877	566918.85	4216744.05	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.34E-04	1.38E-04	1.44E-04
1878	566913.13	4216751.93	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.47E-04	1.46E-04	1.52E-04
1879	566907.42	4216759.82	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
1880	566901.71	4216767.7	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
1881	566878.86	4216799.24	2.07E-03	2.24E-03	1.80E-03	1.98E-03	2.17E-04	3.21E-04	1.89E-04	1.98E-04
1882	566873.15	4216807.13	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.31E-04	1.96E-04	2.04E-04
1883	566867.44	4216815.01	2.20E-03	2.38E-03	1.91E-03	2.10E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
1884	566861.72	4216822.9	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.06E-04	2.15E-04
1885	566856.01	4216830.78	2.31E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.57E-04	2.11E-04	2.20E-04
1886	566850.3	4216838.67	2.35E-03	2.53E-03	2.04E-03	2.24E-03	2.46E-04	3.63E-04	2.14E-04	2.24E-04

1887	566844.59	4216846.55	2.38E-03	2.57E-03	2.06E-03	2.27E-03	2.49E-04	3.68E-04	2.17E-04	2.27E-04
1888	566838.88	4216854.44	2.40E-03	2.59E-03	2.08E-03	2.29E-03	2.52E-04	3.72E-04	2.19E-04	2.29E-04
1889	566942.09	4216702.36	1.11E-03	1.20E-03	9.66E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
1890	566949.2	4216696.28	1.07E-03	1.15E-03	9.24E-04	1.02E-03	1.12E-04	1.65E-04	9.73E-05	1.02E-04
1891	566956.3	4216690.2	1.02E-03	1.10E-03	8.84E-04	9.73E-04	1.07E-04	1.58E-04	9.31E-05	9.71E-05
1892	566963.41	4216684.12	9.74E-04	1.05E-03	8.45E-04	9.30E-04	1.02E-04	1.51E-04	8.90E-05	9.28E-05
1893	566970.51	4216678.04	9.32E-04	1.01E-03	8.08E-04	8.90E-04	9.77E-05	1.44E-04	8.51E-05	8.88E-05
1894	566977.62	4216671.96	8.91E-04	9.62E-04	7.73E-04	8.51E-04	9.35E-05	1.38E-04	8.14E-05	8.50E-05
1895	566984.72	4216665.88	8.53E-04	9.20E-04	7.40E-04	8.14E-04	8.94E-05	1.32E-04	7.79E-05	8.13E-05
1896	566991.82	4216659.8	8.15E-04	8.80E-04	7.07E-04	7.78E-04	8.55E-05	1.26E-04	7.44E-05	7.77E-05
1897	567017.11	4216649.35	7.52E-04	8.11E-04	6.52E-04	7.18E-04	7.88E-05	1.16E-04	6.87E-05	7.16E-05
1898	567026.21	4216647.16	7.39E-04	7.97E-04	6.41E-04	7.05E-04	7.75E-05	1.14E-04	6.75E-05	7.04E-05
1899	567035.3	4216644.98	7.27E-04	7.85E-04	6.31E-04	6.94E-04	7.63E-05	1.13E-04	6.64E-05	6.93E-05
1900	567044.39	4216642.79	7.16E-04	7.73E-04	6.21E-04	6.84E-04	7.51E-05	1.11E-04	6.54E-05	6.83E-05
1901	567053.48	4216640.6	7.06E-04	7.62E-04	6.12E-04	6.74E-04	7.40E-05	1.09E-04	6.45E-05	6.73E-05
1902	567062.57	4216638.42	6.96E-04	7.52E-04	6.04E-04	6.65E-04	7.30E-05	1.08E-04	6.36E-05	6.64E-05
1903	567071.67	4216636.23	6.88E-04	7.42E-04	5.97E-04	6.57E-04	7.21E-05	1.06E-04	6.28E-05	6.55E-05
1904	567080.76	4216634.05	6.80E-04	7.34E-04	5.90E-04	6.49E-04	7.13E-05	1.05E-04	6.21E-05	6.48E-05
1905	566922.17	4216722.41	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
1906	566916.46	4216730.3	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.24E-04	1.29E-04
1907	566910.75	4216738.18	1.43E-03	1.54E-03	1.24E-03	1.36E-03	1.50E-04	2.21E-04	1.30E-04	1.36E-04
1908	566905.04	4216746.07	1.50E-03	1.62E-03	1.30E-03	1.44E-03	1.58E-04	2.33E-04	1.37E-04	1.43E-04
1909	566899.32	4216753.95	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.66E-04	2.44E-04	1.44E-04	1.50E-04
1910	566893.61	4216761.84	1.65E-03	1.79E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.58E-04
1911	566887.9	4216769.72	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
1912	566865.05	4216801.26	2.00E-03	2.16E-03	1.74E-03	1.91E-03	2.10E-04	3.10E-04	1.83E-04	1.91E-04
1913	566859.34	4216809.15	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04
1914	566853.63	4216817.03	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.01E-04
1915	566847.91	4216824.92	2.16E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.34E-04	1.97E-04	2.06E-04
1916	566842.2	4216832.8	2.20E-03	2.37E-03	1.91E-03	2.10E-03	2.30E-04	3.40E-04	2.01E-04	2.09E-04
1917	566836.49	4216840.69	2.23E-03	2.40E-03	1.93E-03	2.13E-03	2.34E-04	3.45E-04	2.03E-04	2.12E-04
1918	566830.78	4216848.57	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.48E-04	2.05E-04	2.14E-04
1919	566940.13	4216691.25	1.02E-03	1.11E-03	8.89E-04	9.79E-04	1.07E-04	1.59E-04	9.36E-05	9.77E-05
1920	566953.69	4216679.64	9.44E-04	1.02E-03	8.19E-04	9.02E-04	9.90E-05	1.46E-04	8.62E-05	9.00E-05
1921	566967.26	4216668.03	8.69E-04	9.38E-04	7.54E-04	8.30E-04	9.11E-05	1.34E-04	7.93E-05	8.28E-05
1922	566974.04	4216662.23	8.33E-04	8.99E-04	7.23E-04	7.96E-04	8.74E-05	1.29E-04	7.61E-05	7.94E-05
1923	566987.6	4216650.62	7.66E-04	8.27E-04	6.65E-04	7.32E-04	8.04E-05	1.19E-04	7.00E-05	7.31E-05
1924	567020.42	4216638.55	6.99E-04	7.55E-04	6.07E-04	6.68E-04	7.33E-05	1.08E-04	6.39E-05	6.66E-05
1925	567037.78	4216634.38	6.79E-04	7.33E-04	5.89E-04	6.48E-04	7.12E-05	1.05E-04	6.20E-05	6.47E-05
1926	567055.13	4216630.21	6.62E-04	7.14E-04	5.74E-04	6.32E-04	6.94E-05	1.02E-04	6.04E-05	6.31E-05
1927	567072.49	4216626.03	6.46E-04	6.97E-04	5.60E-04	6.17E-04	6.78E-05	1.00E-04	5.90E-05	6.16E-05
1928	566914.07	4216716.54	1.22E-03	1.31E-03	1.05E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
1929	566908.36	4216724.43	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.35E-04	1.98E-04	1.17E-04	1.22E-04
1930	566902.65	4216732.31	1.35E-03	1.46E-03	1.17E-03	1.29E-03	1.42E-04	2.09E-04	1.23E-04	1.29E-04
1931	566896.94	4216740.2	1.42E-03	1.53E-03	1.23E-03	1.35E-03	1.49E-04	2.20E-04	1.30E-04	1.35E-04
1932	566891.23	4216748.08	1.49E-03	1.61E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
1933	566885.51	4216755.97	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
1934	566879.8	4216763.85	1.62E-03	1.75E-03	1.41E-03	1.55E-03	1.70E-04	2.51E-04	1.48E-04	1.55E-04
1935	566874.09	4216771.74	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.77E-04	2.62E-04	1.55E-04	1.61E-04
1936	566845.53	4216811.16	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
1937	566839.82	4216819.05	2.02E-03	2.18E-03	1.76E-03	1.93E-03	2.12E-04	3.13E-04	1.85E-04	1.93E-04
1938	566834.1	4216826.93	2.06E-03	2.22E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.88E-04	1.96E-04
1939	566828.39	4216834.82	2.09E-03	2.26E-03	1.81E-03	2.00E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
1940	566822.68	4216842.7	2.11E-03	2.28E-03	1.83E-03	2.02E-03	2.22E-04	3.27E-04	1.93E-04	2.01E-04

1941	566933	4216684.55	9.76E-04	1.05E-03	8.46E-04	9.32E-04	1.02E-04	1.51E-04	8.91E-05	9.30E-05
1942	566940.11	4216678.47	9.36E-04	1.01E-03	8.12E-04	8.94E-04	9.82E-05	1.45E-04	8.55E-05	8.92E-05
1943	566947.21	4216672.39	8.98E-04	9.69E-04	7.79E-04	8.58E-04	9.42E-05	1.39E-04	8.20E-05	8.56E-05
1944	566954.32	4216666.31	8.61E-04	9.29E-04	7.47E-04	8.22E-04	9.03E-05	1.33E-04	7.86E-05	8.20E-05
1945	566961.42	4216660.23	8.24E-04	8.89E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.85E-05
1946	566968.52	4216654.15	7.89E-04	8.52E-04	6.85E-04	7.54E-04	8.28E-05	1.22E-04	7.21E-05	7.52E-05
1947	566975.63	4216648.07	7.57E-04	8.17E-04	6.56E-04	7.23E-04	7.94E-05	1.17E-04	6.91E-05	7.21E-05
1948	566911.69	4216702.79	1.10E-03	1.18E-03	9.52E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
1949	566905.98	4216710.68	1.16E-03	1.25E-03	1.00E-03	1.10E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
1950	566900.26	4216718.56	1.22E-03	1.31E-03	1.06E-03	1.16E-03	1.28E-04	1.88E-04	1.11E-04	1.16E-04
1951	566894.55	4216726.45	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
1952	566888.84	4216734.33	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
1953	566883.13	4216742.22	1.40E-03	1.52E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
1954	566877.42	4216750.1	1.47E-03	1.58E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
1955	566871.7	4216757.99	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
1956	566865.99	4216765.87	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
1957	566860.28	4216773.76	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
1958	566831.72	4216813.18	1.90E-03	2.05E-03	1.65E-03	1.82E-03	1.99E-04	2.94E-04	1.74E-04	1.81E-04
1959	566826.01	4216821.07	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
1960	566820.29	4216828.95	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.04E-04	1.80E-04	1.87E-04
1961	566814.58	4216836.84	1.99E-03	2.15E-03	1.72E-03	1.90E-03	2.09E-04	3.08E-04	1.82E-04	1.89E-04
1962	566910.4	4216691.1	1.01E-03	1.09E-03	8.76E-04	9.64E-04	1.06E-04	1.56E-04	9.22E-05	9.62E-05
1963	566930.82	4216673.62	9.04E-04	9.76E-04	7.85E-04	8.64E-04	9.49E-05	1.40E-04	8.26E-05	8.62E-05
1964	566944.44	4216661.96	8.37E-04	9.03E-04	7.26E-04	7.99E-04	8.78E-05	1.29E-04	7.64E-05	7.97E-05
1965	566951.25	4216656.14	8.04E-04	8.68E-04	6.97E-04	7.68E-04	8.43E-05	1.24E-04	7.34E-05	7.66E-05
1966	567011.43	4216620.72	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.59E-05	9.72E-05	5.74E-05	5.99E-05
1967	566903.59	4216696.93	1.05E-03	1.13E-03	9.07E-04	9.99E-04	1.10E-04	1.62E-04	9.55E-05	9.97E-05
1968	566897.88	4216704.81	1.10E-03	1.19E-03	9.55E-04	1.05E-03	1.15E-04	1.70E-04	1.01E-04	1.05E-04
1969	566892.17	4216712.7	1.16E-03	1.25E-03	1.00E-03	1.10E-03	1.21E-04	1.79E-04	1.06E-04	1.10E-04
1970	566886.45	4216720.58	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
1971	566880.74	4216728.47	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.97E-04	1.16E-04	1.21E-04
1972	566875.03	4216736.35	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.06E-04	1.21E-04	1.27E-04
1973	566869.32	4216744.24	1.39E-03	1.50E-03	1.20E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
1974	566863.6	4216752.12	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
1975	566857.89	4216760.01	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.58E-04	2.32E-04	1.37E-04	1.43E-04
1976	566840.76	4216783.66	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
1977	566817.91	4216815.2	1.82E-03	1.97E-03	1.58E-03	1.74E-03	1.91E-04	2.82E-04	1.67E-04	1.74E-04
1978	566812.19	4216823.09	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.87E-04	1.69E-04	1.76E-04
1979	566806.48	4216830.97	1.87E-03	2.02E-03	1.63E-03	1.79E-03	1.97E-04	2.90E-04	1.71E-04	1.79E-04
1980	566902.6	4216684.98	9.64E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
1981	566909.7	4216678.9	9.30E-04	1.00E-03	8.07E-04	8.88E-04	9.75E-05	1.44E-04	8.49E-05	8.86E-05
1982	566931.01	4216660.66	8.30E-04	8.96E-04	7.20E-04	7.93E-04	8.70E-05	1.28E-04	7.58E-05	7.91E-05
1983	566959.43	4216636.33	7.05E-04	7.61E-04	6.12E-04	6.74E-04	7.40E-05	1.09E-04	6.44E-05	6.72E-05
1984	566966.54	4216630.25	6.77E-04	7.31E-04	5.87E-04	6.47E-04	7.10E-05	1.05E-04	6.18E-05	6.45E-05
1985	566973.64	4216624.17	6.50E-04	7.02E-04	5.64E-04	6.21E-04	6.82E-05	1.01E-04	5.94E-05	6.20E-05
1986	566989.84	4216615.91	6.15E-04	6.64E-04	5.33E-04	5.87E-04	6.45E-05	9.52E-05	5.62E-05	5.86E-05
1987	567008.02	4216611.54	5.96E-04	6.43E-04	5.17E-04	5.69E-04	6.25E-05	9.22E-05	5.44E-05	5.68E-05
1988	567017.11	4216609.35	5.87E-04	6.34E-04	5.09E-04	5.61E-04	6.16E-05	9.09E-05	5.36E-05	5.60E-05
1989	567026.21	4216607.16	5.79E-04	6.25E-04	5.02E-04	5.53E-04	6.07E-05	8.96E-05	5.29E-05	5.52E-05
1990	567035.3	4216604.98	5.72E-04	6.17E-04	4.96E-04	5.46E-04	6.00E-05	8.85E-05	5.22E-05	5.45E-05
1991	567044.39	4216602.79	5.64E-04	6.09E-04	4.90E-04	5.39E-04	5.92E-05	8.74E-05	5.16E-05	5.38E-05
1992	567053.48	4216600.6	5.58E-04	6.02E-04	4.84E-04	5.33E-04	5.85E-05	8.63E-05	5.09E-05	5.32E-05
1993	567062.57	4216598.42	5.51E-04	5.95E-04	4.78E-04	5.26E-04	5.78E-05	8.53E-05	5.03E-05	5.25E-05
1994	567071.67	4216596.23	5.45E-04	5.88E-04	4.73E-04	5.21E-04	5.72E-05	8.44E-05	4.98E-05	5.20E-05

1995	567080.76	4216594.05	5.40E-04	5.83E-04	4.68E-04	5.15E-04	5.66E-05	8.35E-05	4.93E-05	5.14E-05
1996	566895.49	4216691.06	1.00E-03	1.08E-03	8.67E-04	9.55E-04	1.05E-04	1.55E-04	9.13E-05	9.53E-05
1997	566889.78	4216698.94	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.62E-04	9.59E-05	1.00E-04
1998	566884.07	4216706.83	1.10E-03	1.19E-03	9.55E-04	1.05E-03	1.15E-04	1.70E-04	1.01E-04	1.05E-04
1999	566878.36	4216714.71	1.15E-03	1.25E-03	1.00E-03	1.10E-03	1.21E-04	1.79E-04	1.05E-04	1.10E-04
2000	566872.64	4216722.6	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
2001	566866.93	4216730.48	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
2002	566861.22	4216738.37	1.31E-03	1.42E-03	1.14E-03	1.25E-03	1.38E-04	2.03E-04	1.20E-04	1.25E-04
2003	566855.51	4216746.25	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
2004	566838.37	4216769.91	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
2005	566832.66	4216777.79	1.57E-03	1.69E-03	1.36E-03	1.50E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2006	566826.95	4216785.68	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.54E-04
2007	566798.38	4216825.1	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
2008	566894.22	4216679.35	9.25E-04	9.99E-04	8.03E-04	8.84E-04	9.70E-05	1.43E-04	8.45E-05	8.82E-05
2009	566901.06	4216673.5	8.94E-04	9.65E-04	7.76E-04	8.54E-04	9.38E-05	1.38E-04	8.17E-05	8.52E-05
2010	566907.89	4216667.65	8.63E-04	9.32E-04	7.49E-04	8.25E-04	9.06E-05	1.34E-04	7.89E-05	8.23E-05
2011	566942.04	4216638.42	7.19E-04	7.76E-04	6.24E-04	6.86E-04	7.54E-05	1.11E-04	6.56E-05	6.85E-05
2012	566948.87	4216632.57	6.92E-04	7.47E-04	6.00E-04	6.61E-04	7.25E-05	1.07E-04	6.32E-05	6.59E-05
2013	566955.71	4216626.73	6.66E-04	7.18E-04	5.77E-04	6.36E-04	6.98E-05	1.03E-04	6.08E-05	6.34E-05
2014	566969.37	4216615.03	6.17E-04	6.66E-04	5.35E-04	5.89E-04	6.47E-05	9.55E-05	5.63E-05	5.88E-05
2015	566984.94	4216607.08	5.85E-04	6.31E-04	5.07E-04	5.59E-04	6.14E-05	9.05E-05	5.34E-05	5.58E-05
2016	567002.43	4216602.88	5.68E-04	6.13E-04	4.93E-04	5.42E-04	5.95E-05	8.79E-05	5.19E-05	5.41E-05
2017	567019.91	4216598.68	5.53E-04	5.97E-04	4.80E-04	5.28E-04	5.80E-05	8.56E-05	5.05E-05	5.27E-05
2018	567037.4	4216594.47	5.39E-04	5.82E-04	4.68E-04	5.15E-04	5.66E-05	8.35E-05	4.93E-05	5.14E-05
2019	567054.88	4216590.27	5.27E-04	5.69E-04	4.57E-04	5.04E-04	5.53E-05	8.16E-05	4.82E-05	5.02E-05
2020	567063.62	4216588.17	5.22E-04	5.63E-04	4.53E-04	4.98E-04	5.47E-05	8.08E-05	4.77E-05	4.97E-05
2021	566881.68	4216693.08	1.00E-03	1.08E-03	8.70E-04	9.58E-04	1.05E-04	1.55E-04	9.16E-05	9.56E-05
2022	566875.97	4216700.96	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.63E-04	9.59E-05	1.00E-04
2023	566870.26	4216708.85	1.10E-03	1.19E-03	9.53E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
2024	566864.54	4216716.73	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
2025	566858.83	4216724.62	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
2026	566853.12	4216732.5	1.25E-03	1.34E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
2027	566847.41	4216740.39	1.30E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2028	566835.98	4216756.16	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.33E-04
2029	566830.27	4216764.04	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
2030	566824.56	4216771.93	1.48E-03	1.60E-03	1.29E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
2031	566818.85	4216779.81	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
2032	566813.13	4216787.7	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2033	566886.4	4216673.25	8.86E-04	9.57E-04	7.69E-04	8.47E-04	9.30E-05	1.37E-04	8.10E-05	8.45E-05
2034	566921.92	4216642.84	7.40E-04	7.99E-04	6.42E-04	7.07E-04	7.76E-05	1.15E-04	6.76E-05	7.05E-05
2035	566929.03	4216636.76	7.13E-04	7.70E-04	6.19E-04	6.81E-04	7.48E-05	1.10E-04	6.51E-05	6.80E-05
2036	566936.13	4216630.68	6.86E-04	7.41E-04	5.96E-04	6.56E-04	7.20E-05	1.06E-04	6.27E-05	6.54E-05
2037	566943.24	4216624.6	6.60E-04	7.13E-04	5.73E-04	6.31E-04	6.93E-05	1.02E-04	6.03E-05	6.29E-05
2038	566950.34	4216618.52	6.35E-04	6.85E-04	5.51E-04	6.07E-04	6.66E-05	9.83E-05	5.80E-05	6.05E-05
2039	566957.44	4216612.44	6.11E-04	6.59E-04	5.30E-04	5.83E-04	6.41E-05	9.45E-05	5.58E-05	5.82E-05
2040	566964.55	4216606.36	5.87E-04	6.34E-04	5.10E-04	5.61E-04	6.16E-05	9.09E-05	5.37E-05	5.60E-05
2041	566980.75	4216598.09	5.57E-04	6.01E-04	4.83E-04	5.32E-04	5.84E-05	8.62E-05	5.09E-05	5.31E-05
2042	567008.02	4216591.54	5.33E-04	5.75E-04	4.62E-04	5.09E-04	5.59E-05	8.24E-05	4.87E-05	5.08E-05
2043	567017.11	4216589.35	5.26E-04	5.68E-04	4.56E-04	5.02E-04	5.52E-05	8.14E-05	4.80E-05	5.01E-05
2044	567026.21	4216587.16	5.19E-04	5.61E-04	4.51E-04	4.96E-04	5.45E-05	8.04E-05	4.74E-05	4.95E-05
2045	567035.3	4216584.98	5.13E-04	5.54E-04	4.45E-04	4.90E-04	5.38E-05	7.94E-05	4.68E-05	4.89E-05
2046	567044.39	4216582.79	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.31E-05	7.84E-05	4.63E-05	4.83E-05
2047	567053.48	4216580.6	5.01E-04	5.41E-04	4.35E-04	4.78E-04	5.25E-05	7.75E-05	4.58E-05	4.77E-05
2048	567062.57	4216578.42	4.96E-04	5.35E-04	4.30E-04	4.74E-04	5.20E-05	7.68E-05	4.53E-05	4.73E-05

2049	567071.67	4216576.23	4.91E-04	5.30E-04	4.26E-04	4.69E-04	5.15E-05	7.60E-05	4.49E-05	4.68E-05
2050	567080.76	4216574.05	4.87E-04	5.26E-04	4.23E-04	4.65E-04	5.11E-05	7.54E-05	4.45E-05	4.64E-05
2051	566879.3	4216679.33	9.17E-04	9.90E-04	7.96E-04	8.76E-04	9.62E-05	1.42E-04	8.38E-05	8.74E-05
2052	566873.58	4216687.21	9.59E-04	1.04E-03	8.32E-04	9.16E-04	1.01E-04	1.49E-04	8.76E-05	9.14E-05
2053	566867.87	4216695.1	1.00E-03	1.08E-03	8.70E-04	9.58E-04	1.05E-04	1.55E-04	9.16E-05	9.56E-05
2054	566862.16	4216702.98	1.05E-03	1.13E-03	9.08E-04	1.00E-03	1.10E-04	1.62E-04	9.56E-05	9.98E-05
2055	566856.45	4216710.87	1.09E-03	1.18E-03	9.48E-04	1.04E-03	1.15E-04	1.69E-04	9.98E-05	1.04E-04
2056	566850.73	4216718.75	1.14E-03	1.23E-03	9.87E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
2057	566845.02	4216726.64	1.18E-03	1.28E-03	1.03E-03	1.13E-03	1.24E-04	1.83E-04	1.08E-04	1.13E-04
2058	566827.89	4216750.29	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.20E-04	1.26E-04
2059	566822.17	4216758.18	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
2060	566816.46	4216766.06	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2061	566810.75	4216773.95	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.32E-04	1.37E-04
2062	566805.04	4216781.83	1.48E-03	1.59E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
2063	566799.32	4216789.72	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.34E-04	1.38E-04	1.44E-04
2064	566793.61	4216797.6	1.54E-03	1.66E-03	1.34E-03	1.47E-03	1.62E-04	2.38E-04	1.41E-04	1.47E-04
2065	566900.71	4216648.2	7.63E-04	8.23E-04	6.62E-04	7.28E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
2066	566922.84	4216629.26	6.82E-04	7.36E-04	5.91E-04	6.51E-04	7.15E-05	1.06E-04	6.23E-05	6.50E-05
2067	566930.22	4216622.94	6.56E-04	7.08E-04	5.69E-04	6.27E-04	6.88E-05	1.02E-04	5.99E-05	6.25E-05
2068	566937.6	4216616.63	6.31E-04	6.81E-04	5.48E-04	6.03E-04	6.62E-05	9.77E-05	5.77E-05	6.02E-05
2069	566944.97	4216610.32	6.07E-04	6.55E-04	5.26E-04	5.80E-04	6.36E-05	9.39E-05	5.54E-05	5.78E-05
2070	566952.35	4216604	5.83E-04	6.30E-04	5.06E-04	5.57E-04	6.12E-05	9.03E-05	5.33E-05	5.56E-05
2071	566959.73	4216597.69	5.61E-04	6.05E-04	4.86E-04	5.36E-04	5.88E-05	8.68E-05	5.12E-05	5.34E-05
2072	566976.55	4216589.1	5.31E-04	5.73E-04	4.60E-04	5.07E-04	5.57E-05	8.21E-05	4.85E-05	5.06E-05
2073	567004.87	4216582.29	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.32E-05	7.85E-05	4.63E-05	4.83E-05
2074	567014.32	4216580.02	5.01E-04	5.41E-04	4.35E-04	4.78E-04	5.25E-05	7.75E-05	4.58E-05	4.77E-05
2075	567023.76	4216577.75	4.95E-04	5.34E-04	4.29E-04	4.73E-04	5.19E-05	7.66E-05	4.52E-05	4.72E-05
2076	567033.2	4216575.48	4.89E-04	5.27E-04	4.24E-04	4.67E-04	5.12E-05	7.56E-05	4.46E-05	4.66E-05
2077	567042.64	4216573.21	4.82E-04	5.21E-04	4.19E-04	4.61E-04	5.06E-05	7.47E-05	4.41E-05	4.60E-05
2078	567052.08	4216570.94	4.77E-04	5.15E-04	4.14E-04	4.56E-04	5.00E-05	7.38E-05	4.36E-05	4.55E-05
2079	567061.52	4216568.67	4.72E-04	5.10E-04	4.10E-04	4.51E-04	4.95E-05	7.31E-05	4.31E-05	4.50E-05
2080	567070.97	4216566.4	4.68E-04	5.05E-04	4.06E-04	4.47E-04	4.91E-05	7.24E-05	4.27E-05	4.46E-05
2081	567080.41	4216564.13	4.64E-04	5.00E-04	4.02E-04	4.43E-04	4.86E-05	7.17E-05	4.23E-05	4.42E-05
2082	566865.48	4216681.34	9.18E-04	9.91E-04	7.97E-04	8.77E-04	9.63E-05	1.42E-04	8.39E-05	8.75E-05
2083	566859.77	4216689.23	9.59E-04	1.03E-03	8.32E-04	9.16E-04	1.01E-04	1.48E-04	8.76E-05	9.14E-05
2084	566854.06	4216697.11	1.00E-03	1.08E-03	8.67E-04	9.55E-04	1.05E-04	1.55E-04	9.13E-05	9.53E-05
2085	566848.35	4216705	1.04E-03	1.12E-03	9.04E-04	9.95E-04	1.09E-04	1.61E-04	9.51E-05	9.93E-05
2086	566842.64	4216712.88	1.08E-03	1.17E-03	9.40E-04	1.04E-03	1.14E-04	1.68E-04	9.90E-05	1.03E-04
2087	566825.5	4216736.54	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.87E-04	1.11E-04	1.15E-04
2088	566819.79	4216744.42	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
2089	566814.07	4216752.31	1.29E-03	1.40E-03	1.12E-03	1.23E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2090	566808.36	4216760.19	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
2091	566802.65	4216768.08	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
2092	566796.94	4216775.96	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2093	566791.23	4216783.85	1.43E-03	1.55E-03	1.24E-03	1.37E-03	1.50E-04	2.22E-04	1.31E-04	1.37E-04
2094	566785.51	4216791.73	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
2095	566779.8	4216799.62	1.49E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.42E-04
2096	566877.31	4216655.43	7.91E-04	8.54E-04	6.86E-04	7.56E-04	8.30E-05	1.22E-04	7.23E-05	7.54E-05
2097	566884.41	4216649.35	7.65E-04	8.26E-04	6.64E-04	7.31E-04	8.02E-05	1.18E-04	6.99E-05	7.29E-05
2098	566891.52	4216643.27	7.39E-04	7.98E-04	6.41E-04	7.06E-04	7.75E-05	1.14E-04	6.75E-05	7.04E-05
2099	566898.62	4216637.19	7.14E-04	7.70E-04	6.19E-04	6.82E-04	7.49E-05	1.10E-04	6.52E-05	6.80E-05
2100	566919.93	4216618.95	6.42E-04	6.93E-04	5.57E-04	6.13E-04	6.73E-05	9.94E-05	5.86E-05	6.12E-05
2101	566927.04	4216612.87	6.19E-04	6.69E-04	5.37E-04	5.92E-04	6.50E-05	9.59E-05	5.66E-05	5.90E-05
2102	566934.14	4216606.79	5.97E-04	6.45E-04	5.18E-04	5.71E-04	6.27E-05	9.25E-05	5.46E-05	5.69E-05

2103	566941.25	4216600.71	5.75E-04	6.21E-04	4.99E-04	5.50E-04	6.03E-05	8.90E-05	5.25E-05	5.48E-05
2104	566948.35	4216594.63	5.54E-04	5.98E-04	4.81E-04	5.29E-04	5.81E-05	8.58E-05	5.06E-05	5.28E-05
2105	566955.46	4216588.55	5.34E-04	5.77E-04	4.63E-04	5.10E-04	5.60E-05	8.27E-05	4.88E-05	5.09E-05
2106	566971.65	4216580.28	5.07E-04	5.47E-04	4.40E-04	4.84E-04	5.32E-05	7.85E-05	4.63E-05	4.83E-05
2107	566998.93	4216573.72	4.85E-04	5.24E-04	4.21E-04	4.64E-04	5.09E-05	7.51E-05	4.43E-05	4.63E-05
2108	567008.02	4216571.54	4.80E-04	5.18E-04	4.16E-04	4.58E-04	5.03E-05	7.42E-05	4.38E-05	4.57E-05
2109	567017.11	4216569.35	4.74E-04	5.12E-04	4.11E-04	4.53E-04	4.97E-05	7.34E-05	4.33E-05	4.52E-05
2110	567026.21	4216567.16	4.69E-04	5.06E-04	4.07E-04	4.48E-04	4.92E-05	7.26E-05	4.28E-05	4.47E-05
2111	567035.3	4216564.98	4.63E-04	5.00E-04	4.02E-04	4.43E-04	4.86E-05	7.17E-05	4.23E-05	4.42E-05
2112	567044.39	4216562.79	4.58E-04	4.95E-04	3.98E-04	4.38E-04	4.81E-05	7.09E-05	4.19E-05	4.37E-05
2113	567053.48	4216560.6	4.54E-04	4.90E-04	3.94E-04	4.33E-04	4.76E-05	7.02E-05	4.14E-05	4.32E-05
2114	567062.57	4216558.42	4.49E-04	4.85E-04	3.90E-04	4.29E-04	4.71E-05	6.96E-05	4.11E-05	4.28E-05
2115	567071.67	4216556.23	4.45E-04	4.81E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.07E-05	4.25E-05
2116	567080.76	4216554.05	4.42E-04	4.77E-04	3.83E-04	4.22E-04	4.63E-05	6.84E-05	4.03E-05	4.21E-05
2117	566851.67	4216683.36	9.17E-04	9.90E-04	7.96E-04	8.76E-04	9.62E-05	1.42E-04	8.38E-05	8.74E-05
2118	566845.96	4216691.25	9.56E-04	1.03E-03	8.29E-04	9.13E-04	1.00E-04	1.48E-04	8.73E-05	9.11E-05
2119	566840.25	4216699.13	9.95E-04	1.07E-03	8.63E-04	9.50E-04	1.04E-04	1.54E-04	9.09E-05	9.48E-05
2120	566823.11	4216722.79	1.11E-03	1.20E-03	9.66E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
2121	566817.4	4216730.67	1.15E-03	1.24E-03	1.00E-03	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
2122	566811.69	4216738.56	1.19E-03	1.29E-03	1.03E-03	1.14E-03	1.25E-04	1.84E-04	1.09E-04	1.14E-04
2123	566805.98	4216746.44	1.23E-03	1.33E-03	1.07E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
2124	566800.26	4216754.33	1.26E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2125	566794.55	4216762.21	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
2126	566788.84	4216770.1	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
2127	566783.13	4216777.98	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
2128	566777.42	4216785.87	1.39E-03	1.50E-03	1.20E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
2129	566771.7	4216793.75	1.41E-03	1.52E-03	1.22E-03	1.35E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
2130	566765.99	4216801.64	1.43E-03	1.55E-03	1.24E-03	1.37E-03	1.50E-04	2.22E-04	1.31E-04	1.36E-04
2131	566862.36	4216655.43	7.85E-04	8.47E-04	6.81E-04	7.49E-04	8.23E-05	1.21E-04	7.17E-05	7.48E-05
2132	566869.72	4216649.13	7.59E-04	8.20E-04	6.59E-04	7.25E-04	7.97E-05	1.18E-04	6.94E-05	7.24E-05
2133	566877.08	4216642.83	7.34E-04	7.93E-04	6.37E-04	7.01E-04	7.70E-05	1.14E-04	6.71E-05	7.00E-05
2134	566884.43	4216636.53	7.09E-04	7.66E-04	6.16E-04	6.78E-04	7.44E-05	1.10E-04	6.48E-05	6.76E-05
2135	566891.79	4216630.24	6.85E-04	7.39E-04	5.94E-04	6.54E-04	7.18E-05	1.06E-04	6.26E-05	6.53E-05
2136	566913.87	4216611.34	6.15E-04	6.64E-04	5.34E-04	5.88E-04	6.45E-05	9.52E-05	5.62E-05	5.86E-05
2137	566921.22	4216605.05	5.93E-04	6.40E-04	5.15E-04	5.67E-04	6.22E-05	9.18E-05	5.42E-05	5.65E-05
2138	566928.58	4216598.75	5.72E-04	6.17E-04	4.96E-04	5.46E-04	6.00E-05	8.85E-05	5.22E-05	5.45E-05
2139	566935.94	4216592.45	5.50E-04	5.94E-04	4.78E-04	5.26E-04	5.77E-05	8.52E-05	5.03E-05	5.25E-05
2140	566943.3	4216586.15	5.30E-04	5.72E-04	4.60E-04	5.06E-04	5.56E-05	8.20E-05	4.84E-05	5.05E-05
2141	566950.66	4216579.86	5.11E-04	5.51E-04	4.43E-04	4.88E-04	5.36E-05	7.91E-05	4.67E-05	4.87E-05
2142	566967.43	4216571.29	4.85E-04	5.23E-04	4.21E-04	4.63E-04	5.08E-05	7.50E-05	4.43E-05	4.62E-05
2143	566976.85	4216569.03	4.77E-04	5.15E-04	4.14E-04	4.56E-04	5.01E-05	7.39E-05	4.36E-05	4.55E-05
2144	566995.68	4216564.5	4.64E-04	5.01E-04	4.02E-04	4.43E-04	4.86E-05	7.18E-05	4.24E-05	4.42E-05
2145	567005.1	4216562.24	4.58E-04	4.94E-04	3.97E-04	4.38E-04	4.80E-05	7.09E-05	4.18E-05	4.37E-05
2146	567014.52	4216559.97	4.53E-04	4.89E-04	3.93E-04	4.32E-04	4.75E-05	7.01E-05	4.13E-05	4.31E-05
2147	567023.93	4216557.71	4.47E-04	4.83E-04	3.88E-04	4.27E-04	4.69E-05	6.93E-05	4.09E-05	4.26E-05
2148	567033.35	4216555.45	4.42E-04	4.77E-04	3.84E-04	4.23E-04	4.64E-05	6.85E-05	4.04E-05	4.22E-05
2149	567042.77	4216553.18	4.38E-04	4.72E-04	3.80E-04	4.18E-04	4.59E-05	6.77E-05	4.00E-05	4.17E-05
2150	567052.18	4216550.92	4.33E-04	4.68E-04	3.76E-04	4.14E-04	4.55E-05	6.71E-05	3.96E-05	4.13E-05
2151	567061.6	4216548.65	4.29E-04	4.63E-04	3.72E-04	4.10E-04	4.50E-05	6.64E-05	3.92E-05	4.09E-05
2152	567071.02	4216546.39	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
2153	567080.43	4216544.12	4.22E-04	4.55E-04	3.66E-04	4.03E-04	4.42E-05	6.53E-05	3.85E-05	4.02E-05
2154	566855	4216661.73	8.10E-04	8.74E-04	7.03E-04	7.74E-04	8.49E-05	1.25E-04	7.40E-05	7.72E-05
2155	566837.86	4216685.38	9.15E-04	9.87E-04	7.94E-04	8.74E-04	9.59E-05	1.42E-04	8.35E-05	8.72E-05
2156	566820.73	4216709.04	1.02E-03	1.11E-03	8.89E-04	9.79E-04	1.07E-04	1.59E-04	9.36E-05	9.77E-05

2157	566815.02	4216716.92	1.06E-03	1.15E-03	9.21E-04	1.01E-03	1.11E-04	1.64E-04	9.70E-05	1.01E-04
2158	566809.3	4216724.81	1.10E-03	1.19E-03	9.53E-04	1.05E-03	1.15E-04	1.70E-04	1.00E-04	1.05E-04
2159	566803.59	4216732.69	1.13E-03	1.22E-03	9.84E-04	1.08E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
2160	566797.88	4216740.58	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
2161	566792.17	4216748.46	1.20E-03	1.30E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
2162	566786.45	4216756.35	1.24E-03	1.33E-03	1.07E-03	1.18E-03	1.30E-04	1.91E-04	1.13E-04	1.18E-04
2163	566780.74	4216764.23	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2164	566775.03	4216772.12	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2165	566769.32	4216780	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.21E-04	1.26E-04
2166	566763.61	4216787.89	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2167	566757.89	4216795.77	1.36E-03	1.47E-03	1.18E-03	1.30E-03	1.43E-04	2.11E-04	1.24E-04	1.30E-04
2168	566854.01	4216649.78	7.55E-04	8.15E-04	6.55E-04	7.22E-04	7.92E-05	1.17E-04	6.90E-05	7.20E-05
2169	566861.11	4216643.7	7.33E-04	7.91E-04	6.36E-04	7.00E-04	7.69E-05	1.13E-04	6.69E-05	6.98E-05
2170	566868.22	4216637.62	7.10E-04	7.67E-04	6.16E-04	6.79E-04	7.45E-05	1.10E-04	6.49E-05	6.77E-05
2171	566875.32	4216631.54	6.88E-04	7.43E-04	5.97E-04	6.57E-04	7.22E-05	1.07E-04	6.29E-05	6.56E-05
2172	566882.42	4216625.46	6.66E-04	7.19E-04	5.78E-04	6.36E-04	6.98E-05	1.03E-04	6.08E-05	6.35E-05
2173	566889.53	4216619.38	6.44E-04	6.95E-04	5.59E-04	6.15E-04	6.76E-05	9.97E-05	5.88E-05	6.14E-05
2174	566910.84	4216601.13	5.82E-04	6.28E-04	5.05E-04	5.55E-04	6.10E-05	9.00E-05	5.31E-05	5.54E-05
2175	566917.95	4216595.05	5.62E-04	6.06E-04	4.87E-04	5.37E-04	5.89E-05	8.69E-05	5.13E-05	5.35E-05
2176	566925.05	4216588.97	5.42E-04	5.85E-04	4.70E-04	5.18E-04	5.69E-05	8.39E-05	4.95E-05	5.17E-05
2177	566932.16	4216582.89	5.23E-04	5.65E-04	4.54E-04	5.00E-04	5.49E-05	8.10E-05	4.78E-05	4.99E-05
2178	566939.26	4216576.81	5.05E-04	5.45E-04	4.38E-04	4.82E-04	5.30E-05	7.82E-05	4.61E-05	4.81E-05
2179	566946.36	4216570.73	4.88E-04	5.27E-04	4.23E-04	4.66E-04	5.12E-05	7.55E-05	4.46E-05	4.65E-05
2180	566962.56	4216562.47	4.64E-04	5.01E-04	4.03E-04	4.44E-04	4.87E-05	7.19E-05	4.24E-05	4.43E-05
2181	566971.65	4216560.28	4.58E-04	4.94E-04	3.97E-04	4.37E-04	4.80E-05	7.08E-05	4.18E-05	4.36E-05
2182	566989.84	4216555.91	4.45E-04	4.81E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.07E-05	4.24E-05
2183	566998.93	4216553.72	4.40E-04	4.75E-04	3.82E-04	4.20E-04	4.61E-05	6.81E-05	4.02E-05	4.19E-05
2184	567008.02	4216551.54	4.35E-04	4.69E-04	3.77E-04	4.15E-04	4.56E-05	6.73E-05	3.97E-05	4.14E-05
2185	567017.11	4216549.35	4.30E-04	4.64E-04	3.73E-04	4.11E-04	4.51E-05	6.65E-05	3.93E-05	4.10E-05
2186	567026.21	4216547.16	4.25E-04	4.59E-04	3.69E-04	4.06E-04	4.46E-05	6.58E-05	3.88E-05	4.05E-05
2187	567035.3	4216544.98	4.21E-04	4.54E-04	3.65E-04	4.02E-04	4.42E-05	6.52E-05	3.85E-05	4.01E-05
2188	567044.39	4216542.79	4.17E-04	4.50E-04	3.62E-04	3.98E-04	4.37E-05	6.45E-05	3.81E-05	3.97E-05
2189	567053.48	4216540.6	4.13E-04	4.46E-04	3.59E-04	3.95E-04	4.34E-05	6.40E-05	3.78E-05	3.94E-05
2190	567062.57	4216538.42	4.10E-04	4.42E-04	3.55E-04	3.91E-04	4.30E-05	6.34E-05	3.74E-05	3.90E-05
2191	567071.67	4216536.23	4.06E-04	4.38E-04	3.52E-04	3.88E-04	4.26E-05	6.29E-05	3.71E-05	3.87E-05
2192	567080.76	4216534.05	4.03E-04	4.35E-04	3.50E-04	3.85E-04	4.23E-05	6.24E-05	3.68E-05	3.84E-05
2193	566846.9	4216655.86	7.78E-04	8.40E-04	6.75E-04	7.43E-04	8.16E-05	1.20E-04	7.11E-05	7.42E-05
2194	566841.19	4216663.74	8.10E-04	8.75E-04	7.03E-04	7.74E-04	8.50E-05	1.25E-04	7.40E-05	7.72E-05
2195	566818.34	4216695.28	9.45E-04	1.02E-03	8.20E-04	9.02E-04	9.91E-05	1.46E-04	8.63E-05	9.00E-05
2196	566812.63	4216703.17	9.79E-04	1.06E-03	8.50E-04	9.35E-04	1.03E-04	1.52E-04	8.94E-05	9.33E-05
2197	566806.92	4216711.05	1.01E-03	1.09E-03	8.80E-04	9.68E-04	1.06E-04	1.57E-04	9.26E-05	9.66E-05
2198	566801.2	4216718.94	1.05E-03	1.13E-03	9.09E-04	1.00E-03	1.10E-04	1.62E-04	9.57E-05	9.99E-05
2199	566795.49	4216726.82	1.08E-03	1.17E-03	9.39E-04	1.03E-03	1.13E-04	1.67E-04	9.88E-05	1.03E-04
2200	566789.78	4216734.71	1.11E-03	1.20E-03	9.67E-04	1.06E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
2201	566784.07	4216742.59	1.15E-03	1.24E-03	9.95E-04	1.10E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
2202	566778.36	4216750.48	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.08E-04	1.12E-04
2203	566772.64	4216758.36	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.26E-04	1.87E-04	1.10E-04	1.15E-04
2204	566766.93	4216766.25	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.17E-04
2205	566761.22	4216774.13	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
2206	566755.51	4216782.02	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2207	566749.79	4216789.9	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.36E-04	2.01E-04	1.19E-04	1.24E-04
2208	566846.15	4216643.71	7.26E-04	7.84E-04	6.30E-04	6.94E-04	7.62E-05	1.12E-04	6.64E-05	6.92E-05
2209	566853.49	4216637.43	7.05E-04	7.61E-04	6.11E-04	6.73E-04	7.39E-05	1.09E-04	6.44E-05	6.72E-05
2210	566860.83	4216631.14	6.83E-04	7.37E-04	5.93E-04	6.52E-04	7.16E-05	1.06E-04	6.24E-05	6.51E-05

2211	566868.17	4216624.86	6.62E-04	7.14E-04	5.74E-04	6.32E-04	6.94E-05	1.02E-04	6.04E-05	6.31E-05
2212	566875.51	4216618.58	6.40E-04	6.91E-04	5.56E-04	6.12E-04	6.72E-05	9.91E-05	5.85E-05	6.10E-05
2213	566882.85	4216612.29	6.19E-04	6.69E-04	5.37E-04	5.92E-04	6.50E-05	9.59E-05	5.66E-05	5.90E-05
2214	566890.19	4216606.01	5.99E-04	6.46E-04	5.19E-04	5.72E-04	6.28E-05	9.27E-05	5.47E-05	5.71E-05
2215	566912.22	4216587.16	5.39E-04	5.82E-04	4.68E-04	5.15E-04	5.66E-05	8.35E-05	4.93E-05	5.14E-05
2216	566919.56	4216580.88	5.20E-04	5.62E-04	4.51E-04	4.97E-04	5.46E-05	8.05E-05	4.75E-05	4.96E-05
2217	566926.9	4216574.59	5.02E-04	5.42E-04	4.35E-04	4.79E-04	5.26E-05	7.77E-05	4.58E-05	4.78E-05
2218	566934.24	4216568.31	4.84E-04	5.23E-04	4.20E-04	4.63E-04	5.08E-05	7.50E-05	4.42E-05	4.62E-05
2219	566941.58	4216562.03	4.68E-04	5.05E-04	4.06E-04	4.47E-04	4.90E-05	7.24E-05	4.27E-05	4.46E-05
2220	566958.32	4216553.49	4.45E-04	4.80E-04	3.86E-04	4.25E-04	4.67E-05	6.89E-05	4.06E-05	4.24E-05
2221	566967.71	4216551.23	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.78E-05	4.00E-05	4.18E-05
2222	566986.5	4216546.71	4.27E-04	4.61E-04	3.70E-04	4.08E-04	4.47E-05	6.60E-05	3.90E-05	4.07E-05
2223	566995.9	4216544.45	4.21E-04	4.55E-04	3.66E-04	4.02E-04	4.42E-05	6.52E-05	3.85E-05	4.02E-05
2224	567005.29	4216542.19	4.16E-04	4.49E-04	3.61E-04	3.98E-04	4.37E-05	6.44E-05	3.80E-05	3.97E-05
2225	567014.69	4216539.93	4.11E-04	4.44E-04	3.57E-04	3.93E-04	4.31E-05	6.37E-05	3.76E-05	3.92E-05
2226	567024.08	4216537.67	4.07E-04	4.39E-04	3.53E-04	3.89E-04	4.27E-05	6.30E-05	3.72E-05	3.88E-05
2227	567033.48	4216535.41	4.03E-04	4.35E-04	3.49E-04	3.85E-04	4.22E-05	6.23E-05	3.68E-05	3.84E-05
2228	567042.87	4216533.15	3.99E-04	4.31E-04	3.46E-04	3.81E-04	4.18E-05	6.17E-05	3.64E-05	3.80E-05
2229	567052.27	4216530.9	3.95E-04	4.27E-04	3.43E-04	3.78E-04	4.15E-05	6.12E-05	3.61E-05	3.77E-05
2230	567061.66	4216528.64	3.92E-04	4.23E-04	3.40E-04	3.74E-04	4.11E-05	6.07E-05	3.58E-05	3.74E-05
2231	567071.06	4216526.38	3.89E-04	4.20E-04	3.37E-04	3.72E-04	4.08E-05	6.02E-05	3.55E-05	3.71E-05
2232	567080.45	4216524.12	3.86E-04	4.17E-04	3.35E-04	3.69E-04	4.05E-05	5.98E-05	3.53E-05	3.68E-05
2233	566838.8	4216649.99	7.48E-04	8.08E-04	6.49E-04	7.15E-04	7.85E-05	1.16E-04	6.84E-05	7.13E-05
2234	566833.09	4216657.88	7.79E-04	8.40E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
2235	566827.38	4216665.76	8.09E-04	8.74E-04	7.02E-04	7.73E-04	8.49E-05	1.25E-04	7.39E-05	7.72E-05
2236	566804.53	4216697.3	9.37E-04	1.01E-03	8.13E-04	8.95E-04	9.83E-05	1.45E-04	8.56E-05	8.93E-05
2237	566798.82	4216705.19	9.69E-04	1.05E-03	8.41E-04	9.26E-04	1.02E-04	1.50E-04	8.85E-05	9.24E-05
2238	566793.11	4216713.07	1.00E-03	1.08E-03	8.69E-04	9.56E-04	1.05E-04	1.55E-04	9.15E-05	9.54E-05
2239	566787.39	4216720.96	1.03E-03	1.12E-03	8.96E-04	9.87E-04	1.08E-04	1.60E-04	9.44E-05	9.85E-05
2240	566781.68	4216728.84	1.06E-03	1.15E-03	9.23E-04	1.02E-03	1.12E-04	1.65E-04	9.72E-05	1.01E-04
2241	566775.97	4216736.73	1.09E-03	1.18E-03	9.49E-04	1.04E-03	1.15E-04	1.69E-04	9.99E-05	1.04E-04
2242	566770.26	4216744.61	1.12E-03	1.21E-03	9.74E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
2243	566764.55	4216752.5	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
2244	566758.83	4216760.38	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2245	566753.12	4216768.27	1.20E-03	1.29E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.14E-04
2246	566747.41	4216776.15	1.22E-03	1.32E-03	1.06E-03	1.16E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
2247	566741.7	4216784.04	1.24E-03	1.34E-03	1.07E-03	1.18E-03	1.30E-04	1.92E-04	1.13E-04	1.18E-04
2248	566996.35	4216991.83	1.48E-02	1.59E-02	1.28E-02	1.41E-02	1.55E-03	2.28E-03	1.35E-03	1.41E-03
2249	566983.49	4216995.37	1.15E-02	1.24E-02	1.00E-02	1.10E-02	1.21E-03	1.78E-03	1.05E-03	1.10E-03
2250	566998.28	4217005.03	1.21E-02	1.31E-02	1.05E-02	1.16E-02	1.27E-03	1.88E-03	1.11E-03	1.16E-03
2251	566959.26	4216971.55	9.60E-03	1.04E-02	8.33E-03	9.17E-03	1.01E-03	1.49E-03	8.77E-04	9.15E-04
2252	566978.02	4217003.74	9.63E-03	1.04E-02	8.36E-03	9.20E-03	1.01E-03	1.49E-03	8.80E-04	9.18E-04
2253	566992.81	4217013.4	9.90E-03	1.07E-02	8.59E-03	9.45E-03	1.04E-03	1.53E-03	9.04E-04	9.43E-04
2254	567007.6	4217023.07	9.92E-03	1.07E-02	8.61E-03	9.48E-03	1.04E-03	1.54E-03	9.06E-04	9.46E-04
2255	566952.06	4216987.61	8.11E-03	8.76E-03	7.04E-03	7.75E-03	8.51E-04	1.26E-03	7.41E-04	7.73E-04
2256	566949.43	4216973.37	8.34E-03	9.00E-03	7.24E-03	7.97E-03	8.75E-04	1.29E-03	7.62E-04	7.95E-04
2257	566972.55	4217012.11	8.17E-03	8.82E-03	7.09E-03	7.80E-03	8.57E-04	1.26E-03	7.46E-04	7.79E-04
2258	566987.34	4217021.77	8.25E-03	8.91E-03	7.16E-03	7.88E-03	8.66E-04	1.28E-03	7.54E-04	7.87E-04
2259	567002.13	4217031.44	8.11E-03	8.75E-03	7.03E-03	7.74E-03	8.50E-04	1.25E-03	7.40E-04	7.73E-04
2260	566946.59	4216995.98	7.21E-03	7.78E-03	6.26E-03	6.89E-03	7.56E-04	1.12E-03	6.59E-04	6.87E-04
2261	566939.6	4216975.18	7.35E-03	7.93E-03	6.37E-03	7.02E-03	7.70E-04	1.14E-03	6.71E-04	7.00E-04
2262	566943.07	4216959.82	7.82E-03	8.44E-03	6.78E-03	7.47E-03	8.20E-04	1.21E-03	7.14E-04	7.45E-04
2263	566967.08	4217020.48	7.00E-03	7.56E-03	6.07E-03	6.69E-03	7.34E-04	1.08E-03	6.39E-04	6.67E-04
2264	566981.87	4217030.15	6.97E-03	7.52E-03	6.05E-03	6.66E-03	7.31E-04	1.08E-03	6.37E-04	6.64E-04

2265	566996.66	4217039.81	6.73E-03	7.27E-03	5.84E-03	6.43E-03	7.06E-04	1.04E-03	6.15E-04	6.42E-04
2266	566941.12	4217004.35	6.41E-03	6.92E-03	5.56E-03	6.13E-03	6.73E-04	9.93E-04	5.86E-04	6.11E-04
2267	566932.39	4216991.24	6.37E-03	6.87E-03	5.52E-03	6.08E-03	6.68E-04	9.85E-04	5.81E-04	6.07E-04
2268	566929.76	4216977	6.54E-03	7.06E-03	5.67E-03	6.24E-03	6.86E-04	1.01E-03	5.97E-04	6.23E-04
2269	566933.23	4216961.64	6.96E-03	7.51E-03	6.04E-03	6.64E-03	7.30E-04	1.08E-03	6.35E-04	6.63E-04
2270	566961.61	4217028.85	6.05E-03	6.53E-03	5.25E-03	5.78E-03	6.34E-04	9.36E-04	5.52E-04	5.76E-04
2271	566976.4	4217038.52	5.95E-03	6.42E-03	5.16E-03	5.68E-03	6.24E-04	9.20E-04	5.43E-04	5.67E-04
2272	566991.19	4217048.18	5.67E-03	6.12E-03	4.92E-03	5.42E-03	5.95E-04	8.78E-04	5.18E-04	5.41E-04
2273	566935.65	4217012.72	5.71E-03	6.17E-03	4.96E-03	5.46E-03	5.99E-04	8.84E-04	5.22E-04	5.44E-04
2274	566926.92	4216999.61	5.76E-03	6.22E-03	5.00E-03	5.51E-03	6.05E-04	8.92E-04	5.27E-04	5.49E-04
2275	566919.93	4216978.81	5.87E-03	6.33E-03	5.09E-03	5.61E-03	6.16E-04	9.08E-04	5.36E-04	5.59E-04
2276	566923.4	4216963.45	6.24E-03	6.74E-03	5.41E-03	5.96E-03	6.54E-04	9.66E-04	5.70E-04	5.95E-04
2277	566926.87	4216948.09	6.43E-03	6.94E-03	5.58E-03	6.14E-03	6.74E-04	9.95E-04	5.87E-04	6.13E-04
2278	566956.14	4217037.22	5.26E-03	5.68E-03	4.57E-03	5.03E-03	5.52E-04	8.14E-04	4.81E-04	5.02E-04
2279	566930.18	4217021.09	5.10E-03	5.50E-03	4.42E-03	4.87E-03	5.35E-04	7.89E-04	4.66E-04	4.86E-04
2280	566921.45	4217007.98	5.22E-03	5.63E-03	4.52E-03	4.98E-03	5.47E-04	8.07E-04	4.76E-04	4.97E-04
2281	566912.72	4216994.87	5.17E-03	5.58E-03	4.49E-03	4.94E-03	5.43E-04	8.01E-04	4.73E-04	4.93E-04
2282	566910.09	4216980.63	5.31E-03	5.73E-03	4.60E-03	5.07E-03	5.57E-04	8.21E-04	4.85E-04	5.06E-04
2283	566913.57	4216965.27	5.64E-03	6.08E-03	4.89E-03	5.38E-03	5.91E-04	8.72E-04	5.15E-04	5.37E-04
2284	566917.04	4216949.9	5.82E-03	6.29E-03	5.05E-03	5.56E-03	6.11E-04	9.02E-04	5.32E-04	5.55E-04
2285	566965.46	4217055.26	4.43E-03	4.78E-03	3.85E-03	4.23E-03	4.65E-04	6.86E-04	4.05E-04	4.22E-04
2286	566980.25	4217064.93	4.15E-03	4.48E-03	3.60E-03	3.96E-03	4.35E-04	6.42E-04	3.79E-04	3.95E-04
2287	566924.71	4217029.46	4.56E-03	4.92E-03	3.96E-03	4.36E-03	4.78E-04	7.06E-04	4.17E-04	4.35E-04
2288	566915.98	4217016.35	4.72E-03	5.09E-03	4.09E-03	4.51E-03	4.95E-04	7.30E-04	4.31E-04	4.50E-04
2289	566907.25	4217003.24	4.74E-03	5.12E-03	4.12E-03	4.53E-03	4.98E-04	7.34E-04	4.33E-04	4.52E-04
2290	566900.26	4216982.44	4.83E-03	5.21E-03	4.19E-03	4.61E-03	5.06E-04	7.47E-04	4.41E-04	4.60E-04
2291	566903.73	4216967.08	5.12E-03	5.53E-03	4.44E-03	4.89E-03	5.37E-04	7.93E-04	4.68E-04	4.88E-04
2292	566907.2	4216951.72	5.30E-03	5.72E-03	4.60E-03	5.07E-03	5.56E-04	8.21E-04	4.84E-04	5.05E-04
2293	566910.67	4216936.35	5.36E-03	5.78E-03	4.65E-03	5.12E-03	5.62E-04	8.29E-04	4.89E-04	5.10E-04
2294	566945.2	4217053.96	4.05E-03	4.37E-03	3.51E-03	3.87E-03	4.25E-04	6.27E-04	3.70E-04	3.86E-04
2295	566959.99	4217063.63	3.87E-03	4.17E-03	3.35E-03	3.69E-03	4.06E-04	5.98E-04	3.53E-04	3.69E-04
2296	566974.78	4217073.3	3.59E-03	3.88E-03	3.12E-03	3.43E-03	3.77E-04	5.56E-04	3.28E-04	3.42E-04
2297	566917.78	4217035.65	4.13E-03	4.46E-03	3.58E-03	3.94E-03	4.33E-04	6.39E-04	3.77E-04	3.93E-04
2298	566908.09	4217021.08	4.30E-03	4.65E-03	3.73E-03	4.11E-03	4.51E-04	6.66E-04	3.93E-04	4.10E-04
2299	566898.39	4217006.51	4.34E-03	4.69E-03	3.77E-03	4.15E-03	4.55E-04	6.72E-04	3.97E-04	4.14E-04
2300	566890.62	4216983.41	4.43E-03	4.78E-03	3.85E-03	4.23E-03	4.65E-04	6.86E-04	4.05E-04	4.22E-04
2301	566894.48	4216966.34	4.71E-03	5.09E-03	4.09E-03	4.50E-03	4.94E-04	7.30E-04	4.31E-04	4.49E-04
2302	566898.33	4216949.26	4.88E-03	5.27E-03	4.23E-03	4.66E-03	5.12E-04	7.55E-04	4.46E-04	4.65E-04
2303	566900.26	4216940.73	4.91E-03	5.30E-03	4.26E-03	4.69E-03	5.15E-04	7.61E-04	4.49E-04	4.68E-04
2304	566939.73	4217062.34	3.58E-03	3.87E-03	3.11E-03	3.42E-03	3.76E-04	5.54E-04	3.27E-04	3.41E-04
2305	566954.52	4217072	3.39E-03	3.66E-03	2.94E-03	3.24E-03	3.56E-04	5.25E-04	3.10E-04	3.23E-04
2306	566969.31	4217081.67	3.13E-03	3.38E-03	2.72E-03	2.99E-03	3.29E-04	4.85E-04	2.86E-04	2.99E-04
2307	566893.26	4217015.39	3.99E-03	4.30E-03	3.46E-03	3.81E-03	4.18E-04	6.17E-04	3.64E-04	3.80E-04
2308	566883.66	4217000.97	3.97E-03	4.28E-03	3.44E-03	3.79E-03	4.16E-04	6.14E-04	3.62E-04	3.78E-04
2309	566880.77	4216985.31	4.07E-03	4.40E-03	3.53E-03	3.89E-03	4.27E-04	6.30E-04	3.72E-04	3.88E-04
2310	566884.58	4216968.41	4.32E-03	4.67E-03	3.75E-03	4.13E-03	4.53E-04	6.69E-04	3.95E-04	4.12E-04
2311	566888.4	4216951.51	4.48E-03	4.84E-03	3.89E-03	4.28E-03	4.70E-04	6.94E-04	4.10E-04	4.27E-04
2312	566892.22	4216934.61	4.54E-03	4.90E-03	3.94E-03	4.33E-03	4.76E-04	7.02E-04	4.14E-04	4.32E-04
2313	566934.25	4217070.71	3.18E-03	3.43E-03	2.76E-03	3.04E-03	3.34E-04	4.92E-04	2.90E-04	3.03E-04
2314	566949.05	4217080.37	2.99E-03	3.23E-03	2.60E-03	2.86E-03	3.14E-04	4.63E-04	2.73E-04	2.85E-04
2315	566963.84	4217090.04	2.75E-03	2.97E-03	2.39E-03	2.63E-03	2.89E-04	4.26E-04	2.51E-04	2.62E-04
2316	566907.11	4217052.79	3.34E-03	3.61E-03	2.90E-03	3.19E-03	3.51E-04	5.18E-04	3.05E-04	3.19E-04
2317	566878.54	4217009.88	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.51E-04
2318	566870.92	4216987.19	3.75E-03	4.05E-03	3.26E-03	3.59E-03	3.94E-04	5.81E-04	3.43E-04	3.58E-04

2319	566874.7	4216970.43	3.98E-03	4.30E-03	3.45E-03	3.80E-03	4.18E-04	6.16E-04	3.64E-04	3.80E-04
2320	566878.49	4216953.67	4.13E-03	4.46E-03	3.59E-03	3.95E-03	4.34E-04	6.40E-04	3.78E-04	3.94E-04
2321	566882.28	4216936.91	4.20E-03	4.53E-03	3.64E-03	4.01E-03	4.40E-04	6.50E-04	3.83E-04	4.00E-04
2322	566886.06	4216920.15	4.17E-03	4.50E-03	3.62E-03	3.98E-03	4.37E-04	6.45E-04	3.81E-04	3.97E-04
2323	566928.78	4217079.08	2.83E-03	3.06E-03	2.46E-03	2.71E-03	2.97E-04	4.39E-04	2.59E-04	2.70E-04
2324	566943.58	4217088.74	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.78E-04	4.11E-04	2.42E-04	2.53E-04
2325	566958.37	4217098.41	2.43E-03	2.62E-03	2.11E-03	2.32E-03	2.55E-04	3.76E-04	2.22E-04	2.31E-04
2326	566901.74	4217061.31	3.02E-03	3.26E-03	2.62E-03	2.88E-03	3.16E-04	4.67E-04	2.76E-04	2.88E-04
2327	566892.28	4217047.1	3.22E-03	3.48E-03	2.79E-03	3.08E-03	3.38E-04	4.99E-04	2.94E-04	3.07E-04
2328	566882.83	4217032.9	3.35E-03	3.62E-03	2.91E-03	3.20E-03	3.51E-04	5.18E-04	3.06E-04	3.19E-04
2329	566861.07	4216989.07	3.47E-03	3.75E-03	3.01E-03	3.32E-03	3.64E-04	5.37E-04	3.17E-04	3.31E-04
2330	566864.83	4216972.42	3.68E-03	3.97E-03	3.19E-03	3.51E-03	3.86E-04	5.69E-04	3.36E-04	3.50E-04
2331	566868.59	4216955.78	3.82E-03	4.13E-03	3.32E-03	3.65E-03	4.01E-04	5.92E-04	3.49E-04	3.64E-04
2332	566872.35	4216939.13	3.89E-03	4.20E-03	3.38E-03	3.72E-03	4.08E-04	6.03E-04	3.56E-04	3.71E-04
2333	566876.11	4216922.49	3.89E-03	4.20E-03	3.37E-03	3.71E-03	4.08E-04	6.02E-04	3.55E-04	3.70E-04
2334	566923.31	4217087.45	2.53E-03	2.73E-03	2.20E-03	2.42E-03	2.66E-04	3.92E-04	2.31E-04	2.41E-04
2335	566938.11	4217097.12	2.36E-03	2.55E-03	2.05E-03	2.25E-03	2.48E-04	3.65E-04	2.16E-04	2.25E-04
2336	566952.9	4217106.78	2.15E-03	2.33E-03	1.87E-03	2.06E-03	2.26E-04	3.33E-04	1.97E-04	2.05E-04
2337	566896.35	4217069.81	2.73E-03	2.94E-03	2.37E-03	2.60E-03	2.86E-04	4.22E-04	2.49E-04	2.60E-04
2338	566886.95	4217055.69	2.93E-03	3.16E-03	2.54E-03	2.80E-03	3.07E-04	4.54E-04	2.68E-04	2.79E-04
2339	566877.55	4217041.56	3.07E-03	3.32E-03	2.66E-03	2.93E-03	3.22E-04	4.75E-04	2.81E-04	2.93E-04
2340	566868.15	4217027.44	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.30E-04	4.87E-04	2.87E-04	3.00E-04
2341	566858.75	4217013.32	3.16E-03	3.41E-03	2.74E-03	3.02E-03	3.32E-04	4.89E-04	2.89E-04	3.01E-04
2342	566854.96	4216974.38	3.41E-03	3.68E-03	2.96E-03	3.25E-03	3.57E-04	5.27E-04	3.11E-04	3.25E-04
2343	566858.7	4216957.84	3.54E-03	3.82E-03	3.07E-03	3.38E-03	3.72E-04	5.48E-04	3.24E-04	3.38E-04
2344	566862.44	4216941.29	3.62E-03	3.91E-03	3.14E-03	3.46E-03	3.79E-04	5.60E-04	3.30E-04	3.45E-04
2345	566866.18	4216924.75	3.63E-03	3.91E-03	3.15E-03	3.46E-03	3.80E-04	5.61E-04	3.31E-04	3.46E-04
2346	566869.92	4216908.2	3.57E-03	3.85E-03	3.10E-03	3.41E-03	3.74E-04	5.52E-04	3.26E-04	3.40E-04
2347	566917.84	4217095.82	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.52E-04	2.08E-04	2.17E-04
2348	566932.64	4217105.49	2.11E-03	2.28E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.93E-04	2.01E-04
2349	566947.43	4217115.15	1.92E-03	2.07E-03	1.67E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
2350	566890.95	4217078.29	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.83E-04	2.26E-04	2.36E-04
2351	566881.6	4217064.24	2.67E-03	2.88E-03	2.32E-03	2.55E-03	2.80E-04	4.13E-04	2.44E-04	2.54E-04
2352	566872.25	4217050.19	2.82E-03	3.04E-03	2.44E-03	2.69E-03	2.96E-04	4.36E-04	2.57E-04	2.69E-04
2353	566862.9	4217036.14	2.91E-03	3.14E-03	2.53E-03	2.78E-03	3.05E-04	4.51E-04	2.66E-04	2.78E-04
2354	566853.55	4217022.09	2.95E-03	3.18E-03	2.56E-03	2.82E-03	3.09E-04	4.57E-04	2.69E-04	2.81E-04
2355	566844.2	4217008.04	2.93E-03	3.16E-03	2.54E-03	2.80E-03	3.07E-04	4.54E-04	2.68E-04	2.79E-04
2356	566845.1	4216976.33	3.17E-03	3.42E-03	2.75E-03	3.02E-03	3.32E-04	4.90E-04	2.89E-04	3.02E-04
2357	566848.82	4216959.86	3.29E-03	3.55E-03	2.86E-03	3.15E-03	3.45E-04	5.10E-04	3.01E-04	3.14E-04
2358	566852.54	4216943.4	3.37E-03	3.64E-03	2.92E-03	3.22E-03	3.53E-04	5.22E-04	3.08E-04	3.21E-04
2359	566912.37	4217104.19	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
2360	566927.17	4217113.86	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.99E-04	2.93E-04	1.73E-04	1.80E-04
2361	566941.96	4217123.53	1.72E-03	1.86E-03	1.49E-03	1.64E-03	1.80E-04	2.66E-04	1.57E-04	1.64E-04
2362	566885.54	4217086.75	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.48E-04	2.05E-04	2.14E-04
2363	566876.23	4217072.76	2.44E-03	2.63E-03	2.11E-03	2.33E-03	2.56E-04	3.77E-04	2.23E-04	2.32E-04
2364	566866.93	4217058.78	2.59E-03	2.79E-03	2.25E-03	2.47E-03	2.72E-04	4.01E-04	2.37E-04	2.47E-04
2365	566857.62	4217044.79	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
2366	566848.31	4217030.81	2.75E-03	2.97E-03	2.39E-03	2.63E-03	2.88E-04	4.26E-04	2.51E-04	2.62E-04
2367	566839	4217016.82	2.76E-03	2.97E-03	2.39E-03	2.63E-03	2.89E-04	4.27E-04	2.52E-04	2.63E-04
2368	566831.54	4216994.64	2.80E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
2369	566835.24	4216978.25	2.96E-03	3.19E-03	2.56E-03	2.82E-03	3.10E-04	4.58E-04	2.70E-04	2.82E-04
2370	566838.94	4216961.86	3.07E-03	3.32E-03	2.67E-03	2.93E-03	3.22E-04	4.76E-04	2.81E-04	2.93E-04
2371	566842.65	4216945.47	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.30E-04	4.87E-04	2.87E-04	3.00E-04
2372	566850.05	4216912.7	3.15E-03	3.40E-03	2.73E-03	3.01E-03	3.30E-04	4.88E-04	2.88E-04	3.00E-04

2373	566906.9	4217112.56	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.87E-04	1.69E-04	1.77E-04
2374	566921.7	4217122.23	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2375	566936.49	4217131.9	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2376	566880.13	4217095.2	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
2377	566870.86	4217081.27	2.23E-03	2.41E-03	1.93E-03	2.13E-03	2.34E-04	3.45E-04	2.04E-04	2.13E-04
2378	566861.58	4217067.34	2.38E-03	2.57E-03	2.07E-03	2.27E-03	2.50E-04	3.69E-04	2.17E-04	2.27E-04
2379	566852.31	4217053.41	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.86E-04	2.28E-04	2.38E-04
2380	566843.04	4217039.48	2.56E-03	2.77E-03	2.22E-03	2.45E-03	2.69E-04	3.97E-04	2.34E-04	2.44E-04
2381	566833.76	4217025.55	2.59E-03	2.79E-03	2.24E-03	2.47E-03	2.71E-04	4.00E-04	2.36E-04	2.47E-04
2382	566824.49	4217011.61	2.57E-03	2.78E-03	2.23E-03	2.46E-03	2.70E-04	3.98E-04	2.35E-04	2.45E-04
2383	566821.7	4216996.49	2.63E-03	2.84E-03	2.28E-03	2.51E-03	2.76E-04	4.07E-04	2.40E-04	2.51E-04
2384	566829.07	4216963.84	2.88E-03	3.10E-03	2.50E-03	2.75E-03	3.02E-04	4.45E-04	2.63E-04	2.74E-04
2385	566840.14	4216914.87	2.97E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.83E-04
2386	566843.83	4216898.54	2.91E-03	3.14E-03	2.53E-03	2.78E-03	3.06E-04	4.51E-04	2.66E-04	2.78E-04
2387	566901.43	4217120.93	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.76E-04	2.60E-04	1.54E-04	1.60E-04
2388	566916.23	4217130.6	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.40E-04	1.41E-04	1.48E-04
2389	566931.02	4217140.27	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2390	566874.71	4217103.65	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.90E-04	1.71E-04	1.78E-04
2391	566865.47	4217089.76	2.04E-03	2.21E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
2392	566856.22	4217075.88	2.19E-03	2.37E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
2393	566846.98	4217062	2.31E-03	2.49E-03	2.00E-03	2.20E-03	2.42E-04	3.57E-04	2.11E-04	2.20E-04
2394	566837.74	4217048.11	2.39E-03	2.58E-03	2.07E-03	2.28E-03	2.50E-04	3.69E-04	2.18E-04	2.27E-04
2395	566828.5	4217034.23	2.43E-03	2.62E-03	2.10E-03	2.32E-03	2.54E-04	3.75E-04	2.22E-04	2.31E-04
2396	566819.26	4217020.35	2.43E-03	2.62E-03	2.11E-03	2.32E-03	2.55E-04	3.76E-04	2.22E-04	2.31E-04
2397	566811.86	4216998.33	2.47E-03	2.67E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.26E-04	2.35E-04
2398	566826.56	4216933.26	2.80E-03	3.03E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
2399	566830.24	4216916.99	2.80E-03	3.02E-03	2.43E-03	2.68E-03	2.94E-04	4.34E-04	2.56E-04	2.67E-04
2400	566833.91	4216900.72	2.76E-03	2.98E-03	2.39E-03	2.64E-03	2.90E-04	4.27E-04	2.52E-04	2.63E-04
2401	566895.96	4217129.31	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
2402	566910.76	4217138.97	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.48E-04	2.18E-04	1.29E-04	1.34E-04
2403	566925.55	4217148.64	1.27E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.97E-04	1.16E-04	1.21E-04
2404	566858.71	4217096.21	1.90E-03	2.05E-03	1.65E-03	1.81E-03	1.99E-04	2.94E-04	1.73E-04	1.81E-04
2405	566848.96	4217081.55	2.05E-03	2.21E-03	1.78E-03	1.95E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
2406	566839.2	4217066.9	2.16E-03	2.33E-03	1.88E-03	2.07E-03	2.27E-04	3.35E-04	1.98E-04	2.06E-04
2407	566829.45	4217052.24	2.24E-03	2.42E-03	1.95E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
2408	566819.69	4217037.59	2.28E-03	2.46E-03	1.98E-03	2.18E-03	2.39E-04	3.53E-04	2.09E-04	2.18E-04
2409	566809.94	4217022.93	2.29E-03	2.47E-03	1.99E-03	2.19E-03	2.40E-04	3.54E-04	2.09E-04	2.18E-04
2410	566813.77	4216948.18	2.62E-03	2.82E-03	2.27E-03	2.50E-03	2.74E-04	4.05E-04	2.39E-04	2.49E-04
2411	566817.64	4216931.01	2.65E-03	2.86E-03	2.30E-03	2.53E-03	2.78E-04	4.10E-04	2.42E-04	2.52E-04
2412	566821.52	4216913.84	2.64E-03	2.85E-03	2.29E-03	2.52E-03	2.77E-04	4.09E-04	2.41E-04	2.52E-04
2413	566825.4	4216896.67	2.60E-03	2.81E-03	2.25E-03	2.48E-03	2.73E-04	4.02E-04	2.37E-04	2.48E-04
2414	566890.49	4217137.68	1.40E-03	1.51E-03	1.21E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.33E-04
2415	566905.29	4217147.34	1.28E-03	1.39E-03	1.11E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.22E-04
2416	566920.08	4217157.01	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
2417	566843.69	4217090.22	1.89E-03	2.04E-03	1.64E-03	1.80E-03	1.98E-04	2.92E-04	1.73E-04	1.80E-04
2418	566833.99	4217075.65	2.01E-03	2.16E-03	1.74E-03	1.92E-03	2.10E-04	3.10E-04	1.83E-04	1.91E-04
2419	566824.29	4217061.09	2.09E-03	2.26E-03	1.81E-03	2.00E-03	2.19E-04	3.24E-04	1.91E-04	1.99E-04
2420	566814.6	4217046.52	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.04E-04
2421	566804.9	4217031.95	2.16E-03	2.33E-03	1.88E-03	2.06E-03	2.27E-04	3.35E-04	1.97E-04	2.06E-04
2422	566795.2	4217017.38	2.15E-03	2.32E-03	1.87E-03	2.05E-03	2.26E-04	3.33E-04	1.96E-04	2.05E-04
2423	566803.85	4216950.35	2.47E-03	2.66E-03	2.14E-03	2.36E-03	2.59E-04	3.82E-04	2.25E-04	2.35E-04
2424	566807.71	4216933.27	2.50E-03	2.70E-03	2.17E-03	2.39E-03	2.62E-04	3.87E-04	2.28E-04	2.38E-04
2425	566809.64	4216924.74	2.51E-03	2.70E-03	2.17E-03	2.39E-03	2.63E-04	3.88E-04	2.29E-04	2.39E-04
2426	566813.49	4216907.67	2.49E-03	2.69E-03	2.16E-03	2.38E-03	2.61E-04	3.86E-04	2.28E-04	2.37E-04

2427	566817.35	4216890.6	2.44E-03	2.64E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
2428	566885.02	4217146.05	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2429	566899.82	4217155.71	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2430	566914.61	4217165.38	1.06E-03	1.15E-03	9.22E-04	1.01E-03	1.11E-04	1.64E-04	9.70E-05	1.01E-04
2431	566857.69	4217127.85	1.46E-03	1.57E-03	1.26E-03	1.39E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
2432	566848.04	4217113.35	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2433	566819.1	4217069.88	1.95E-03	2.10E-03	1.69E-03	1.86E-03	2.05E-04	3.02E-04	1.78E-04	1.86E-04
2434	566809.46	4217055.39	2.01E-03	2.17E-03	1.74E-03	1.92E-03	2.11E-04	3.11E-04	1.84E-04	1.92E-04
2435	566799.81	4217040.89	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.86E-04	1.94E-04
2436	566790.16	4217026.4	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.16E-04	1.87E-04	1.95E-04
2437	566786.27	4216986.44	2.18E-03	2.35E-03	1.89E-03	2.08E-03	2.29E-04	3.38E-04	1.99E-04	2.08E-04
2438	566790.11	4216969.46	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
2439	566797.78	4216935.49	2.37E-03	2.55E-03	2.05E-03	2.26E-03	2.48E-04	3.66E-04	2.16E-04	2.25E-04
2440	566801.62	4216918.51	2.37E-03	2.56E-03	2.06E-03	2.27E-03	2.49E-04	3.67E-04	2.17E-04	2.26E-04
2441	566805.46	4216901.53	2.35E-03	2.54E-03	2.04E-03	2.25E-03	2.47E-04	3.64E-04	2.15E-04	2.24E-04
2442	566809.29	4216884.55	2.30E-03	2.48E-03	2.00E-03	2.20E-03	2.41E-04	3.56E-04	2.10E-04	2.19E-04
2443	566894.35	4217164.09	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.67E-04	9.83E-05	1.03E-04
2444	566909.14	4217173.75	9.74E-04	1.05E-03	8.45E-04	9.31E-04	1.02E-04	1.51E-04	8.90E-05	9.29E-05
2445	566852.29	4217136.32	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2446	566842.69	4217121.9	1.48E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.35E-04	1.41E-04
2447	566833.09	4217107.48	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
2448	566794.69	4217049.78	1.92E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.98E-04	1.76E-04	1.83E-04
2449	566785.08	4217035.36	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
2450	566772.59	4217005.27	1.97E-03	2.12E-03	1.71E-03	1.88E-03	2.06E-04	3.05E-04	1.80E-04	1.88E-04
2451	566776.41	4216988.37	2.06E-03	2.23E-03	1.79E-03	1.97E-03	2.16E-04	3.19E-04	1.89E-04	1.97E-04
2452	566780.23	4216971.47	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.04E-04
2453	566787.87	4216937.67	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.14E-04
2454	566791.69	4216920.77	2.25E-03	2.43E-03	1.95E-03	2.15E-03	2.36E-04	3.49E-04	2.06E-04	2.15E-04
2455	566795.5	4216903.87	2.24E-03	2.42E-03	1.94E-03	2.14E-03	2.35E-04	3.47E-04	2.05E-04	2.13E-04
2456	566799.32	4216886.97	2.20E-03	2.38E-03	1.91E-03	2.10E-03	2.31E-04	3.41E-04	2.01E-04	2.10E-04
2457	566803.14	4216870.07	2.14E-03	2.31E-03	1.85E-03	2.04E-03	2.24E-04	3.31E-04	1.95E-04	2.04E-04
2458	566874.08	4217162.79	1.08E-03	1.17E-03	9.39E-04	1.03E-03	1.14E-04	1.68E-04	9.89E-05	1.03E-04
2459	566888.88	4217172.46	9.90E-04	1.07E-03	8.59E-04	9.45E-04	1.04E-04	1.53E-04	9.04E-05	9.43E-05
2460	566903.67	4217182.12	8.97E-04	9.68E-04	7.78E-04	8.57E-04	9.41E-05	1.39E-04	8.19E-05	8.55E-05
2461	566846.88	4217144.79	1.24E-03	1.34E-03	1.07E-03	1.18E-03	1.30E-04	1.91E-04	1.13E-04	1.18E-04
2462	566837.32	4217130.43	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.44E-04	2.12E-04	1.25E-04	1.31E-04
2463	566827.76	4217116.07	1.50E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.37E-04	1.43E-04
2464	566818.2	4217101.7	1.61E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.47E-04	1.53E-04
2465	566808.64	4217087.34	1.70E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.63E-04	1.55E-04	1.62E-04
2466	566762.75	4217007.13	1.87E-03	2.01E-03	1.62E-03	1.78E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
2467	566766.55	4216990.3	1.96E-03	2.11E-03	1.70E-03	1.87E-03	2.05E-04	3.03E-04	1.79E-04	1.86E-04
2468	566770.36	4216973.47	2.03E-03	2.19E-03	1.76E-03	1.94E-03	2.13E-04	3.14E-04	1.85E-04	1.94E-04
2469	566774.16	4216956.64	2.09E-03	2.25E-03	1.81E-03	1.99E-03	2.19E-04	3.23E-04	1.91E-04	1.99E-04
2470	566781.76	4216922.99	2.14E-03	2.31E-03	1.86E-03	2.05E-03	2.25E-04	3.31E-04	1.96E-04	2.04E-04
2471	566785.56	4216906.16	2.13E-03	2.30E-03	1.85E-03	2.04E-03	2.24E-04	3.30E-04	1.95E-04	2.03E-04
2472	566789.36	4216889.34	2.10E-03	2.27E-03	1.83E-03	2.01E-03	2.21E-04	3.26E-04	1.92E-04	2.01E-04
2473	566793.17	4216872.51	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.18E-04	1.87E-04	1.96E-04
2474	566868.61	4217171.16	9.99E-04	1.08E-03	8.66E-04	9.54E-04	1.05E-04	1.55E-04	9.12E-05	9.52E-05
2475	566898.2	4217190.49	8.29E-04	8.95E-04	7.19E-04	7.92E-04	8.69E-05	1.28E-04	7.57E-05	7.90E-05
2476	566831.94	4217138.94	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2477	566822.42	4217124.64	1.39E-03	1.50E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.27E-04	1.32E-04
2478	566812.9	4217110.33	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
2479	566803.38	4217096.03	1.58E-03	1.71E-03	1.37E-03	1.51E-03	1.66E-04	2.45E-04	1.45E-04	1.51E-04
2480	566793.86	4217081.72	1.66E-03	1.79E-03	1.44E-03	1.58E-03	1.74E-04	2.56E-04	1.51E-04	1.58E-04

2481	566784.34	4217067.42	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2482	566752.91	4217008.97	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.75E-04	1.62E-04	1.69E-04
2483	566756.7	4216992.21	1.86E-03	2.00E-03	1.61E-03	1.77E-03	1.95E-04	2.87E-04	1.70E-04	1.77E-04
2484	566760.48	4216975.45	1.93E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.98E-04	1.76E-04	1.84E-04
2485	566764.27	4216958.69	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.07E-04	1.81E-04	1.89E-04
2486	566771.84	4216925.17	2.04E-03	2.20E-03	1.77E-03	1.95E-03	2.14E-04	3.15E-04	1.86E-04	1.94E-04
2487	566775.63	4216908.41	2.04E-03	2.20E-03	1.77E-03	1.94E-03	2.13E-04	3.15E-04	1.86E-04	1.94E-04
2488	566779.42	4216891.65	2.01E-03	2.17E-03	1.75E-03	1.92E-03	2.11E-04	3.12E-04	1.84E-04	1.92E-04
2489	566783.2	4216874.89	1.97E-03	2.13E-03	1.71E-03	1.88E-03	2.07E-04	3.05E-04	1.80E-04	1.88E-04
2490	566786.99	4216858.13	1.91E-03	2.06E-03	1.66E-03	1.82E-03	2.00E-04	2.95E-04	1.74E-04	1.82E-04
2491	566863.14	4217179.53	9.24E-04	9.97E-04	8.02E-04	8.83E-04	9.69E-05	1.43E-04	8.44E-05	8.81E-05
2492	566892.73	4217198.87	7.68E-04	8.29E-04	6.66E-04	7.34E-04	8.06E-05	1.19E-04	7.02E-05	7.32E-05
2493	566826.56	4217147.44	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2494	566817.07	4217133.19	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.17E-04	1.23E-04
2495	566807.59	4217118.94	1.39E-03	1.50E-03	1.21E-03	1.33E-03	1.46E-04	2.15E-04	1.27E-04	1.32E-04
2496	566798.1	4217104.68	1.48E-03	1.60E-03	1.28E-03	1.41E-03	1.55E-04	2.29E-04	1.35E-04	1.41E-04
2497	566788.61	4217090.43	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2498	566779.13	4217076.18	1.61E-03	1.74E-03	1.39E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2499	566769.64	4217061.93	1.64E-03	1.77E-03	1.43E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.57E-04
2500	566743.07	4217010.82	1.69E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.61E-04
2501	566746.84	4216994.12	1.76E-03	1.90E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2502	566750.62	4216977.42	1.83E-03	1.98E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
2503	566754.39	4216960.72	1.88E-03	2.03E-03	1.63E-03	1.80E-03	1.98E-04	2.91E-04	1.72E-04	1.80E-04
2504	566758.16	4216944.02	1.92E-03	2.07E-03	1.67E-03	1.83E-03	2.01E-04	2.97E-04	1.75E-04	1.83E-04
2505	566765.71	4216910.62	1.94E-03	2.10E-03	1.69E-03	1.86E-03	2.04E-04	3.01E-04	1.77E-04	1.85E-04
2506	566769.48	4216893.92	1.93E-03	2.08E-03	1.67E-03	1.84E-03	2.02E-04	2.98E-04	1.76E-04	1.84E-04
2507	566773.25	4216877.22	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.98E-04	2.93E-04	1.73E-04	1.80E-04
2508	566777.03	4216860.52	1.84E-03	1.99E-03	1.60E-03	1.76E-03	1.93E-04	2.85E-04	1.68E-04	1.75E-04
2509	566857.67	4217187.9	8.57E-04	9.25E-04	7.44E-04	8.19E-04	8.99E-05	1.33E-04	7.83E-05	8.17E-05
2510	566872.47	4217197.57	7.85E-04	8.47E-04	6.81E-04	7.50E-04	8.23E-05	1.21E-04	7.17E-05	7.48E-05
2511	566887.26	4217207.24	7.14E-04	7.70E-04	6.19E-04	6.82E-04	7.49E-05	1.10E-04	6.52E-05	6.80E-05
2512	566821.17	4217155.93	1.09E-03	1.18E-03	9.46E-04	1.04E-03	1.14E-04	1.69E-04	9.96E-05	1.04E-04
2513	566811.71	4217141.73	1.20E-03	1.29E-03	1.04E-03	1.14E-03	1.25E-04	1.85E-04	1.09E-04	1.14E-04
2514	566802.26	4217127.52	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2515	566792.8	4217113.32	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2516	566783.35	4217099.11	1.46E-03	1.57E-03	1.26E-03	1.39E-03	1.53E-04	2.25E-04	1.33E-04	1.39E-04
2517	566773.9	4217084.91	1.51E-03	1.63E-03	1.31E-03	1.45E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
2518	566764.44	4217070.7	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
2519	566745.53	4217042.29	1.59E-03	1.71E-03	1.38E-03	1.51E-03	1.66E-04	2.45E-04	1.45E-04	1.51E-04
2520	566736.99	4216996.02	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
2521	566740.75	4216979.37	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
2522	566744.51	4216962.73	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.64E-04	1.71E-04
2523	566748.27	4216946.09	1.83E-03	1.97E-03	1.59E-03	1.75E-03	1.92E-04	2.83E-04	1.67E-04	1.74E-04
2524	566755.79	4216912.8	1.86E-03	2.00E-03	1.61E-03	1.77E-03	1.95E-04	2.87E-04	1.70E-04	1.77E-04
2525	566759.55	4216896.15	1.84E-03	1.99E-03	1.60E-03	1.76E-03	1.93E-04	2.85E-04	1.68E-04	1.76E-04
2526	566763.31	4216879.51	1.82E-03	1.96E-03	1.58E-03	1.73E-03	1.90E-04	2.81E-04	1.66E-04	1.73E-04
2527	566767.07	4216862.87	1.77E-03	1.91E-03	1.54E-03	1.69E-03	1.86E-04	2.74E-04	1.62E-04	1.69E-04
2528	566770.83	4216846.22	1.71E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.65E-04	1.57E-04	1.63E-04
2529	566852.2	4217196.28	7.97E-04	8.60E-04	6.92E-04	7.61E-04	8.36E-05	1.23E-04	7.28E-05	7.60E-05
2530	566867	4217205.94	7.30E-04	7.88E-04	6.33E-04	6.97E-04	7.66E-05	1.13E-04	6.67E-05	6.96E-05
2531	566815.77	4217164.41	1.02E-03	1.10E-03	8.81E-04	9.70E-04	1.06E-04	1.57E-04	9.27E-05	9.68E-05
2532	566806.35	4217150.25	1.11E-03	1.20E-03	9.65E-04	1.06E-03	1.17E-04	1.72E-04	1.02E-04	1.06E-04
2533	566796.92	4217136.09	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
2534	566787.49	4217121.93	1.29E-03	1.40E-03	1.12E-03	1.23E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04

2535	566778.07	4217107.77	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.43E-04	2.12E-04	1.25E-04	1.30E-04
2536	566768.64	4217093.61	1.43E-03	1.54E-03	1.24E-03	1.36E-03	1.50E-04	2.21E-04	1.30E-04	1.36E-04
2537	566759.22	4217079.44	1.47E-03	1.59E-03	1.28E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
2538	566740.37	4217051.12	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
2539	566730.94	4217036.96	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.34E-04	1.38E-04	1.44E-04
2540	566727.14	4216997.91	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
2541	566730.89	4216981.32	1.66E-03	1.79E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.58E-04
2542	566734.64	4216964.72	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2543	566738.39	4216948.13	1.74E-03	1.88E-03	1.51E-03	1.67E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
2544	566742.13	4216931.54	1.77E-03	1.91E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2545	566749.63	4216898.35	1.77E-03	1.91E-03	1.53E-03	1.69E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2546	566753.38	4216881.76	1.74E-03	1.88E-03	1.51E-03	1.67E-03	1.83E-04	2.70E-04	1.59E-04	1.66E-04
2547	566757.13	4216865.17	1.71E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.63E-04
2548	566760.88	4216848.57	1.66E-03	1.79E-03	1.44E-03	1.58E-03	1.74E-04	2.57E-04	1.51E-04	1.58E-04
2549	566846.73	4217204.65	7.43E-04	8.02E-04	6.45E-04	7.10E-04	7.79E-05	1.15E-04	6.79E-05	7.08E-05
2550	566861.53	4217214.31	6.81E-04	7.35E-04	5.90E-04	6.50E-04	7.14E-05	1.05E-04	6.22E-05	6.49E-05
2551	566809.43	4217171.47	9.56E-04	1.03E-03	8.29E-04	9.13E-04	1.00E-04	1.48E-04	8.73E-05	9.11E-05
2552	566799.65	4217156.78	1.05E-03	1.13E-03	9.11E-04	1.00E-03	1.10E-04	1.63E-04	9.60E-05	1.00E-04
2553	566789.88	4217142.1	1.14E-03	1.23E-03	9.91E-04	1.09E-03	1.20E-04	1.77E-04	1.04E-04	1.09E-04
2554	566780.1	4217127.41	1.23E-03	1.32E-03	1.06E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
2555	566765.44	4217105.39	1.33E-03	1.44E-03	1.15E-03	1.27E-03	1.40E-04	2.06E-04	1.22E-04	1.27E-04
2556	566755.67	4217090.7	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2557	566736.12	4217061.33	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
2558	566726.34	4217046.64	1.45E-03	1.56E-03	1.25E-03	1.38E-03	1.52E-04	2.24E-04	1.32E-04	1.38E-04
2559	566716.57	4217031.96	1.44E-03	1.55E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
2560	566713.63	4217016.01	1.47E-03	1.58E-03	1.27E-03	1.40E-03	1.54E-04	2.27E-04	1.34E-04	1.40E-04
2561	566719.46	4216990.2	1.56E-03	1.69E-03	1.35E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2562	566723.34	4216972.99	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.47E-04	1.54E-04
2563	566727.23	4216955.79	1.65E-03	1.79E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.58E-04
2564	566729.18	4216947.18	1.67E-03	1.80E-03	1.45E-03	1.59E-03	1.75E-04	2.58E-04	1.53E-04	1.59E-04
2565	566733.06	4216929.97	1.69E-03	1.83E-03	1.47E-03	1.62E-03	1.77E-04	2.62E-04	1.54E-04	1.61E-04
2566	566738.9	4216904.16	1.70E-03	1.83E-03	1.47E-03	1.62E-03	1.78E-04	2.63E-04	1.55E-04	1.62E-04
2567	566742.78	4216886.96	1.68E-03	1.81E-03	1.46E-03	1.61E-03	1.76E-04	2.60E-04	1.54E-04	1.60E-04
2568	566746.67	4216869.75	1.65E-03	1.78E-03	1.43E-03	1.58E-03	1.73E-04	2.56E-04	1.51E-04	1.57E-04
2569	566750.56	4216852.54	1.61E-03	1.74E-03	1.39E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2570	566754.45	4216835.33	1.55E-03	1.67E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2571	566841.26	4217213.02	6.93E-04	7.48E-04	6.01E-04	6.62E-04	7.27E-05	1.07E-04	6.33E-05	6.61E-05
2572	566856.06	4217222.68	6.36E-04	6.86E-04	5.51E-04	6.07E-04	6.67E-05	9.84E-05	5.81E-05	6.06E-05
2573	566870.85	4217232.35	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.09E-05	8.99E-05	5.31E-05	5.54E-05
2574	566823.53	4217209.24	7.16E-04	7.72E-04	6.21E-04	6.84E-04	7.51E-05	1.11E-04	6.54E-05	6.82E-05
2575	566784.59	4217150.74	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
2576	566774.86	4217136.12	1.15E-03	1.24E-03	9.96E-04	1.10E-03	1.20E-04	1.78E-04	1.05E-04	1.09E-04
2577	566765.12	4217121.49	1.22E-03	1.32E-03	1.06E-03	1.17E-03	1.28E-04	1.89E-04	1.11E-04	1.16E-04
2578	566755.39	4217106.87	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2579	566745.65	4217092.24	1.33E-03	1.43E-03	1.15E-03	1.27E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
2580	566726.18	4217062.99	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.44E-04	2.13E-04	1.26E-04	1.31E-04
2581	566716.45	4217048.37	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2582	566706.71	4217033.74	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.44E-04	2.13E-04	1.26E-04	1.31E-04
2583	566703.78	4217017.86	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2584	566711.53	4216983.59	1.52E-03	1.64E-03	1.32E-03	1.45E-03	1.59E-04	2.35E-04	1.39E-04	1.45E-04
2585	566715.4	4216966.45	1.56E-03	1.69E-03	1.35E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2586	566719.27	4216949.32	1.60E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.47E-04	1.46E-04	1.52E-04
2587	566721.21	4216940.75	1.61E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.49E-04	1.47E-04	1.53E-04
2588	566725.08	4216923.61	1.62E-03	1.75E-03	1.41E-03	1.55E-03	1.70E-04	2.51E-04	1.48E-04	1.55E-04

2589	566732.82	4216889.34	1.62E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.48E-04	1.54E-04
2590	566736.69	4216872.2	1.59E-03	1.72E-03	1.38E-03	1.52E-03	1.67E-04	2.46E-04	1.45E-04	1.52E-04
2591	566740.57	4216855.06	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.41E-04	1.42E-04	1.48E-04
2592	566835.79	4217221.39	6.48E-04	6.99E-04	5.62E-04	6.19E-04	6.79E-05	1.00E-04	5.92E-05	6.17E-05
2593	566850.59	4217231.06	5.94E-04	6.42E-04	5.16E-04	5.68E-04	6.24E-05	9.20E-05	5.43E-05	5.67E-05
2594	566865.38	4217240.72	5.44E-04	5.88E-04	4.72E-04	5.20E-04	5.71E-05	8.43E-05	4.97E-05	5.19E-05
2595	566818.08	4217217.64	6.70E-04	7.23E-04	5.81E-04	6.40E-04	7.02E-05	1.04E-04	6.12E-05	6.38E-05
2596	566798.68	4217188.5	8.33E-04	8.99E-04	7.22E-04	7.95E-04	8.73E-05	1.29E-04	7.61E-05	7.94E-05
2597	566769.59	4217144.8	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.66E-04	9.83E-05	1.03E-04
2598	566759.89	4217130.23	1.15E-03	1.24E-03	9.95E-04	1.09E-03	1.20E-04	1.77E-04	1.05E-04	1.09E-04
2599	566750.2	4217115.66	1.21E-03	1.30E-03	1.05E-03	1.15E-03	1.27E-04	1.87E-04	1.10E-04	1.15E-04
2600	566740.5	4217101.09	1.25E-03	1.35E-03	1.09E-03	1.20E-03	1.32E-04	1.94E-04	1.15E-04	1.20E-04
2601	566721.11	4217071.95	1.31E-03	1.42E-03	1.14E-03	1.25E-03	1.38E-04	2.03E-04	1.20E-04	1.25E-04
2602	566711.41	4217057.38	1.32E-03	1.43E-03	1.15E-03	1.26E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
2603	566701.71	4217042.81	1.32E-03	1.43E-03	1.15E-03	1.26E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
2604	566693.94	4217019.71	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2605	566697.8	4217002.64	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
2606	566701.66	4216985.57	1.45E-03	1.57E-03	1.26E-03	1.39E-03	1.52E-04	2.25E-04	1.33E-04	1.38E-04
2607	566705.51	4216968.5	1.49E-03	1.61E-03	1.30E-03	1.43E-03	1.57E-04	2.31E-04	1.36E-04	1.42E-04
2608	566709.37	4216951.43	1.53E-03	1.65E-03	1.32E-03	1.46E-03	1.60E-04	2.36E-04	1.39E-04	1.45E-04
2609	566713.23	4216934.36	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.40E-04	1.41E-04	1.48E-04
2610	566717.08	4216917.28	1.56E-03	1.68E-03	1.35E-03	1.49E-03	1.64E-04	2.41E-04	1.42E-04	1.49E-04
2611	566722.87	4216891.68	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
2612	566726.73	4216874.61	1.53E-03	1.66E-03	1.33E-03	1.46E-03	1.61E-04	2.37E-04	1.40E-04	1.46E-04
2613	566830.32	4217229.76	6.07E-04	6.55E-04	5.26E-04	5.80E-04	6.36E-05	9.39E-05	5.54E-05	5.78E-05
2614	566845.12	4217239.43	5.57E-04	6.02E-04	4.83E-04	5.32E-04	5.84E-05	8.63E-05	5.09E-05	5.31E-05
2615	566859.91	4217249.09	5.11E-04	5.52E-04	4.44E-04	4.88E-04	5.36E-05	7.91E-05	4.67E-05	4.87E-05
2616	566812.62	4217226.04	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.59E-05	9.72E-05	5.74E-05	5.99E-05
2617	566793.3	4217197.01	7.79E-04	8.41E-04	6.76E-04	7.44E-04	8.17E-05	1.21E-04	7.11E-05	7.42E-05
2618	566783.64	4217182.49	8.58E-04	9.27E-04	7.45E-04	8.20E-04	9.00E-05	1.33E-04	7.84E-05	8.18E-05
2619	566773.97	4217167.97	9.36E-04	1.01E-03	8.12E-04	8.94E-04	9.82E-05	1.45E-04	8.55E-05	8.92E-05
2620	566744.99	4217124.42	1.14E-03	1.23E-03	9.87E-04	1.09E-03	1.19E-04	1.76E-04	1.04E-04	1.08E-04
2621	566735.32	4217109.9	1.19E-03	1.28E-03	1.03E-03	1.13E-03	1.25E-04	1.84E-04	1.08E-04	1.13E-04
2622	566716	4217080.87	1.25E-03	1.35E-03	1.09E-03	1.19E-03	1.31E-04	1.94E-04	1.14E-04	1.19E-04
2623	566706.34	4217066.35	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2624	566696.67	4217051.84	1.27E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.97E-04	1.16E-04	1.21E-04
2625	566687.01	4217037.32	1.26E-03	1.37E-03	1.10E-03	1.21E-03	1.33E-04	1.96E-04	1.16E-04	1.21E-04
2626	566684.1	4217021.56	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	1.99E-04	1.18E-04	1.23E-04
2627	566687.94	4217004.55	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.22E-04	1.28E-04
2628	566695.63	4216970.53	1.43E-03	1.54E-03	1.24E-03	1.37E-03	1.50E-04	2.21E-04	1.31E-04	1.36E-04
2629	566699.47	4216953.52	1.46E-03	1.58E-03	1.27E-03	1.40E-03	1.53E-04	2.26E-04	1.33E-04	1.39E-04
2630	566703.32	4216936.51	1.48E-03	1.60E-03	1.29E-03	1.42E-03	1.56E-04	2.30E-04	1.36E-04	1.41E-04
2631	566707.16	4216919.5	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
2632	566730.22	4216817.44	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2633	566824.85	4217238.13	5.70E-04	6.15E-04	4.94E-04	5.44E-04	5.98E-05	8.82E-05	5.20E-05	5.43E-05
2634	566839.65	4217247.8	5.24E-04	5.65E-04	4.54E-04	5.00E-04	5.49E-05	8.11E-05	4.78E-05	4.99E-05
2635	566854.44	4217257.46	4.81E-04	5.19E-04	4.17E-04	4.60E-04	5.05E-05	7.45E-05	4.39E-05	4.59E-05
2636	567028.78	4217030.96	1.10E-02	1.19E-02	9.57E-03	1.05E-02	1.16E-03	1.71E-03	1.01E-03	1.05E-03
2637	567018.45	4217028.67	1.01E-02	1.09E-02	8.79E-03	9.68E-03	1.06E-03	1.57E-03	9.25E-04	9.65E-04
2638	567040.63	4217040.44	1.03E-02	1.11E-02	8.95E-03	9.85E-03	1.08E-03	1.60E-03	9.42E-04	9.83E-04
2639	567029.22	4217040.64	8.93E-03	9.63E-03	7.74E-03	8.53E-03	9.36E-04	1.38E-03	8.15E-04	8.51E-04
2640	567017.41	4217038.02	8.32E-03	8.99E-03	7.22E-03	7.95E-03	8.73E-04	1.29E-03	7.60E-04	7.93E-04
2641	567055.69	4217042.82	1.19E-02	1.29E-02	1.03E-02	1.14E-02	1.25E-03	1.84E-03	1.09E-03	1.14E-03
2642	567045.39	4217048.5	8.81E-03	9.51E-03	7.64E-03	8.41E-03	9.24E-04	1.36E-03	8.04E-04	8.39E-04

2643	567034.69	4217051.43	7.36E-03	7.95E-03	6.39E-03	7.03E-03	7.72E-04	1.14E-03	6.73E-04	7.02E-04
2644	567023.2	4217048.89	7.06E-03	7.62E-03	6.13E-03	6.74E-03	7.41E-04	1.09E-03	6.45E-04	6.73E-04
2645	567011.72	4217046.34	6.76E-03	7.29E-03	5.86E-03	6.46E-03	7.09E-04	1.05E-03	6.17E-04	6.44E-04
2646	567063.55	4217049.18	1.07E-02	1.16E-02	9.29E-03	1.02E-02	1.12E-03	1.66E-03	9.78E-04	1.02E-03
2647	567053.43	4217054.75	8.01E-03	8.64E-03	6.95E-03	7.65E-03	8.40E-04	1.24E-03	7.32E-04	7.63E-04
2648	567043.31	4217060.32	6.35E-03	6.86E-03	5.51E-03	6.07E-03	6.66E-04	9.83E-04	5.80E-04	6.06E-04
2649	567081.31	4217050.08	1.37E-02	1.48E-02	1.19E-02	1.31E-02	1.44E-03	2.12E-03	1.25E-03	1.31E-03
2650	567071.33	4217055.58	9.51E-03	1.03E-02	8.25E-03	9.09E-03	9.98E-04	1.47E-03	8.69E-04	9.07E-04
2651	567061.34	4217061.08	7.18E-03	7.75E-03	6.23E-03	6.86E-03	7.53E-04	1.11E-03	6.56E-04	6.84E-04
2652	567088.71	4217056.68	1.17E-02	1.27E-02	1.02E-02	1.12E-02	1.23E-03	1.82E-03	1.07E-03	1.12E-03
2653	567078.11	4217062.52	8.16E-03	8.81E-03	7.08E-03	7.79E-03	8.56E-04	1.26E-03	7.45E-04	7.78E-04
2654	567067.51	4217068.36	6.11E-03	6.60E-03	5.30E-03	5.84E-03	6.41E-04	9.46E-04	5.58E-04	5.83E-04
2655	567046.31	4217080.03	4.03E-03	4.35E-03	3.50E-03	3.85E-03	4.23E-04	6.24E-04	3.69E-04	3.85E-04
2656	567030.97	4217079.36	3.89E-03	4.20E-03	3.37E-03	3.71E-03	4.08E-04	6.02E-04	3.55E-04	3.71E-04
2657	567019.15	4217076.74	3.94E-03	4.26E-03	3.42E-03	3.77E-03	4.14E-04	6.10E-04	3.60E-04	3.76E-04
2658	566995.52	4217071.51	3.98E-03	4.30E-03	3.45E-03	3.80E-03	4.18E-04	6.16E-04	3.64E-04	3.79E-04
2659	567096.37	4217063.15	1.00E-02	1.08E-02	8.68E-03	9.56E-03	1.05E-03	1.55E-03	9.14E-04	9.54E-04
2660	567085.94	4217068.89	7.16E-03	7.73E-03	6.21E-03	6.84E-03	7.51E-04	1.11E-03	6.54E-04	6.83E-04
2661	567054.64	4217086.13	3.61E-03	3.90E-03	3.13E-03	3.45E-03	3.79E-04	5.59E-04	3.30E-04	3.44E-04
2662	567040.33	4217091.02	3.13E-03	3.38E-03	2.72E-03	2.99E-03	3.29E-04	4.85E-04	2.86E-04	2.99E-04
2663	567028.7	4217088.44	3.22E-03	3.48E-03	2.79E-03	3.08E-03	3.38E-04	4.99E-04	2.94E-04	3.07E-04
2664	567017.07	4217085.86	3.30E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.11E-04	3.02E-04	3.15E-04
2665	567104.02	4217069.62	8.46E-03	9.14E-03	7.34E-03	8.08E-03	8.88E-04	1.31E-03	7.73E-04	8.07E-04
2666	567093.72	4217075.29	6.23E-03	6.73E-03	5.41E-03	5.95E-03	6.54E-04	9.65E-04	5.69E-04	5.94E-04
2667	567073.11	4217086.64	3.85E-03	4.15E-03	3.34E-03	3.67E-03	4.03E-04	5.95E-04	3.51E-04	3.67E-04
2668	567062.8	4217092.32	3.22E-03	3.47E-03	2.79E-03	3.07E-03	3.37E-04	4.98E-04	2.94E-04	3.07E-04
2669	567052.49	4217097.99	2.78E-03	3.00E-03	2.41E-03	2.65E-03	2.91E-04	4.30E-04	2.54E-04	2.65E-04
2670	567041.8	4217100.93	2.58E-03	2.78E-03	2.24E-03	2.46E-03	2.71E-04	3.99E-04	2.36E-04	2.46E-04
2671	567030.31	4217098.38	2.67E-03	2.89E-03	2.32E-03	2.55E-03	2.81E-04	4.14E-04	2.44E-04	2.55E-04
2672	567018.82	4217095.84	2.77E-03	2.99E-03	2.40E-03	2.64E-03	2.90E-04	4.28E-04	2.53E-04	2.64E-04
2673	567007.34	4217093.29	2.85E-03	3.08E-03	2.47E-03	2.72E-03	2.99E-04	4.41E-04	2.60E-04	2.72E-04
2674	566984.37	4217088.2	2.96E-03	3.20E-03	2.57E-03	2.83E-03	3.11E-04	4.59E-04	2.71E-04	2.82E-04
2675	567070.85	4217098.56	2.87E-03	3.10E-03	2.49E-03	2.74E-03	3.01E-04	4.44E-04	2.62E-04	2.73E-04
2676	567060.65	4217104.18	2.48E-03	2.68E-03	2.15E-03	2.37E-03	2.60E-04	3.84E-04	2.27E-04	2.36E-04
2677	567050.45	4217109.8	2.20E-03	2.37E-03	1.91E-03	2.10E-03	2.30E-04	3.40E-04	2.01E-04	2.09E-04
2678	567039.46	4217109.99	2.18E-03	2.35E-03	1.89E-03	2.08E-03	2.28E-04	3.37E-04	1.99E-04	2.07E-04
2679	567028.09	4217107.47	2.27E-03	2.45E-03	1.97E-03	2.17E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
2680	567016.72	4217104.95	2.36E-03	2.54E-03	2.05E-03	2.25E-03	2.47E-04	3.65E-04	2.15E-04	2.25E-04
2681	567005.35	4217102.43	2.44E-03	2.64E-03	2.12E-03	2.33E-03	2.56E-04	3.78E-04	2.23E-04	2.33E-04
2682	567119.13	4217082.66	6.21E-03	6.71E-03	5.39E-03	5.93E-03	6.52E-04	9.62E-04	5.68E-04	5.92E-04
2683	567097.93	4217094.33	3.67E-03	3.97E-03	3.19E-03	3.51E-03	3.85E-04	5.69E-04	3.36E-04	3.50E-04
2684	567055.53	4217117.68	1.91E-03	2.06E-03	1.66E-03	1.83E-03	2.00E-04	2.96E-04	1.75E-04	1.82E-04
2685	567044.53	4217120.7	1.81E-03	1.95E-03	1.57E-03	1.73E-03	1.90E-04	2.80E-04	1.65E-04	1.72E-04
2686	567032.71	4217118.08	1.89E-03	2.04E-03	1.64E-03	1.81E-03	1.98E-04	2.93E-04	1.73E-04	1.80E-04
2687	567020.9	4217115.46	1.98E-03	2.14E-03	1.72E-03	1.89E-03	2.08E-04	3.06E-04	1.81E-04	1.89E-04
2688	567009.09	4217112.84	2.07E-03	2.23E-03	1.79E-03	1.97E-03	2.17E-04	3.20E-04	1.89E-04	1.97E-04
2689	566997.27	4217110.23	2.15E-03	2.32E-03	1.86E-03	2.05E-03	2.25E-04	3.32E-04	1.96E-04	2.05E-04
2690	566973.64	4217104.99	2.27E-03	2.46E-03	1.97E-03	2.17E-03	2.39E-04	3.52E-04	2.08E-04	2.17E-04
2691	567095.32	4217106.45	2.69E-03	2.91E-03	2.34E-03	2.57E-03	2.83E-04	4.17E-04	2.46E-04	2.57E-04
2692	567084.84	4217112.23	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.06E-04	2.15E-04
2693	567042.1	4217129.74	1.56E-03	1.69E-03	1.36E-03	1.49E-03	1.64E-04	2.42E-04	1.43E-04	1.49E-04
2694	567030.41	4217127.15	1.64E-03	1.77E-03	1.42E-03	1.56E-03	1.72E-04	2.53E-04	1.49E-04	1.56E-04
2695	567018.73	4217124.56	1.71E-03	1.85E-03	1.49E-03	1.64E-03	1.80E-04	2.65E-04	1.57E-04	1.63E-04
2696	567007.04	4217121.97	1.79E-03	1.94E-03	1.56E-03	1.71E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04

2697	566995.36	4217119.38	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
2698	566983.67	4217116.8	1.94E-03	2.09E-03	1.68E-03	1.85E-03	2.03E-04	3.00E-04	1.77E-04	1.85E-04
2699	567117.1	4217105.14	3.29E-03	3.56E-03	2.86E-03	3.15E-03	3.46E-04	5.10E-04	3.01E-04	3.14E-04
2700	567096.32	4217116.58	2.19E-03	2.36E-03	1.90E-03	2.09E-03	2.30E-04	3.39E-04	2.00E-04	2.09E-04
2701	567085.94	4217122.3	1.87E-03	2.02E-03	1.62E-03	1.79E-03	1.96E-04	2.89E-04	1.71E-04	1.78E-04
2702	567075.55	4217128.02	1.64E-03	1.77E-03	1.42E-03	1.57E-03	1.72E-04	2.54E-04	1.50E-04	1.56E-04
2703	567065.16	4217133.74	1.47E-03	1.59E-03	1.28E-03	1.41E-03	1.54E-04	2.28E-04	1.35E-04	1.40E-04
2704	567043.59	4217139.66	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2705	567032.01	4217137.09	1.41E-03	1.52E-03	1.22E-03	1.34E-03	1.48E-04	2.18E-04	1.28E-04	1.34E-04
2706	567020.44	4217134.53	1.47E-03	1.59E-03	1.28E-03	1.41E-03	1.55E-04	2.28E-04	1.35E-04	1.41E-04
2707	567008.86	4217131.96	1.55E-03	1.67E-03	1.34E-03	1.48E-03	1.62E-04	2.39E-04	1.41E-04	1.47E-04
2708	566997.28	4217129.39	1.62E-03	1.74E-03	1.40E-03	1.54E-03	1.69E-04	2.50E-04	1.48E-04	1.54E-04
2709	566985.7	4217126.83	1.68E-03	1.81E-03	1.46E-03	1.60E-03	1.76E-04	2.60E-04	1.53E-04	1.60E-04
2710	566962.55	4217121.7	1.79E-03	1.93E-03	1.55E-03	1.71E-03	1.88E-04	2.77E-04	1.64E-04	1.71E-04
2711	567124.87	4217111.54	3.06E-03	3.30E-03	2.65E-03	2.92E-03	3.21E-04	4.73E-04	2.79E-04	2.91E-04
2712	567114.56	4217117.22	2.46E-03	2.65E-03	2.13E-03	2.35E-03	2.58E-04	3.81E-04	2.25E-04	2.34E-04
2713	567093.95	4217128.57	1.73E-03	1.87E-03	1.50E-03	1.65E-03	1.81E-04	2.68E-04	1.58E-04	1.65E-04
2714	567083.65	4217134.24	1.51E-03	1.63E-03	1.31E-03	1.45E-03	1.59E-04	2.34E-04	1.38E-04	1.44E-04
2715	567073.34	4217139.92	1.35E-03	1.46E-03	1.18E-03	1.29E-03	1.42E-04	2.10E-04	1.24E-04	1.29E-04
2716	567063.04	4217145.59	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
2717	567037.42	4217147.87	1.20E-03	1.30E-03	1.04E-03	1.15E-03	1.26E-04	1.86E-04	1.10E-04	1.15E-04
2718	567025.93	4217145.33	1.26E-03	1.36E-03	1.09E-03	1.20E-03	1.32E-04	1.95E-04	1.15E-04	1.20E-04
2719	567014.44	4217142.78	1.32E-03	1.42E-03	1.14E-03	1.26E-03	1.38E-04	2.04E-04	1.21E-04	1.26E-04
2720	567002.96	4217140.24	1.38E-03	1.49E-03	1.20E-03	1.32E-03	1.45E-04	2.14E-04	1.26E-04	1.32E-04
2721	566991.47	4217137.69	1.44E-03	1.56E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.32E-04	1.38E-04
2722	566979.99	4217135.15	1.50E-03	1.62E-03	1.30E-03	1.43E-03	1.57E-04	2.32E-04	1.37E-04	1.43E-04
2723	566957.01	4217130.06	1.60E-03	1.73E-03	1.39E-03	1.53E-03	1.68E-04	2.48E-04	1.46E-04	1.53E-04
2724	567121.29	4217124.2	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.37E-04	3.50E-04	2.06E-04	2.15E-04
2725	567100.09	4217135.87	1.58E-03	1.70E-03	1.37E-03	1.51E-03	1.65E-04	2.44E-04	1.44E-04	1.50E-04
2726	567089.49	4217141.71	1.37E-03	1.48E-03	1.19E-03	1.31E-03	1.44E-04	2.13E-04	1.25E-04	1.31E-04
2727	567078.89	4217147.55	1.23E-03	1.32E-03	1.06E-03	1.17E-03	1.29E-04	1.90E-04	1.12E-04	1.17E-04
2728	567068.29	4217153.38	1.12E-03	1.21E-03	9.69E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
2729	567057.69	4217159.22	1.03E-03	1.11E-03	8.95E-04	9.86E-04	1.08E-04	1.60E-04	9.42E-05	9.83E-05
2730	567034.46	4217156.8	1.08E-03	1.16E-03	9.33E-04	1.03E-03	1.13E-04	1.66E-04	9.82E-05	1.02E-04
2731	567022.65	4217154.18	1.12E-03	1.21E-03	9.76E-04	1.07E-03	1.18E-04	1.74E-04	1.03E-04	1.07E-04
2732	567010.83	4217151.57	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.24E-04	1.82E-04	1.08E-04	1.12E-04
2733	566999.02	4217148.95	1.23E-03	1.33E-03	1.07E-03	1.18E-03	1.29E-04	1.91E-04	1.13E-04	1.18E-04
2734	566987.21	4217146.33	1.29E-03	1.39E-03	1.12E-03	1.23E-03	1.35E-04	2.00E-04	1.18E-04	1.23E-04
2735	566975.39	4217143.71	1.34E-03	1.45E-03	1.16E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
2736	566951.76	4217138.48	1.44E-03	1.55E-03	1.25E-03	1.38E-03	1.51E-04	2.23E-04	1.31E-04	1.37E-04
2737	567118.64	4217136.33	1.76E-03	1.90E-03	1.53E-03	1.68E-03	1.85E-04	2.73E-04	1.61E-04	1.68E-04
2738	567097.62	4217147.91	1.29E-03	1.40E-03	1.12E-03	1.24E-03	1.36E-04	2.00E-04	1.18E-04	1.23E-04
2739	567087.11	4217153.7	1.15E-03	1.24E-03	9.98E-04	1.10E-03	1.21E-04	1.78E-04	1.05E-04	1.10E-04
2740	567076.6	4217159.49	1.04E-03	1.13E-03	9.06E-04	9.97E-04	1.10E-04	1.62E-04	9.54E-05	9.95E-05
2741	567066.09	4217165.28	9.63E-04	1.04E-03	8.35E-04	9.20E-04	1.01E-04	1.49E-04	8.79E-05	9.18E-05
2742	567051.67	4217170.2	9.07E-04	9.79E-04	7.87E-04	8.66E-04	9.51E-05	1.40E-04	8.28E-05	8.65E-05
2743	567028.24	4217165.01	9.78E-04	1.06E-03	8.49E-04	9.34E-04	1.03E-04	1.51E-04	8.94E-05	9.32E-05
2744	567016.52	4217162.41	1.02E-03	1.10E-03	8.86E-04	9.76E-04	1.07E-04	1.58E-04	9.33E-05	9.73E-05
2745	567004.81	4217159.81	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
2746	566993.09	4217157.22	1.12E-03	1.20E-03	9.68E-04	1.07E-03	1.17E-04	1.73E-04	1.02E-04	1.06E-04
2747	566981.37	4217154.62	1.16E-03	1.26E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
2748	566969.66	4217152.02	1.21E-03	1.31E-03	1.05E-03	1.16E-03	1.27E-04	1.88E-04	1.11E-04	1.16E-04
2749	566946.23	4217146.83	1.30E-03	1.40E-03	1.13E-03	1.24E-03	1.37E-04	2.01E-04	1.19E-04	1.24E-04
2750	567102.21	4217156.06	1.17E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04

2751	567091.78	4217161.81	1.05E-03	1.13E-03	9.10E-04	1.00E-03	1.10E-04	1.62E-04	9.58E-05	9.99E-05
2752	567081.34	4217167.56	9.54E-04	1.03E-03	8.28E-04	9.12E-04	1.00E-04	1.48E-04	8.72E-05	9.10E-05
2753	567070.91	4217173.3	8.82E-04	9.52E-04	7.65E-04	8.42E-04	9.25E-05	1.36E-04	8.05E-05	8.40E-05
2754	567060.47	4217179.05	8.24E-04	8.89E-04	7.15E-04	7.87E-04	8.64E-05	1.27E-04	7.52E-05	7.85E-05
2755	567049.24	4217179.24	8.22E-04	8.88E-04	7.13E-04	7.85E-04	8.63E-05	1.27E-04	7.51E-05	7.84E-05
2756	567025.98	4217174.09	8.83E-04	9.54E-04	7.66E-04	8.44E-04	9.27E-05	1.37E-04	8.07E-05	8.42E-05
2757	567014.35	4217171.51	9.19E-04	9.93E-04	7.98E-04	8.78E-04	9.64E-05	1.42E-04	8.40E-05	8.76E-05
2758	567002.72	4217168.94	9.59E-04	1.03E-03	8.32E-04	9.16E-04	1.01E-04	1.48E-04	8.76E-05	9.14E-05
2759	566991.09	4217166.36	1.00E-03	1.08E-03	8.68E-04	9.55E-04	1.05E-04	1.55E-04	9.14E-05	9.53E-05
2760	566979.47	4217163.78	1.04E-03	1.13E-03	9.05E-04	9.97E-04	1.09E-04	1.62E-04	9.53E-05	9.95E-05
2761	566967.84	4217161.2	1.09E-03	1.17E-03	9.43E-04	1.04E-03	1.14E-04	1.68E-04	9.92E-05	1.04E-04
2762	566944.58	4217156.05	1.17E-03	1.26E-03	1.01E-03	1.12E-03	1.23E-04	1.81E-04	1.07E-04	1.11E-04
2763	567099.88	4217168.03	9.95E-04	1.07E-03	8.63E-04	9.51E-04	1.04E-04	1.54E-04	9.09E-05	9.49E-05
2764	567089.52	4217173.74	9.03E-04	9.75E-04	7.83E-04	8.62E-04	9.47E-05	1.40E-04	8.25E-05	8.61E-05
2765	567079.15	4217179.44	8.32E-04	8.98E-04	7.22E-04	7.95E-04	8.73E-05	1.29E-04	7.60E-05	7.93E-05
2766	567068.78	4217185.15	7.76E-04	8.37E-04	6.73E-04	7.41E-04	8.14E-05	1.20E-04	7.09E-05	7.39E-05
2767	567054.57	4217190.01	7.36E-04	7.95E-04	6.39E-04	7.03E-04	7.72E-05	1.14E-04	6.72E-05	7.02E-05
2768	567043.01	4217187.45	7.58E-04	8.18E-04	6.57E-04	7.24E-04	7.95E-05	1.17E-04	6.92E-05	7.22E-05
2769	567019.91	4217182.33	8.12E-04	8.77E-04	7.05E-04	7.76E-04	8.52E-05	1.26E-04	7.42E-05	7.74E-05
2770	567008.35	4217179.77	8.44E-04	9.11E-04	7.32E-04	8.06E-04	8.85E-05	1.31E-04	7.71E-05	8.04E-05
2771	566996.8	4217177.21	8.77E-04	9.47E-04	7.61E-04	8.38E-04	9.20E-05	1.36E-04	8.01E-05	8.36E-05
2772	566985.24	4217174.65	9.14E-04	9.87E-04	7.93E-04	8.73E-04	9.59E-05	1.42E-04	8.35E-05	8.72E-05
2773	566973.69	4217172.08	9.53E-04	1.03E-03	8.27E-04	9.10E-04	1.00E-04	1.47E-04	8.70E-05	9.08E-05
2774	566939.03	4217164.4	1.07E-03	1.15E-03	9.26E-04	1.02E-03	1.12E-04	1.65E-04	9.75E-05	1.02E-04
2775	567098.71	4217179.36	8.67E-04	9.35E-04	7.52E-04	8.28E-04	9.09E-05	1.34E-04	7.92E-05	8.26E-05
2776	567088.11	4217185.19	7.93E-04	8.56E-04	6.88E-04	7.58E-04	8.32E-05	1.23E-04	7.25E-05	7.56E-05
2777	567077.51	4217191.03	7.36E-04	7.94E-04	6.39E-04	7.03E-04	7.72E-05	1.14E-04	6.72E-05	7.02E-05
2778	567066.91	4217196.87	6.90E-04	7.45E-04	5.99E-04	6.59E-04	7.24E-05	1.07E-04	6.31E-05	6.58E-05
2779	567055.9	4217199.89	6.70E-04	7.23E-04	5.81E-04	6.40E-04	7.03E-05	1.04E-04	6.12E-05	6.39E-05
2780	567044.09	4217197.27	6.88E-04	7.43E-04	5.97E-04	6.57E-04	7.22E-05	1.07E-04	6.29E-05	6.56E-05
2781	567020.46	4217192.03	7.35E-04	7.93E-04	6.38E-04	7.02E-04	7.71E-05	1.14E-04	6.71E-05	7.01E-05
2782	567008.64	4217189.41	7.62E-04	8.23E-04	6.61E-04	7.28E-04	7.99E-05	1.18E-04	6.96E-05	7.26E-05
2783	566996.83	4217186.8	7.92E-04	8.54E-04	6.87E-04	7.56E-04	8.30E-05	1.23E-04	7.23E-05	7.55E-05
2784	566985.02	4217184.18	8.24E-04	8.90E-04	7.15E-04	7.87E-04	8.64E-05	1.28E-04	7.53E-05	7.86E-05
2785	566973.2	4217181.56	8.59E-04	9.27E-04	7.45E-04	8.20E-04	9.01E-05	1.33E-04	7.84E-05	8.18E-05
2786	566937.76	4217173.71	9.65E-04	1.04E-03	8.37E-04	9.21E-04	1.01E-04	1.49E-04	8.81E-05	9.19E-05
2787	566925.94	4217171.09	9.98E-04	1.08E-03	8.66E-04	9.53E-04	1.05E-04	1.54E-04	9.11E-05	9.51E-05
2788	567096.35	4217191.33	7.56E-04	8.16E-04	6.56E-04	7.22E-04	7.93E-05	1.17E-04	6.91E-05	7.21E-05
2789	567085.83	4217197.13	7.00E-04	7.55E-04	6.07E-04	6.69E-04	7.34E-05	1.08E-04	6.39E-05	6.67E-05
2790	567075.3	4217202.93	6.55E-04	7.07E-04	5.68E-04	6.26E-04	6.87E-05	1.01E-04	5.99E-05	6.25E-05
2791	567064.77	4217208.73	6.19E-04	6.68E-04	5.37E-04	5.91E-04	6.49E-05	9.58E-05	5.65E-05	5.90E-05
2792	567053.44	4217208.92	6.18E-04	6.67E-04	5.36E-04	5.90E-04	6.48E-05	9.56E-05	5.64E-05	5.89E-05
2793	567041.7	4217206.32	6.34E-04	6.85E-04	5.50E-04	6.06E-04	6.65E-05	9.82E-05	5.79E-05	6.04E-05
2794	567018.23	4217201.12	6.75E-04	7.28E-04	5.85E-04	6.44E-04	7.07E-05	1.04E-04	6.16E-05	6.43E-05
2795	567006.5	4217198.52	6.98E-04	7.53E-04	6.05E-04	6.66E-04	7.32E-05	1.08E-04	6.37E-05	6.65E-05
2796	566994.77	4217195.92	7.23E-04	7.80E-04	6.27E-04	6.91E-04	7.58E-05	1.12E-04	6.60E-05	6.89E-05
2797	566983.03	4217193.32	7.51E-04	8.11E-04	6.52E-04	7.18E-04	7.88E-05	1.16E-04	6.86E-05	7.16E-05
2798	566971.3	4217190.72	7.81E-04	8.44E-04	6.78E-04	7.46E-04	8.20E-05	1.21E-04	7.14E-05	7.45E-05
2799	566947.83	4217185.52	8.44E-04	9.11E-04	7.32E-04	8.06E-04	8.85E-05	1.31E-04	7.71E-05	8.04E-05
2800	566936.09	4217182.92	8.75E-04	9.45E-04	7.60E-04	8.36E-04	9.18E-05	1.36E-04	8.00E-05	8.34E-05
2801	566924.36	4217180.32	9.06E-04	9.78E-04	7.86E-04	8.65E-04	9.50E-05	1.40E-04	8.28E-05	8.64E-05
2802	567101.05	4217199.43	7.04E-04	7.60E-04	6.11E-04	6.72E-04	7.38E-05	1.09E-04	6.43E-05	6.71E-05
2803	567090.59	4217205.19	6.52E-04	7.04E-04	5.66E-04	6.23E-04	6.84E-05	1.01E-04	5.96E-05	6.22E-05
2804	567080.12	4217210.95	6.12E-04	6.60E-04	5.31E-04	5.84E-04	6.42E-05	9.47E-05	5.59E-05	5.83E-05

2805	567069.66	4217216.71	5.79E-04	6.25E-04	5.02E-04	5.53E-04	6.07E-05	8.96E-05	5.29E-05	5.52E-05
2806	567058.79	4217219.69	5.64E-04	6.08E-04	4.89E-04	5.38E-04	5.91E-05	8.72E-05	5.15E-05	5.37E-05
2807	567047.13	4217217.11	5.77E-04	6.22E-04	5.00E-04	5.51E-04	6.05E-05	8.93E-05	5.27E-05	5.50E-05
2808	567023.81	4217211.94	6.09E-04	6.57E-04	5.28E-04	5.82E-04	6.39E-05	9.43E-05	5.56E-05	5.81E-05
2809	567012.14	4217209.36	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.59E-05	9.72E-05	5.74E-05	5.99E-05
2810	567000.48	4217206.77	6.49E-04	7.00E-04	5.63E-04	6.20E-04	6.80E-05	1.00E-04	5.93E-05	6.18E-05
2811	566988.82	4217204.19	6.72E-04	7.25E-04	5.83E-04	6.41E-04	7.04E-05	1.04E-04	6.13E-05	6.40E-05
2812	566977.16	4217201.6	6.97E-04	7.52E-04	6.04E-04	6.66E-04	7.31E-05	1.08E-04	6.36E-05	6.64E-05
2813	566965.49	4217199.02	7.23E-04	7.81E-04	6.28E-04	6.91E-04	7.59E-05	1.12E-04	6.61E-05	6.89E-05
2814	566942.17	4217193.85	7.78E-04	8.40E-04	6.75E-04	7.43E-04	8.16E-05	1.20E-04	7.11E-05	7.42E-05
2815	566930.5	4217191.26	8.07E-04	8.71E-04	7.00E-04	7.70E-04	8.46E-05	1.25E-04	7.37E-05	7.69E-05
2816	566918.84	4217188.68	8.34E-04	9.01E-04	7.24E-04	7.97E-04	8.75E-05	1.29E-04	7.62E-05	7.95E-05
2817	567098.79	4217211.35	6.25E-04	6.74E-04	5.42E-04	5.97E-04	6.55E-05	9.67E-05	5.71E-05	5.96E-05
2818	567088.38	4217217.08	5.84E-04	6.31E-04	5.07E-04	5.58E-04	6.13E-05	9.05E-05	5.34E-05	5.57E-05
2819	567077.98	4217222.81	5.52E-04	5.96E-04	4.79E-04	5.27E-04	5.79E-05	8.55E-05	5.04E-05	5.26E-05
2820	567067.57	4217228.54	5.25E-04	5.67E-04	4.56E-04	5.02E-04	5.51E-05	8.13E-05	4.80E-05	5.01E-05
2821	567056.37	4217228.74	5.24E-04	5.66E-04	4.55E-04	5.01E-04	5.50E-05	8.11E-05	4.79E-05	5.00E-05
2822	567044.77	4217226.17	5.36E-04	5.78E-04	4.65E-04	5.12E-04	5.62E-05	8.29E-05	4.89E-05	5.11E-05
2823	567021.58	4217221.03	5.64E-04	6.09E-04	4.89E-04	5.39E-04	5.91E-05	8.73E-05	5.15E-05	5.37E-05
2824	567009.98	4217218.46	5.80E-04	6.27E-04	5.04E-04	5.54E-04	6.09E-05	8.98E-05	5.30E-05	5.53E-05
2825	566998.38	4217215.89	5.99E-04	6.46E-04	5.19E-04	5.72E-04	6.28E-05	9.27E-05	5.47E-05	5.71E-05
2826	566986.78	4217213.32	6.18E-04	6.68E-04	5.37E-04	5.91E-04	6.49E-05	9.57E-05	5.65E-05	5.89E-05
2827	566975.18	4217210.75	6.40E-04	6.91E-04	5.55E-04	6.12E-04	6.71E-05	9.91E-05	5.85E-05	6.10E-05
2828	566940.39	4217203.04	7.12E-04	7.68E-04	6.17E-04	6.80E-04	7.46E-05	1.10E-04	6.50E-05	6.78E-05
2829	566928.79	4217200.47	7.37E-04	7.95E-04	6.39E-04	7.04E-04	7.73E-05	1.14E-04	6.73E-05	7.02E-05
2830	566917.19	4217197.9	7.63E-04	8.23E-04	6.62E-04	7.29E-04	8.00E-05	1.18E-04	6.97E-05	7.27E-05
2831	567097.32	4217222.84	5.63E-04	6.07E-04	4.88E-04	5.37E-04	5.90E-05	8.71E-05	5.14E-05	5.36E-05
2832	567086.72	4217228.68	5.29E-04	5.71E-04	4.59E-04	5.06E-04	5.55E-05	8.19E-05	4.84E-05	5.05E-05
2833	567076.12	4217234.52	5.02E-04	5.42E-04	4.36E-04	4.80E-04	5.27E-05	7.78E-05	4.59E-05	4.79E-05
2834	567061.59	4217239.48	4.83E-04	5.21E-04	4.19E-04	4.61E-04	5.06E-05	7.47E-05	4.41E-05	4.60E-05
2835	567049.77	4217236.86	4.93E-04	5.32E-04	4.27E-04	4.71E-04	5.17E-05	7.63E-05	4.50E-05	4.70E-05
2836	567026.14	4217231.63	5.16E-04	5.57E-04	4.48E-04	4.93E-04	5.41E-05	7.99E-05	4.71E-05	4.92E-05
2837	567014.33	4217229.01	5.30E-04	5.72E-04	4.60E-04	5.06E-04	5.56E-05	8.21E-05	4.84E-05	5.05E-05
2838	567002.52	4217226.39	5.46E-04	5.89E-04	4.74E-04	5.21E-04	5.72E-05	8.45E-05	4.99E-05	5.20E-05
2839	566990.7	4217223.77	5.63E-04	6.07E-04	4.88E-04	5.37E-04	5.90E-05	8.71E-05	5.14E-05	5.36E-05
2840	566978.89	4217221.15	5.81E-04	6.27E-04	5.04E-04	5.55E-04	6.09E-05	8.99E-05	5.31E-05	5.54E-05
2841	566967.07	4217218.54	6.01E-04	6.49E-04	5.21E-04	5.74E-04	6.30E-05	9.30E-05	5.49E-05	5.73E-05
2842	566943.44	4217213.3	6.44E-04	6.95E-04	5.59E-04	6.15E-04	6.75E-05	9.97E-05	5.88E-05	6.14E-05
2843	566931.63	4217210.68	6.67E-04	7.20E-04	5.79E-04	6.37E-04	6.99E-05	1.03E-04	6.09E-05	6.36E-05
2844	566919.82	4217208.06	6.91E-04	7.46E-04	5.99E-04	6.60E-04	7.25E-05	1.07E-04	6.31E-05	6.58E-05
2845	566908	4217205.44	7.15E-04	7.72E-04	6.20E-04	6.83E-04	7.50E-05	1.11E-04	6.53E-05	6.81E-05
2846	567091.54	4217236.71	4.99E-04	5.38E-04	4.33E-04	4.76E-04	5.23E-05	7.72E-05	4.55E-05	4.75E-05
2847	567081	4217242.51	4.74E-04	5.11E-04	4.11E-04	4.52E-04	4.97E-05	7.33E-05	4.33E-05	4.51E-05
2848	567070.46	4217248.32	4.52E-04	4.88E-04	3.92E-04	4.32E-04	4.74E-05	7.00E-05	4.13E-05	4.31E-05
2849	567059.11	4217248.52	4.51E-04	4.87E-04	3.92E-04	4.31E-04	4.73E-05	6.99E-05	4.12E-05	4.30E-05
2850	567047.37	4217245.91	4.61E-04	4.97E-04	4.00E-04	4.40E-04	4.83E-05	7.13E-05	4.21E-05	4.39E-05
2851	567023.87	4217240.71	4.82E-04	5.20E-04	4.18E-04	4.60E-04	5.05E-05	7.46E-05	4.40E-05	4.59E-05
2852	567012.13	4217238.1	4.94E-04	5.34E-04	4.29E-04	4.72E-04	5.18E-05	7.65E-05	4.52E-05	4.71E-05
2853	567000.38	4217235.5	5.08E-04	5.48E-04	4.41E-04	4.85E-04	5.33E-05	7.86E-05	4.64E-05	4.84E-05
2854	566988.63	4217232.9	5.23E-04	5.64E-04	4.53E-04	4.99E-04	5.48E-05	8.09E-05	4.77E-05	4.98E-05
2855	566976.89	4217230.29	5.38E-04	5.81E-04	4.67E-04	5.14E-04	5.65E-05	8.33E-05	4.92E-05	5.13E-05
2856	566965.14	4217227.69	5.55E-04	6.00E-04	4.82E-04	5.31E-04	5.83E-05	8.60E-05	5.07E-05	5.29E-05
2857	566941.64	4217222.48	5.94E-04	6.41E-04	5.15E-04	5.67E-04	6.23E-05	9.19E-05	5.42E-05	5.66E-05
2858	566929.9	4217219.88	6.14E-04	6.63E-04	5.33E-04	5.87E-04	6.44E-05	9.51E-05	5.61E-05	5.85E-05

2859	566918.15	4217217.28	6.36E-04	6.86E-04	5.52E-04	6.07E-04	6.67E-05	9.84E-05	5.81E-05	6.06E-05
2860	566906.4	4217214.67	6.58E-04	7.10E-04	5.71E-04	6.28E-04	6.90E-05	1.02E-04	6.01E-05	6.27E-05
2861	567089.34	4217248.6	4.55E-04	4.91E-04	3.94E-04	4.34E-04	4.77E-05	7.04E-05	4.15E-05	4.33E-05
2862	567078.85	4217254.38	4.34E-04	4.68E-04	3.77E-04	4.15E-04	4.55E-05	6.72E-05	3.96E-05	4.14E-05
2863	567064.47	4217259.29	4.18E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.82E-05	3.99E-05
2864	567052.79	4217256.7	4.26E-04	4.60E-04	3.70E-04	4.07E-04	4.47E-05	6.60E-05	3.89E-05	4.06E-05
2865	567041.1	4217254.11	4.35E-04	4.70E-04	3.77E-04	4.16E-04	4.56E-05	6.73E-05	3.97E-05	4.15E-05
2866	567017.73	4217248.93	4.55E-04	4.91E-04	3.95E-04	4.35E-04	4.77E-05	7.04E-05	4.16E-05	4.34E-05
2867	567006.04	4217246.34	4.66E-04	5.03E-04	4.05E-04	4.45E-04	4.89E-05	7.22E-05	4.26E-05	4.44E-05
2868	566994.36	4217243.75	4.79E-04	5.17E-04	4.15E-04	4.57E-04	5.02E-05	7.41E-05	4.37E-05	4.56E-05
2869	566982.67	4217241.16	4.92E-04	5.31E-04	4.26E-04	4.69E-04	5.16E-05	7.61E-05	4.49E-05	4.68E-05
2870	566970.99	4217238.57	5.05E-04	5.46E-04	4.38E-04	4.83E-04	5.30E-05	7.82E-05	4.62E-05	4.82E-05
2871	566947.61	4217233.39	5.37E-04	5.80E-04	4.66E-04	5.13E-04	5.64E-05	8.32E-05	4.91E-05	5.12E-05
2872	566935.93	4217230.8	5.55E-04	5.99E-04	4.82E-04	5.30E-04	5.82E-05	8.59E-05	5.07E-05	5.29E-05
2873	566924.24	4217228.21	5.74E-04	6.20E-04	4.98E-04	5.48E-04	6.02E-05	8.88E-05	5.24E-05	5.47E-05
2874	566912.56	4217225.62	5.94E-04	6.41E-04	5.15E-04	5.67E-04	6.23E-05	9.19E-05	5.42E-05	5.66E-05
2875	566900.87	4217223.03	6.14E-04	6.62E-04	5.32E-04	5.86E-04	6.44E-05	9.50E-05	5.60E-05	5.85E-05
2876	567087.18	4217260.47	4.17E-04	4.50E-04	3.62E-04	3.98E-04	4.37E-05	6.46E-05	3.81E-05	3.98E-05
2877	567076.74	4217266.22	4.00E-04	4.31E-04	3.47E-04	3.82E-04	4.19E-05	6.19E-05	3.65E-05	3.81E-05
2878	567065.91	4217269.19	3.91E-04	4.23E-04	3.40E-04	3.74E-04	4.11E-05	6.06E-05	3.58E-05	3.73E-05
2879	567054.28	4217266.61	3.98E-04	4.30E-04	3.46E-04	3.81E-04	4.18E-05	6.17E-05	3.64E-05	3.80E-05
2880	567042.65	4217264.03	4.06E-04	4.39E-04	3.53E-04	3.88E-04	4.26E-05	6.29E-05	3.71E-05	3.87E-05
2881	567019.39	4217258.88	4.24E-04	4.58E-04	3.68E-04	4.05E-04	4.45E-05	6.56E-05	3.87E-05	4.04E-05
2882	567007.76	4217256.3	4.34E-04	4.68E-04	3.76E-04	4.14E-04	4.55E-05	6.72E-05	3.96E-05	4.14E-05
2883	566996.13	4217253.73	4.44E-04	4.80E-04	3.86E-04	4.25E-04	4.66E-05	6.88E-05	4.06E-05	4.24E-05
2884	566984.51	4217251.15	4.55E-04	4.92E-04	3.95E-04	4.35E-04	4.78E-05	7.05E-05	4.16E-05	4.34E-05
2885	566972.88	4217248.57	4.67E-04	5.04E-04	4.05E-04	4.46E-04	4.90E-05	7.23E-05	4.27E-05	4.45E-05
2886	566937.99	4217240.84	5.10E-04	5.50E-04	4.42E-04	4.87E-04	5.35E-05	7.89E-05	4.66E-05	4.86E-05
2887	566926.36	4217238.26	5.26E-04	5.68E-04	4.57E-04	5.03E-04	5.52E-05	8.15E-05	4.81E-05	5.02E-05
2888	566914.73	4217235.69	5.44E-04	5.87E-04	4.72E-04	5.19E-04	5.70E-05	8.41E-05	4.96E-05	5.18E-05
2889	566903.1	4217233.11	5.61E-04	6.06E-04	4.87E-04	5.36E-04	5.89E-05	8.69E-05	5.13E-05	5.35E-05
2890	566891.47	4217230.53	5.80E-04	6.26E-04	5.03E-04	5.54E-04	6.08E-05	8.98E-05	5.30E-05	5.53E-05
2891	567016.08	4217267.73	4.00E-04	4.32E-04	3.47E-04	3.82E-04	4.20E-05	6.19E-05	3.65E-05	3.81E-05
2892	567004.26	4217265.11	4.09E-04	4.42E-04	3.55E-04	3.91E-04	4.29E-05	6.33E-05	3.74E-05	3.90E-05
2893	566992.45	4217262.49	4.19E-04	4.52E-04	3.63E-04	4.00E-04	4.39E-05	6.48E-05	3.83E-05	3.99E-05
2894	566980.63	4217259.87	4.29E-04	4.63E-04	3.72E-04	4.09E-04	4.50E-05	6.63E-05	3.92E-05	4.09E-05
2895	566968.82	4217257.26	4.39E-04	4.74E-04	3.81E-04	4.20E-04	4.61E-05	6.80E-05	4.01E-05	4.19E-05
2896	566945.19	4217252.02	4.64E-04	5.01E-04	4.03E-04	4.43E-04	4.87E-05	7.19E-05	4.24E-05	4.42E-05
2897	566933.38	4217249.4	4.78E-04	5.16E-04	4.15E-04	4.57E-04	5.02E-05	7.40E-05	4.37E-05	4.56E-05
2898	566921.56	4217246.78	4.93E-04	5.33E-04	4.28E-04	4.71E-04	5.17E-05	7.64E-05	4.51E-05	4.70E-05
2899	566909.75	4217244.17	5.09E-04	5.50E-04	4.42E-04	4.86E-04	5.34E-05	7.88E-05	4.65E-05	4.85E-05
2900	566897.94	4217241.55	5.26E-04	5.68E-04	4.56E-04	5.02E-04	5.52E-05	8.14E-05	4.80E-05	5.01E-05
2901	566974.66	4217268.13	4.06E-04	4.38E-04	3.52E-04	3.88E-04	4.26E-05	6.28E-05	3.71E-05	3.87E-05
2902	566962.91	4217265.53	4.16E-04	4.49E-04	3.61E-04	3.97E-04	4.36E-05	6.43E-05	3.80E-05	3.96E-05
2903	566939.39	4217260.32	4.38E-04	4.73E-04	3.80E-04	4.19E-04	4.60E-05	6.78E-05	4.00E-05	4.18E-05
2904	566927.64	4217257.71	4.51E-04	4.87E-04	3.91E-04	4.31E-04	4.73E-05	6.98E-05	4.12E-05	4.30E-05
2905	566915.88	4217255.11	4.65E-04	5.01E-04	4.03E-04	4.44E-04	4.87E-05	7.19E-05	4.24E-05	4.43E-05
2906	566904.13	4217252.5	4.79E-04	5.17E-04	4.16E-04	4.58E-04	5.02E-05	7.41E-05	4.38E-05	4.57E-05
2907	566892.37	4217249.9	4.94E-04	5.33E-04	4.29E-04	4.72E-04	5.18E-05	7.65E-05	4.51E-05	4.71E-05
2908	567088.05	4217292.03	3.39E-04	3.66E-04	2.94E-04	3.24E-04	3.56E-05	5.25E-05	3.10E-05	3.23E-05
2909	567077.55	4217297.82	3.27E-04	3.53E-04	2.84E-04	3.12E-04	3.43E-05	5.06E-05	2.99E-05	3.12E-05
2910	567066.25	4217298.01	3.27E-04	3.53E-04	2.84E-04	3.12E-04	3.43E-05	5.06E-05	2.99E-05	3.12E-05
2911	567054.55	4217295.42	3.33E-04	3.59E-04	2.89E-04	3.18E-04	3.49E-05	5.15E-05	3.04E-05	3.17E-05
2912	567042.85	4217292.83	3.39E-04	3.66E-04	2.94E-04	3.24E-04	3.56E-05	5.25E-05	3.10E-05	3.23E-05

2913	566925.82	4217266.89	4.22E-04	4.56E-04	3.66E-04	4.03E-04	4.43E-05	6.53E-05	3.85E-05	4.02E-05
2914	566914.12	4217264.3	4.34E-04	4.69E-04	3.77E-04	4.15E-04	4.55E-05	6.72E-05	3.97E-05	4.14E-05
2915	566902.41	4217261.71	4.47E-04	4.83E-04	3.88E-04	4.27E-04	4.69E-05	6.92E-05	4.08E-05	4.26E-05
2916	566890.71	4217259.11	4.61E-04	4.97E-04	4.00E-04	4.40E-04	4.83E-05	7.13E-05	4.21E-05	4.39E-05
2917	567092.9	4217300.05	3.23E-04	3.49E-04	2.81E-04	3.09E-04	3.39E-05	5.00E-05	2.95E-05	3.08E-05
2918	567082.44	4217305.8	3.12E-04	3.37E-04	2.71E-04	2.98E-04	3.27E-05	4.83E-05	2.85E-05	2.98E-05
2919	567071.59	4217308.78	3.07E-04	3.31E-04	2.66E-04	2.93E-04	3.22E-05	4.75E-05	2.81E-05	2.93E-05
2920	567059.94	4217306.2	3.12E-04	3.37E-04	2.71E-04	2.98E-04	3.28E-05	4.83E-05	2.85E-05	2.98E-05
2921	567048.28	4217303.62	3.18E-04	3.43E-04	2.76E-04	3.04E-04	3.33E-05	4.92E-05	2.90E-05	3.03E-05
2922	567024.98	4217298.45	3.30E-04	3.56E-04	2.86E-04	3.15E-04	3.46E-05	5.11E-05	3.01E-05	3.15E-05
2923	567013.32	4217295.87	3.36E-04	3.63E-04	2.92E-04	3.21E-04	3.52E-05	5.20E-05	3.07E-05	3.20E-05
2924	567001.67	4217293.29	3.42E-04	3.69E-04	2.97E-04	3.27E-04	3.59E-05	5.30E-05	3.13E-05	3.26E-05
2925	566896.79	4217270.05	4.22E-04	4.56E-04	3.66E-04	4.03E-04	4.43E-05	6.53E-05	3.86E-05	4.02E-05
2926	566873.49	4217264.88	4.48E-04	4.83E-04	3.89E-04	4.28E-04	4.70E-05	6.93E-05	4.09E-05	4.27E-05
2927	566984.36	4217075.23	3.61E-03	3.90E-03	3.13E-03	3.45E-03	3.79E-04	5.59E-04	3.30E-04	3.44E-04
2928	566921.49	4217140.18	1.40E-03	1.51E-03	1.21E-03	1.34E-03	1.47E-04	2.16E-04	1.28E-04	1.33E-04
2929	566915.24	4217147.99	1.28E-03	1.38E-03	1.11E-03	1.22E-03	1.34E-04	1.98E-04	1.17E-04	1.22E-04
2930	566908.99	4217155.79	1.18E-03	1.27E-03	1.02E-03	1.12E-03	1.23E-04	1.82E-04	1.07E-04	1.12E-04
2931	566871.81	4217215.7	6.69E-04	7.22E-04	5.80E-04	6.39E-04	7.01E-05	1.04E-04	6.11E-05	6.37E-05
2932	566865.55	4217223.5	6.28E-04	6.78E-04	5.45E-04	6.00E-04	6.58E-05	9.72E-05	5.73E-05	5.98E-05
2933	566941.1	4216986.91	7.15E-03	7.72E-03	6.20E-03	6.83E-03	7.50E-04	1.11E-03	6.53E-04	6.81E-04
2934	567105.11	4217057.3	1.44E-02	1.55E-02	1.25E-02	1.38E-02	1.51E-03	2.23E-03	1.32E-03	1.37E-03
2935	567123.77	4217062.54	1.38E-02	1.49E-02	1.19E-02	1.32E-02	1.44E-03	2.13E-03	1.26E-03	1.31E-03
2936	567133.1	4217065.16	1.33E-02	1.44E-02	1.15E-02	1.27E-02	1.40E-03	2.06E-03	1.21E-03	1.27E-03
2937	567121.07	4217072.17	9.06E-03	9.78E-03	7.86E-03	8.66E-03	9.50E-04	1.40E-03	8.28E-04	8.64E-04
2938	567130.4	4217074.79	8.99E-03	9.70E-03	7.80E-03	8.59E-03	9.43E-04	1.39E-03	8.21E-04	8.57E-04
2939	566971.93	4217095.26	2.60E-03	2.81E-03	2.26E-03	2.49E-03	2.73E-04	4.03E-04	2.38E-04	2.48E-04
2940	566934.25	4217088.37	2.60E-03	2.80E-03	2.25E-03	2.48E-03	2.72E-04	4.02E-04	2.37E-04	2.47E-04
2941	566937.86	4217114.93	1.90E-03	2.05E-03	1.65E-03	1.81E-03	1.99E-04	2.94E-04	1.74E-04	1.81E-04
2942	566923.51	4217103.3	2.12E-03	2.29E-03	1.84E-03	2.03E-03	2.23E-04	3.28E-04	1.94E-04	2.02E-04
2943	566892.71	4216996.09	4.34E-03	4.68E-03	3.76E-03	4.14E-03	4.55E-04	6.72E-04	3.96E-04	4.14E-04
2944	566874.6	4217000.12	3.72E-03	4.01E-03	3.22E-03	3.55E-03	3.90E-04	5.75E-04	3.39E-04	3.54E-04
2945	566828.79	4217003.34	2.70E-03	2.91E-03	2.34E-03	2.58E-03	2.83E-04	4.18E-04	2.47E-04	2.57E-04
2946	566887.02	4217191.93	8.22E-04	8.87E-04	7.13E-04	7.85E-04	8.62E-05	1.27E-04	7.51E-05	7.83E-05
2947	566872.25	4217179.96	9.21E-04	9.94E-04	7.99E-04	8.80E-04	9.66E-05	1.43E-04	8.41E-05	8.78E-05
2948	566801.76	4217011.12	2.26E-03	2.44E-03	1.96E-03	2.16E-03	2.38E-04	3.51E-04	2.07E-04	2.16E-04
2949	567053.43	4217312.85	3.01E-04	3.25E-04	2.61E-04	2.88E-04	3.16E-05	4.66E-05	2.75E-05	2.87E-05
2950	567062.76	4217315.47	2.96E-04	3.20E-04	2.57E-04	2.83E-04	3.11E-05	4.58E-05	2.71E-05	2.82E-05
2951	567072.09	4217318.09	2.91E-04	3.15E-04	2.53E-04	2.78E-04	3.06E-05	4.51E-05	2.66E-05	2.78E-05
2952	566852.55	4217211.27	7.01E-04	7.57E-04	6.08E-04	6.70E-04	7.35E-05	1.09E-04	6.40E-05	6.68E-05
2953	566966.74	4217298.87	3.35E-04	3.61E-04	2.90E-04	3.20E-04	3.51E-05	5.18E-05	3.06E-05	3.19E-05
2954	566976.07	4217301.49	3.29E-04	3.55E-04	2.85E-04	3.14E-04	3.45E-05	5.09E-05	3.00E-05	3.13E-05
2955	566985.4	4217304.12	3.23E-04	3.48E-04	2.80E-04	3.08E-04	3.38E-05	4.99E-05	2.95E-05	3.08E-05
2956	566994.73	4217306.74	3.17E-04	3.42E-04	2.75E-04	3.03E-04	3.33E-05	4.91E-05	2.90E-05	3.02E-05
2957	567004.06	4217309.36	3.12E-04	3.36E-04	2.70E-04	2.98E-04	3.27E-05	4.82E-05	2.85E-05	2.97E-05
2958	567013.4	4217311.98	3.06E-04	3.31E-04	2.66E-04	2.93E-04	3.21E-05	4.74E-05	2.80E-05	2.92E-05
2959	567022.73	4217314.61	3.01E-04	3.25E-04	2.61E-04	2.88E-04	3.16E-05	4.66E-05	2.75E-05	2.87E-05
2960	567041.39	4217319.85	2.91E-04	3.14E-04	2.52E-04	2.78E-04	3.05E-05	4.50E-05	2.66E-05	2.77E-05
2961	567050.72	4217322.47	2.86E-04	3.09E-04	2.48E-04	2.73E-04	3.00E-05	4.43E-05	2.61E-05	2.72E-05
2962	567060.05	4217325.1	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
2963	567069.39	4217327.72	2.77E-04	2.99E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.53E-05	2.64E-05
2964	566947.27	4217299.85	3.35E-04	3.62E-04	2.91E-04	3.20E-04	3.51E-05	5.19E-05	3.06E-05	3.19E-05
2965	566939.83	4217293.83	3.49E-04	3.77E-04	3.03E-04	3.33E-04	3.66E-05	5.40E-05	3.19E-05	3.33E-05
2966	566765.45	4217018.17	1.85E-03	1.99E-03	1.60E-03	1.76E-03	1.94E-04	2.86E-04	1.69E-04	1.76E-04

2967	566964.03	4217308.5	3.17E-04	3.42E-04	2.75E-04	3.03E-04	3.32E-05	4.90E-05	2.89E-05	3.02E-05
2968	566973.36	4217311.12	3.11E-04	3.36E-04	2.70E-04	2.97E-04	3.26E-05	4.82E-05	2.84E-05	2.97E-05
2969	566982.7	4217313.74	3.06E-04	3.30E-04	2.65E-04	2.92E-04	3.21E-05	4.74E-05	2.79E-05	2.92E-05
2970	566992.03	4217316.36	3.01E-04	3.25E-04	2.61E-04	2.87E-04	3.15E-05	4.66E-05	2.75E-05	2.87E-05
2971	567001.36	4217318.99	2.96E-04	3.19E-04	2.57E-04	2.83E-04	3.10E-05	4.58E-05	2.70E-05	2.82E-05
2972	567010.69	4217321.61	2.91E-04	3.14E-04	2.52E-04	2.78E-04	3.05E-05	4.50E-05	2.66E-05	2.77E-05
2973	567020.02	4217324.23	2.86E-04	3.09E-04	2.48E-04	2.73E-04	3.00E-05	4.43E-05	2.61E-05	2.73E-05
2974	567038.69	4217329.48	2.77E-04	2.99E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.53E-05	2.64E-05
2975	567048.02	4217332.1	2.72E-04	2.94E-04	2.36E-04	2.60E-04	2.85E-05	4.21E-05	2.48E-05	2.59E-05
2976	567057.35	4217334.72	2.68E-04	2.89E-04	2.32E-04	2.56E-04	2.81E-05	4.14E-05	2.44E-05	2.55E-05
2977	567066.68	4217337.34	2.63E-04	2.84E-04	2.29E-04	2.52E-04	2.76E-05	4.08E-05	2.41E-05	2.51E-05
2978	566944.61	4217309.52	3.17E-04	3.42E-04	2.75E-04	3.02E-04	3.32E-05	4.90E-05	2.89E-05	3.02E-05
2979	566937.23	4217303.54	3.29E-04	3.55E-04	2.85E-04	3.14E-04	3.45E-05	5.09E-05	3.00E-05	3.14E-05
2980	566929.85	4217297.55	3.42E-04	3.70E-04	2.97E-04	3.27E-04	3.59E-05	5.30E-05	3.13E-05	3.26E-05
2981	566870.79	4217249.69	5.05E-04	5.45E-04	4.38E-04	4.82E-04	5.29E-05	7.81E-05	4.61E-05	4.81E-05
2982	566970.66	4217320.75	2.95E-04	3.19E-04	2.56E-04	2.82E-04	3.10E-05	4.57E-05	2.70E-05	2.81E-05
2983	566979.99	4217323.37	2.91E-04	3.14E-04	2.52E-04	2.78E-04	3.05E-05	4.50E-05	2.65E-05	2.77E-05
2984	566989.32	4217325.99	2.86E-04	3.09E-04	2.48E-04	2.73E-04	3.00E-05	4.43E-05	2.61E-05	2.72E-05
2985	566998.65	4217328.61	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
2986	567007.98	4217331.24	2.77E-04	2.99E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.53E-05	2.64E-05
2987	567017.32	4217333.86	2.72E-04	2.94E-04	2.36E-04	2.60E-04	2.86E-05	4.22E-05	2.49E-05	2.60E-05
2988	567026.65	4217336.48	2.68E-04	2.89E-04	2.32E-04	2.56E-04	2.81E-05	4.15E-05	2.45E-05	2.55E-05
2989	567045.31	4217341.73	2.59E-04	2.80E-04	2.25E-04	2.48E-04	2.72E-05	4.01E-05	2.37E-05	2.47E-05
2990	567054.64	4217344.35	2.55E-04	2.75E-04	2.21E-04	2.44E-04	2.67E-05	3.95E-05	2.33E-05	2.43E-05
2991	567063.97	4217346.97	2.51E-04	2.71E-04	2.18E-04	2.40E-04	2.63E-05	3.89E-05	2.29E-05	2.39E-05
2992	566941.95	4217319.18	3.00E-04	3.23E-04	2.60E-04	2.86E-04	3.14E-05	4.64E-05	2.74E-05	2.86E-05
2993	566934.62	4217313.24	3.11E-04	3.35E-04	2.70E-04	2.97E-04	3.26E-05	4.81E-05	2.84E-05	2.96E-05
2994	566927.28	4217307.29	3.23E-04	3.48E-04	2.80E-04	3.08E-04	3.38E-05	4.99E-05	2.95E-05	3.08E-05
2995	566919.95	4217301.35	3.36E-04	3.62E-04	2.91E-04	3.21E-04	3.52E-05	5.20E-05	3.07E-05	3.20E-05
2996	566912.61	4217295.41	3.50E-04	3.78E-04	3.04E-04	3.34E-04	3.67E-05	5.42E-05	3.20E-05	3.33E-05
2997	566773.24	4217182.46	8.49E-04	9.16E-04	7.36E-04	8.11E-04	8.90E-05	1.31E-04	7.75E-05	8.09E-05
2998	566765.91	4217176.51	8.75E-04	9.45E-04	7.59E-04	8.36E-04	9.18E-05	1.35E-04	8.00E-05	8.34E-05
2999	566757.86	4217161.15	9.52E-04	1.03E-03	8.26E-04	9.09E-04	9.99E-05	1.47E-04	8.70E-05	9.07E-05
3000	566949.29	4217325.13	2.90E-04	3.13E-04	2.51E-04	2.77E-04	3.04E-05	4.48E-05	2.64E-05	2.76E-05
3001	566967.95	4217330.37	2.81E-04	3.03E-04	2.44E-04	2.68E-04	2.94E-05	4.34E-05	2.56E-05	2.68E-05
3002	566977.28	4217333	2.76E-04	2.98E-04	2.40E-04	2.64E-04	2.90E-05	4.28E-05	2.52E-05	2.63E-05
3003	566986.62	4217335.62	2.72E-04	2.94E-04	2.36E-04	2.60E-04	2.85E-05	4.21E-05	2.49E-05	2.59E-05
3004	566995.95	4217338.24	2.68E-04	2.89E-04	2.33E-04	2.56E-04	2.81E-05	4.15E-05	2.45E-05	2.55E-05
3005	567005.28	4217340.86	2.64E-04	2.85E-04	2.29E-04	2.52E-04	2.77E-05	4.08E-05	2.41E-05	2.51E-05
3006	567014.61	4217343.49	2.60E-04	2.80E-04	2.25E-04	2.48E-04	2.72E-05	4.02E-05	2.37E-05	2.48E-05
3007	567023.94	4217346.11	2.56E-04	2.76E-04	2.22E-04	2.44E-04	2.68E-05	3.96E-05	2.33E-05	2.44E-05
3008	567042.61	4217351.35	2.47E-04	2.67E-04	2.15E-04	2.36E-04	2.60E-05	3.83E-05	2.26E-05	2.36E-05
3009	567051.94	4217353.98	2.43E-04	2.63E-04	2.11E-04	2.33E-04	2.55E-05	3.77E-05	2.22E-05	2.32E-05
3010	567061.27	4217356.6	2.40E-04	2.59E-04	2.08E-04	2.29E-04	2.51E-05	3.71E-05	2.19E-05	2.29E-05
3011	567279.1	4217261.6	8.80E-04	9.49E-04	7.63E-04	8.40E-04	9.23E-05	1.36E-04	8.03E-05	8.38E-05
3012	567122.82	4217293.39	3.43E-04	3.71E-04	2.98E-04	3.28E-04	3.60E-05	5.32E-05	3.14E-05	3.27E-05
3013	567289.51	4217263.28	9.04E-04	9.76E-04	7.85E-04	8.64E-04	9.48E-05	1.40E-04	8.26E-05	8.62E-05
3014	567218.76	4217291.17	4.75E-04	5.13E-04	4.12E-04	4.54E-04	4.99E-05	7.36E-05	4.34E-05	4.53E-05
3015	567209.76	4217292.25	4.50E-04	4.86E-04	3.91E-04	4.30E-04	4.72E-05	6.97E-05	4.11E-05	4.29E-05
3016	567200.77	4217293.34	4.28E-04	4.61E-04	3.71E-04	4.08E-04	4.48E-05	6.62E-05	3.90E-05	4.07E-05
3017	567191.77	4217294.42	4.07E-04	4.40E-04	3.53E-04	3.89E-04	4.27E-05	6.31E-05	3.72E-05	3.88E-05
3018	567173.77	4217296.58	3.74E-04	4.04E-04	3.25E-04	3.58E-04	3.93E-05	5.80E-05	3.42E-05	3.57E-05
3019	567164.77	4217297.66	3.61E-04	3.90E-04	3.14E-04	3.45E-04	3.79E-05	5.59E-05	3.30E-05	3.45E-05
3020	567155.78	4217298.74	3.50E-04	3.78E-04	3.04E-04	3.35E-04	3.67E-05	5.42E-05	3.20E-05	3.34E-05

3021	567146.78	4217299.82	3.41E-04	3.68E-04	2.96E-04	3.26E-04	3.58E-05	5.28E-05	3.12E-05	3.25E-05
3022	567137.78	4217300.9	3.33E-04	3.60E-04	2.89E-04	3.18E-04	3.50E-05	5.16E-05	3.05E-05	3.18E-05
3023	567119.79	4217303.06	3.22E-04	3.48E-04	2.79E-04	3.08E-04	3.38E-05	4.98E-05	2.94E-05	3.07E-05
3024	567305.4	4217257.97	1.01E-03	1.09E-03	8.80E-04	9.69E-04	1.06E-04	1.57E-04	9.26E-05	9.67E-05
3025	567268.72	4217294.48	5.97E-04	6.45E-04	5.18E-04	5.71E-04	6.27E-05	9.25E-05	5.46E-05	5.69E-05
3026	567250.84	4217296.62	5.34E-04	5.76E-04	4.63E-04	5.10E-04	5.60E-05	8.26E-05	4.87E-05	5.09E-05
3027	567232.97	4217298.77	4.76E-04	5.14E-04	4.13E-04	4.55E-04	5.00E-05	7.37E-05	4.35E-05	4.54E-05
3028	567215.09	4217300.92	4.28E-04	4.62E-04	3.71E-04	4.08E-04	4.48E-05	6.62E-05	3.91E-05	4.08E-05
3029	567197.22	4217303.06	3.88E-04	4.19E-04	3.37E-04	3.71E-04	4.07E-05	6.00E-05	3.54E-05	3.70E-05
3030	567179.34	4217305.21	3.57E-04	3.85E-04	3.10E-04	3.41E-04	3.75E-05	5.53E-05	3.26E-05	3.40E-05
3031	567170.4	4217306.28	3.45E-04	3.72E-04	2.99E-04	3.29E-04	3.62E-05	5.34E-05	3.15E-05	3.29E-05
3032	567152.53	4217308.43	3.25E-04	3.51E-04	2.82E-04	3.11E-04	3.41E-05	5.04E-05	2.97E-05	3.10E-05
3033	567134.65	4217310.58	3.12E-04	3.37E-04	2.71E-04	2.98E-04	3.27E-05	4.83E-05	2.85E-05	2.97E-05
3034	567116.78	4217312.72	3.03E-04	3.27E-04	2.63E-04	2.89E-04	3.18E-05	4.69E-05	2.77E-05	2.89E-05
3035	567089.97	4217315.94	2.95E-04	3.18E-04	2.56E-04	2.82E-04	3.09E-05	4.56E-05	2.69E-05	2.81E-05
3036	567317.1	4217258.02	1.05E-03	1.14E-03	9.13E-04	1.01E-03	1.10E-04	1.63E-04	9.61E-05	1.00E-04
3037	567311.34	4217265.37	9.62E-04	1.04E-03	8.34E-04	9.19E-04	1.01E-04	1.49E-04	8.78E-05	9.17E-05
3038	567288.32	4217294.77	6.55E-04	7.07E-04	5.69E-04	6.26E-04	6.87E-05	1.01E-04	5.99E-05	6.25E-05
3039	567273.3	4217303.23	5.62E-04	6.06E-04	4.87E-04	5.37E-04	5.89E-05	8.70E-05	5.13E-05	5.35E-05
3040	567254.76	4217305.46	5.01E-04	5.41E-04	4.34E-04	4.78E-04	5.25E-05	7.75E-05	4.57E-05	4.77E-05
3041	567245.49	4217306.57	4.73E-04	5.10E-04	4.10E-04	4.51E-04	4.96E-05	7.32E-05	4.32E-05	4.51E-05
3042	567236.22	4217307.68	4.46E-04	4.82E-04	3.87E-04	4.26E-04	4.68E-05	6.91E-05	4.08E-05	4.26E-05
3043	567226.95	4217308.79	4.22E-04	4.56E-04	3.66E-04	4.03E-04	4.43E-05	6.54E-05	3.86E-05	4.03E-05
3044	567217.68	4217309.91	4.01E-04	4.32E-04	3.47E-04	3.83E-04	4.20E-05	6.20E-05	3.66E-05	3.82E-05
3045	567208.42	4217311.02	3.81E-04	4.11E-04	3.31E-04	3.64E-04	4.00E-05	5.90E-05	3.48E-05	3.63E-05
3046	567199.15	4217312.13	3.64E-04	3.92E-04	3.15E-04	3.47E-04	3.81E-05	5.63E-05	3.32E-05	3.47E-05
3047	567171.34	4217315.47	3.24E-04	3.50E-04	2.81E-04	3.09E-04	3.40E-05	5.01E-05	2.96E-05	3.09E-05
3048	567162.07	4217316.59	3.14E-04	3.39E-04	2.73E-04	3.00E-04	3.30E-05	4.87E-05	2.87E-05	3.00E-05
3049	567152.8	4217317.7	3.06E-04	3.31E-04	2.66E-04	2.93E-04	3.21E-05	4.74E-05	2.80E-05	2.92E-05
3050	567143.53	4217318.81	3.00E-04	3.23E-04	2.60E-04	2.86E-04	3.14E-05	4.64E-05	2.74E-05	2.86E-05
3051	567134.27	4217319.93	2.94E-04	3.18E-04	2.55E-04	2.81E-04	3.09E-05	4.55E-05	2.69E-05	2.80E-05
3052	567125	4217321.04	2.90E-04	3.13E-04	2.51E-04	2.77E-04	3.04E-05	4.49E-05	2.65E-05	2.76E-05
3053	567115.73	4217322.15	2.86E-04	3.09E-04	2.48E-04	2.74E-04	3.00E-05	4.43E-05	2.62E-05	2.73E-05
3054	567097.19	4217324.38	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
3055	567087.92	4217325.49	2.80E-04	3.02E-04	2.43E-04	2.67E-04	2.93E-05	4.33E-05	2.55E-05	2.67E-05
3056	567078.65	4217326.6	2.78E-04	3.00E-04	2.41E-04	2.66E-04	2.92E-05	4.30E-05	2.54E-05	2.65E-05
3057	567401.72	4217164.92	2.05E-03	2.21E-03	1.78E-03	1.96E-03	2.15E-04	3.17E-04	1.87E-04	1.95E-04
3058	567384.58	4217186.81	1.92E-03	2.07E-03	1.66E-03	1.83E-03	2.01E-04	2.96E-04	1.75E-04	1.83E-04
3059	567378.87	4217194.1	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.87E-04	1.69E-04	1.77E-04
3060	567373.16	4217201.4	1.78E-03	1.92E-03	1.55E-03	1.70E-03	1.87E-04	2.76E-04	1.63E-04	1.70E-04
3061	567367.45	4217208.69	1.70E-03	1.84E-03	1.48E-03	1.63E-03	1.79E-04	2.64E-04	1.56E-04	1.62E-04
3062	567356.02	4217223.28	1.53E-03	1.65E-03	1.33E-03	1.46E-03	1.60E-04	2.37E-04	1.40E-04	1.46E-04
3063	567350.31	4217230.58	1.44E-03	1.55E-03	1.25E-03	1.37E-03	1.51E-04	2.22E-04	1.31E-04	1.37E-04
3064	567344.6	4217237.87	1.34E-03	1.45E-03	1.17E-03	1.28E-03	1.41E-04	2.08E-04	1.23E-04	1.28E-04
3065	567327.46	4217259.76	1.07E-03	1.15E-03	9.24E-04	1.02E-03	1.12E-04	1.65E-04	9.73E-05	1.02E-04
3066	567304.61	4217288.94	7.45E-04	8.04E-04	6.46E-04	7.11E-04	7.81E-05	1.15E-04	6.80E-05	7.10E-05
3067	567298.9	4217296.24	6.78E-04	7.32E-04	5.88E-04	6.47E-04	7.11E-05	1.05E-04	6.19E-05	6.46E-05
3068	567293.18	4217303.53	6.16E-04	6.65E-04	5.35E-04	5.89E-04	6.46E-05	9.54E-05	5.63E-05	5.87E-05
3069	567278.27	4217311.93	5.30E-04	5.73E-04	4.60E-04	5.07E-04	5.56E-05	8.21E-05	4.85E-05	5.06E-05
3070	567269.07	4217313.04	5.02E-04	5.42E-04	4.35E-04	4.79E-04	5.26E-05	7.77E-05	4.58E-05	4.78E-05
3071	567250.67	4217315.25	4.48E-04	4.84E-04	3.89E-04	4.28E-04	4.70E-05	6.94E-05	4.10E-05	4.27E-05
3072	567241.47	4217316.35	4.24E-04	4.58E-04	3.68E-04	4.05E-04	4.45E-05	6.57E-05	3.88E-05	4.04E-05
3073	567232.27	4217317.46	4.02E-04	4.34E-04	3.49E-04	3.84E-04	4.22E-05	6.22E-05	3.67E-05	3.83E-05
3074	567223.07	4217318.56	3.82E-04	4.12E-04	3.31E-04	3.65E-04	4.00E-05	5.91E-05	3.49E-05	3.64E-05

3075	567213.87	4217319.67	3.64E-04	3.92E-04	3.15E-04	3.47E-04	3.81E-05	5.63E-05	3.32E-05	3.47E-05
3076	567204.68	4217320.77	3.47E-04	3.75E-04	3.01E-04	3.32E-04	3.64E-05	5.38E-05	3.17E-05	3.31E-05
3077	567195.48	4217321.88	3.33E-04	3.59E-04	2.89E-04	3.18E-04	3.49E-05	5.15E-05	3.04E-05	3.17E-05
3078	567177.08	4217324.09	3.10E-04	3.35E-04	2.69E-04	2.96E-04	3.25E-05	4.80E-05	2.83E-05	2.95E-05
3079	567167.88	4217325.19	3.01E-04	3.25E-04	2.61E-04	2.87E-04	3.16E-05	4.66E-05	2.75E-05	2.87E-05
3080	567158.68	4217326.3	2.93E-04	3.16E-04	2.54E-04	2.80E-04	3.07E-05	4.54E-05	2.68E-05	2.79E-05
3081	567149.48	4217327.4	2.87E-04	3.09E-04	2.49E-04	2.74E-04	3.01E-05	4.44E-05	2.62E-05	2.73E-05
3082	567140.28	4217328.51	2.81E-04	3.04E-04	2.44E-04	2.69E-04	2.95E-05	4.35E-05	2.57E-05	2.68E-05
3083	567131.08	4217329.61	2.77E-04	2.99E-04	2.40E-04	2.65E-04	2.91E-05	4.29E-05	2.53E-05	2.64E-05
3084	567121.88	4217330.72	2.74E-04	2.95E-04	2.37E-04	2.61E-04	2.87E-05	4.24E-05	2.50E-05	2.61E-05
3085	567094.28	4217334.03	2.67E-04	2.88E-04	2.32E-04	2.55E-04	2.80E-05	4.13E-05	2.44E-05	2.55E-05
3086	567085.08	4217335.13	2.66E-04	2.87E-04	2.31E-04	2.54E-04	2.79E-05	4.11E-05	2.43E-05	2.53E-05
3087	567075.88	4217336.24	2.64E-04	2.85E-04	2.29E-04	2.53E-04	2.77E-05	4.09E-05	2.42E-05	2.52E-05
3088	567394.49	4217189.13	1.85E-03	2.00E-03	1.61E-03	1.77E-03	1.94E-04	2.86E-04	1.69E-04	1.76E-04
3089	567388.82	4217196.38	1.80E-03	1.94E-03	1.56E-03	1.71E-03	1.88E-04	2.78E-04	1.64E-04	1.71E-04
3090	567383.15	4217203.62	1.73E-03	1.87E-03	1.50E-03	1.66E-03	1.82E-04	2.68E-04	1.58E-04	1.65E-04
3091	567377.48	4217210.87	1.66E-03	1.80E-03	1.44E-03	1.59E-03	1.74E-04	2.57E-04	1.52E-04	1.59E-04
3092	567371.8	4217218.11	1.59E-03	1.71E-03	1.38E-03	1.52E-03	1.66E-04	2.46E-04	1.45E-04	1.51E-04
3093	567366.13	4217225.36	1.51E-03	1.63E-03	1.31E-03	1.44E-03	1.58E-04	2.33E-04	1.38E-04	1.44E-04
3094	567360.46	4217232.6	1.42E-03	1.53E-03	1.23E-03	1.36E-03	1.49E-04	2.20E-04	1.30E-04	1.35E-04
3095	567354.78	4217239.85	1.33E-03	1.44E-03	1.16E-03	1.27E-03	1.40E-04	2.07E-04	1.22E-04	1.27E-04
3096	567349.11	4217247.09	1.25E-03	1.35E-03	1.08E-03	1.19E-03	1.31E-04	1.93E-04	1.14E-04	1.19E-04
3097	567315.07	4217290.56	7.65E-04	8.25E-04	6.63E-04	7.30E-04	8.02E-05	1.18E-04	6.98E-05	7.29E-05
3098	567309.4	4217297.81	6.98E-04	7.54E-04	6.06E-04	6.67E-04	7.32E-05	1.08E-04	6.38E-05	6.65E-05
3099	567298.05	4217312.3	5.80E-04	6.26E-04	5.03E-04	5.54E-04	6.09E-05	8.98E-05	5.30E-05	5.53E-05
3100	567283.24	4217320.64	5.02E-04	5.41E-04	4.35E-04	4.79E-04	5.26E-05	7.76E-05	4.58E-05	4.78E-05
3101	567274.11	4217321.74	4.75E-04	5.13E-04	4.12E-04	4.54E-04	4.98E-05	7.35E-05	4.34E-05	4.53E-05
3102	567246.7	4217325.03	4.04E-04	4.36E-04	3.50E-04	3.86E-04	4.24E-05	6.25E-05	3.69E-05	3.85E-05
3103	567237.56	4217326.12	3.83E-04	4.14E-04	3.32E-04	3.66E-04	4.02E-05	5.93E-05	3.50E-05	3.65E-05
3104	567228.43	4217327.22	3.64E-04	3.93E-04	3.16E-04	3.48E-04	3.82E-05	5.64E-05	3.33E-05	3.47E-05
3105	567219.29	4217328.32	3.47E-04	3.75E-04	3.01E-04	3.32E-04	3.64E-05	5.38E-05	3.17E-05	3.31E-05
3106	567210.15	4217329.42	3.32E-04	3.58E-04	2.88E-04	3.17E-04	3.48E-05	5.14E-05	3.03E-05	3.17E-05
3107	567201.02	4217330.51	3.19E-04	3.44E-04	2.76E-04	3.04E-04	3.34E-05	4.93E-05	2.91E-05	3.04E-05
3108	567191.88	4217331.61	3.07E-04	3.31E-04	2.66E-04	2.93E-04	3.22E-05	4.75E-05	2.80E-05	2.93E-05
3109	567173.61	4217333.81	2.88E-04	3.11E-04	2.50E-04	2.75E-04	3.02E-05	4.46E-05	2.63E-05	2.75E-05
3110	567164.47	4217334.9	2.81E-04	3.03E-04	2.44E-04	2.68E-04	2.94E-05	4.35E-05	2.56E-05	2.68E-05
3111	567155.34	4217336	2.75E-04	2.96E-04	2.38E-04	2.62E-04	2.88E-05	4.25E-05	2.51E-05	2.62E-05
3112	567146.2	4217337.1	2.69E-04	2.91E-04	2.34E-04	2.57E-04	2.83E-05	4.17E-05	2.46E-05	2.57E-05
3113	567137.06	4217338.19	2.65E-04	2.86E-04	2.30E-04	2.53E-04	2.78E-05	4.11E-05	2.42E-05	2.53E-05
3114	567127.93	4217339.29	2.62E-04	2.83E-04	2.27E-04	2.50E-04	2.75E-05	4.05E-05	2.39E-05	2.50E-05
3115	567118.79	4217340.39	2.59E-04	2.80E-04	2.25E-04	2.48E-04	2.72E-05	4.01E-05	2.37E-05	2.47E-05
3116	567100.52	4217342.58	2.55E-04	2.76E-04	2.22E-04	2.44E-04	2.68E-05	3.95E-05	2.33E-05	2.43E-05
3117	567091.38	4217343.68	2.54E-04	2.74E-04	2.20E-04	2.43E-04	2.66E-05	3.93E-05	2.32E-05	2.42E-05
3118	567082.25	4217344.78	2.53E-04	2.73E-04	2.19E-04	2.42E-04	2.65E-05	3.92E-05	2.31E-05	2.41E-05
3119	567073.11	4217345.87	2.52E-04	2.72E-04	2.19E-04	2.41E-04	2.64E-05	3.90E-05	2.30E-05	2.40E-05
3120	567398.75	4217198.68	1.74E-03	1.88E-03	1.51E-03	1.66E-03	1.82E-04	2.69E-04	1.59E-04	1.66E-04
3121	567393.11	4217205.88	1.68E-03	1.82E-03	1.46E-03	1.61E-03	1.77E-04	2.61E-04	1.54E-04	1.60E-04
3122	567381.84	4217220.27	1.55E-03	1.68E-03	1.35E-03	1.48E-03	1.63E-04	2.40E-04	1.42E-04	1.48E-04
3123	567370.56	4217234.67	1.40E-03	1.51E-03	1.22E-03	1.34E-03	1.47E-04	2.17E-04	1.28E-04	1.34E-04
3124	567364.93	4217241.87	1.32E-03	1.43E-03	1.15E-03	1.26E-03	1.39E-04	2.05E-04	1.21E-04	1.26E-04
3125	567353.65	4217256.27	1.16E-03	1.25E-03	1.01E-03	1.11E-03	1.22E-04	1.80E-04	1.06E-04	1.11E-04
3126	567325.47	4217292.26	7.82E-04	8.44E-04	6.78E-04	7.47E-04	8.20E-05	1.21E-04	7.14E-05	7.45E-05
3127	567319.83	4217299.46	7.16E-04	7.73E-04	6.22E-04	6.84E-04	7.51E-05	1.11E-04	6.54E-05	6.83E-05
3128	567308.56	4217313.86	5.99E-04	6.47E-04	5.20E-04	5.72E-04	6.28E-05	9.28E-05	5.47E-05	5.71E-05

3129	567288.21	4217329.34	4.75E-04	5.13E-04	4.12E-04	4.54E-04	4.98E-05	7.35E-05	4.34E-05	4.53E-05
3130	567279.13	4217330.43	4.51E-04	4.87E-04	3.91E-04	4.31E-04	4.73E-05	6.98E-05	4.12E-05	4.30E-05
3131	567270.06	4217331.52	4.27E-04	4.61E-04	3.71E-04	4.08E-04	4.48E-05	6.62E-05	3.90E-05	4.07E-05
3132	567251.9	4217333.71	3.85E-04	4.15E-04	3.34E-04	3.67E-04	4.03E-05	5.95E-05	3.51E-05	3.67E-05
3133	567242.82	4217334.8	3.66E-04	3.95E-04	3.17E-04	3.49E-04	3.83E-05	5.66E-05	3.34E-05	3.48E-05
3134	567233.74	4217335.89	3.48E-04	3.76E-04	3.02E-04	3.32E-04	3.65E-05	5.39E-05	3.18E-05	3.32E-05
3135	567224.67	4217336.98	3.32E-04	3.58E-04	2.88E-04	3.17E-04	3.48E-05	5.14E-05	3.03E-05	3.16E-05
3136	567215.59	4217338.07	3.18E-04	3.43E-04	2.76E-04	3.04E-04	3.33E-05	4.92E-05	2.90E-05	3.03E-05
3137	567206.51	4217339.16	3.05E-04	3.29E-04	2.65E-04	2.91E-04	3.20E-05	4.72E-05	2.79E-05	2.91E-05
3138	567197.43	4217340.25	2.94E-04	3.17E-04	2.55E-04	2.81E-04	3.08E-05	4.55E-05	2.69E-05	2.80E-05
3139	567179.28	4217342.43	2.76E-04	2.98E-04	2.40E-04	2.64E-04	2.90E-05	4.27E-05	2.52E-05	2.63E-05
3140	567170.2	4217343.52	2.69E-04	2.91E-04	2.34E-04	2.57E-04	2.82E-05	4.17E-05	2.46E-05	2.57E-05
3141	567161.12	4217344.61	2.63E-04	2.84E-04	2.28E-04	2.51E-04	2.76E-05	4.07E-05	2.40E-05	2.51E-05
3142	567152.05	4217345.7	2.58E-04	2.79E-04	2.24E-04	2.47E-04	2.71E-05	4.00E-05	2.36E-05	2.46E-05
3143	567142.97	4217346.79	2.54E-04	2.74E-04	2.21E-04	2.43E-04	2.67E-05	3.94E-05	2.32E-05	2.42E-05
3144	567133.89	4217347.88	2.51E-04	2.71E-04	2.18E-04	2.40E-04	2.63E-05	3.88E-05	2.29E-05	2.39E-05
3145	567124.81	4217348.97	2.48E-04	2.68E-04	2.15E-04	2.37E-04	2.60E-05	3.84E-05	2.27E-05	2.37E-05
3146	567115.74	4217350.06	2.46E-04	2.66E-04	2.14E-04	2.35E-04	2.58E-05	3.81E-05	2.25E-05	2.35E-05
3147	567097.58	4217352.24	2.43E-04	2.63E-04	2.11E-04	2.32E-04	2.55E-05	3.76E-05	2.22E-05	2.32E-05
3148	567088.5	4217353.33	2.42E-04	2.61E-04	2.10E-04	2.31E-04	2.54E-05	3.75E-05	2.21E-05	2.31E-05
3149	567079.42	4217354.42	2.41E-04	2.60E-04	2.09E-04	2.30E-04	2.53E-05	3.73E-05	2.20E-05	2.30E-05
3150	567070.35	4217355.51	2.40E-04	2.60E-04	2.09E-04	2.30E-04	2.52E-05	3.72E-05	2.20E-05	2.29E-05

		Max Yr	2	T2	T3	T4I	T4f
		Row	19	1.80E-01	1.59E-01	2.58E-02	1.59E-02
			Col	3	4	5	6
			Adjustment	100%	88%	14%	9%
				Year 2	Year 2	Year 2	Year 2
1	567145.96		4217064.54	8.19E-02	7.25E-02	1.17E-02	7.23E-03
2	567143.55		4217074.25	5.58E-02	4.94E-02	8.01E-03	4.93E-03
3	567141.15		4217083.96	4.00E-02	3.54E-02	5.73E-03	3.53E-03
4	567133.93		4217113.08	1.74E-02	1.54E-02	2.49E-03	1.54E-03
5	567131.52		4217122.78	1.38E-02	1.22E-02	1.97E-03	1.22E-03
6	567129.11		4217132.49	1.11E-02	9.83E-03	1.59E-03	9.81E-04
7	567126.71		4217142.19	9.14E-03	8.09E-03	1.31E-03	8.07E-04
8	567124.3		4217151.9	7.65E-03	6.77E-03	1.10E-03	6.75E-04
9	567121.89		4217161.61	6.51E-03	5.76E-03	9.33E-04	5.74E-04
10	567119.49		4217171.31	5.61E-03	4.97E-03	8.05E-04	4.96E-04
11	567117.08		4217181.02	4.91E-03	4.34E-03	7.04E-04	4.33E-04
12	567114.67		4217190.72	4.34E-03	3.84E-03	6.23E-04	3.83E-04
13	567102.64		4217239.25	2.67E-03	2.36E-03	3.83E-04	2.36E-04
14	567100.23		4217248.96	2.47E-03	2.19E-03	3.54E-04	2.18E-04
15	567097.83		4217258.67	2.29E-03	2.03E-03	3.29E-04	2.03E-04
16	567095.42		4217268.37	2.14E-03	1.89E-03	3.07E-04	1.89E-04
17	567178.64		4216983.73	1.78E-01	1.58E-01	2.56E-02	1.57E-02
18	567182.66		4216974.43	1.80E-01	1.59E-01	2.58E-02	1.59E-02
19	567187.53		4216987.36	1.42E-01	1.26E-01	2.04E-02	1.26E-02
20	567176.43		4216996.07	1.66E-01	1.47E-01	2.39E-02	1.47E-02
21	567192.3		4216977.06	1.43E-01	1.26E-01	2.05E-02	1.26E-02
22	567196.79		4216990.49	1.17E-01	1.04E-01	1.68E-02	1.04E-02
23	567189.91		4216999.48	1.23E-01	1.09E-01	1.76E-02	1.09E-02
24	567180.87		4217004.78	1.40E-01	1.24E-01	2.00E-02	1.23E-02
25	567169.67		4217006.41	1.78E-01	1.58E-01	2.56E-02	1.57E-02
26	567201.95		4216979.69	1.17E-01	1.04E-01	1.68E-02	1.03E-02
27	567206.21		4216993.42	9.91E-02	8.77E-02	1.42E-02	8.75E-03
28	567198.87		4217003.01	1.03E-01	9.14E-02	1.48E-02	9.13E-03
29	567185.56		4217013.46	1.19E-01	1.05E-01	1.70E-02	1.05E-02
30	567173.61		4217015.19	1.48E-01	1.31E-01	2.13E-02	1.31E-02
31	567211.6		4216982.32	9.86E-02	8.72E-02	1.41E-02	8.71E-03
32	567215.71		4216996.25	8.50E-02	7.52E-02	1.22E-02	7.51E-03
33	567208.06		4217006.24	8.84E-02	7.83E-02	1.27E-02	7.81E-03
34	567200.42		4217016.23	9.16E-02	8.10E-02	1.31E-02	8.08E-03
35	567190.37		4217022.12	1.01E-01	8.98E-02	1.45E-02	8.96E-03
36	567177.93		4217023.93	1.24E-01	1.10E-01	1.78E-02	1.09E-02
37	567165.48		4217025.73	1.60E-01	1.42E-01	2.30E-02	1.41E-02
38	567221.25		4216984.95	8.43E-02	7.46E-02	1.21E-02	7.44E-03
39	567225.24		4216999.03	7.39E-02	6.54E-02	1.06E-02	6.53E-03
40	567217.38		4217009.3	7.68E-02	6.80E-02	1.10E-02	6.79E-03
41	567209.52		4217019.57	7.92E-02	7.01E-02	1.14E-02	6.99E-03
42	567195.26		4217030.77	8.74E-02	7.73E-02	1.25E-02	7.72E-03
43	567182.45		4217032.63	1.04E-01	9.22E-02	1.49E-02	9.20E-03
44	567169.65		4217034.48	1.29E-01	1.15E-01	1.86E-02	1.14E-02
45	567230.89		4216987.59	7.29E-02	6.45E-02	1.04E-02	6.43E-03
46	567235.26		4217001.18	6.47E-02	5.73E-02	9.28E-03	5.72E-03

47	567228.12	4217010.51	6.72E-02	5.94E-02	9.63E-03	5.93E-03
48	567220.99	4217019.83	6.90E-02	6.10E-02	9.89E-03	6.09E-03
49	567213.85	4217029.15	7.02E-02	6.21E-02	1.01E-02	6.20E-03
50	567200.91	4217039.31	7.52E-02	6.65E-02	1.08E-02	6.64E-03
51	567189.29	4217041	8.57E-02	7.58E-02	1.23E-02	7.57E-03
52	567177.68	4217042.68	9.96E-02	8.81E-02	1.43E-02	8.79E-03
53	567166.06	4217044.36	1.19E-01	1.06E-01	1.71E-02	1.05E-02
54	567240.54	4216990.22	6.36E-02	5.63E-02	9.12E-03	5.62E-03
55	567244.8	4217003.95	5.73E-02	5.07E-02	8.22E-03	5.06E-03
56	567237.46	4217013.54	5.96E-02	5.27E-02	8.54E-03	5.26E-03
57	567230.13	4217023.13	6.12E-02	5.42E-02	8.78E-03	5.40E-03
58	567222.79	4217032.71	6.21E-02	5.50E-02	8.91E-03	5.49E-03
59	567215.45	4217042.3	6.23E-02	5.52E-02	8.94E-03	5.51E-03
60	567205.81	4217047.96	6.55E-02	5.79E-02	9.39E-03	5.78E-03
61	567193.86	4217049.69	7.32E-02	6.48E-02	1.05E-02	6.46E-03
62	567181.91	4217051.42	8.26E-02	7.31E-02	1.18E-02	7.29E-03
63	567169.96	4217053.15	9.42E-02	8.34E-02	1.35E-02	8.32E-03
64	567158.01	4217054.88	1.09E-01	9.62E-02	1.56E-02	9.60E-03
65	567250.19	4216992.85	5.60E-02	4.95E-02	8.03E-03	4.94E-03
66	567254.36	4217006.69	5.11E-02	4.52E-02	7.33E-03	4.51E-03
67	567246.86	4217016.5	5.32E-02	4.71E-02	7.63E-03	4.70E-03
68	567239.36	4217026.3	5.47E-02	4.84E-02	7.84E-03	4.83E-03
69	567231.85	4217036.11	5.55E-02	4.91E-02	7.96E-03	4.90E-03
70	567224.35	4217045.91	5.55E-02	4.91E-02	7.96E-03	4.90E-03
71	567210.73	4217056.61	5.71E-02	5.06E-02	8.19E-03	5.05E-03
72	567198.51	4217058.38	6.26E-02	5.54E-02	8.98E-03	5.53E-03
73	567186.29	4217060.14	6.87E-02	6.08E-02	9.85E-03	6.06E-03
74	567174.07	4217061.91	7.50E-02	6.63E-02	1.07E-02	6.62E-03
75	567161.85	4217063.68	8.04E-02	7.11E-02	1.15E-02	7.10E-03
76	567259.84	4216995.48	4.96E-02	4.39E-02	7.11E-03	4.38E-03
77	567263.94	4217009.41	4.57E-02	4.05E-02	6.56E-03	4.04E-03
78	567256.3	4217019.4	4.77E-02	4.22E-02	6.85E-03	4.22E-03
79	567248.66	4217029.39	4.91E-02	4.35E-02	7.05E-03	4.34E-03
80	567241.01	4217039.38	4.99E-02	4.41E-02	7.15E-03	4.40E-03
81	567233.37	4217049.36	4.99E-02	4.41E-02	7.15E-03	4.40E-03
82	567225.73	4217059.35	4.90E-02	4.34E-02	7.03E-03	4.33E-03
83	567215.68	4217065.25	5.00E-02	4.42E-02	7.17E-03	4.42E-03
84	567203.23	4217067.05	5.38E-02	4.76E-02	7.71E-03	4.75E-03
85	567190.79	4217068.85	5.74E-02	5.08E-02	8.24E-03	5.07E-03
86	567178.34	4217070.65	6.05E-02	5.35E-02	8.68E-03	5.34E-03
87	567165.89	4217072.46	6.19E-02	5.48E-02	8.88E-03	5.47E-03
88	567153.45	4217074.26	5.92E-02	5.24E-02	8.49E-03	5.23E-03
89	567269.48	4216998.11	4.42E-02	3.91E-02	6.34E-03	3.90E-03
90	567273.53	4217012.12	4.11E-02	3.64E-02	5.90E-03	3.63E-03
91	567265.77	4217022.26	4.30E-02	3.81E-02	6.17E-03	3.80E-03
92	567258.01	4217032.4	4.44E-02	3.93E-02	6.37E-03	3.92E-03
93	567250.25	4217042.54	4.51E-02	3.99E-02	6.47E-03	3.99E-03
94	567242.49	4217052.69	4.52E-02	4.00E-02	6.48E-03	3.99E-03
95	567234.73	4217062.83	4.44E-02	3.93E-02	6.36E-03	3.92E-03
96	567220.65	4217073.88	4.39E-02	3.88E-02	6.29E-03	3.88E-03
97	567208.01	4217075.71	4.64E-02	4.10E-02	6.65E-03	4.10E-03
98	567195.37	4217077.55	4.84E-02	4.29E-02	6.95E-03	4.28E-03

99	567182.73	4217079.38	4.96E-02	4.39E-02	7.12E-03	4.38E-03
100	567170.09	4217081.21	4.93E-02	4.36E-02	7.06E-03	4.35E-03
101	567157.45	4217083.04	4.61E-02	4.08E-02	6.61E-03	4.07E-03
102	567279.13	4217000.75	3.96E-02	3.50E-02	5.68E-03	3.50E-03
103	567283.13	4217014.82	3.72E-02	3.29E-02	5.33E-03	3.28E-03
104	567275.27	4217025.09	3.90E-02	3.45E-02	5.59E-03	3.44E-03
105	567267.41	4217035.36	4.03E-02	3.57E-02	5.78E-03	3.56E-03
106	567259.54	4217045.64	4.11E-02	3.63E-02	5.89E-03	3.63E-03
107	567251.68	4217055.91	4.11E-02	3.64E-02	5.90E-03	3.63E-03
108	567243.82	4217066.18	4.04E-02	3.58E-02	5.80E-03	3.57E-03
109	567235.96	4217076.46	3.89E-02	3.44E-02	5.58E-03	3.44E-03
110	567225.63	4217082.52	3.87E-02	3.42E-02	5.54E-03	3.41E-03
111	567212.82	4217084.37	4.02E-02	3.56E-02	5.77E-03	3.55E-03
112	567200.02	4217086.23	4.12E-02	3.64E-02	5.91E-03	3.64E-03
113	567187.22	4217088.08	4.14E-02	3.66E-02	5.93E-03	3.65E-03
114	567174.42	4217089.94	4.02E-02	3.56E-02	5.76E-03	3.55E-03
115	567161.61	4217091.79	3.71E-02	3.29E-02	5.32E-03	3.28E-03
116	567148.81	4217093.65	3.25E-02	2.87E-02	4.66E-03	2.87E-03
117	567288.78	4217003.38	3.56E-02	3.15E-02	5.11E-03	3.14E-03
118	567292.98	4217017.18	3.36E-02	2.98E-02	4.82E-03	2.97E-03
119	567285.53	4217026.92	3.53E-02	3.13E-02	5.07E-03	3.12E-03
120	567278.08	4217036.66	3.66E-02	3.24E-02	5.25E-03	3.23E-03
121	567270.62	4217046.4	3.74E-02	3.31E-02	5.37E-03	3.30E-03
122	567263.17	4217056.13	3.77E-02	3.33E-02	5.40E-03	3.33E-03
123	567255.72	4217065.87	3.74E-02	3.31E-02	5.36E-03	3.30E-03
124	567248.27	4217075.61	3.64E-02	3.22E-02	5.22E-03	3.21E-03
125	567240.82	4217085.35	3.47E-02	3.07E-02	4.98E-03	3.06E-03
126	567231.02	4217091.1	3.41E-02	3.02E-02	4.90E-03	3.01E-03
127	567218.89	4217092.85	3.50E-02	3.10E-02	5.02E-03	3.09E-03
128	567206.75	4217094.61	3.54E-02	3.13E-02	5.07E-03	3.12E-03
129	567194.61	4217096.37	3.51E-02	3.11E-02	5.04E-03	3.10E-03
130	567182.48	4217098.13	3.40E-02	3.01E-02	4.87E-03	3.00E-03
131	567170.34	4217099.88	3.17E-02	2.81E-02	4.55E-03	2.80E-03
132	567298.43	4217006.01	3.22E-02	2.85E-02	4.61E-03	2.84E-03
133	567302.58	4217019.88	3.06E-02	2.71E-02	4.39E-03	2.70E-03
134	567295.02	4217029.75	3.23E-02	2.85E-02	4.63E-03	2.85E-03
135	567287.47	4217039.62	3.35E-02	2.97E-02	4.81E-03	2.96E-03
136	567279.92	4217049.49	3.43E-02	3.04E-02	4.92E-03	3.03E-03
137	567272.36	4217059.36	3.46E-02	3.06E-02	4.96E-03	3.06E-03
138	567264.81	4217069.23	3.44E-02	3.04E-02	4.93E-03	3.03E-03
139	567257.26	4217079.1	3.35E-02	2.97E-02	4.81E-03	2.96E-03
140	567249.7	4217088.97	3.21E-02	2.84E-02	4.60E-03	2.83E-03
141	567236	4217099.73	3.03E-02	2.68E-02	4.35E-03	2.68E-03
142	567223.7	4217101.51	3.07E-02	2.72E-02	4.41E-03	2.71E-03
143	567211.4	4217103.3	3.07E-02	2.72E-02	4.40E-03	2.71E-03
144	567199.1	4217105.08	3.01E-02	2.66E-02	4.32E-03	2.66E-03
145	567149.9	4217112.2	2.07E-02	1.83E-02	2.96E-03	1.82E-03
146	567308.07	4217008.64	2.92E-02	2.58E-02	4.18E-03	2.58E-03
147	567312.18	4217022.57	2.79E-02	2.47E-02	4.01E-03	2.47E-03
148	567304.54	4217032.56	2.95E-02	2.61E-02	4.23E-03	2.61E-03
149	567296.89	4217042.55	3.07E-02	2.72E-02	4.41E-03	2.71E-03
150	567289.25	4217052.53	3.16E-02	2.79E-02	4.52E-03	2.79E-03

151	567281.61	4217062.52	3.19E-02	2.82E-02	4.57E-03	2.82E-03
152	567273.96	4217072.51	3.17E-02	2.81E-02	4.55E-03	2.80E-03
153	567266.32	4217082.5	3.10E-02	2.74E-02	4.45E-03	2.74E-03
154	567258.68	4217092.49	2.98E-02	2.63E-02	4.27E-03	2.63E-03
155	567251.03	4217102.47	2.79E-02	2.47E-02	4.00E-03	2.47E-03
156	567240.99	4217108.37	2.70E-02	2.39E-02	3.87E-03	2.38E-03
157	567228.54	4217110.17	2.71E-02	2.40E-02	3.89E-03	2.40E-03
158	567216.09	4217111.97	2.68E-02	2.37E-02	3.85E-03	2.37E-03
159	567166.31	4217119.18	2.02E-02	1.79E-02	2.89E-03	1.78E-03
160	567153.86	4217120.99	1.76E-02	1.56E-02	2.52E-03	1.55E-03
161	567141.41	4217122.79	1.51E-02	1.34E-02	2.17E-03	1.33E-03
162	567317.72	4217011.27	2.66E-02	2.35E-02	3.81E-03	2.35E-03
163	567321.79	4217025.26	2.56E-02	2.26E-02	3.67E-03	2.26E-03
164	567314.06	4217035.35	2.71E-02	2.40E-02	3.89E-03	2.39E-03
165	567306.34	4217045.44	2.83E-02	2.50E-02	4.05E-03	2.50E-03
166	567298.62	4217055.53	2.91E-02	2.57E-02	4.17E-03	2.57E-03
167	567290.89	4217065.63	2.95E-02	2.61E-02	4.22E-03	2.60E-03
168	567283.17	4217075.72	2.94E-02	2.60E-02	4.21E-03	2.59E-03
169	567275.44	4217085.81	2.88E-02	2.55E-02	4.13E-03	2.54E-03
170	567267.72	4217095.91	2.77E-02	2.45E-02	3.97E-03	2.45E-03
171	567260	4217106	2.61E-02	2.31E-02	3.74E-03	2.31E-03
172	567245.98	4217117	2.41E-02	2.14E-02	3.46E-03	2.13E-03
173	567233.41	4217118.82	2.40E-02	2.13E-02	3.45E-03	2.12E-03
174	567195.67	4217124.29	2.13E-02	1.88E-02	3.05E-03	1.88E-03
175	567170.52	4217127.93	1.74E-02	1.54E-02	2.49E-03	1.53E-03
176	567157.94	4217129.75	1.52E-02	1.34E-02	2.17E-03	1.34E-03
177	567145.36	4217131.58	1.31E-02	1.16E-02	1.88E-03	1.15E-03
178	567327.37	4217013.9	2.43E-02	2.15E-02	3.48E-03	2.14E-03
179	567331.4	4217027.93	2.35E-02	2.08E-02	3.37E-03	2.07E-03
180	567323.6	4217038.12	2.49E-02	2.21E-02	3.57E-03	2.20E-03
181	567315.81	4217048.31	2.61E-02	2.31E-02	3.74E-03	2.30E-03
182	567308.01	4217058.5	2.69E-02	2.38E-02	3.85E-03	2.37E-03
183	567300.21	4217068.68	2.73E-02	2.42E-02	3.91E-03	2.41E-03
184	567292.42	4217078.87	2.73E-02	2.41E-02	3.91E-03	2.41E-03
185	567284.62	4217089.06	2.68E-02	2.37E-02	3.85E-03	2.37E-03
186	567276.83	4217099.25	2.59E-02	2.29E-02	3.71E-03	2.29E-03
187	567212.9	4217131.15	1.99E-02	1.76E-02	2.85E-03	1.75E-03
188	567200.2	4217132.99	1.86E-02	1.64E-02	2.66E-03	1.64E-03
189	567174.81	4217136.67	1.51E-02	1.34E-02	2.16E-03	1.33E-03
190	567162.12	4217138.51	1.32E-02	1.17E-02	1.89E-03	1.17E-03
191	567149.42	4217140.35	1.14E-02	1.01E-02	1.64E-03	1.01E-03
192	567136.72	4217142.18	9.92E-03	8.78E-03	1.42E-03	8.76E-04
193	567337.02	4217016.54	2.22E-02	1.97E-02	3.19E-03	1.96E-03
194	567341.01	4217030.61	2.16E-02	1.91E-02	3.10E-03	1.91E-03
195	567333.15	4217040.88	2.30E-02	2.03E-02	3.29E-03	2.03E-03
196	567325.29	4217051.16	2.41E-02	2.13E-02	3.45E-03	2.13E-03
197	567317.43	4217061.43	2.49E-02	2.20E-02	3.57E-03	2.20E-03
198	567309.57	4217071.7	2.53E-02	2.24E-02	3.63E-03	2.24E-03
199	567301.7	4217081.97	2.54E-02	2.25E-02	3.64E-03	2.24E-03
200	567293.84	4217092.25	2.50E-02	2.22E-02	3.59E-03	2.21E-03
201	567285.98	4217102.52	2.43E-02	2.15E-02	3.48E-03	2.14E-03
202	567278.12	4217112.79	2.31E-02	2.04E-02	3.31E-03	2.04E-03

203	567243.19	4217136.12	1.91E-02	1.69E-02	2.75E-03	1.69E-03
204	567230.39	4217137.98	1.85E-02	1.64E-02	2.65E-03	1.63E-03
205	567217.59	4217139.83	1.76E-02	1.55E-02	2.52E-03	1.55E-03
206	567204.78	4217141.68	1.63E-02	1.44E-02	2.34E-03	1.44E-03
207	567166.38	4217147.25	1.16E-02	1.03E-02	1.67E-03	1.03E-03
208	567153.57	4217149.1	1.01E-02	8.95E-03	1.45E-03	8.94E-04
209	567140.77	4217150.96	8.81E-03	7.79E-03	1.26E-03	7.78E-04
210	567346.66	4217019.17	2.05E-02	1.81E-02	2.93E-03	1.81E-03
211	567350.63	4217033.28	1.99E-02	1.77E-02	2.86E-03	1.76E-03
212	567342.71	4217043.63	2.12E-02	1.88E-02	3.04E-03	1.87E-03
213	567334.79	4217053.98	2.23E-02	1.97E-02	3.20E-03	1.97E-03
214	567326.87	4217064.33	2.31E-02	2.04E-02	3.31E-03	2.04E-03
215	567318.95	4217074.68	2.36E-02	2.09E-02	3.38E-03	2.08E-03
216	567311.02	4217085.03	2.37E-02	2.10E-02	3.40E-03	2.09E-03
217	567303.1	4217095.39	2.34E-02	2.07E-02	3.36E-03	2.07E-03
218	567295.18	4217105.74	2.28E-02	2.02E-02	3.27E-03	2.01E-03
219	567287.26	4217116.09	2.17E-02	1.92E-02	3.12E-03	1.92E-03
220	567279.34	4217126.44	2.03E-02	1.80E-02	2.92E-03	1.80E-03
221	567248.11	4217144.77	1.72E-02	1.52E-02	2.47E-03	1.52E-03
222	567235.21	4217146.64	1.65E-02	1.46E-02	2.37E-03	1.46E-03
223	567222.31	4217148.5	1.56E-02	1.38E-02	2.24E-03	1.38E-03
224	567209.41	4217150.37	1.45E-02	1.28E-02	2.07E-03	1.28E-03
225	567196.51	4217152.24	1.31E-02	1.16E-02	1.88E-03	1.16E-03
226	567170.71	4217155.98	1.03E-02	9.13E-03	1.48E-03	9.11E-04
227	567157.81	4217157.84	9.02E-03	7.98E-03	1.29E-03	7.96E-04
228	567144.91	4217159.71	7.88E-03	6.98E-03	1.13E-03	6.96E-04
229	567132.01	4217161.58	6.96E-03	6.16E-03	9.97E-04	6.14E-04
230	567356.31	4217021.8	1.89E-02	1.67E-02	2.70E-03	1.66E-03
231	567360.42	4217035.73	1.84E-02	1.63E-02	2.64E-03	1.63E-03
232	567352.77	4217045.72	1.96E-02	1.73E-02	2.81E-03	1.73E-03
233	567345.13	4217055.71	2.06E-02	1.82E-02	2.95E-03	1.82E-03
234	567337.49	4217065.69	2.14E-02	1.89E-02	3.07E-03	1.89E-03
235	567329.84	4217075.68	2.19E-02	1.94E-02	3.14E-03	1.93E-03
236	567322.2	4217085.67	2.21E-02	1.96E-02	3.18E-03	1.96E-03
237	567314.56	4217095.66	2.21E-02	1.95E-02	3.16E-03	1.95E-03
238	567306.91	4217105.64	2.16E-02	1.91E-02	3.10E-03	1.91E-03
239	567299.27	4217115.63	2.09E-02	1.85E-02	2.99E-03	1.84E-03
240	567291.63	4217125.62	1.98E-02	1.75E-02	2.84E-03	1.75E-03
241	567276.34	4217145.6	1.69E-02	1.50E-02	2.43E-03	1.50E-03
242	567266.3	4217151.49	1.60E-02	1.41E-02	2.29E-03	1.41E-03
243	567253.85	4217153.29	1.55E-02	1.37E-02	2.23E-03	1.37E-03
244	567241.4	4217155.1	1.49E-02	1.32E-02	2.14E-03	1.32E-03
245	567228.96	4217156.9	1.41E-02	1.25E-02	2.02E-03	1.24E-03
246	567216.51	4217158.7	1.31E-02	1.16E-02	1.88E-03	1.16E-03
247	567204.06	4217160.5	1.20E-02	1.06E-02	1.72E-03	1.06E-03
248	567166.72	4217165.91	8.47E-03	7.50E-03	1.21E-03	7.48E-04
249	567154.27	4217167.71	7.47E-03	6.61E-03	1.07E-03	6.60E-04
250	567141.83	4217169.52	6.63E-03	5.86E-03	9.50E-04	5.85E-04
251	567129.38	4217171.32	5.94E-03	5.26E-03	8.52E-04	5.25E-04
252	567365.96	4217024.43	1.74E-02	1.54E-02	2.50E-03	1.54E-03
253	567370.03	4217038.4	1.71E-02	1.51E-02	2.45E-03	1.51E-03
254	567362.33	4217048.47	1.82E-02	1.61E-02	2.61E-03	1.60E-03

255	567354.63	4217058.54	1.91E-02	1.69E-02	2.74E-03	1.69E-03
256	567346.92	4217068.61	1.99E-02	1.76E-02	2.86E-03	1.76E-03
257	567339.22	4217078.67	2.05E-02	1.81E-02	2.93E-03	1.81E-03
258	567331.51	4217088.74	2.07E-02	1.83E-02	2.97E-03	1.83E-03
259	567323.81	4217098.81	2.07E-02	1.83E-02	2.97E-03	1.83E-03
260	567316.1	4217108.88	2.04E-02	1.80E-02	2.92E-03	1.80E-03
261	567308.4	4217118.94	1.97E-02	1.74E-02	2.83E-03	1.74E-03
262	567300.69	4217129.01	1.88E-02	1.66E-02	2.69E-03	1.66E-03
263	567285.29	4217149.15	1.62E-02	1.43E-02	2.32E-03	1.43E-03
264	567271.31	4217160.12	1.45E-02	1.28E-02	2.08E-03	1.28E-03
265	567246.21	4217163.76	1.34E-02	1.19E-02	1.93E-03	1.19E-03
266	567233.67	4217165.57	1.26E-02	1.12E-02	1.81E-03	1.12E-03
267	567221.12	4217167.39	1.17E-02	1.04E-02	1.68E-03	1.04E-03
268	567208.58	4217169.21	1.07E-02	9.48E-03	1.54E-03	9.46E-04
269	567196.03	4217171.03	9.65E-03	8.54E-03	1.38E-03	8.52E-04
270	567170.94	4217174.66	7.62E-03	6.74E-03	1.09E-03	6.73E-04
271	567158.39	4217176.48	6.75E-03	5.97E-03	9.68E-04	5.96E-04
272	567145.84	4217178.29	6.01E-03	5.32E-03	8.62E-04	5.31E-04
273	567133.3	4217180.11	5.41E-03	4.78E-03	7.75E-04	4.77E-04
274	567375.61	4217027.06	1.61E-02	1.43E-02	2.31E-03	1.42E-03
275	567379.65	4217041.07	1.58E-02	1.40E-02	2.27E-03	1.40E-03
276	567371.89	4217051.21	1.69E-02	1.50E-02	2.42E-03	1.49E-03
277	567364.13	4217061.35	1.78E-02	1.58E-02	2.56E-03	1.57E-03
278	567356.37	4217071.5	1.86E-02	1.64E-02	2.66E-03	1.64E-03
279	567348.61	4217081.64	1.91E-02	1.69E-02	2.74E-03	1.69E-03
280	567340.85	4217091.78	1.94E-02	1.72E-02	2.78E-03	1.71E-03
281	567333.09	4217101.92	1.94E-02	1.72E-02	2.79E-03	1.72E-03
282	567325.33	4217112.06	1.92E-02	1.70E-02	2.75E-03	1.69E-03
283	567317.57	4217122.2	1.86E-02	1.65E-02	2.67E-03	1.65E-03
284	567309.81	4217132.34	1.78E-02	1.58E-02	2.56E-03	1.57E-03
285	567294.28	4217152.63	1.55E-02	1.37E-02	2.22E-03	1.37E-03
286	567286.52	4217162.77	1.41E-02	1.25E-02	2.03E-03	1.25E-03
287	567276.32	4217168.75	1.32E-02	1.17E-02	1.90E-03	1.17E-03
288	567251.05	4217172.41	1.22E-02	1.08E-02	1.74E-03	1.07E-03
289	567238.41	4217174.24	1.14E-02	1.01E-02	1.64E-03	1.01E-03
290	567225.77	4217176.08	1.06E-02	9.35E-03	1.51E-03	9.33E-04
291	567213.13	4217177.91	9.64E-03	8.53E-03	1.38E-03	8.51E-04
292	567200.49	4217179.74	8.69E-03	7.69E-03	1.25E-03	7.68E-04
293	567175.22	4217183.4	6.90E-03	6.10E-03	9.89E-04	6.09E-04
294	567162.58	4217185.23	6.13E-03	5.42E-03	8.79E-04	5.41E-04
295	567149.94	4217187.06	5.48E-03	4.85E-03	7.85E-04	4.84E-04
296	567137.3	4217188.89	4.94E-03	4.38E-03	7.09E-04	4.37E-04
297	567124.66	4217190.72	4.53E-03	4.01E-03	6.49E-04	4.00E-04
298	567385.25	4217029.7	1.50E-02	1.32E-02	2.14E-03	1.32E-03
299	567389.28	4217043.74	1.47E-02	1.30E-02	2.11E-03	1.30E-03
300	567381.46	4217053.95	1.57E-02	1.39E-02	2.25E-03	1.39E-03
301	567373.65	4217064.16	1.66E-02	1.47E-02	2.38E-03	1.47E-03
302	567365.84	4217074.37	1.74E-02	1.54E-02	2.49E-03	1.53E-03
303	567358.02	4217084.58	1.79E-02	1.58E-02	2.57E-03	1.58E-03
304	567350.21	4217094.79	1.82E-02	1.61E-02	2.61E-03	1.61E-03
305	567342.4	4217104.99	1.83E-02	1.62E-02	2.62E-03	1.61E-03
306	567334.58	4217115.2	1.81E-02	1.60E-02	2.59E-03	1.60E-03

307	567326.77	4217125.41	1.76E-02	1.56E-02	2.53E-03	1.56E-03
308	567318.96	4217135.62	1.69E-02	1.50E-02	2.43E-03	1.50E-03
309	567303.33	4217156.04	1.49E-02	1.32E-02	2.13E-03	1.31E-03
310	567295.52	4217166.25	1.36E-02	1.21E-02	1.95E-03	1.20E-03
311	567281.34	4217177.38	1.21E-02	1.07E-02	1.73E-03	1.07E-03
312	567268.62	4217179.23	1.16E-02	1.03E-02	1.67E-03	1.03E-03
313	567243.17	4217182.91	1.03E-02	9.15E-03	1.48E-03	9.13E-04
314	567230.45	4217184.76	9.56E-03	8.46E-03	1.37E-03	8.44E-04
315	567217.72	4217186.6	8.72E-03	7.72E-03	1.25E-03	7.70E-04
316	567205	4217188.44	7.87E-03	6.96E-03	1.13E-03	6.95E-04
317	567192.28	4217190.28	7.04E-03	6.23E-03	1.01E-03	6.22E-04
318	567166.83	4217193.97	5.59E-03	4.95E-03	8.02E-04	4.94E-04
319	567154.11	4217195.81	5.02E-03	4.44E-03	7.19E-04	4.43E-04
320	567141.38	4217197.65	4.54E-03	4.02E-03	6.51E-04	4.01E-04
321	567128.66	4217199.5	4.17E-03	3.69E-03	5.98E-04	3.68E-04
322	567394.9	4217032.33	1.39E-02	1.23E-02	2.00E-03	1.23E-03
323	567398.9	4217046.4	1.38E-02	1.22E-02	1.97E-03	1.21E-03
324	567391.04	4217056.67	1.47E-02	1.30E-02	2.10E-03	1.30E-03
325	567383.17	4217066.95	1.55E-02	1.38E-02	2.23E-03	1.37E-03
326	567375.31	4217077.22	1.63E-02	1.44E-02	2.33E-03	1.44E-03
327	567367.45	4217087.49	1.68E-02	1.49E-02	2.41E-03	1.48E-03
328	567359.59	4217097.77	1.71E-02	1.52E-02	2.46E-03	1.51E-03
329	567351.73	4217108.04	1.72E-02	1.52E-02	2.47E-03	1.52E-03
330	567343.87	4217118.31	1.71E-02	1.51E-02	2.45E-03	1.51E-03
331	567336	4217128.59	1.67E-02	1.48E-02	2.40E-03	1.48E-03
332	567328.14	4217138.86	1.61E-02	1.43E-02	2.31E-03	1.42E-03
333	567312.42	4217159.4	1.43E-02	1.26E-02	2.05E-03	1.26E-03
334	567304.56	4217169.68	1.31E-02	1.16E-02	1.88E-03	1.16E-03
335	567296.7	4217179.95	1.19E-02	1.05E-02	1.71E-03	1.05E-03
336	567286.36	4217186.01	1.11E-02	9.81E-03	1.59E-03	9.79E-04
337	567273.56	4217187.87	1.06E-02	9.40E-03	1.52E-03	9.38E-04
338	567247.96	4217191.58	9.41E-03	8.32E-03	1.35E-03	8.31E-04
339	567235.15	4217193.43	8.69E-03	7.69E-03	1.25E-03	7.67E-04
340	567222.35	4217195.29	7.93E-03	7.01E-03	1.14E-03	7.00E-04
341	567209.55	4217197.14	7.16E-03	6.34E-03	1.03E-03	6.32E-04
342	567196.75	4217198.99	6.42E-03	5.68E-03	9.21E-04	5.67E-04
343	567171.14	4217202.7	5.13E-03	4.54E-03	7.36E-04	4.53E-04
344	567158.34	4217204.56	4.61E-03	4.08E-03	6.62E-04	4.07E-04
345	567145.54	4217206.41	4.19E-03	3.71E-03	6.01E-04	3.70E-04
346	567132.73	4217208.26	3.86E-03	3.41E-03	5.53E-04	3.41E-04
347	567119.93	4217210.12	3.60E-03	3.19E-03	5.17E-04	3.18E-04
348	567404.55	4217034.96	1.30E-02	1.15E-02	1.86E-03	1.15E-03
349	567408.52	4217049.06	1.29E-02	1.14E-02	1.84E-03	1.14E-03
350	567400.62	4217059.39	1.37E-02	1.21E-02	1.97E-03	1.21E-03
351	567392.71	4217069.73	1.45E-02	1.28E-02	2.08E-03	1.28E-03
352	567384.8	4217080.06	1.52E-02	1.35E-02	2.18E-03	1.35E-03
353	567376.9	4217090.39	1.58E-02	1.40E-02	2.26E-03	1.39E-03
354	567368.99	4217100.72	1.61E-02	1.43E-02	2.31E-03	1.42E-03
355	567361.08	4217111.05	1.63E-02	1.44E-02	2.33E-03	1.44E-03
356	567353.17	4217121.39	1.62E-02	1.43E-02	2.32E-03	1.43E-03
357	567345.27	4217131.72	1.59E-02	1.40E-02	2.27E-03	1.40E-03
358	567337.36	4217142.05	1.53E-02	1.36E-02	2.20E-03	1.35E-03

359	567321.55	4217162.72	1.37E-02	1.21E-02	1.97E-03	1.21E-03
360	567313.64	4217173.05	1.27E-02	1.12E-02	1.82E-03	1.12E-03
361	567305.73	4217183.38	1.15E-02	1.02E-02	1.66E-03	1.02E-03
362	567291.39	4217194.64	1.02E-02	9.01E-03	1.46E-03	8.99E-04
363	567278.51	4217196.51	9.74E-03	8.62E-03	1.40E-03	8.60E-04
364	567252.76	4217200.24	8.59E-03	7.60E-03	1.23E-03	7.59E-04
365	567239.88	4217202.1	7.93E-03	7.01E-03	1.14E-03	7.00E-04
366	567227.01	4217203.97	7.23E-03	6.40E-03	1.04E-03	6.39E-04
367	567214.13	4217205.83	6.54E-03	5.79E-03	9.38E-04	5.78E-04
368	567201.26	4217207.7	5.88E-03	5.20E-03	8.43E-04	5.19E-04
369	567175.5	4217211.43	4.72E-03	4.18E-03	6.77E-04	4.17E-04
370	567162.63	4217213.29	4.26E-03	3.77E-03	6.11E-04	3.76E-04
371	567149.75	4217215.16	3.88E-03	3.43E-03	5.56E-04	3.43E-04
372	567136.88	4217217.02	3.58E-03	3.17E-03	5.13E-04	3.16E-04
373	567124	4217218.89	3.35E-03	2.96E-03	4.80E-04	2.96E-04
374	567410.59	4217061.61	1.28E-02	1.13E-02	1.84E-03	1.13E-03
375	567402.89	4217071.66	1.35E-02	1.20E-02	1.94E-03	1.20E-03
376	567395.2	4217081.71	1.42E-02	1.26E-02	2.04E-03	1.25E-03
377	567387.51	4217091.76	1.48E-02	1.31E-02	2.12E-03	1.30E-03
378	567379.81	4217101.81	1.51E-02	1.34E-02	2.17E-03	1.34E-03
379	567372.12	4217111.87	1.53E-02	1.36E-02	2.20E-03	1.35E-03
380	567364.43	4217121.92	1.53E-02	1.36E-02	2.20E-03	1.35E-03
381	567356.74	4217131.97	1.52E-02	1.34E-02	2.17E-03	1.34E-03
382	567349.04	4217142.02	1.48E-02	1.31E-02	2.12E-03	1.30E-03
383	567325.97	4217172.18	1.26E-02	1.12E-02	1.81E-03	1.11E-03
384	567318.27	4217182.23	1.17E-02	1.03E-02	1.67E-03	1.03E-03
385	567310.58	4217192.28	1.06E-02	9.41E-03	1.52E-03	9.39E-04
386	567296.62	4217203.24	9.39E-03	8.31E-03	1.35E-03	8.29E-04
387	567284.1	4217205.06	8.97E-03	7.94E-03	1.29E-03	7.92E-04
388	567271.57	4217206.87	8.48E-03	7.51E-03	1.22E-03	7.49E-04
389	567246.52	4217210.5	7.35E-03	6.50E-03	1.05E-03	6.49E-04
390	567233.99	4217212.31	6.74E-03	5.97E-03	9.67E-04	5.95E-04
391	567221.46	4217214.13	6.13E-03	5.43E-03	8.79E-04	5.41E-04
392	567208.93	4217215.94	5.54E-03	4.91E-03	7.95E-04	4.89E-04
393	567196.41	4217217.76	5.00E-03	4.42E-03	7.16E-04	4.41E-04
394	567171.35	4217221.39	4.08E-03	3.61E-03	5.85E-04	3.60E-04
395	567158.83	4217223.2	3.72E-03	3.30E-03	5.34E-04	3.29E-04
396	567146.3	4217225.02	3.44E-03	3.04E-03	4.93E-04	3.03E-04
397	567133.77	4217226.83	3.21E-03	2.84E-03	4.60E-04	2.83E-04
398	567121.24	4217228.64	3.03E-03	2.68E-03	4.35E-04	2.68E-04
399	567404.69	4217084.55	1.33E-02	1.18E-02	1.91E-03	1.18E-03
400	567396.95	4217094.67	1.39E-02	1.23E-02	1.99E-03	1.23E-03
401	567389.21	4217104.78	1.43E-02	1.26E-02	2.05E-03	1.26E-03
402	567381.47	4217114.89	1.45E-02	1.28E-02	2.08E-03	1.28E-03
403	567373.73	4217125	1.45E-02	1.29E-02	2.08E-03	1.28E-03
404	567365.99	4217135.12	1.44E-02	1.27E-02	2.06E-03	1.27E-03
405	567358.25	4217145.23	1.41E-02	1.24E-02	2.02E-03	1.24E-03
406	567327.3	4217185.68	1.13E-02	9.98E-03	1.62E-03	9.96E-04
407	567319.56	4217195.79	1.03E-02	9.14E-03	1.48E-03	9.12E-04
408	567311.82	4217205.9	9.34E-03	8.27E-03	1.34E-03	8.25E-04
409	567301.65	4217211.87	8.67E-03	7.67E-03	1.24E-03	7.65E-04
410	567289.05	4217213.7	8.27E-03	7.31E-03	1.19E-03	7.30E-04

411	567276.44	4217215.52	7.80E-03	6.91E-03	1.12E-03	6.89E-04
412	567251.24	4217219.17	6.75E-03	5.98E-03	9.68E-04	5.96E-04
413	567238.64	4217221	6.19E-03	5.48E-03	8.88E-04	5.47E-04
414	567226.03	4217222.82	5.64E-03	4.99E-03	8.09E-04	4.98E-04
415	567213.43	4217224.65	5.11E-03	4.52E-03	7.32E-04	4.51E-04
416	567200.83	4217226.47	4.61E-03	4.08E-03	6.62E-04	4.07E-04
417	567175.62	4217230.13	3.79E-03	3.35E-03	5.43E-04	3.34E-04
418	567163.02	4217231.95	3.46E-03	3.07E-03	4.97E-04	3.06E-04
419	567150.42	4217233.78	3.20E-03	2.83E-03	4.59E-04	2.83E-04
420	567137.82	4217235.6	3.00E-03	2.65E-03	4.30E-04	2.65E-04
421	567125.21	4217237.43	2.83E-03	2.51E-03	4.06E-04	2.50E-04
422	567437.53	4217056.88	1.07E-02	9.45E-03	1.53E-03	9.43E-04
423	567406.4	4217097.55	1.30E-02	1.15E-02	1.87E-03	1.15E-03
424	567398.62	4217107.72	1.35E-02	1.19E-02	1.93E-03	1.19E-03
425	567390.83	4217117.89	1.37E-02	1.21E-02	1.96E-03	1.21E-03
426	567383.05	4217128.06	1.38E-02	1.22E-02	1.98E-03	1.22E-03
427	567375.27	4217138.23	1.37E-02	1.21E-02	1.96E-03	1.21E-03
428	567367.49	4217148.4	1.34E-02	1.19E-02	1.92E-03	1.18E-03
429	567351.92	4217168.74	1.24E-02	1.10E-02	1.78E-03	1.09E-03
430	567328.58	4217199.25	1.00E-02	8.88E-03	1.44E-03	8.86E-04
431	567320.79	4217209.42	9.12E-03	8.07E-03	1.31E-03	8.05E-04
432	567306.67	4217220.5	8.02E-03	7.10E-03	1.15E-03	7.08E-04
433	567294	4217222.34	7.64E-03	6.76E-03	1.09E-03	6.74E-04
434	567281.33	4217224.17	7.20E-03	6.37E-03	1.03E-03	6.36E-04
435	567268.65	4217226.01	6.72E-03	5.95E-03	9.64E-04	5.94E-04
436	567243.31	4217229.68	5.71E-03	5.05E-03	8.19E-04	5.04E-04
437	567230.64	4217231.52	5.20E-03	4.61E-03	7.46E-04	4.60E-04
438	567217.96	4217233.35	4.72E-03	4.18E-03	6.77E-04	4.17E-04
439	567205.29	4217235.19	4.27E-03	3.78E-03	6.13E-04	3.77E-04
440	567192.62	4217237.02	3.87E-03	3.43E-03	5.55E-04	3.42E-04
441	567167.27	4217240.69	3.23E-03	2.86E-03	4.64E-04	2.85E-04
442	567154.6	4217242.53	2.99E-03	2.65E-03	4.29E-04	2.64E-04
443	567141.92	4217244.36	2.80E-03	2.48E-03	4.02E-04	2.48E-04
444	567129.25	4217246.2	2.66E-03	2.35E-03	3.81E-04	2.35E-04
445	567116.58	4217248.03	2.54E-03	2.25E-03	3.65E-04	2.25E-04
446	567443.14	4217045.49	1.01E-02	8.94E-03	1.45E-03	8.92E-04
447	567447.15	4217059.53	1.01E-02	8.94E-03	1.45E-03	8.93E-04
448	567439.33	4217069.76	1.07E-02	9.48E-03	1.54E-03	9.46E-04
449	567431.51	4217079.98	1.13E-02	1.00E-02	1.62E-03	9.98E-04
450	567408.04	4217110.65	1.27E-02	1.12E-02	1.82E-03	1.12E-03
451	567400.22	4217120.87	1.30E-02	1.15E-02	1.86E-03	1.14E-03
452	567392.39	4217131.09	1.31E-02	1.16E-02	1.87E-03	1.15E-03
453	567384.57	4217141.32	1.30E-02	1.15E-02	1.87E-03	1.15E-03
454	567376.75	4217151.54	1.28E-02	1.13E-02	1.83E-03	1.13E-03
455	567361.1	4217171.98	1.19E-02	1.05E-02	1.71E-03	1.05E-03
456	567353.28	4217182.21	1.13E-02	9.98E-03	1.62E-03	9.96E-04
457	567345.45	4217192.43	1.06E-02	9.34E-03	1.51E-03	9.32E-04
458	567329.81	4217212.88	8.90E-03	7.88E-03	1.28E-03	7.86E-04
459	567321.98	4217223.1	8.03E-03	7.11E-03	1.15E-03	7.10E-04
460	567311.7	4217229.13	7.44E-03	6.58E-03	1.07E-03	6.57E-04
461	567298.96	4217230.98	7.07E-03	6.26E-03	1.01E-03	6.24E-04
462	567286.22	4217232.82	6.66E-03	5.89E-03	9.55E-04	5.88E-04

463	567273.48	4217234.67	6.22E-03	5.50E-03	8.91E-04	5.49E-04
464	567248	4217238.36	5.28E-03	4.67E-03	7.57E-04	4.66E-04
465	567235.26	4217240.2	4.82E-03	4.26E-03	6.91E-04	4.26E-04
466	567222.52	4217242.05	4.38E-03	3.87E-03	6.28E-04	3.87E-04
467	567209.78	4217243.89	3.97E-03	3.51E-03	5.69E-04	3.51E-04
468	567197.04	4217245.74	3.61E-03	3.19E-03	5.17E-04	3.18E-04
469	567171.57	4217249.43	3.02E-03	2.68E-03	4.34E-04	2.67E-04
470	567158.83	4217251.27	2.81E-03	2.48E-03	4.02E-04	2.48E-04
471	567146.09	4217253.12	2.63E-03	2.33E-03	3.77E-04	2.32E-04
472	567133.35	4217254.96	2.50E-03	2.21E-03	3.58E-04	2.20E-04
473	567120.61	4217256.81	2.39E-03	2.12E-03	3.43E-04	2.11E-04
474	567452.79	4217048.12	9.58E-03	8.48E-03	1.37E-03	8.46E-04
475	567456.78	4217062.19	9.58E-03	8.48E-03	1.37E-03	8.46E-04
476	567448.92	4217072.46	1.02E-02	8.98E-03	1.46E-03	8.96E-04
477	567441.06	4217082.74	1.07E-02	9.45E-03	1.53E-03	9.43E-04
478	567433.2	4217093.01	1.12E-02	9.91E-03	1.61E-03	9.89E-04
479	567401.75	4217134.1	1.24E-02	1.10E-02	1.78E-03	1.10E-03
480	567393.89	4217144.38	1.24E-02	1.10E-02	1.78E-03	1.09E-03
481	567386.03	4217154.65	1.22E-02	1.08E-02	1.75E-03	1.08E-03
482	567362.44	4217185.47	1.09E-02	9.62E-03	1.56E-03	9.59E-04
483	567354.58	4217195.74	1.02E-02	9.03E-03	1.46E-03	9.02E-04
484	567346.72	4217206.01	9.48E-03	8.39E-03	1.36E-03	8.37E-04
485	567331	4217226.56	7.88E-03	6.97E-03	1.13E-03	6.96E-04
486	567316.73	4217237.76	6.91E-03	6.12E-03	9.91E-04	6.10E-04
487	567303.93	4217239.62	6.56E-03	5.81E-03	9.41E-04	5.79E-04
488	567291.13	4217241.47	6.17E-03	5.46E-03	8.85E-04	5.45E-04
489	567278.33	4217243.32	5.76E-03	5.10E-03	8.26E-04	5.09E-04
490	567252.72	4217247.03	4.90E-03	4.33E-03	7.02E-04	4.33E-04
491	567239.92	4217248.89	4.47E-03	3.96E-03	6.42E-04	3.95E-04
492	567227.11	4217250.74	4.07E-03	3.60E-03	5.84E-04	3.60E-04
493	567214.31	4217252.59	3.70E-03	3.28E-03	5.31E-04	3.27E-04
494	567201.51	4217254.45	3.37E-03	2.98E-03	4.83E-04	2.97E-04
495	567175.9	4217258.16	2.84E-03	2.51E-03	4.07E-04	2.50E-04
496	567163.1	4217260.01	2.64E-03	2.33E-03	3.78E-04	2.33E-04
497	567150.3	4217261.87	2.48E-03	2.19E-03	3.55E-04	2.19E-04
498	567137.5	4217263.72	2.35E-03	2.08E-03	3.37E-04	2.08E-04
499	567124.69	4217265.57	2.26E-03	2.00E-03	3.23E-04	1.99E-04
500	567462.43	4217050.75	9.09E-03	8.04E-03	1.30E-03	8.02E-04
501	567466.41	4217064.85	9.09E-03	8.04E-03	1.30E-03	8.02E-04
502	567458.51	4217075.17	9.63E-03	8.52E-03	1.38E-03	8.50E-04
503	567450.62	4217085.49	1.01E-02	8.97E-03	1.45E-03	8.95E-04
504	567442.72	4217095.81	1.06E-02	9.40E-03	1.52E-03	9.38E-04
505	567434.82	4217106.13	1.11E-02	9.78E-03	1.59E-03	9.76E-04
506	567403.23	4217147.41	1.18E-02	1.04E-02	1.69E-03	1.04E-03
507	567395.33	4217157.73	1.17E-02	1.03E-02	1.67E-03	1.03E-03
508	567371.64	4217188.69	1.05E-02	9.27E-03	1.50E-03	9.25E-04
509	567363.74	4217199.02	9.88E-03	8.74E-03	1.42E-03	8.72E-04
510	567355.84	4217209.34	9.21E-03	8.15E-03	1.32E-03	8.13E-04
511	567347.94	4217219.66	8.48E-03	7.50E-03	1.22E-03	7.49E-04
512	567321.76	4217246.39	6.43E-03	5.69E-03	9.23E-04	5.68E-04
513	567308.9	4217248.25	6.10E-03	5.40E-03	8.75E-04	5.39E-04
514	567296.04	4217250.12	5.74E-03	5.08E-03	8.23E-04	5.07E-04

515	567283.18	4217251.98	5.35E-03	4.74E-03	7.68E-04	4.73E-04
516	567270.32	4217253.84	4.96E-03	4.38E-03	7.11E-04	4.38E-04
517	567244.59	4217257.57	4.17E-03	3.69E-03	5.97E-04	3.68E-04
518	567231.73	4217259.43	3.80E-03	3.36E-03	5.45E-04	3.35E-04
519	567218.87	4217261.29	3.46E-03	3.06E-03	4.96E-04	3.05E-04
520	567206.01	4217263.15	3.15E-03	2.79E-03	4.52E-04	2.79E-04
521	567193.15	4217265.02	2.89E-03	2.56E-03	4.14E-04	2.55E-04
522	567472.08	4217053.38	8.63E-03	7.64E-03	1.24E-03	7.62E-04
523	567208.74	4216964.73	1.16E-01	1.03E-01	1.67E-02	1.03E-02
524	567217.66	4216969.25	9.71E-02	8.59E-02	1.39E-02	8.58E-03
525	567226.58	4216973.77	8.25E-02	7.30E-02	1.18E-02	7.29E-03
526	567233.83	4216959.46	7.67E-02	6.78E-02	1.10E-02	6.77E-03
527	567235.51	4216978.29	7.11E-02	6.29E-02	1.02E-02	6.28E-03
528	567242.75	4216963.97	6.58E-02	5.82E-02	9.44E-03	5.81E-03
529	567248.05	4216975.65	5.99E-02	5.30E-02	8.60E-03	5.29E-03
530	567255.3	4216961.34	5.39E-02	4.77E-02	7.73E-03	4.76E-03
531	567256.97	4216980.17	5.27E-02	4.67E-02	7.56E-03	4.66E-03
532	567264.22	4216965.85	4.75E-02	4.20E-02	6.81E-03	4.19E-03
533	567265.89	4216984.68	4.68E-02	4.14E-02	6.72E-03	4.14E-03
534	567273.14	4216970.37	4.23E-02	3.74E-02	6.07E-03	3.74E-03
535	567274.81	4216989.2	4.19E-02	3.71E-02	6.01E-03	3.70E-03
536	567282.06	4216974.89	3.80E-02	3.36E-02	5.45E-03	3.35E-03
537	567287.36	4216986.56	3.61E-02	3.20E-02	5.18E-03	3.19E-03
538	567296.28	4216991.08	3.28E-02	2.90E-02	4.70E-03	2.89E-03
539	567344.51	4217006.52	2.05E-02	1.81E-02	2.94E-03	1.81E-03
540	567353.43	4217011.03	1.90E-02	1.68E-02	2.73E-03	1.68E-03
541	567451.29	4217105.55	1.01E-02	8.96E-03	1.45E-03	8.94E-04
542	567458.54	4217091.23	9.73E-03	8.61E-03	1.39E-03	8.59E-04
543	567229.97	4216946.94	8.29E-02	7.34E-02	1.19E-02	7.32E-03
544	567243.15	4216946.08	6.41E-02	5.67E-02	9.19E-03	5.66E-03
545	567251.12	4216952.11	5.67E-02	5.02E-02	8.13E-03	5.00E-03
546	567224.05	4216899.29	6.21E-02	5.49E-02	8.90E-03	5.48E-03
547	567211.98	4216887.14	6.32E-02	5.59E-02	9.06E-03	5.58E-03
548	567188.26	4216870.6	6.52E-02	5.77E-02	9.36E-03	5.76E-03
549	567180.35	4216865.08	6.42E-02	5.68E-02	9.20E-03	5.67E-03
550	567172.45	4216859.57	6.24E-02	5.52E-02	8.95E-03	5.51E-03
551	567164.54	4216854.06	6.00E-02	5.31E-02	8.60E-03	5.29E-03
552	567156.63	4216848.54	5.67E-02	5.02E-02	8.14E-03	5.01E-03
553	567148.73	4216843.03	5.27E-02	4.66E-02	7.56E-03	4.65E-03
554	567140.82	4216837.51	4.80E-02	4.25E-02	6.88E-03	4.24E-03
555	567132.91	4216832	4.28E-02	3.79E-02	6.13E-03	3.78E-03
556	567125	4216826.48	3.74E-02	3.31E-02	5.36E-03	3.30E-03
557	567229.77	4216891.09	4.86E-02	4.30E-02	6.97E-03	4.29E-03
558	567236.18	4216911.95	5.74E-02	5.08E-02	8.23E-03	5.07E-03
559	567201.89	4216867.91	5.02E-02	4.44E-02	7.20E-03	4.43E-03
560	567193.98	4216862.4	4.98E-02	4.41E-02	7.15E-03	4.40E-03
561	567186.07	4216856.88	4.89E-02	4.32E-02	7.01E-03	4.32E-03
562	567178.17	4216851.37	4.74E-02	4.19E-02	6.80E-03	4.18E-03
563	567170.26	4216845.85	4.54E-02	4.02E-02	6.51E-03	4.01E-03
564	567162.35	4216840.34	4.29E-02	3.80E-02	6.15E-03	3.79E-03
565	567154.45	4216834.82	3.99E-02	3.54E-02	5.73E-03	3.53E-03
566	567146.54	4216829.31	3.66E-02	3.24E-02	5.25E-03	3.24E-03

567	567138.63	4216823.8	3.31E-02	2.93E-02	4.75E-03	2.92E-03
568	567114.91	4216807.25	2.31E-02	2.05E-02	3.32E-03	2.04E-03
569	567235.49	4216882.89	3.93E-02	3.47E-02	5.63E-03	3.47E-03
570	567243.8	4216896.15	4.11E-02	3.63E-02	5.89E-03	3.63E-03
571	567246.06	4216910.38	4.65E-02	4.12E-02	6.67E-03	4.11E-03
572	567215.52	4216865.22	3.97E-02	3.52E-02	5.70E-03	3.51E-03
573	567207.61	4216859.71	3.99E-02	3.53E-02	5.72E-03	3.52E-03
574	567199.7	4216854.19	3.95E-02	3.50E-02	5.66E-03	3.49E-03
575	567191.8	4216848.68	3.87E-02	3.42E-02	5.55E-03	3.42E-03
576	567183.89	4216843.16	3.75E-02	3.31E-02	5.37E-03	3.31E-03
577	567175.98	4216837.65	3.59E-02	3.17E-02	5.14E-03	3.17E-03
578	567168.07	4216832.14	3.39E-02	3.00E-02	4.87E-03	3.00E-03
579	567160.17	4216826.62	3.17E-02	2.81E-02	4.55E-03	2.80E-03
580	567152.26	4216821.11	2.93E-02	2.59E-02	4.20E-03	2.59E-03
581	567128.54	4216804.56	2.19E-02	1.94E-02	3.14E-03	1.93E-03
582	567120.63	4216799.05	1.97E-02	1.74E-02	2.82E-03	1.74E-03
583	567241.21	4216874.68	3.26E-02	2.88E-02	4.67E-03	2.87E-03
584	567249.52	4216887.95	3.42E-02	3.02E-02	4.90E-03	3.02E-03
585	567255.93	4216908.82	3.87E-02	3.42E-02	5.55E-03	3.42E-03
586	567252.14	4216924.01	4.75E-02	4.21E-02	6.82E-03	4.20E-03
587	567229.14	4216862.53	3.20E-02	2.83E-02	4.59E-03	2.83E-03
588	567221.24	4216857.02	3.24E-02	2.87E-02	4.65E-03	2.86E-03
589	567213.33	4216851.51	3.26E-02	2.88E-02	4.67E-03	2.88E-03
590	567205.42	4216845.99	3.22E-02	2.85E-02	4.62E-03	2.85E-03
591	567197.52	4216840.48	3.15E-02	2.79E-02	4.52E-03	2.78E-03
592	567189.61	4216834.96	3.05E-02	2.70E-02	4.37E-03	2.69E-03
593	567181.7	4216829.45	2.92E-02	2.59E-02	4.19E-03	2.58E-03
594	567173.79	4216823.93	2.77E-02	2.45E-02	3.98E-03	2.45E-03
595	567165.89	4216818.42	2.60E-02	2.30E-02	3.73E-03	2.30E-03
596	567142.17	4216801.88	2.05E-02	1.82E-02	2.94E-03	1.81E-03
597	567134.26	4216796.36	1.87E-02	1.66E-02	2.68E-03	1.65E-03
598	567126.35	4216790.85	1.70E-02	1.51E-02	2.44E-03	1.50E-03
599	567252.75	4216875.77	2.86E-02	2.53E-02	4.11E-03	2.53E-03
600	567257.73	4216883.73	2.93E-02	2.59E-02	4.20E-03	2.58E-03
601	567262.72	4216891.69	2.97E-02	2.62E-02	4.25E-03	2.62E-03
602	567265.43	4216908.77	3.34E-02	2.96E-02	4.79E-03	2.95E-03
603	567263.15	4216917.88	3.75E-02	3.32E-02	5.38E-03	3.31E-03
604	567260.88	4216927	4.20E-02	3.71E-02	6.02E-03	3.71E-03
605	567242.77	4216859.85	2.65E-02	2.35E-02	3.81E-03	2.34E-03
606	567234.86	4216854.33	2.68E-02	2.38E-02	3.85E-03	2.37E-03
607	567226.96	4216848.82	2.71E-02	2.39E-02	3.88E-03	2.39E-03
608	567219.05	4216843.3	2.71E-02	2.40E-02	3.89E-03	2.40E-03
609	567211.14	4216837.79	2.69E-02	2.38E-02	3.86E-03	2.37E-03
610	567203.24	4216832.27	2.63E-02	2.33E-02	3.77E-03	2.32E-03
611	567195.33	4216826.76	2.54E-02	2.25E-02	3.65E-03	2.25E-03
612	567187.42	4216821.25	2.44E-02	2.16E-02	3.50E-03	2.16E-03
613	567179.51	4216815.73	2.32E-02	2.06E-02	3.33E-03	2.05E-03
614	567171.61	4216810.22	2.19E-02	1.94E-02	3.14E-03	1.94E-03
615	567147.89	4216793.67	1.77E-02	1.56E-02	2.53E-03	1.56E-03
616	567139.98	4216788.16	1.63E-02	1.44E-02	2.33E-03	1.44E-03
617	567132.07	4216782.65	1.49E-02	1.32E-02	2.14E-03	1.32E-03
618	567263.04	4216874.86	2.52E-02	2.23E-02	3.61E-03	2.22E-03

619	567272.74	4216890.35	2.58E-02	2.28E-02	3.70E-03	2.28E-03
620	567275.37	4216906.95	2.87E-02	2.54E-02	4.12E-03	2.53E-03
621	567273.16	4216915.81	3.18E-02	2.81E-02	4.56E-03	2.81E-03
622	567268.73	4216933.53	3.88E-02	3.44E-02	5.57E-03	3.43E-03
623	567248.49	4216851.64	2.28E-02	2.02E-02	3.27E-03	2.01E-03
624	567240.58	4216846.13	2.30E-02	2.03E-02	3.29E-03	2.03E-03
625	567232.68	4216840.61	2.31E-02	2.04E-02	3.31E-03	2.04E-03
626	567224.77	4216835.1	2.31E-02	2.05E-02	3.32E-03	2.04E-03
627	567216.86	4216829.59	2.28E-02	2.02E-02	3.28E-03	2.02E-03
628	567208.96	4216824.07	2.23E-02	1.97E-02	3.20E-03	1.97E-03
629	567201.05	4216818.56	2.16E-02	1.91E-02	3.10E-03	1.91E-03
630	567193.14	4216813.04	2.08E-02	1.84E-02	2.98E-03	1.84E-03
631	567185.23	4216807.53	1.98E-02	1.76E-02	2.85E-03	1.75E-03
632	567161.51	4216790.99	1.66E-02	1.47E-02	2.38E-03	1.46E-03
633	567153.61	4216785.47	1.54E-02	1.36E-02	2.21E-03	1.36E-03
634	567145.7	4216779.96	1.43E-02	1.26E-02	2.05E-03	1.26E-03
635	567137.79	4216774.44	1.32E-02	1.17E-02	1.90E-03	1.17E-03
636	567258.96	4216851.02	2.06E-02	1.82E-02	2.95E-03	1.82E-03
637	567273.21	4216873.77	2.22E-02	1.96E-02	3.18E-03	1.96E-03
638	567282.71	4216888.94	2.27E-02	2.01E-02	3.25E-03	2.00E-03
639	567285.29	4216905.2	2.50E-02	2.21E-02	3.59E-03	2.21E-03
640	567283.12	4216913.88	2.74E-02	2.43E-02	3.93E-03	2.42E-03
641	567278.79	4216931.24	3.29E-02	2.91E-02	4.72E-03	2.91E-03
642	567246.3	4216837.93	2.00E-02	1.77E-02	2.86E-03	1.76E-03
643	567238.4	4216832.41	2.00E-02	1.77E-02	2.87E-03	1.77E-03
644	567230.49	4216826.9	2.00E-02	1.77E-02	2.87E-03	1.77E-03
645	567222.58	4216821.38	1.97E-02	1.74E-02	2.82E-03	1.74E-03
646	567214.68	4216815.87	1.92E-02	1.70E-02	2.76E-03	1.70E-03
647	567206.77	4216810.36	1.87E-02	1.65E-02	2.68E-03	1.65E-03
648	567198.86	4216804.84	1.80E-02	1.59E-02	2.58E-03	1.59E-03
649	567175.14	4216788.3	1.55E-02	1.37E-02	2.22E-03	1.37E-03
650	567167.23	4216782.78	1.45E-02	1.29E-02	2.09E-03	1.28E-03
651	567159.33	4216777.27	1.36E-02	1.20E-02	1.95E-03	1.20E-03
652	567151.42	4216771.76	1.27E-02	1.12E-02	1.82E-03	1.12E-03
653	567143.51	4216766.24	1.18E-02	1.05E-02	1.69E-03	1.04E-03
654	567264.61	4216842.7	1.80E-02	1.60E-02	2.59E-03	1.59E-03
655	567283.31	4216872.56	1.97E-02	1.74E-02	2.83E-03	1.74E-03
656	567292.66	4216887.49	2.01E-02	1.78E-02	2.88E-03	1.77E-03
657	567295.2	4216903.5	2.20E-02	1.95E-02	3.15E-03	1.94E-03
658	567290.93	4216920.59	2.60E-02	2.30E-02	3.73E-03	2.30E-03
659	567252.02	4216829.72	1.75E-02	1.55E-02	2.51E-03	1.55E-03
660	567244.12	4216824.21	1.75E-02	1.55E-02	2.52E-03	1.55E-03
661	567236.21	4216818.7	1.75E-02	1.55E-02	2.50E-03	1.54E-03
662	567228.3	4216813.18	1.72E-02	1.52E-02	2.47E-03	1.52E-03
663	567220.4	4216807.67	1.68E-02	1.49E-02	2.41E-03	1.48E-03
664	567212.49	4216802.15	1.63E-02	1.44E-02	2.34E-03	1.44E-03
665	567188.77	4216785.61	1.44E-02	1.27E-02	2.06E-03	1.27E-03
666	567180.86	4216780.1	1.37E-02	1.21E-02	1.96E-03	1.21E-03
667	567172.95	4216774.58	1.29E-02	1.14E-02	1.85E-03	1.14E-03
668	567165.05	4216769.07	1.21E-02	1.07E-02	1.74E-03	1.07E-03
669	567157.14	4216763.55	1.14E-02	1.01E-02	1.63E-03	1.00E-03
670	567149.23	4216758.04	1.06E-02	9.42E-03	1.53E-03	9.40E-04

671	567270.27	4216834.41	1.59E-02	1.41E-02	2.29E-03	1.41E-03
672	567279.51	4216849.15	1.68E-02	1.49E-02	2.41E-03	1.48E-03
673	567288.74	4216863.9	1.74E-02	1.54E-02	2.50E-03	1.54E-03
674	567297.98	4216878.64	1.78E-02	1.58E-02	2.55E-03	1.57E-03
675	567305.11	4216901.82	1.94E-02	1.72E-02	2.79E-03	1.72E-03
676	567300.89	4216918.7	2.28E-02	2.02E-02	3.27E-03	2.01E-03
677	567257.74	4216821.52	1.55E-02	1.37E-02	2.22E-03	1.37E-03
678	567249.84	4216816.01	1.55E-02	1.37E-02	2.22E-03	1.37E-03
679	567241.93	4216810.49	1.54E-02	1.36E-02	2.21E-03	1.36E-03
680	567234.02	4216804.98	1.52E-02	1.34E-02	2.17E-03	1.34E-03
681	567226.12	4216799.46	1.48E-02	1.31E-02	2.13E-03	1.31E-03
682	567202.39	4216782.92	1.34E-02	1.18E-02	1.92E-03	1.18E-03
683	567194.49	4216777.41	1.28E-02	1.13E-02	1.83E-03	1.13E-03
684	567186.58	4216771.89	1.22E-02	1.08E-02	1.75E-03	1.08E-03
685	567178.67	4216766.38	1.15E-02	1.02E-02	1.66E-03	1.02E-03
686	567170.77	4216760.86	1.09E-02	9.65E-03	1.56E-03	9.63E-04
687	567162.86	4216755.35	1.03E-02	9.09E-03	1.47E-03	9.07E-04
688	567154.95	4216749.84	9.67E-03	8.55E-03	1.39E-03	8.54E-04
689	567276.45	4216826.94	1.42E-02	1.26E-02	2.04E-03	1.26E-03
690	567281.53	4216835.05	1.47E-02	1.30E-02	2.11E-03	1.30E-03
691	567286.61	4216843.16	1.51E-02	1.33E-02	2.16E-03	1.33E-03
692	567296.77	4216859.38	1.57E-02	1.39E-02	2.24E-03	1.38E-03
693	567301.85	4216867.49	1.59E-02	1.40E-02	2.27E-03	1.40E-03
694	567306.93	4216875.6	1.60E-02	1.42E-02	2.29E-03	1.41E-03
695	567312.01	4216883.71	1.61E-02	1.42E-02	2.31E-03	1.42E-03
696	567314.77	4216901.1	1.75E-02	1.55E-02	2.51E-03	1.54E-03
697	567312.45	4216910.38	1.90E-02	1.68E-02	2.72E-03	1.68E-03
698	567310.13	4216919.66	2.06E-02	1.82E-02	2.96E-03	1.82E-03
699	567303.18	4216947.52	2.62E-02	2.32E-02	3.76E-03	2.32E-03
700	567271.37	4216818.83	1.38E-02	1.22E-02	1.97E-03	1.22E-03
701	567263.46	4216813.32	1.38E-02	1.22E-02	1.98E-03	1.22E-03
702	567255.56	4216807.81	1.38E-02	1.22E-02	1.97E-03	1.22E-03
703	567247.65	4216802.29	1.37E-02	1.21E-02	1.96E-03	1.21E-03
704	567239.74	4216796.78	1.35E-02	1.19E-02	1.94E-03	1.19E-03
705	567216.02	4216780.23	1.24E-02	1.10E-02	1.78E-03	1.10E-03
706	567208.11	4216774.72	1.20E-02	1.06E-02	1.72E-03	1.06E-03
707	567200.21	4216769.21	1.15E-02	1.01E-02	1.64E-03	1.01E-03
708	567192.3	4216763.69	1.09E-02	9.69E-03	1.57E-03	9.67E-04
709	567184.39	4216758.18	1.04E-02	9.21E-03	1.49E-03	9.19E-04
710	567176.49	4216752.66	9.87E-03	8.73E-03	1.42E-03	8.72E-04
711	567168.58	4216747.15	9.34E-03	8.26E-03	1.34E-03	8.25E-04
712	567160.67	4216741.63	8.83E-03	7.81E-03	1.27E-03	7.79E-04
713	567282.08	4216818.59	1.28E-02	1.13E-02	1.83E-03	1.13E-03
714	567287.07	4216826.55	1.32E-02	1.17E-02	1.89E-03	1.16E-03
715	567292.05	4216834.52	1.35E-02	1.20E-02	1.94E-03	1.19E-03
716	567297.04	4216842.48	1.38E-02	1.22E-02	1.98E-03	1.22E-03
717	567307.02	4216858.4	1.42E-02	1.26E-02	2.04E-03	1.26E-03
718	567312	4216866.36	1.44E-02	1.27E-02	2.06E-03	1.27E-03
719	567316.99	4216874.32	1.45E-02	1.28E-02	2.08E-03	1.28E-03
720	567321.98	4216882.29	1.45E-02	1.29E-02	2.08E-03	1.28E-03
721	567324.69	4216899.36	1.57E-02	1.39E-02	2.25E-03	1.38E-03
722	567322.41	4216908.48	1.69E-02	1.50E-02	2.43E-03	1.49E-03

723	567320.14	4216917.59	1.83E-02	1.62E-02	2.62E-03	1.61E-03
724	567313.31	4216944.93	2.30E-02	2.03E-02	3.30E-03	2.03E-03
725	567311.03	4216954.05	2.47E-02	2.18E-02	3.54E-03	2.18E-03
726	567277.09	4216810.63	1.24E-02	1.09E-02	1.77E-03	1.09E-03
727	567269.19	4216805.12	1.24E-02	1.10E-02	1.77E-03	1.09E-03
728	567261.28	4216799.6	1.23E-02	1.09E-02	1.77E-03	1.09E-03
729	567253.37	4216794.09	1.22E-02	1.08E-02	1.75E-03	1.08E-03
730	567245.46	4216788.57	1.21E-02	1.07E-02	1.73E-03	1.07E-03
731	567221.74	4216772.03	1.12E-02	9.89E-03	1.60E-03	9.87E-04
732	567213.84	4216766.52	1.08E-02	9.54E-03	1.55E-03	9.52E-04
733	567205.93	4216761	1.04E-02	9.16E-03	1.49E-03	9.15E-04
734	567198.02	4216755.49	9.91E-03	8.77E-03	1.42E-03	8.75E-04
735	567190.11	4216749.97	9.45E-03	8.37E-03	1.36E-03	8.35E-04
736	567182.21	4216744.46	8.99E-03	7.96E-03	1.29E-03	7.94E-04
737	567174.3	4216738.95	8.54E-03	7.55E-03	1.22E-03	7.54E-04
738	567166.39	4216733.43	8.10E-03	7.17E-03	1.16E-03	7.15E-04
739	567287.72	4216810.27	1.15E-02	1.02E-02	1.66E-03	1.02E-03
740	567297.55	4216825.95	1.22E-02	1.08E-02	1.75E-03	1.08E-03
741	567302.46	4216833.79	1.25E-02	1.10E-02	1.79E-03	1.10E-03
742	567317.2	4216857.32	1.30E-02	1.15E-02	1.86E-03	1.15E-03
743	567327.02	4216873	1.32E-02	1.16E-02	1.89E-03	1.16E-03
744	567331.93	4216880.84	1.32E-02	1.17E-02	1.89E-03	1.17E-03
745	567334.6	4216897.66	1.41E-02	1.25E-02	2.03E-03	1.25E-03
746	567332.36	4216906.63	1.52E-02	1.34E-02	2.18E-03	1.34E-03
747	567330.12	4216915.61	1.63E-02	1.44E-02	2.34E-03	1.44E-03
748	567323.39	4216942.54	2.03E-02	1.80E-02	2.91E-03	1.79E-03
749	567321.15	4216951.51	2.17E-02	1.92E-02	3.11E-03	1.92E-03
750	567282.81	4216802.43	1.12E-02	9.89E-03	1.60E-03	9.87E-04
751	567274.91	4216796.91	1.12E-02	9.89E-03	1.60E-03	9.87E-04
752	567267	4216791.4	1.11E-02	9.84E-03	1.59E-03	9.82E-04
753	567259.09	4216785.89	1.10E-02	9.75E-03	1.58E-03	9.73E-04
754	567235.37	4216769.34	1.04E-02	9.23E-03	1.50E-03	9.21E-04
755	567227.46	4216763.83	1.01E-02	8.95E-03	1.45E-03	8.94E-04
756	567219.56	4216758.31	9.78E-03	8.65E-03	1.40E-03	8.63E-04
757	567211.65	4216752.8	9.41E-03	8.33E-03	1.35E-03	8.31E-04
758	567203.74	4216747.29	9.03E-03	7.99E-03	1.29E-03	7.97E-04
759	567195.83	4216741.77	8.63E-03	7.64E-03	1.24E-03	7.62E-04
760	567187.93	4216736.26	8.23E-03	7.29E-03	1.18E-03	7.27E-04
761	567180.02	4216730.74	7.84E-03	6.94E-03	1.12E-03	6.92E-04
762	567172.11	4216725.23	7.46E-03	6.60E-03	1.07E-03	6.59E-04
763	567293.38	4216801.97	1.05E-02	9.28E-03	1.50E-03	9.26E-04
764	567303.08	4216817.45	1.11E-02	9.79E-03	1.59E-03	9.77E-04
765	567312.78	4216832.93	1.15E-02	1.02E-02	1.65E-03	1.02E-03
766	567332.17	4216863.89	1.20E-02	1.06E-02	1.72E-03	1.06E-03
767	567341.87	4216879.37	1.20E-02	1.07E-02	1.73E-03	1.06E-03
768	567344.51	4216895.97	1.28E-02	1.14E-02	1.84E-03	1.13E-03
769	567342.29	4216904.83	1.37E-02	1.21E-02	1.97E-03	1.21E-03
770	567333.44	4216940.28	1.80E-02	1.60E-02	2.59E-03	1.59E-03
771	567329.01	4216958	2.05E-02	1.82E-02	2.94E-03	1.81E-03
772	567288.53	4216794.23	1.02E-02	9.00E-03	1.46E-03	8.98E-04
773	567280.63	4216788.71	1.01E-02	8.98E-03	1.46E-03	8.96E-04
774	567272.72	4216783.2	1.01E-02	8.93E-03	1.45E-03	8.91E-04

775	567249	4216766.65	9.72E-03	8.60E-03	1.39E-03	8.58E-04
776	567241.09	4216761.14	9.48E-03	8.39E-03	1.36E-03	8.37E-04
777	567233.18	4216755.63	9.21E-03	8.15E-03	1.32E-03	8.13E-04
778	567225.28	4216750.11	8.91E-03	7.89E-03	1.28E-03	7.87E-04
779	567217.37	4216744.6	8.60E-03	7.61E-03	1.23E-03	7.59E-04
780	567209.46	4216739.08	8.26E-03	7.31E-03	1.18E-03	7.30E-04
781	567201.55	4216733.57	7.92E-03	7.01E-03	1.14E-03	6.99E-04
782	567193.65	4216728.05	7.58E-03	6.70E-03	1.09E-03	6.69E-04
783	567185.74	4216722.54	7.24E-03	6.41E-03	1.04E-03	6.39E-04
784	567177.83	4216717.03	6.91E-03	6.11E-03	9.91E-04	6.10E-04
785	567299.05	4216793.68	9.57E-03	8.47E-03	1.37E-03	8.45E-04
786	567303.84	4216801.33	9.83E-03	8.70E-03	1.41E-03	8.68E-04
787	567313.44	4216816.65	1.03E-02	9.12E-03	1.48E-03	9.10E-04
788	567318.23	4216824.3	1.05E-02	9.29E-03	1.50E-03	9.27E-04
789	567342.21	4216862.58	1.10E-02	9.75E-03	1.58E-03	9.73E-04
790	567351.8	4216877.89	1.10E-02	9.78E-03	1.58E-03	9.76E-04
791	567354.41	4216894.31	1.17E-02	1.04E-02	1.68E-03	1.03E-03
792	567350.03	4216911.84	1.33E-02	1.17E-02	1.90E-03	1.17E-03
793	567341.27	4216946.89	1.72E-02	1.52E-02	2.47E-03	1.52E-03
794	567336.89	4216964.42	1.94E-02	1.72E-02	2.79E-03	1.72E-03
795	567286.35	4216780.51	9.26E-03	8.20E-03	1.33E-03	8.18E-04
796	567262.62	4216763.97	8.99E-03	7.96E-03	1.29E-03	7.94E-04
797	567254.72	4216758.45	8.86E-03	7.84E-03	1.27E-03	7.82E-04
798	567246.81	4216752.94	8.67E-03	7.67E-03	1.24E-03	7.66E-04
799	567238.9	4216747.42	8.43E-03	7.46E-03	1.21E-03	7.44E-04
800	567231	4216741.91	8.17E-03	7.23E-03	1.17E-03	7.21E-04
801	567223.09	4216736.4	7.89E-03	6.98E-03	1.13E-03	6.97E-04
802	567215.18	4216730.88	7.60E-03	6.72E-03	1.09E-03	6.71E-04
803	567207.27	4216725.37	7.30E-03	6.46E-03	1.05E-03	6.45E-04
804	567199.37	4216719.85	7.01E-03	6.20E-03	1.00E-03	6.19E-04
805	567191.46	4216714.34	6.71E-03	5.94E-03	9.62E-04	5.93E-04
806	567305.09	4216785.99	8.78E-03	7.77E-03	1.26E-03	7.75E-04
807	567310.2	4216794.15	9.03E-03	7.99E-03	1.30E-03	7.98E-04
808	567315.32	4216802.32	9.27E-03	8.20E-03	1.33E-03	8.18E-04
809	567320.43	4216810.48	9.49E-03	8.40E-03	1.36E-03	8.38E-04
810	567325.55	4216818.65	9.68E-03	8.56E-03	1.39E-03	8.55E-04
811	567330.66	4216826.82	9.83E-03	8.70E-03	1.41E-03	8.68E-04
812	567335.78	4216834.98	9.95E-03	8.81E-03	1.43E-03	8.79E-04
813	567346.01	4216851.31	1.01E-02	8.95E-03	1.45E-03	8.93E-04
814	567351.13	4216859.48	1.02E-02	8.98E-03	1.46E-03	8.96E-04
815	567361.8	4216902.67	1.15E-02	1.02E-02	1.65E-03	1.01E-03
816	567354.8	4216930.72	1.40E-02	1.23E-02	2.00E-03	1.23E-03
817	567352.46	4216940.07	1.49E-02	1.32E-02	2.14E-03	1.32E-03
818	567350.13	4216949.41	1.59E-02	1.41E-02	2.29E-03	1.41E-03
819	567347.79	4216958.76	1.70E-02	1.51E-02	2.44E-03	1.50E-03
820	567345.46	4216968.11	1.81E-02	1.60E-02	2.60E-03	1.60E-03
821	567299.97	4216777.82	8.52E-03	7.54E-03	1.22E-03	7.52E-04
822	567276.25	4216761.28	8.35E-03	7.39E-03	1.20E-03	7.37E-04
823	567268.34	4216755.76	8.24E-03	7.29E-03	1.18E-03	7.27E-04
824	567260.44	4216750.25	8.12E-03	7.18E-03	1.16E-03	7.17E-04
825	567252.53	4216744.74	7.96E-03	7.05E-03	1.14E-03	7.03E-04
826	567244.62	4216739.22	7.75E-03	6.86E-03	1.11E-03	6.84E-04

827	567236.72	4216733.71	7.52E-03	6.65E-03	1.08E-03	6.64E-04
828	567228.81	4216728.19	7.27E-03	6.43E-03	1.04E-03	6.42E-04
829	567220.9	4216722.68	7.02E-03	6.21E-03	1.01E-03	6.20E-04
830	567212.99	4216717.16	6.76E-03	5.98E-03	9.69E-04	5.97E-04
831	567205.09	4216711.65	6.50E-03	5.75E-03	9.32E-04	5.74E-04
832	567310.74	4216777.68	8.08E-03	7.15E-03	1.16E-03	7.14E-04
833	567315.79	4216785.73	8.30E-03	7.34E-03	1.19E-03	7.33E-04
834	567320.83	4216793.79	8.51E-03	7.53E-03	1.22E-03	7.51E-04
835	567325.88	4216801.84	8.71E-03	7.71E-03	1.25E-03	7.69E-04
836	567330.93	4216809.9	8.89E-03	7.87E-03	1.28E-03	7.85E-04
837	567335.97	4216817.96	9.04E-03	8.00E-03	1.30E-03	7.99E-04
838	567371.3	4216874.35	9.39E-03	8.31E-03	1.35E-03	8.30E-04
839	567364.83	4216928.52	1.26E-02	1.12E-02	1.81E-03	1.12E-03
840	567362.52	4216937.75	1.35E-02	1.19E-02	1.93E-03	1.19E-03
841	567360.22	4216946.97	1.44E-02	1.27E-02	2.06E-03	1.27E-03
842	567357.92	4216956.19	1.53E-02	1.35E-02	2.19E-03	1.35E-03
843	567355.61	4216965.42	1.62E-02	1.44E-02	2.33E-03	1.43E-03
844	567289.88	4216758.59	7.77E-03	6.87E-03	1.11E-03	6.86E-04
845	567281.97	4216753.08	7.69E-03	6.80E-03	1.10E-03	6.79E-04
846	567274.06	4216747.56	7.59E-03	6.72E-03	1.09E-03	6.70E-04
847	567266.16	4216742.05	7.48E-03	6.62E-03	1.07E-03	6.60E-04
848	567258.25	4216736.53	7.34E-03	6.50E-03	1.05E-03	6.48E-04
849	567250.34	4216731.02	7.15E-03	6.33E-03	1.03E-03	6.32E-04
850	567242.44	4216725.5	6.95E-03	6.15E-03	9.96E-04	6.14E-04
851	567234.53	4216719.99	6.73E-03	5.95E-03	9.65E-04	5.94E-04
852	567226.62	4216714.48	6.51E-03	5.76E-03	9.33E-04	5.74E-04
853	567218.71	4216708.96	6.28E-03	5.56E-03	9.00E-04	5.54E-04
854	567316.4	4216769.38	7.48E-03	6.62E-03	1.07E-03	6.60E-04
855	567321.39	4216777.34	7.67E-03	6.79E-03	1.10E-03	6.77E-04
856	567326.38	4216785.3	7.85E-03	6.95E-03	1.13E-03	6.93E-04
857	567366.27	4216848.99	8.69E-03	7.69E-03	1.25E-03	7.67E-04
858	567371.26	4216856.96	8.70E-03	7.70E-03	1.25E-03	7.68E-04
859	567376.25	4216864.92	8.70E-03	7.69E-03	1.25E-03	7.68E-04
860	567381.24	4216872.88	8.69E-03	7.69E-03	1.25E-03	7.68E-04
861	567383.95	4216889.95	9.14E-03	8.09E-03	1.31E-03	8.07E-04
862	567381.67	4216899.07	9.65E-03	8.54E-03	1.38E-03	8.52E-04
863	567374.84	4216926.41	1.15E-02	1.02E-02	1.65E-03	1.02E-03
864	567372.56	4216935.53	1.23E-02	1.08E-02	1.76E-03	1.08E-03
865	567370.29	4216944.64	1.30E-02	1.15E-02	1.86E-03	1.15E-03
866	567368.01	4216953.76	1.38E-02	1.22E-02	1.98E-03	1.22E-03
867	567365.73	4216962.87	1.46E-02	1.29E-02	2.10E-03	1.29E-03
868	567363.46	4216971.99	1.55E-02	1.37E-02	2.22E-03	1.37E-03
869	567358.9	4216990.22	1.72E-02	1.52E-02	2.47E-03	1.52E-03
870	567356.63	4216999.33	1.80E-02	1.60E-02	2.59E-03	1.59E-03
871	567295.6	4216750.39	7.18E-03	6.35E-03	1.03E-03	6.34E-04
872	567287.69	4216744.87	7.10E-03	6.29E-03	1.02E-03	6.27E-04
873	567279.78	4216739.36	7.01E-03	6.21E-03	1.01E-03	6.19E-04
874	567271.88	4216733.85	6.91E-03	6.12E-03	9.92E-04	6.11E-04
875	567263.97	4216728.33	6.80E-03	6.01E-03	9.74E-04	6.00E-04
876	567256.06	4216722.82	6.63E-03	5.87E-03	9.51E-04	5.85E-04
877	567248.16	4216717.3	6.45E-03	5.70E-03	9.24E-04	5.69E-04
878	567240.25	4216711.79	6.25E-03	5.53E-03	8.96E-04	5.52E-04

879	567232.34	4216706.27	6.05E-03	5.35E-03	8.67E-04	5.34E-04
880	567351.68	4216808.36	7.85E-03	6.94E-03	1.12E-03	6.93E-04
881	567361.55	4216824.12	7.99E-03	7.07E-03	1.15E-03	7.06E-04
882	567376.36	4216847.76	8.06E-03	7.14E-03	1.16E-03	7.12E-04
883	567386.23	4216863.52	8.07E-03	7.14E-03	1.16E-03	7.13E-04
884	567391.17	4216871.39	8.07E-03	7.14E-03	1.16E-03	7.12E-04
885	567393.85	4216888.29	8.47E-03	7.50E-03	1.21E-03	7.48E-04
886	567391.59	4216897.31	8.92E-03	7.89E-03	1.28E-03	7.87E-04
887	567384.84	4216924.37	1.05E-02	9.33E-03	1.51E-03	9.31E-04
888	567382.58	4216933.39	1.12E-02	9.89E-03	1.60E-03	9.87E-04
889	567380.33	4216942.41	1.18E-02	1.05E-02	1.70E-03	1.04E-03
890	567378.08	4216951.43	1.25E-02	1.11E-02	1.79E-03	1.10E-03
891	567375.82	4216960.45	1.32E-02	1.17E-02	1.90E-03	1.17E-03
892	567373.57	4216969.47	1.40E-02	1.24E-02	2.00E-03	1.23E-03
893	567371.32	4216978.49	1.48E-02	1.31E-02	2.12E-03	1.30E-03
894	567366.81	4216996.53	1.63E-02	1.44E-02	2.34E-03	1.44E-03
895	567364.56	4217005.55	1.70E-02	1.51E-02	2.44E-03	1.50E-03
896	567362.31	4217014.57	1.77E-02	1.57E-02	2.54E-03	1.56E-03
897	567309.23	4216747.7	6.72E-03	5.95E-03	9.64E-04	5.93E-04
898	567301.32	4216742.19	6.66E-03	5.90E-03	9.55E-04	5.88E-04
899	567293.41	4216736.67	6.58E-03	5.83E-03	9.44E-04	5.81E-04
900	567285.51	4216731.16	6.50E-03	5.75E-03	9.32E-04	5.74E-04
901	567277.6	4216725.64	6.41E-03	5.67E-03	9.19E-04	5.66E-04
902	567269.69	4216720.13	6.31E-03	5.59E-03	9.05E-04	5.57E-04
903	567261.78	4216714.61	6.16E-03	5.45E-03	8.84E-04	5.44E-04
904	567253.88	4216709.1	6.00E-03	5.31E-03	8.60E-04	5.30E-04
905	567245.97	4216703.59	5.83E-03	5.16E-03	8.36E-04	5.15E-04
906	567238.06	4216698.07	5.65E-03	5.00E-03	8.10E-04	4.99E-04
907	567347.3	4216784.04	7.07E-03	6.25E-03	1.01E-03	6.24E-04
908	567352.19	4216791.84	7.19E-03	6.36E-03	1.03E-03	6.35E-04
909	567361.97	4216807.46	7.37E-03	6.52E-03	1.06E-03	6.51E-04
910	567366.86	4216815.26	7.45E-03	6.59E-03	1.07E-03	6.58E-04
911	567386.42	4216846.48	7.51E-03	6.64E-03	1.08E-03	6.63E-04
912	567391.31	4216854.29	7.52E-03	6.65E-03	1.08E-03	6.64E-04
913	567401.09	4216869.9	7.51E-03	6.65E-03	1.08E-03	6.63E-04
914	567403.74	4216886.64	7.87E-03	6.97E-03	1.13E-03	6.95E-04
915	567401.51	4216895.58	8.27E-03	7.32E-03	1.19E-03	7.30E-04
916	567394.82	4216922.38	9.70E-03	8.58E-03	1.39E-03	8.56E-04
917	567392.58	4216931.32	1.02E-02	9.07E-03	1.47E-03	9.05E-04
918	567390.35	4216940.26	1.08E-02	9.58E-03	1.55E-03	9.56E-04
919	567385.89	4216958.13	1.20E-02	1.06E-02	1.72E-03	1.06E-03
920	567383.66	4216967.06	1.26E-02	1.12E-02	1.81E-03	1.12E-03
921	567381.42	4216976	1.33E-02	1.18E-02	1.91E-03	1.18E-03
922	567374.73	4217002.81	1.55E-02	1.37E-02	2.22E-03	1.37E-03
923	567314.95	4216739.5	6.26E-03	5.54E-03	8.98E-04	5.53E-04
924	567307.04	4216733.98	6.21E-03	5.49E-03	8.90E-04	5.48E-04
925	567299.13	4216728.47	6.13E-03	5.42E-03	8.79E-04	5.41E-04
926	567291.23	4216722.95	6.05E-03	5.35E-03	8.68E-04	5.34E-04
927	567283.32	4216717.44	5.98E-03	5.29E-03	8.57E-04	5.28E-04
928	567275.41	4216711.93	5.88E-03	5.21E-03	8.43E-04	5.19E-04
929	567267.5	4216706.41	5.75E-03	5.09E-03	8.24E-04	5.07E-04
930	567259.6	4216700.9	5.60E-03	4.96E-03	8.03E-04	4.95E-04

931	567251.69	4216695.38	5.45E-03	4.82E-03	7.81E-04	4.81E-04
932	567220.06	4216673.33	4.80E-03	4.24E-03	6.88E-04	4.23E-04
933	567212.15	4216667.81	4.64E-03	4.10E-03	6.65E-04	4.09E-04
934	567347.97	4216767.77	6.47E-03	5.72E-03	9.27E-04	5.71E-04
935	567357.67	4216783.25	6.70E-03	5.93E-03	9.61E-04	5.92E-04
936	567367.36	4216798.73	6.88E-03	6.08E-03	9.86E-04	6.07E-04
937	567372.21	4216806.47	6.96E-03	6.16E-03	9.97E-04	6.14E-04
938	567381.91	4216821.95	7.00E-03	6.20E-03	1.00E-03	6.18E-04
939	567391.61	4216837.43	7.02E-03	6.21E-03	1.01E-03	6.20E-04
940	567401.31	4216852.92	7.02E-03	6.21E-03	1.01E-03	6.20E-04
941	567411	4216868.4	7.01E-03	6.20E-03	1.01E-03	6.19E-04
942	567413.64	4216885	7.33E-03	6.49E-03	1.05E-03	6.47E-04
943	567411.43	4216893.86	7.69E-03	6.81E-03	1.10E-03	6.79E-04
944	567404.79	4216920.44	8.95E-03	7.92E-03	1.28E-03	7.90E-04
945	567402.57	4216929.31	9.43E-03	8.35E-03	1.35E-03	8.33E-04
946	567398.15	4216947.03	1.05E-02	9.25E-03	1.50E-03	9.23E-04
947	567395.93	4216955.89	1.10E-02	9.73E-03	1.58E-03	9.71E-04
948	567393.72	4216964.75	1.15E-02	1.02E-02	1.66E-03	1.02E-03
949	567389.29	4216982.47	1.28E-02	1.13E-02	1.83E-03	1.13E-03
950	567382.65	4217009.06	1.47E-02	1.30E-02	2.10E-03	1.29E-03
951	567380.44	4217017.92	1.52E-02	1.35E-02	2.18E-03	1.35E-03
952	567304.85	4216720.27	5.74E-03	5.08E-03	8.23E-04	5.07E-04
953	567296.95	4216714.75	5.67E-03	5.01E-03	8.12E-04	5.00E-04
954	567289.04	4216709.24	5.59E-03	4.95E-03	8.02E-04	4.94E-04
955	567281.13	4216703.72	5.50E-03	4.86E-03	7.88E-04	4.85E-04
956	567273.22	4216698.21	5.37E-03	4.76E-03	7.71E-04	4.75E-04
957	567265.32	4216692.7	5.24E-03	4.64E-03	7.52E-04	4.63E-04
958	567233.69	4216670.64	4.66E-03	4.12E-03	6.68E-04	4.11E-04
959	567225.78	4216665.12	4.52E-03	4.00E-03	6.47E-04	3.99E-04
960	567217.87	4216659.61	4.37E-03	3.87E-03	6.27E-04	3.86E-04
961	567339.37	4216736.72	5.66E-03	5.01E-03	8.12E-04	5.00E-04
962	567344.45	4216744.83	5.81E-03	5.14E-03	8.32E-04	5.13E-04
963	567354.61	4216761.04	6.07E-03	5.37E-03	8.71E-04	5.36E-04
964	567359.69	4216769.15	6.19E-03	5.48E-03	8.88E-04	5.47E-04
965	567364.77	4216777.26	6.30E-03	5.57E-03	9.03E-04	5.56E-04
966	567369.85	4216785.37	6.39E-03	5.65E-03	9.16E-04	5.64E-04
967	567374.93	4216793.48	6.49E-03	5.74E-03	9.30E-04	5.73E-04
968	567380.01	4216801.59	6.53E-03	5.78E-03	9.37E-04	5.77E-04
969	567385.09	4216809.7	6.56E-03	5.80E-03	9.40E-04	5.79E-04
970	567390.17	4216817.81	6.57E-03	5.81E-03	9.42E-04	5.80E-04
971	567400.33	4216834.02	6.59E-03	5.83E-03	9.44E-04	5.82E-04
972	567405.41	4216842.13	6.58E-03	5.82E-03	9.44E-04	5.81E-04
973	567410.49	4216850.24	6.57E-03	5.82E-03	9.43E-04	5.80E-04
974	567415.57	4216858.35	6.57E-03	5.82E-03	9.42E-04	5.80E-04
975	567420.65	4216866.46	6.57E-03	5.82E-03	9.42E-04	5.80E-04
976	567423.41	4216883.85	6.88E-03	6.09E-03	9.86E-04	6.07E-04
977	567421.09	4216893.14	7.22E-03	6.39E-03	1.03E-03	6.37E-04
978	567414.14	4216920.99	8.41E-03	7.44E-03	1.21E-03	7.42E-04
979	567411.82	4216930.27	8.87E-03	7.85E-03	1.27E-03	7.83E-04
980	567409.5	4216939.55	9.34E-03	8.27E-03	1.34E-03	8.25E-04
981	567407.18	4216948.84	9.83E-03	8.70E-03	1.41E-03	8.68E-04
982	567404.86	4216958.12	1.03E-02	9.15E-03	1.48E-03	9.13E-04

983	567402.54	4216967.4	1.09E-02	9.62E-03	1.56E-03	9.60E-04
984	567400.22	4216976.69	1.15E-02	1.01E-02	1.64E-03	1.01E-03
985	567393.27	4217004.54	1.33E-02	1.17E-02	1.90E-03	1.17E-03
986	567390.95	4217013.82	1.38E-02	1.23E-02	1.99E-03	1.22E-03
987	567334.29	4216728.61	5.51E-03	4.88E-03	7.90E-04	4.87E-04
988	567302.67	4216706.55	5.32E-03	4.71E-03	7.63E-04	4.70E-04
989	567294.76	4216701.04	5.25E-03	4.65E-03	7.53E-04	4.64E-04
990	567286.85	4216695.52	5.15E-03	4.56E-03	7.39E-04	4.55E-04
991	567278.94	4216690.01	5.04E-03	4.46E-03	7.23E-04	4.45E-04
992	567247.32	4216667.95	4.53E-03	4.01E-03	6.49E-04	4.00E-04
993	567239.41	4216662.44	4.39E-03	3.89E-03	6.30E-04	3.88E-04
994	567231.5	4216656.92	4.26E-03	3.77E-03	6.11E-04	3.76E-04
995	567223.59	4216651.41	4.13E-03	3.66E-03	5.93E-04	3.65E-04
996	567345.05	4216728.44	5.31E-03	4.70E-03	7.61E-04	4.69E-04
997	567350.08	4216736.47	5.44E-03	4.81E-03	7.80E-04	4.80E-04
998	567365.17	4216760.56	5.80E-03	5.13E-03	8.31E-04	5.12E-04
999	567370.2	4216768.59	5.90E-03	5.22E-03	8.46E-04	5.21E-04
1000	567375.23	4216776.62	5.98E-03	5.29E-03	8.58E-04	5.28E-04
1001	567380.26	4216784.66	6.09E-03	5.39E-03	8.73E-04	5.38E-04
1002	567385.29	4216792.69	6.14E-03	5.43E-03	8.80E-04	5.42E-04
1003	567390.33	4216800.72	6.17E-03	5.46E-03	8.84E-04	5.44E-04
1004	567395.36	4216808.75	6.18E-03	5.47E-03	8.87E-04	5.46E-04
1005	567400.39	4216816.78	6.19E-03	5.47E-03	8.87E-04	5.46E-04
1006	567410.45	4216832.84	6.19E-03	5.48E-03	8.88E-04	5.47E-04
1007	567415.48	4216840.88	6.18E-03	5.47E-03	8.87E-04	5.46E-04
1008	567420.51	4216848.91	6.18E-03	5.47E-03	8.86E-04	5.46E-04
1009	567425.54	4216856.94	6.18E-03	5.47E-03	8.87E-04	5.46E-04
1010	567430.57	4216864.97	6.18E-03	5.47E-03	8.86E-04	5.46E-04
1011	567433.31	4216882.2	6.45E-03	5.71E-03	9.25E-04	5.70E-04
1012	567431.01	4216891.39	6.75E-03	5.97E-03	9.68E-04	5.96E-04
1013	567428.72	4216900.59	7.07E-03	6.26E-03	1.01E-03	6.24E-04
1014	567424.12	4216918.97	7.80E-03	6.90E-03	1.12E-03	6.89E-04
1015	567421.83	4216928.17	8.21E-03	7.26E-03	1.18E-03	7.25E-04
1016	567419.53	4216937.36	8.64E-03	7.64E-03	1.24E-03	7.63E-04
1017	567417.23	4216946.56	9.06E-03	8.02E-03	1.30E-03	8.00E-04
1018	567414.94	4216955.75	9.51E-03	8.42E-03	1.36E-03	8.40E-04
1019	567412.64	4216964.95	9.98E-03	8.83E-03	1.43E-03	8.81E-04
1020	567410.34	4216974.14	1.05E-02	9.29E-03	1.51E-03	9.27E-04
1021	567408.05	4216983.34	1.10E-02	9.77E-03	1.58E-03	9.75E-04
1022	567401.16	4217010.92	1.27E-02	1.12E-02	1.82E-03	1.12E-03
1023	567398.86	4217020.12	1.32E-02	1.17E-02	1.89E-03	1.16E-03
1024	567340.01	4216720.4	5.18E-03	4.58E-03	7.42E-04	4.57E-04
1025	567332.11	4216714.89	5.15E-03	4.56E-03	7.39E-04	4.55E-04
1026	567324.2	4216709.38	5.12E-03	4.53E-03	7.34E-04	4.52E-04
1027	567300.48	4216692.83	4.93E-03	4.37E-03	7.07E-04	4.36E-04
1028	567292.57	4216687.32	4.84E-03	4.28E-03	6.94E-04	4.27E-04
1029	567260.94	4216665.26	4.39E-03	3.89E-03	6.30E-04	3.88E-04
1030	567253.04	4216659.75	4.27E-03	3.78E-03	6.13E-04	3.77E-04
1031	567245.13	4216654.23	4.15E-03	3.67E-03	5.95E-04	3.67E-04
1032	567237.22	4216648.72	4.03E-03	3.57E-03	5.79E-04	3.56E-04
1033	567229.31	4216643.2	3.92E-03	3.47E-03	5.62E-04	3.46E-04
1034	567350.72	4216720.16	4.99E-03	4.42E-03	7.16E-04	4.41E-04

1035	567355.71	4216728.13	5.11E-03	4.52E-03	7.33E-04	4.51E-04
1036	567360.7	4216736.09	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1037	567370.67	4216752.01	5.44E-03	4.82E-03	7.80E-04	4.81E-04
1038	567375.66	4216759.97	5.53E-03	4.90E-03	7.94E-04	4.89E-04
1039	567380.65	4216767.93	5.65E-03	5.00E-03	8.10E-04	4.99E-04
1040	567385.63	4216775.89	5.72E-03	5.06E-03	8.20E-04	5.05E-04
1041	567390.62	4216783.86	5.77E-03	5.11E-03	8.28E-04	5.10E-04
1042	567395.61	4216791.82	5.81E-03	5.14E-03	8.33E-04	5.13E-04
1043	567400.6	4216799.78	5.83E-03	5.16E-03	8.36E-04	5.15E-04
1044	567410.57	4216815.7	5.83E-03	5.16E-03	8.37E-04	5.15E-04
1045	567420.55	4216831.63	5.84E-03	5.17E-03	8.37E-04	5.16E-04
1046	567425.53	4216839.59	5.84E-03	5.16E-03	8.37E-04	5.15E-04
1047	567430.52	4216847.55	5.83E-03	5.16E-03	8.36E-04	5.15E-04
1048	567435.51	4216855.51	5.83E-03	5.16E-03	8.36E-04	5.15E-04
1049	567440.49	4216863.47	5.82E-03	5.15E-03	8.35E-04	5.14E-04
1050	567443.21	4216880.55	6.06E-03	5.36E-03	8.69E-04	5.35E-04
1051	567440.93	4216889.66	6.33E-03	5.60E-03	9.08E-04	5.59E-04
1052	567438.65	4216898.78	6.62E-03	5.85E-03	9.49E-04	5.84E-04
1053	567434.1	4216917.01	7.26E-03	6.43E-03	1.04E-03	6.41E-04
1054	567431.82	4216926.12	7.62E-03	6.74E-03	1.09E-03	6.73E-04
1055	567429.55	4216935.24	8.00E-03	7.08E-03	1.15E-03	7.07E-04
1056	567427.27	4216944.35	8.38E-03	7.42E-03	1.20E-03	7.40E-04
1057	567424.99	4216953.47	8.78E-03	7.77E-03	1.26E-03	7.75E-04
1058	567422.72	4216962.58	9.19E-03	8.14E-03	1.32E-03	8.12E-04
1059	567420.44	4216971.69	9.65E-03	8.54E-03	1.38E-03	8.52E-04
1060	567418.16	4216980.81	1.01E-02	8.97E-03	1.45E-03	8.95E-04
1061	567415.89	4216989.92	1.06E-02	9.41E-03	1.53E-03	9.39E-04
1062	567411.33	4217008.15	1.16E-02	1.03E-02	1.67E-03	1.03E-03
1063	567409.05	4217017.27	1.21E-02	1.07E-02	1.73E-03	1.07E-03
1064	567345.73	4216712.2	4.88E-03	4.32E-03	6.99E-04	4.31E-04
1065	567337.83	4216706.69	4.85E-03	4.29E-03	6.96E-04	4.28E-04
1066	567329.92	4216701.17	4.82E-03	4.26E-03	6.91E-04	4.25E-04
1067	567322.01	4216695.66	4.77E-03	4.22E-03	6.84E-04	4.21E-04
1068	567266.66	4216657.06	4.15E-03	3.67E-03	5.95E-04	3.66E-04
1069	567258.76	4216651.55	4.04E-03	3.57E-03	5.79E-04	3.57E-04
1070	567250.85	4216646.03	3.93E-03	3.48E-03	5.64E-04	3.47E-04
1071	567242.94	4216640.52	3.82E-03	3.38E-03	5.48E-04	3.38E-04
1072	567235.03	4216635	3.72E-03	3.29E-03	5.33E-04	3.28E-04
1073	567356.4	4216711.9	4.71E-03	4.17E-03	6.76E-04	4.16E-04
1074	567361.35	4216719.8	4.82E-03	4.26E-03	6.91E-04	4.25E-04
1075	567371.25	4216735.59	5.02E-03	4.45E-03	7.20E-04	4.44E-04
1076	567381.14	4216751.39	5.24E-03	4.64E-03	7.52E-04	4.63E-04
1077	567386.09	4216759.29	5.32E-03	4.71E-03	7.63E-04	4.70E-04
1078	567391.04	4216767.19	5.38E-03	4.76E-03	7.72E-04	4.75E-04
1079	567395.98	4216775.09	5.44E-03	4.81E-03	7.80E-04	4.80E-04
1080	567400.93	4216782.98	5.48E-03	4.85E-03	7.86E-04	4.84E-04
1081	567405.88	4216790.88	5.51E-03	4.87E-03	7.90E-04	4.86E-04
1082	567410.83	4216798.78	5.52E-03	4.88E-03	7.91E-04	4.87E-04
1083	567430.62	4216830.37	5.52E-03	4.89E-03	7.92E-04	4.88E-04
1084	567435.57	4216838.27	5.52E-03	4.88E-03	7.91E-04	4.87E-04
1085	567445.46	4216854.07	5.50E-03	4.87E-03	7.89E-04	4.86E-04
1086	567450.41	4216861.97	5.51E-03	4.87E-03	7.90E-04	4.86E-04

1087	567453.1	4216878.91	5.72E-03	5.07E-03	8.21E-04	5.05E-04
1088	567450.84	4216887.95	5.96E-03	5.27E-03	8.54E-04	5.26E-04
1089	567448.58	4216896.99	6.21E-03	5.49E-03	8.90E-04	5.48E-04
1090	567441.81	4216924.12	7.10E-03	6.28E-03	1.02E-03	6.27E-04
1091	567439.55	4216933.16	7.44E-03	6.58E-03	1.07E-03	6.57E-04
1092	567437.29	4216942.2	7.78E-03	6.88E-03	1.12E-03	6.87E-04
1093	567435.03	4216951.25	8.13E-03	7.20E-03	1.17E-03	7.18E-04
1094	567432.77	4216960.29	8.50E-03	7.52E-03	1.22E-03	7.51E-04
1095	567430.51	4216969.33	8.90E-03	7.88E-03	1.28E-03	7.86E-04
1096	567428.25	4216978.37	9.34E-03	8.26E-03	1.34E-03	8.24E-04
1097	567426	4216987.42	9.79E-03	8.66E-03	1.40E-03	8.64E-04
1098	567351.45	4216704	4.61E-03	4.08E-03	6.60E-04	4.07E-04
1099	567343.55	4216698.49	4.58E-03	4.05E-03	6.57E-04	4.04E-04
1100	567335.64	4216692.97	4.54E-03	4.02E-03	6.52E-04	4.01E-04
1101	567327.73	4216687.46	4.50E-03	3.98E-03	6.45E-04	3.97E-04
1102	567319.83	4216681.94	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1103	567280.29	4216654.37	4.03E-03	3.56E-03	5.77E-04	3.56E-04
1104	567272.38	4216648.86	3.93E-03	3.48E-03	5.63E-04	3.47E-04
1105	567264.48	4216643.34	3.83E-03	3.39E-03	5.49E-04	3.38E-04
1106	567256.57	4216637.83	3.73E-03	3.30E-03	5.34E-04	3.29E-04
1107	567248.66	4216632.31	3.63E-03	3.21E-03	5.20E-04	3.20E-04
1108	567240.75	4216626.8	3.53E-03	3.12E-03	5.06E-04	3.12E-04
1109	567362.09	4216703.64	4.46E-03	3.94E-03	6.39E-04	3.93E-04
1110	567367	4216711.48	4.55E-03	4.03E-03	6.53E-04	4.02E-04
1111	567371.91	4216719.32	4.65E-03	4.11E-03	6.66E-04	4.10E-04
1112	567381.73	4216735	4.86E-03	4.30E-03	6.98E-04	4.30E-04
1113	567396.47	4216758.53	5.08E-03	4.49E-03	7.28E-04	4.48E-04
1114	567401.38	4216766.37	5.13E-03	4.54E-03	7.36E-04	4.53E-04
1115	567411.2	4216782.05	5.20E-03	4.61E-03	7.46E-04	4.60E-04
1116	567416.12	4216789.89	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1117	567425.94	4216805.57	5.24E-03	4.64E-03	7.52E-04	4.63E-04
1118	567445.59	4216836.93	5.23E-03	4.62E-03	7.49E-04	4.61E-04
1119	567450.5	4216844.78	5.22E-03	4.62E-03	7.49E-04	4.61E-04
1120	567460.32	4216860.46	5.22E-03	4.62E-03	7.49E-04	4.61E-04
1121	567462.99	4216877.27	5.42E-03	4.79E-03	7.77E-04	4.78E-04
1122	567460.75	4216886.25	5.62E-03	4.97E-03	8.06E-04	4.96E-04
1123	567451.78	4216922.16	6.63E-03	5.87E-03	9.51E-04	5.85E-04
1124	567449.54	4216931.13	6.93E-03	6.13E-03	9.94E-04	6.12E-04
1125	567447.3	4216940.11	7.24E-03	6.41E-03	1.04E-03	6.40E-04
1126	567445.05	4216949.09	7.56E-03	6.69E-03	1.08E-03	6.67E-04
1127	567442.81	4216958.06	7.89E-03	6.98E-03	1.13E-03	6.97E-04
1128	567440.57	4216967.04	8.24E-03	7.29E-03	1.18E-03	7.27E-04
1129	567438.33	4216976.02	8.63E-03	7.63E-03	1.24E-03	7.62E-04
1130	567436.09	4216984.99	9.03E-03	7.99E-03	1.30E-03	7.98E-04
1131	567433.84	4216993.97	9.45E-03	8.36E-03	1.36E-03	8.35E-04
1132	567349.27	4216690.28	4.33E-03	3.83E-03	6.21E-04	3.82E-04
1133	567341.36	4216684.77	4.29E-03	3.80E-03	6.15E-04	3.79E-04
1134	567333.45	4216679.25	4.25E-03	3.76E-03	6.09E-04	3.75E-04
1135	567325.55	4216673.74	4.20E-03	3.72E-03	6.03E-04	3.71E-04
1136	567293.92	4216651.68	3.90E-03	3.45E-03	5.60E-04	3.45E-04
1137	567286.01	4216646.17	3.82E-03	3.38E-03	5.47E-04	3.37E-04
1138	567278.1	4216640.65	3.72E-03	3.30E-03	5.34E-04	3.29E-04

1139	567270.2	4216635.14	3.63E-03	3.21E-03	5.21E-04	3.21E-04
1140	567262.29	4216629.63	3.54E-03	3.13E-03	5.08E-04	3.13E-04
1141	567254.38	4216624.11	3.45E-03	3.05E-03	4.95E-04	3.05E-04
1142	567246.48	4216618.6	3.36E-03	2.97E-03	4.82E-04	2.97E-04
1143	567368	4216695.74	4.22E-03	3.74E-03	6.05E-04	3.73E-04
1144	567373.1	4216703.88	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1145	567378.2	4216712.02	4.41E-03	3.90E-03	6.32E-04	3.89E-04
1146	567383.3	4216720.17	4.53E-03	4.01E-03	6.50E-04	4.00E-04
1147	567388.4	4216728.31	4.62E-03	4.09E-03	6.62E-04	4.08E-04
1148	567398.6	4216744.59	4.76E-03	4.22E-03	6.83E-04	4.21E-04
1149	567403.7	4216752.74	4.82E-03	4.27E-03	6.91E-04	4.26E-04
1150	567408.8	4216760.88	4.87E-03	4.31E-03	6.98E-04	4.30E-04
1151	567413.9	4216769.02	4.91E-03	4.34E-03	7.04E-04	4.33E-04
1152	567419	4216777.16	4.94E-03	4.37E-03	7.09E-04	4.36E-04
1153	567424.1	4216785.31	4.97E-03	4.40E-03	7.13E-04	4.39E-04
1154	567429.2	4216793.45	4.98E-03	4.41E-03	7.14E-04	4.40E-04
1155	567434.31	4216801.59	4.98E-03	4.41E-03	7.14E-04	4.40E-04
1156	567449.61	4216826.02	4.97E-03	4.40E-03	7.13E-04	4.39E-04
1157	567454.71	4216834.16	4.97E-03	4.40E-03	7.13E-04	4.39E-04
1158	567459.81	4216842.3	4.96E-03	4.39E-03	7.12E-04	4.38E-04
1159	567464.91	4216850.45	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1160	567470.01	4216858.59	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1161	567472.78	4216876.05	5.14E-03	4.55E-03	7.37E-04	4.54E-04
1162	567470.45	4216885.37	5.33E-03	4.72E-03	7.65E-04	4.71E-04
1163	567468.13	4216894.7	5.54E-03	4.90E-03	7.94E-04	4.89E-04
1164	567465.8	4216904.02	5.76E-03	5.10E-03	8.26E-04	5.09E-04
1165	567458.81	4216931.98	6.57E-03	5.81E-03	9.42E-04	5.80E-04
1166	567456.48	4216941.3	6.86E-03	6.07E-03	9.84E-04	6.06E-04
1167	567454.16	4216950.63	7.17E-03	6.34E-03	1.03E-03	6.33E-04
1168	567451.83	4216959.95	7.49E-03	6.63E-03	1.07E-03	6.62E-04
1169	567449.5	4216969.27	7.83E-03	6.93E-03	1.12E-03	6.91E-04
1170	567447.17	4216978.59	8.20E-03	7.25E-03	1.18E-03	7.24E-04
1171	567444.84	4216987.91	8.58E-03	7.60E-03	1.23E-03	7.58E-04
1172	567362.9	4216687.6	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1173	567354.99	4216682.08	4.09E-03	3.62E-03	5.87E-04	3.61E-04
1174	567347.08	4216676.57	4.06E-03	3.59E-03	5.82E-04	3.58E-04
1175	567339.17	4216671.05	4.02E-03	3.56E-03	5.76E-04	3.55E-04
1176	567307.55	4216649	3.78E-03	3.34E-03	5.42E-04	3.34E-04
1177	567299.64	4216643.48	3.70E-03	3.28E-03	5.31E-04	3.27E-04
1178	567291.73	4216637.97	3.62E-03	3.20E-03	5.19E-04	3.20E-04
1179	567283.82	4216632.45	3.54E-03	3.13E-03	5.07E-04	3.12E-04
1180	567275.92	4216626.94	3.45E-03	3.06E-03	4.95E-04	3.05E-04
1181	567268.01	4216621.42	3.37E-03	2.98E-03	4.83E-04	2.98E-04
1182	567260.1	4216615.91	3.29E-03	2.91E-03	4.71E-04	2.90E-04
1183	567252.2	4216610.4	3.20E-03	2.83E-03	4.59E-04	2.83E-04
1184	567373.68	4216687.47	4.00E-03	3.54E-03	5.73E-04	3.53E-04
1185	567378.73	4216695.55	4.09E-03	3.62E-03	5.86E-04	3.61E-04
1186	567383.79	4216703.62	4.17E-03	3.69E-03	5.99E-04	3.69E-04
1187	567388.85	4216711.7	4.26E-03	3.77E-03	6.11E-04	3.76E-04
1188	567393.91	4216719.78	4.38E-03	3.87E-03	6.27E-04	3.86E-04
1189	567398.97	4216727.85	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1190	567409.09	4216744.01	4.57E-03	4.04E-03	6.55E-04	4.03E-04

1191	567414.15	4216752.09	4.61E-03	4.08E-03	6.61E-04	4.07E-04
1192	567419.21	4216760.16	4.65E-03	4.12E-03	6.67E-04	4.11E-04
1193	567424.27	4216768.24	4.69E-03	4.15E-03	6.72E-04	4.14E-04
1194	567429.33	4216776.32	4.71E-03	4.17E-03	6.76E-04	4.16E-04
1195	567434.39	4216784.39	4.74E-03	4.19E-03	6.79E-04	4.18E-04
1196	567439.45	4216792.47	4.74E-03	4.20E-03	6.80E-04	4.19E-04
1197	567444.51	4216800.55	4.74E-03	4.20E-03	6.80E-04	4.19E-04
1198	567459.69	4216824.78	4.74E-03	4.19E-03	6.79E-04	4.18E-04
1199	567464.75	4216832.85	4.73E-03	4.19E-03	6.79E-04	4.18E-04
1200	567469.81	4216840.93	4.72E-03	4.18E-03	6.77E-04	4.17E-04
1201	567474.87	4216849.01	4.72E-03	4.17E-03	6.76E-04	4.17E-04
1202	567479.93	4216857.09	4.71E-03	4.17E-03	6.75E-04	4.16E-04
1203	567482.68	4216874.41	4.87E-03	4.31E-03	6.98E-04	4.30E-04
1204	567480.37	4216883.66	5.05E-03	4.47E-03	7.24E-04	4.46E-04
1205	567478.06	4216892.9	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1206	567475.75	4216902.15	5.43E-03	4.80E-03	7.78E-04	4.79E-04
1207	567468.82	4216929.89	6.15E-03	5.44E-03	8.81E-04	5.43E-04
1208	567466.51	4216939.14	6.42E-03	5.68E-03	9.20E-04	5.67E-04
1209	567464.2	4216948.38	6.69E-03	5.92E-03	9.60E-04	5.91E-04
1210	567461.89	4216957.63	6.99E-03	6.18E-03	1.00E-03	6.17E-04
1211	567459.58	4216966.88	7.30E-03	6.46E-03	1.05E-03	6.44E-04
1212	567457.27	4216976.12	7.63E-03	6.75E-03	1.09E-03	6.74E-04
1213	567454.96	4216985.37	7.98E-03	7.06E-03	1.14E-03	7.05E-04
1214	567452.65	4216994.62	8.34E-03	7.38E-03	1.20E-03	7.36E-04
1215	567368.62	4216679.39	3.90E-03	3.45E-03	5.60E-04	3.45E-04
1216	567360.71	4216673.88	3.88E-03	3.43E-03	5.56E-04	3.42E-04
1217	567352.8	4216668.36	3.84E-03	3.40E-03	5.51E-04	3.39E-04
1218	567321.17	4216646.31	3.66E-03	3.24E-03	5.24E-04	3.23E-04
1219	567313.27	4216640.79	3.59E-03	3.18E-03	5.15E-04	3.17E-04
1220	567305.36	4216635.28	3.52E-03	3.11E-03	5.04E-04	3.11E-04
1221	567297.45	4216629.76	3.44E-03	3.05E-03	4.94E-04	3.04E-04
1222	567289.54	4216624.25	3.37E-03	2.98E-03	4.83E-04	2.97E-04
1223	567281.64	4216618.74	3.29E-03	2.91E-03	4.72E-04	2.91E-04
1224	567273.73	4216613.22	3.21E-03	2.84E-03	4.61E-04	2.84E-04
1225	567265.82	4216607.71	3.14E-03	2.77E-03	4.50E-04	2.77E-04
1226	567257.92	4216602.19	3.06E-03	2.71E-03	4.38E-04	2.70E-04
1227	567379.36	4216679.21	3.80E-03	3.36E-03	5.44E-04	3.35E-04
1228	567384.38	4216687.22	3.88E-03	3.43E-03	5.56E-04	3.43E-04
1229	567389.4	4216695.24	3.96E-03	3.51E-03	5.68E-04	3.50E-04
1230	567394.42	4216703.26	4.04E-03	3.58E-03	5.80E-04	3.57E-04
1231	567399.45	4216711.27	4.12E-03	3.64E-03	5.91E-04	3.64E-04
1232	567404.47	4216719.29	4.22E-03	3.74E-03	6.05E-04	3.73E-04
1233	567409.49	4216727.31	4.28E-03	3.79E-03	6.14E-04	3.78E-04
1234	567419.53	4216743.34	4.38E-03	3.88E-03	6.28E-04	3.87E-04
1235	567424.56	4216751.36	4.42E-03	3.91E-03	6.34E-04	3.90E-04
1236	567429.58	4216759.38	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1237	567434.6	4216767.39	4.48E-03	3.96E-03	6.42E-04	3.96E-04
1238	567439.62	4216775.41	4.50E-03	3.98E-03	6.46E-04	3.97E-04
1239	567444.64	4216783.43	4.52E-03	4.00E-03	6.48E-04	3.99E-04
1240	567449.67	4216791.44	4.52E-03	4.00E-03	6.49E-04	3.99E-04
1241	567454.69	4216799.46	4.52E-03	4.00E-03	6.49E-04	3.99E-04
1242	567464.73	4216815.49	4.52E-03	4.00E-03	6.48E-04	3.99E-04

1243	567469.75	4216823.51	4.52E-03	4.00E-03	6.48E-04	3.99E-04
1244	567474.78	4216831.53	4.51E-03	3.99E-03	6.47E-04	3.98E-04
1245	567479.8	4216839.54	4.50E-03	3.98E-03	6.46E-04	3.98E-04
1246	567484.82	4216847.56	4.49E-03	3.97E-03	6.44E-04	3.97E-04
1247	567489.84	4216855.58	4.48E-03	3.97E-03	6.43E-04	3.96E-04
1248	567492.57	4216872.77	4.62E-03	4.09E-03	6.62E-04	4.08E-04
1249	567490.28	4216881.95	4.78E-03	4.23E-03	6.86E-04	4.22E-04
1250	567487.99	4216891.13	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1251	567485.69	4216900.31	5.14E-03	4.55E-03	7.37E-04	4.54E-04
1252	567483.4	4216909.48	5.33E-03	4.72E-03	7.65E-04	4.71E-04
1253	567476.52	4216937.02	6.02E-03	5.32E-03	8.63E-04	5.31E-04
1254	567474.23	4216946.2	6.27E-03	5.54E-03	8.99E-04	5.53E-04
1255	567471.94	4216955.37	6.53E-03	5.78E-03	9.37E-04	5.77E-04
1256	567469.65	4216964.55	6.81E-03	6.03E-03	9.77E-04	6.02E-04
1257	567467.35	4216973.73	7.11E-03	6.29E-03	1.02E-03	6.28E-04
1258	567465.06	4216982.91	7.43E-03	6.57E-03	1.06E-03	6.56E-04
1259	567462.77	4216992.09	7.75E-03	6.86E-03	1.11E-03	6.85E-04
1260	567460.48	4217001.26	8.09E-03	7.16E-03	1.16E-03	7.15E-04
1261	567374.34	4216671.19	3.71E-03	3.28E-03	5.32E-04	3.27E-04
1262	567366.43	4216665.68	3.68E-03	3.26E-03	5.28E-04	3.25E-04
1263	567334.8	4216643.62	3.52E-03	3.12E-03	5.05E-04	3.11E-04
1264	567326.89	4216638.1	3.48E-03	3.08E-03	4.98E-04	3.07E-04
1265	567318.99	4216632.59	3.41E-03	3.02E-03	4.90E-04	3.01E-04
1266	567311.08	4216627.08	3.35E-03	2.96E-03	4.80E-04	2.96E-04
1267	567303.17	4216621.56	3.28E-03	2.90E-03	4.70E-04	2.90E-04
1268	567295.26	4216616.05	3.21E-03	2.84E-03	4.60E-04	2.83E-04
1269	567287.36	4216610.53	3.14E-03	2.78E-03	4.50E-04	2.77E-04
1270	567279.45	4216605.02	3.07E-03	2.71E-03	4.40E-04	2.71E-04
1271	567271.54	4216599.5	2.99E-03	2.65E-03	4.29E-04	2.64E-04
1272	567263.64	4216593.99	2.92E-03	2.59E-03	4.19E-04	2.58E-04
1273	567385.04	4216670.95	3.61E-03	3.19E-03	5.18E-04	3.19E-04
1274	567390.03	4216678.91	3.69E-03	3.27E-03	5.29E-04	3.26E-04
1275	567395.02	4216686.87	3.77E-03	3.34E-03	5.40E-04	3.33E-04
1276	567400.01	4216694.83	3.84E-03	3.40E-03	5.51E-04	3.40E-04
1277	567404.99	4216702.8	3.92E-03	3.46E-03	5.61E-04	3.46E-04
1278	567409.98	4216710.76	3.98E-03	3.52E-03	5.71E-04	3.52E-04
1279	567429.93	4216742.6	4.20E-03	3.72E-03	6.03E-04	3.71E-04
1280	567434.92	4216750.57	4.23E-03	3.75E-03	6.07E-04	3.74E-04
1281	567439.9	4216758.53	4.26E-03	3.77E-03	6.11E-04	3.76E-04
1282	567444.89	4216766.49	4.29E-03	3.79E-03	6.15E-04	3.78E-04
1283	567449.88	4216774.45	4.30E-03	3.81E-03	6.17E-04	3.80E-04
1284	567454.87	4216782.41	4.31E-03	3.82E-03	6.19E-04	3.81E-04
1285	567459.85	4216790.37	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1286	567464.84	4216798.33	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1287	567474.82	4216814.26	4.32E-03	3.82E-03	6.19E-04	3.81E-04
1288	567479.8	4216822.22	4.31E-03	3.82E-03	6.18E-04	3.81E-04
1289	567484.79	4216830.18	4.31E-03	3.81E-03	6.17E-04	3.80E-04
1290	567489.78	4216838.14	4.30E-03	3.80E-03	6.16E-04	3.79E-04
1291	567494.77	4216846.1	4.28E-03	3.79E-03	6.14E-04	3.78E-04
1292	567493.36	4216907.6	5.04E-03	4.46E-03	7.23E-04	4.45E-04
1293	567484.25	4216944.06	5.89E-03	5.21E-03	8.45E-04	5.20E-04
1294	567481.97	4216953.17	6.13E-03	5.43E-03	8.79E-04	5.41E-04

1295	567479.7	4216962.29	6.39E-03	5.65E-03	9.16E-04	5.64E-04
1296	567477.42	4216971.4	6.65E-03	5.89E-03	9.54E-04	5.88E-04
1297	567475.14	4216980.52	6.93E-03	6.14E-03	9.94E-04	6.12E-04
1298	567472.87	4216989.63	7.23E-03	6.40E-03	1.04E-03	6.38E-04
1299	567470.59	4216998.75	7.54E-03	6.67E-03	1.08E-03	6.66E-04
1300	567380.06	4216662.99	3.53E-03	3.12E-03	5.06E-04	3.11E-04
1301	567340.52	4216635.42	3.35E-03	2.96E-03	4.80E-04	2.96E-04
1302	567332.61	4216629.9	3.31E-03	2.93E-03	4.74E-04	2.92E-04
1303	567324.71	4216624.39	3.25E-03	2.88E-03	4.66E-04	2.87E-04
1304	567316.8	4216618.87	3.19E-03	2.82E-03	4.58E-04	2.82E-04
1305	567308.89	4216613.36	3.13E-03	2.77E-03	4.48E-04	2.76E-04
1306	567300.98	4216607.85	3.06E-03	2.71E-03	4.39E-04	2.70E-04
1307	567293.08	4216602.33	2.99E-03	2.65E-03	4.29E-04	2.64E-04
1308	567285.17	4216596.82	2.93E-03	2.59E-03	4.20E-04	2.59E-04
1309	567277.26	4216591.3	2.86E-03	2.53E-03	4.10E-04	2.53E-04
1310	567269.36	4216585.79	2.80E-03	2.47E-03	4.01E-04	2.47E-04
1311	567390.73	4216662.7	3.44E-03	3.04E-03	4.93E-04	3.04E-04
1312	567395.69	4216670.61	3.51E-03	3.11E-03	5.04E-04	3.10E-04
1313	567400.64	4216678.52	3.59E-03	3.17E-03	5.14E-04	3.17E-04
1314	567405.6	4216686.43	3.66E-03	3.24E-03	5.25E-04	3.23E-04
1315	567410.55	4216694.34	3.73E-03	3.30E-03	5.34E-04	3.29E-04
1316	567420.46	4216710.16	3.84E-03	3.40E-03	5.51E-04	3.39E-04
1317	567425.42	4216718.07	3.92E-03	3.47E-03	5.63E-04	3.47E-04
1318	567435.33	4216733.89	4.00E-03	3.54E-03	5.74E-04	3.53E-04
1319	567440.29	4216741.8	4.03E-03	3.57E-03	5.78E-04	3.56E-04
1320	567450.2	4216757.62	4.09E-03	3.62E-03	5.86E-04	3.61E-04
1321	567455.15	4216765.53	4.11E-03	3.63E-03	5.89E-04	3.63E-04
1322	567460.11	4216773.44	4.12E-03	3.64E-03	5.91E-04	3.64E-04
1323	567465.06	4216781.35	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1324	567470.02	4216789.26	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1325	567474.97	4216797.18	4.13E-03	3.65E-03	5.92E-04	3.64E-04
1326	567484.88	4216813	4.13E-03	3.65E-03	5.92E-04	3.64E-04
1327	567489.84	4216820.91	4.12E-03	3.65E-03	5.91E-04	3.64E-04
1328	567494.79	4216828.82	4.11E-03	3.64E-03	5.90E-04	3.63E-04
1329	567492	4216951.02	5.77E-03	5.11E-03	8.27E-04	5.09E-04
1330	567489.73	4216960.08	6.00E-03	5.31E-03	8.61E-04	5.30E-04
1331	567487.47	4216969.13	6.25E-03	5.53E-03	8.96E-04	5.52E-04
1332	567485.21	4216978.19	6.50E-03	5.75E-03	9.32E-04	5.74E-04
1333	567482.95	4216987.25	6.77E-03	5.99E-03	9.71E-04	5.98E-04
1334	567480.68	4216996.3	7.04E-03	6.23E-03	1.01E-03	6.22E-04
1335	567478.42	4217005.36	7.34E-03	6.50E-03	1.05E-03	6.48E-04
1336	567354.15	4216632.73	3.23E-03	2.86E-03	4.63E-04	2.85E-04
1337	567346.24	4216627.21	3.19E-03	2.83E-03	4.58E-04	2.82E-04
1338	567338.33	4216621.7	3.16E-03	2.79E-03	4.52E-04	2.79E-04
1339	567330.43	4216616.19	3.10E-03	2.75E-03	4.45E-04	2.74E-04
1340	567322.52	4216610.67	3.05E-03	2.69E-03	4.37E-04	2.69E-04
1341	567314.61	4216605.16	2.99E-03	2.64E-03	4.28E-04	2.64E-04
1342	567306.7	4216599.64	2.93E-03	2.59E-03	4.19E-04	2.58E-04
1343	567298.8	4216594.13	2.86E-03	2.53E-03	4.11E-04	2.53E-04
1344	567290.89	4216588.61	2.80E-03	2.48E-03	4.02E-04	2.47E-04
1345	567282.98	4216583.1	2.74E-03	2.42E-03	3.93E-04	2.42E-04
1346	567275.08	4216577.59	2.68E-03	2.37E-03	3.84E-04	2.36E-04

1347	567103.47	4216803.66	2.14E-02	1.89E-02	3.07E-03	1.89E-03
1348	567103.47	4216793.66	1.77E-02	1.57E-02	2.54E-03	1.56E-03
1349	567104.9	4216784.11	1.51E-02	1.34E-02	2.17E-03	1.34E-03
1350	567104.61	4216774.02	1.30E-02	1.15E-02	1.87E-03	1.15E-03
1351	567118.34	4216778.33	1.39E-02	1.23E-02	2.00E-03	1.23E-03
1352	567104.42	4216763.96	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1353	567117.77	4216768.15	1.21E-02	1.07E-02	1.73E-03	1.07E-03
1354	567089.85	4216761.86	1.11E-02	9.79E-03	1.59E-03	9.77E-04
1355	567104.29	4216753.91	1.01E-02	8.91E-03	1.44E-03	8.89E-04
1356	567117.36	4216758.02	1.06E-02	9.39E-03	1.52E-03	9.37E-04
1357	567130.44	4216762.13	1.12E-02	9.91E-03	1.61E-03	9.89E-04
1358	567089.85	4216751.86	9.80E-03	8.67E-03	1.40E-03	8.65E-04
1359	567105.1	4216744.17	9.01E-03	7.97E-03	1.29E-03	7.96E-04
1360	567119.81	4216748.79	9.53E-03	8.43E-03	1.37E-03	8.41E-04
1361	567134.52	4216753.42	1.01E-02	8.92E-03	1.44E-03	8.90E-04
1362	567089.85	4216741.86	8.75E-03	7.74E-03	1.25E-03	7.73E-04
1363	567104.9	4216734.11	8.10E-03	7.17E-03	1.16E-03	7.15E-04
1364	567119.2	4216738.6	8.52E-03	7.54E-03	1.22E-03	7.53E-04
1365	567133.5	4216743.09	8.97E-03	7.94E-03	1.29E-03	7.92E-04
1366	567132.71	4216732.85	8.06E-03	7.13E-03	1.16E-03	7.11E-04
1367	567146.69	4216737.24	8.44E-03	7.47E-03	1.21E-03	7.45E-04
1368	567145.8	4216726.96	7.61E-03	6.74E-03	1.09E-03	6.72E-04
1369	567089.85	4216711.86	6.52E-03	5.77E-03	9.35E-04	5.76E-04
1370	567105.19	4216704.2	6.12E-03	5.41E-03	8.77E-04	5.40E-04
1371	567089.85	4216701.86	5.98E-03	5.29E-03	8.58E-04	5.28E-04
1372	567105.03	4216694.15	5.63E-03	4.98E-03	8.07E-04	4.97E-04
1373	567119.59	4216698.72	5.87E-03	5.19E-03	8.41E-04	5.18E-04
1374	567134.15	4216703.3	6.13E-03	5.42E-03	8.79E-04	5.41E-04
1375	567089.85	4216691.86	5.51E-03	4.87E-03	7.90E-04	4.86E-04
1376	567104.9	4216684.11	5.20E-03	4.60E-03	7.46E-04	4.59E-04
1377	567119.2	4216688.6	5.41E-03	4.78E-03	7.75E-04	4.77E-04
1378	567133.5	4216693.09	5.63E-03	4.98E-03	8.08E-04	4.97E-04
1379	567147.8	4216697.59	5.87E-03	5.19E-03	8.41E-04	5.18E-04
1380	567089.85	4216681.86	5.09E-03	4.51E-03	7.30E-04	4.50E-04
1381	567104.79	4216674.07	4.82E-03	4.27E-03	6.92E-04	4.26E-04
1382	567118.87	4216678.5	5.00E-03	4.43E-03	7.18E-04	4.42E-04
1383	567132.95	4216682.92	5.20E-03	4.60E-03	7.45E-04	4.59E-04
1384	567147.03	4216687.35	5.40E-03	4.78E-03	7.74E-04	4.77E-04
1385	567161.11	4216691.77	5.60E-03	4.95E-03	8.03E-04	4.94E-04
1386	567089.85	4216671.86	4.73E-03	4.18E-03	6.78E-04	4.17E-04
1387	567105.23	4216664.21	4.50E-03	3.98E-03	6.45E-04	3.97E-04
1388	567120.19	4216668.91	4.67E-03	4.13E-03	6.69E-04	4.12E-04
1389	567135.15	4216673.61	4.85E-03	4.29E-03	6.95E-04	4.28E-04
1390	567150.11	4216678.31	5.04E-03	4.46E-03	7.22E-04	4.45E-04
1391	567165.07	4216683.02	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1392	567180.03	4216687.72	5.42E-03	4.79E-03	7.77E-04	4.78E-04
1393	567089.85	4216661.86	4.40E-03	3.90E-03	6.31E-04	3.89E-04
1394	567105.1	4216654.17	4.20E-03	3.71E-03	6.02E-04	3.70E-04
1395	567119.81	4216658.79	4.35E-03	3.85E-03	6.23E-04	3.84E-04
1396	567134.52	4216663.42	4.51E-03	3.99E-03	6.46E-04	3.98E-04
1397	567149.23	4216668.04	4.67E-03	4.13E-03	6.70E-04	4.12E-04
1398	567163.94	4216672.66	4.84E-03	4.28E-03	6.94E-04	4.27E-04

1399	567178.65	4216677.28	5.00E-03	4.43E-03	7.18E-04	4.42E-04
1400	567089.85	4216651.86	4.12E-03	3.64E-03	5.90E-04	3.63E-04
1401	567105	4216644.14	3.93E-03	3.47E-03	5.63E-04	3.47E-04
1402	567119.49	4216648.69	4.06E-03	3.59E-03	5.82E-04	3.59E-04
1403	567133.98	4216653.24	4.20E-03	3.72E-03	6.02E-04	3.71E-04
1404	567148.47	4216657.8	4.35E-03	3.85E-03	6.23E-04	3.84E-04
1405	567162.96	4216662.35	4.49E-03	3.98E-03	6.45E-04	3.97E-04
1406	567177.45	4216666.91	4.64E-03	4.11E-03	6.66E-04	4.10E-04
1407	567191.94	4216671.46	4.79E-03	4.24E-03	6.87E-04	4.23E-04
1408	567089.85	4216641.86	3.86E-03	3.41E-03	5.53E-04	3.41E-04
1409	567104.9	4216634.11	3.69E-03	3.26E-03	5.29E-04	3.25E-04
1410	567119.2	4216638.6	3.80E-03	3.37E-03	5.45E-04	3.36E-04
1411	567133.5	4216643.09	3.93E-03	3.48E-03	5.63E-04	3.47E-04
1412	567147.8	4216647.59	4.06E-03	3.59E-03	5.82E-04	3.58E-04
1413	567162.1	4216652.08	4.19E-03	3.71E-03	6.01E-04	3.70E-04
1414	567176.4	4216656.58	4.32E-03	3.83E-03	6.20E-04	3.82E-04
1415	567190.7	4216661.07	4.46E-03	3.94E-03	6.39E-04	3.93E-04
1416	567089.85	4216631.86	3.62E-03	3.21E-03	5.20E-04	3.20E-04
1417	567105.26	4216624.22	3.47E-03	3.07E-03	4.98E-04	3.07E-04
1418	567120.27	4216628.94	3.59E-03	3.17E-03	5.14E-04	3.17E-04
1419	567135.29	4216633.66	3.70E-03	3.28E-03	5.31E-04	3.27E-04
1420	567150.3	4216638.38	3.83E-03	3.39E-03	5.49E-04	3.38E-04
1421	567165.32	4216643.09	3.96E-03	3.50E-03	5.67E-04	3.49E-04
1422	567180.34	4216647.81	4.08E-03	3.61E-03	5.85E-04	3.61E-04
1423	567089.85	4216621.86	3.41E-03	3.02E-03	4.89E-04	3.01E-04
1424	567105.15	4216614.19	3.28E-03	2.90E-03	4.70E-04	2.89E-04
1425	567119.96	4216618.84	3.38E-03	2.99E-03	4.85E-04	2.98E-04
1426	567134.76	4216623.49	3.48E-03	3.08E-03	5.00E-04	3.08E-04
1427	567149.57	4216628.14	3.59E-03	3.18E-03	5.15E-04	3.17E-04
1428	567164.37	4216632.8	3.71E-03	3.28E-03	5.32E-04	3.28E-04
1429	567179.18	4216637.45	3.82E-03	3.38E-03	5.48E-04	3.38E-04
1430	567208.79	4216646.75	4.04E-03	3.57E-03	5.79E-04	3.56E-04
1431	567119.68	4216608.75	3.19E-03	2.82E-03	4.58E-04	2.82E-04
1432	567134.3	4216613.34	3.29E-03	2.91E-03	4.71E-04	2.90E-04
1433	567148.91	4216617.94	3.39E-03	3.00E-03	4.85E-04	2.99E-04
1434	567163.53	4216622.53	3.49E-03	3.09E-03	5.00E-04	3.08E-04
1435	567178.15	4216627.13	3.59E-03	3.18E-03	5.15E-04	3.17E-04
1436	567207.39	4216636.31	3.78E-03	3.35E-03	5.42E-04	3.34E-04
1437	567104.98	4216594.13	2.93E-03	2.60E-03	4.21E-04	2.59E-04
1438	567148.33	4216607.75	3.20E-03	2.83E-03	4.58E-04	2.82E-04
1439	567162.78	4216612.3	3.29E-03	2.91E-03	4.71E-04	2.90E-04
1440	567177.23	4216616.84	3.38E-03	2.99E-03	4.84E-04	2.98E-04
1441	567206.13	4216625.92	3.55E-03	3.14E-03	5.09E-04	3.14E-04
1442	567220.58	4216630.46	3.64E-03	3.22E-03	5.22E-04	3.21E-04
1443	567089.85	4216591.86	2.89E-03	2.55E-03	4.14E-04	2.55E-04
1444	567105.28	4216584.23	2.78E-03	2.46E-03	3.99E-04	2.46E-04
1445	567120.33	4216588.96	2.87E-03	2.54E-03	4.11E-04	2.53E-04
1446	567165.49	4216603.15	3.12E-03	2.76E-03	4.48E-04	2.76E-04
1447	567195.6	4216612.61	3.29E-03	2.91E-03	4.72E-04	2.91E-04
1448	567210.65	4216617.34	3.38E-03	2.99E-03	4.84E-04	2.98E-04
1449	567225.7	4216622.07	3.46E-03	3.06E-03	4.96E-04	3.05E-04
1450	567089.85	4216581.86	2.74E-03	2.42E-03	3.93E-04	2.42E-04

1451	567105.19	4216574.2	2.65E-03	2.34E-03	3.79E-04	2.34E-04
1452	567120.06	4216578.87	2.72E-03	2.41E-03	3.90E-04	2.40E-04
1453	567134.93	4216583.54	2.80E-03	2.48E-03	4.02E-04	2.47E-04
1454	567194.42	4216602.24	3.11E-03	2.75E-03	4.46E-04	2.75E-04
1455	567209.29	4216606.91	3.18E-03	2.82E-03	4.57E-04	2.81E-04
1456	567224.17	4216611.59	3.26E-03	2.88E-03	4.67E-04	2.88E-04
1457	567089.85	4216571.86	2.61E-03	2.31E-03	3.74E-04	2.30E-04
1458	567105.1	4216564.17	2.52E-03	2.23E-03	3.61E-04	2.22E-04
1459	567119.81	4216568.79	2.59E-03	2.29E-03	3.71E-04	2.28E-04
1460	567134.52	4216573.42	2.66E-03	2.35E-03	3.82E-04	2.35E-04
1461	567149.23	4216578.04	2.73E-03	2.42E-03	3.92E-04	2.41E-04
1462	567193.36	4216591.91	2.94E-03	2.61E-03	4.22E-04	2.60E-04
1463	567208.07	4216596.53	3.01E-03	2.66E-03	4.32E-04	2.66E-04
1464	567222.78	4216601.15	3.08E-03	2.72E-03	4.41E-04	2.72E-04
1465	567237.49	4216605.77	3.14E-03	2.78E-03	4.51E-04	2.78E-04
1466	567089.85	4216561.86	2.48E-03	2.19E-03	3.56E-04	2.19E-04
1467	567105.03	4216554.15	2.40E-03	2.13E-03	3.44E-04	2.12E-04
1468	567119.59	4216558.72	2.47E-03	2.18E-03	3.54E-04	2.18E-04
1469	567134.15	4216563.3	2.53E-03	2.24E-03	3.63E-04	2.24E-04
1470	567148.71	4216567.87	2.60E-03	2.30E-03	3.73E-04	2.29E-04
1471	567163.27	4216572.45	2.66E-03	2.36E-03	3.82E-04	2.35E-04
1472	567206.95	4216586.18	2.85E-03	2.53E-03	4.09E-04	2.52E-04
1473	567221.51	4216590.75	2.91E-03	2.58E-03	4.18E-04	2.57E-04
1474	567236.07	4216595.33	2.97E-03	2.63E-03	4.26E-04	2.63E-04
1475	567089.85	4216551.86	2.36E-03	2.09E-03	3.39E-04	2.09E-04
1476	567104.96	4216544.13	2.29E-03	2.03E-03	3.29E-04	2.03E-04
1477	567119.39	4216548.66	2.35E-03	2.08E-03	3.37E-04	2.08E-04
1478	567133.81	4216553.19	2.41E-03	2.13E-03	3.46E-04	2.13E-04
1479	567148.24	4216557.73	2.47E-03	2.19E-03	3.55E-04	2.18E-04
1480	567162.66	4216562.26	2.53E-03	2.24E-03	3.63E-04	2.24E-04
1481	567177.09	4216566.79	2.59E-03	2.30E-03	3.72E-04	2.29E-04
1482	567205.94	4216575.86	2.71E-03	2.40E-03	3.89E-04	2.39E-04
1483	567220.36	4216580.39	2.77E-03	2.45E-03	3.97E-04	2.44E-04
1484	567234.79	4216584.92	2.82E-03	2.49E-03	4.04E-04	2.49E-04
1485	567249.21	4216589.46	2.87E-03	2.54E-03	4.12E-04	2.54E-04
1486	567089.85	4216541.86	2.26E-03	2.00E-03	3.24E-04	1.99E-04
1487	567105.21	4216534.2	2.19E-03	1.94E-03	3.14E-04	1.94E-04
1488	567120.13	4216538.89	2.25E-03	1.99E-03	3.23E-04	1.99E-04
1489	567135.06	4216543.58	2.31E-03	2.04E-03	3.31E-04	2.04E-04
1490	567149.98	4216548.27	2.37E-03	2.09E-03	3.39E-04	2.09E-04
1491	567164.9	4216552.96	2.42E-03	2.15E-03	3.48E-04	2.14E-04
1492	567179.82	4216557.65	2.48E-03	2.20E-03	3.56E-04	2.19E-04
1493	567194.74	4216562.34	2.54E-03	2.25E-03	3.64E-04	2.24E-04
1494	567209.67	4216567.03	2.60E-03	2.30E-03	3.72E-04	2.29E-04
1495	567224.59	4216571.72	2.65E-03	2.34E-03	3.80E-04	2.34E-04
1496	567239.51	4216576.41	2.70E-03	2.39E-03	3.87E-04	2.38E-04
1497	567254.43	4216581.1	2.75E-03	2.43E-03	3.94E-04	2.43E-04
1498	567089.85	4216531.86	2.16E-03	1.91E-03	3.10E-04	1.91E-04
1499	567105.14	4216524.18	2.10E-03	1.86E-03	3.01E-04	1.85E-04
1500	567119.92	4216528.83	2.15E-03	1.90E-03	3.09E-04	1.90E-04
1501	567134.69	4216533.47	2.21E-03	1.95E-03	3.16E-04	1.95E-04
1502	567149.47	4216538.11	2.26E-03	2.00E-03	3.24E-04	2.00E-04

1503	567164.25	4216542.76	2.31E-03	2.05E-03	3.32E-04	2.04E-04
1504	567179.02	4216547.4	2.37E-03	2.09E-03	3.39E-04	2.09E-04
1505	567193.8	4216552.04	2.42E-03	2.14E-03	3.47E-04	2.14E-04
1506	567208.58	4216556.69	2.47E-03	2.19E-03	3.55E-04	2.18E-04
1507	567223.36	4216561.33	2.52E-03	2.23E-03	3.61E-04	2.23E-04
1508	567238.13	4216565.98	2.57E-03	2.27E-03	3.68E-04	2.27E-04
1509	567252.91	4216570.62	2.61E-03	2.31E-03	3.75E-04	2.31E-04
1510	567089.85	4216521.86	2.07E-03	1.83E-03	2.97E-04	1.83E-04
1511	567073.65	4216820.13	3.00E-02	2.66E-02	4.31E-03	2.65E-03
1512	567067.94	4216828.01	3.59E-02	3.18E-02	5.15E-03	3.17E-03
1513	567062.23	4216835.9	4.25E-02	3.76E-02	6.09E-03	3.75E-03
1514	567056.52	4216843.78	4.90E-02	4.34E-02	7.03E-03	4.33E-03
1515	567050.8	4216851.67	5.49E-02	4.86E-02	7.87E-03	4.85E-03
1516	567045.09	4216859.55	5.99E-02	5.30E-02	8.58E-03	5.29E-03
1517	567039.38	4216867.44	6.41E-02	5.67E-02	9.19E-03	5.66E-03
1518	567033.67	4216875.32	6.76E-02	5.99E-02	9.70E-03	5.97E-03
1519	567027.96	4216883.21	7.08E-02	6.27E-02	1.02E-02	6.25E-03
1520	567022.24	4216891.09	7.36E-02	6.51E-02	1.05E-02	6.50E-03
1521	567016.53	4216898.98	7.57E-02	6.70E-02	1.09E-02	6.69E-03
1522	567010.82	4216906.86	7.71E-02	6.82E-02	1.11E-02	6.81E-03
1523	567005.11	4216914.75	7.76E-02	6.87E-02	1.11E-02	6.86E-03
1524	566999.39	4216922.63	7.75E-02	6.86E-02	1.11E-02	6.84E-03
1525	566993.68	4216930.52	7.66E-02	6.78E-02	1.10E-02	6.77E-03
1526	566987.97	4216938.4	7.51E-02	6.64E-02	1.08E-02	6.63E-03
1527	566982.26	4216946.29	7.24E-02	6.41E-02	1.04E-02	6.39E-03
1528	566976.55	4216954.17	6.84E-02	6.05E-02	9.80E-03	6.04E-03
1529	566970.83	4216962.06	6.30E-02	5.58E-02	9.03E-03	5.56E-03
1530	567070.88	4216809.7	2.36E-02	2.09E-02	3.38E-03	2.08E-03
1531	567059.84	4216822.14	3.00E-02	2.65E-02	4.30E-03	2.65E-03
1532	567054.13	4216830.03	3.47E-02	3.07E-02	4.98E-03	3.07E-03
1533	567048.42	4216837.91	3.96E-02	3.50E-02	5.68E-03	3.50E-03
1534	567042.71	4216845.8	4.42E-02	3.91E-02	6.34E-03	3.90E-03
1535	567036.99	4216853.68	4.83E-02	4.27E-02	6.93E-03	4.27E-03
1536	567031.28	4216861.57	5.19E-02	4.60E-02	7.45E-03	4.59E-03
1537	567025.57	4216869.45	5.51E-02	4.87E-02	7.89E-03	4.86E-03
1538	567019.86	4216877.34	5.78E-02	5.12E-02	8.29E-03	5.11E-03
1539	567014.15	4216885.22	6.03E-02	5.34E-02	8.65E-03	5.33E-03
1540	567008.43	4216893.11	6.23E-02	5.51E-02	8.93E-03	5.50E-03
1541	567002.72	4216900.99	6.36E-02	5.63E-02	9.12E-03	5.62E-03
1542	566997.01	4216908.88	6.44E-02	5.69E-02	9.23E-03	5.68E-03
1543	566991.3	4216916.76	6.46E-02	5.71E-02	9.26E-03	5.70E-03
1544	566985.58	4216924.65	6.42E-02	5.69E-02	9.21E-03	5.67E-03
1545	566979.87	4216932.53	6.32E-02	5.59E-02	9.07E-03	5.58E-03
1546	566974.16	4216940.42	6.14E-02	5.43E-02	8.80E-03	5.42E-03
1547	566968.45	4216948.3	5.86E-02	5.18E-02	8.40E-03	5.17E-03
1548	566962.74	4216956.19	5.50E-02	4.86E-02	7.88E-03	4.85E-03
1549	567064.56	4216802.31	2.03E-02	1.79E-02	2.91E-03	1.79E-03
1550	567057.46	4216808.39	2.24E-02	1.99E-02	3.22E-03	1.98E-03
1551	567051.74	4216816.28	2.57E-02	2.27E-02	3.68E-03	2.27E-03
1552	567046.03	4216824.16	2.93E-02	2.59E-02	4.20E-03	2.59E-03
1553	567040.32	4216832.05	3.30E-02	2.92E-02	4.73E-03	2.92E-03
1554	567034.61	4216839.93	3.67E-02	3.24E-02	5.26E-03	3.24E-03

1555	567028.9	4216847.82	4.01E-02	3.55E-02	5.75E-03	3.54E-03
1556	567023.18	4216855.7	4.32E-02	3.82E-02	6.19E-03	3.81E-03
1557	567017.47	4216863.59	4.60E-02	4.07E-02	6.60E-03	4.06E-03
1558	567011.76	4216871.47	4.85E-02	4.29E-02	6.95E-03	4.28E-03
1559	567006.05	4216879.36	5.06E-02	4.48E-02	7.26E-03	4.47E-03
1560	567000.33	4216887.24	5.24E-02	4.64E-02	7.51E-03	4.63E-03
1561	566994.62	4216895.13	5.37E-02	4.75E-02	7.69E-03	4.74E-03
1562	566988.91	4216903.01	5.45E-02	4.83E-02	7.82E-03	4.82E-03
1563	566983.2	4216910.9	5.50E-02	4.86E-02	7.88E-03	4.85E-03
1564	566977.49	4216918.78	5.49E-02	4.86E-02	7.87E-03	4.85E-03
1565	566971.77	4216926.67	5.42E-02	4.80E-02	7.77E-03	4.79E-03
1566	566966.06	4216934.55	5.29E-02	4.68E-02	7.59E-03	4.67E-03
1567	566960.35	4216942.44	5.10E-02	4.51E-02	7.31E-03	4.50E-03
1568	566954.64	4216950.32	4.84E-02	4.29E-02	6.95E-03	4.28E-03
1569	567055.28	4216797.46	1.84E-02	1.63E-02	2.64E-03	1.63E-03
1570	567074.7	4216785.5	1.54E-02	1.36E-02	2.20E-03	1.36E-03
1571	567043.65	4216810.41	2.24E-02	1.99E-02	3.22E-03	1.98E-03
1572	567037.93	4216818.3	2.53E-02	2.24E-02	3.62E-03	2.23E-03
1573	567032.22	4216826.18	2.82E-02	2.50E-02	4.05E-03	2.49E-03
1574	567026.51	4216834.07	3.12E-02	2.76E-02	4.47E-03	2.75E-03
1575	567020.8	4216841.95	3.40E-02	3.01E-02	4.88E-03	3.00E-03
1576	567015.09	4216849.84	3.67E-02	3.25E-02	5.26E-03	3.24E-03
1577	567009.37	4216857.72	3.92E-02	3.46E-02	5.61E-03	3.46E-03
1578	567003.66	4216865.61	4.14E-02	3.66E-02	5.93E-03	3.65E-03
1579	566997.95	4216873.49	4.32E-02	3.83E-02	6.20E-03	3.82E-03
1580	566992.24	4216881.38	4.48E-02	3.97E-02	6.43E-03	3.96E-03
1581	566986.52	4216889.26	4.61E-02	4.08E-02	6.61E-03	4.07E-03
1582	566980.81	4216897.15	4.69E-02	4.15E-02	6.73E-03	4.15E-03
1583	566975.1	4216905.03	4.74E-02	4.20E-02	6.80E-03	4.19E-03
1584	566969.39	4216912.92	4.75E-02	4.20E-02	6.81E-03	4.20E-03
1585	566963.68	4216920.8	4.71E-02	4.17E-02	6.76E-03	4.16E-03
1586	566957.96	4216928.69	4.62E-02	4.09E-02	6.63E-03	4.08E-03
1587	566952.25	4216936.57	4.49E-02	3.97E-02	6.43E-03	3.96E-03
1588	566946.54	4216944.46	4.31E-02	3.81E-02	6.17E-03	3.80E-03
1589	567048.36	4216790.58	1.63E-02	1.45E-02	2.34E-03	1.44E-03
1590	567055.47	4216784.5	1.50E-02	1.33E-02	2.15E-03	1.33E-03
1591	567071.67	4216776.23	1.34E-02	1.18E-02	1.92E-03	1.18E-03
1592	567041.26	4216796.66	1.78E-02	1.57E-02	2.55E-03	1.57E-03
1593	567035.55	4216804.54	1.99E-02	1.76E-02	2.85E-03	1.75E-03
1594	567029.84	4216812.43	2.22E-02	1.96E-02	3.18E-03	1.96E-03
1595	567024.12	4216820.31	2.46E-02	2.18E-02	3.53E-03	2.17E-03
1596	567018.41	4216828.2	2.70E-02	2.39E-02	3.87E-03	2.38E-03
1597	567012.7	4216836.08	2.94E-02	2.60E-02	4.21E-03	2.59E-03
1598	567006.99	4216843.97	3.17E-02	2.80E-02	4.54E-03	2.80E-03
1599	567001.27	4216851.85	3.38E-02	2.99E-02	4.85E-03	2.99E-03
1600	566995.56	4216859.74	3.57E-02	3.16E-02	5.12E-03	3.16E-03
1601	566989.85	4216867.62	3.74E-02	3.31E-02	5.37E-03	3.30E-03
1602	566984.14	4216875.51	3.89E-02	3.44E-02	5.57E-03	3.43E-03
1603	566978.43	4216883.39	4.00E-02	3.54E-02	5.74E-03	3.53E-03
1604	566972.71	4216891.28	4.09E-02	3.62E-02	5.86E-03	3.61E-03
1605	566967	4216899.16	4.14E-02	3.66E-02	5.94E-03	3.66E-03
1606	566961.29	4216907.05	4.16E-02	3.68E-02	5.96E-03	3.67E-03

1607	566955.58	4216914.93	4.14E-02	3.66E-02	5.93E-03	3.65E-03
1608	566949.86	4216922.82	4.08E-02	3.61E-02	5.85E-03	3.60E-03
1609	566944.15	4216930.7	3.98E-02	3.53E-02	5.71E-03	3.52E-03
1610	566938.44	4216938.59	3.85E-02	3.41E-02	5.52E-03	3.40E-03
1611	567039.38	4216785.47	1.50E-02	1.32E-02	2.15E-03	1.32E-03
1612	567051.81	4216774.83	1.30E-02	1.15E-02	1.87E-03	1.15E-03
1613	567065.98	4216767.6	1.19E-02	1.05E-02	1.70E-03	1.05E-03
1614	567027.45	4216798.68	1.78E-02	1.57E-02	2.55E-03	1.57E-03
1615	567021.74	4216806.56	1.97E-02	1.74E-02	2.82E-03	1.74E-03
1616	567016.03	4216814.45	2.17E-02	1.92E-02	3.11E-03	1.91E-03
1617	567010.31	4216822.33	2.37E-02	2.10E-02	3.40E-03	2.09E-03
1618	567004.6	4216830.22	2.57E-02	2.27E-02	3.68E-03	2.27E-03
1619	566998.89	4216838.1	2.77E-02	2.45E-02	3.97E-03	2.44E-03
1620	566993.18	4216845.99	2.96E-02	2.61E-02	4.24E-03	2.61E-03
1621	566987.46	4216853.87	3.12E-02	2.76E-02	4.48E-03	2.76E-03
1622	566981.75	4216861.76	3.27E-02	2.90E-02	4.69E-03	2.89E-03
1623	566976.04	4216869.64	3.40E-02	3.01E-02	4.88E-03	3.01E-03
1624	566970.33	4216877.53	3.51E-02	3.11E-02	5.03E-03	3.10E-03
1625	566964.62	4216885.41	3.59E-02	3.18E-02	5.15E-03	3.17E-03
1626	566958.9	4216893.3	3.65E-02	3.23E-02	5.23E-03	3.22E-03
1627	566953.19	4216901.18	3.67E-02	3.25E-02	5.27E-03	3.24E-03
1628	566947.48	4216909.07	3.67E-02	3.24E-02	5.26E-03	3.24E-03
1629	566941.77	4216916.95	3.63E-02	3.21E-02	5.21E-03	3.21E-03
1630	566936.05	4216924.84	3.56E-02	3.15E-02	5.11E-03	3.15E-03
1631	566930.34	4216932.72	3.47E-02	3.07E-02	4.97E-03	3.06E-03
1632	567032.17	4216778.85	1.35E-02	1.20E-02	1.94E-03	1.19E-03
1633	567039.27	4216772.77	1.26E-02	1.11E-02	1.80E-03	1.11E-03
1634	567046.38	4216766.68	1.17E-02	1.03E-02	1.67E-03	1.03E-03
1635	567062.57	4216758.42	1.06E-02	9.34E-03	1.51E-03	9.32E-04
1636	567025.06	4216784.93	1.45E-02	1.29E-02	2.08E-03	1.28E-03
1637	567019.35	4216792.81	1.60E-02	1.42E-02	2.30E-03	1.42E-03
1638	567013.64	4216800.7	1.76E-02	1.56E-02	2.53E-03	1.56E-03
1639	567007.93	4216808.58	1.93E-02	1.71E-02	2.77E-03	1.70E-03
1640	567002.22	4216816.47	2.10E-02	1.86E-02	3.01E-03	1.85E-03
1641	566996.5	4216824.35	2.27E-02	2.01E-02	3.26E-03	2.00E-03
1642	566990.79	4216832.24	2.44E-02	2.16E-02	3.50E-03	2.16E-03
1643	566985.08	4216840.12	2.61E-02	2.31E-02	3.74E-03	2.30E-03
1644	566979.37	4216848.01	2.76E-02	2.44E-02	3.95E-03	2.44E-03
1645	566973.65	4216855.89	2.89E-02	2.56E-02	4.15E-03	2.55E-03
1646	566967.94	4216863.78	3.01E-02	2.66E-02	4.31E-03	2.66E-03
1647	566962.23	4216871.66	3.11E-02	2.75E-02	4.45E-03	2.74E-03
1648	566956.52	4216879.55	3.18E-02	2.82E-02	4.56E-03	2.81E-03
1649	566950.81	4216887.43	3.24E-02	2.86E-02	4.64E-03	2.86E-03
1650	566945.09	4216895.32	3.27E-02	2.89E-02	4.69E-03	2.89E-03
1651	566939.38	4216903.2	3.27E-02	2.90E-02	4.69E-03	2.89E-03
1652	566933.67	4216911.09	3.25E-02	2.88E-02	4.66E-03	2.87E-03
1653	566927.96	4216918.97	3.21E-02	2.84E-02	4.60E-03	2.83E-03
1654	566922.24	4216926.86	3.13E-02	2.77E-02	4.50E-03	2.77E-03
1655	567023.36	4216773.59	1.25E-02	1.11E-02	1.79E-03	1.10E-03
1656	567036.15	4216762.64	1.10E-02	9.75E-03	1.58E-03	9.73E-04
1657	567057.12	4216749.73	9.52E-03	8.43E-03	1.37E-03	8.41E-04
1658	567011.25	4216786.94	1.46E-02	1.29E-02	2.09E-03	1.29E-03

1659	567005.54	4216794.83	1.60E-02	1.41E-02	2.29E-03	1.41E-03
1660	566999.83	4216802.71	1.74E-02	1.54E-02	2.49E-03	1.53E-03
1661	566994.12	4216810.6	1.88E-02	1.66E-02	2.70E-03	1.66E-03
1662	566988.4	4216818.48	2.03E-02	1.79E-02	2.91E-03	1.79E-03
1663	566982.69	4216826.37	2.18E-02	1.93E-02	3.12E-03	1.92E-03
1664	566976.98	4216834.25	2.32E-02	2.05E-02	3.32E-03	2.05E-03
1665	566971.27	4216842.14	2.45E-02	2.17E-02	3.52E-03	2.17E-03
1666	566965.56	4216850.02	2.57E-02	2.28E-02	3.69E-03	2.27E-03
1667	566959.84	4216857.91	2.68E-02	2.37E-02	3.84E-03	2.37E-03
1668	566954.13	4216865.79	2.77E-02	2.45E-02	3.97E-03	2.44E-03
1669	566948.42	4216873.68	2.84E-02	2.51E-02	4.07E-03	2.51E-03
1670	566942.71	4216881.56	2.89E-02	2.56E-02	4.15E-03	2.56E-03
1671	566936.99	4216889.45	2.93E-02	2.59E-02	4.20E-03	2.58E-03
1672	566931.28	4216897.33	2.94E-02	2.60E-02	4.21E-03	2.60E-03
1673	566925.57	4216905.22	2.93E-02	2.59E-02	4.20E-03	2.59E-03
1674	566919.86	4216913.1	2.90E-02	2.57E-02	4.16E-03	2.56E-03
1675	566914.15	4216920.99	2.85E-02	2.52E-02	4.08E-03	2.52E-03
1676	567015.97	4216767.11	1.15E-02	1.01E-02	1.64E-03	1.01E-03
1677	567023.08	4216761.03	1.07E-02	9.49E-03	1.54E-03	9.47E-04
1678	567030.18	4216754.95	1.00E-02	8.88E-03	1.44E-03	8.86E-04
1679	567008.87	4216773.19	1.22E-02	1.08E-02	1.76E-03	1.08E-03
1680	567003.16	4216781.08	1.34E-02	1.18E-02	1.92E-03	1.18E-03
1681	566997.44	4216788.96	1.46E-02	1.29E-02	2.09E-03	1.28E-03
1682	566991.73	4216796.85	1.58E-02	1.40E-02	2.26E-03	1.39E-03
1683	566986.02	4216804.73	1.70E-02	1.51E-02	2.44E-03	1.50E-03
1684	566980.31	4216812.62	1.83E-02	1.62E-02	2.62E-03	1.61E-03
1685	566974.59	4216820.5	1.96E-02	1.73E-02	2.80E-03	1.73E-03
1686	566968.88	4216828.39	2.08E-02	1.84E-02	2.98E-03	1.84E-03
1687	566963.17	4216836.27	2.20E-02	1.94E-02	3.15E-03	1.94E-03
1688	566957.46	4216844.16	2.31E-02	2.04E-02	3.31E-03	2.04E-03
1689	566951.75	4216852.04	2.40E-02	2.13E-02	3.45E-03	2.12E-03
1690	566946.03	4216859.93	2.48E-02	2.20E-02	3.56E-03	2.19E-03
1691	566940.32	4216867.81	2.55E-02	2.26E-02	3.66E-03	2.25E-03
1692	566934.61	4216875.7	2.60E-02	2.30E-02	3.73E-03	2.30E-03
1693	566928.9	4216883.58	2.64E-02	2.33E-02	3.78E-03	2.33E-03
1694	566923.18	4216891.47	2.65E-02	2.35E-02	3.81E-03	2.34E-03
1695	566917.47	4216899.35	2.65E-02	2.35E-02	3.80E-03	2.34E-03
1696	566911.76	4216907.24	2.63E-02	2.33E-02	3.78E-03	2.33E-03
1697	566906.05	4216915.12	2.60E-02	2.30E-02	3.73E-03	2.29E-03
1698	567007.28	4216761.75	1.07E-02	9.47E-03	1.53E-03	9.45E-04
1699	566995.06	4216775.21	1.23E-02	1.09E-02	1.76E-03	1.09E-03
1700	566989.34	4216783.1	1.33E-02	1.18E-02	1.91E-03	1.18E-03
1701	566983.63	4216790.98	1.44E-02	1.28E-02	2.07E-03	1.27E-03
1702	566977.92	4216798.87	1.55E-02	1.37E-02	2.22E-03	1.37E-03
1703	566972.21	4216806.75	1.66E-02	1.47E-02	2.38E-03	1.47E-03
1704	566966.5	4216814.64	1.77E-02	1.57E-02	2.54E-03	1.56E-03
1705	566960.78	4216822.52	1.88E-02	1.66E-02	2.69E-03	1.66E-03
1706	566955.07	4216830.41	1.98E-02	1.75E-02	2.84E-03	1.75E-03
1707	566949.36	4216838.29	2.08E-02	1.84E-02	2.98E-03	1.84E-03
1708	566943.65	4216846.18	2.17E-02	1.92E-02	3.11E-03	1.91E-03
1709	566937.93	4216854.06	2.24E-02	1.98E-02	3.22E-03	1.98E-03
1710	566932.22	4216861.95	2.30E-02	2.04E-02	3.30E-03	2.03E-03

1711	566926.51	4216869.83	2.35E-02	2.08E-02	3.37E-03	2.08E-03
1712	566920.8	4216877.72	2.39E-02	2.11E-02	3.43E-03	2.11E-03
1713	566915.09	4216885.6	2.41E-02	2.13E-02	3.45E-03	2.13E-03
1714	566909.37	4216893.49	2.41E-02	2.14E-02	3.46E-03	2.13E-03
1715	566903.66	4216901.37	2.40E-02	2.13E-02	3.45E-03	2.12E-03
1716	566897.95	4216909.26	2.38E-02	2.11E-02	3.41E-03	2.10E-03
1717	567044.39	4216722.79	7.22E-03	6.39E-03	1.04E-03	6.38E-04
1718	567053.48	4216720.6	7.07E-03	6.26E-03	1.01E-03	6.25E-04
1719	567062.57	4216718.42	6.92E-03	6.12E-03	9.92E-04	6.11E-04
1720	567071.67	4216716.23	6.78E-03	6.00E-03	9.72E-04	5.98E-04
1721	567080.76	4216714.05	6.64E-03	5.88E-03	9.52E-04	5.86E-04
1722	566986.96	4216769.34	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1723	566981.25	4216777.23	1.23E-02	1.09E-02	1.76E-03	1.09E-03
1724	566975.53	4216785.11	1.33E-02	1.17E-02	1.90E-03	1.17E-03
1725	566969.82	4216793	1.42E-02	1.26E-02	2.04E-03	1.26E-03
1726	566964.11	4216800.88	1.52E-02	1.34E-02	2.18E-03	1.34E-03
1727	566958.4	4216808.77	1.61E-02	1.43E-02	2.31E-03	1.42E-03
1728	566952.69	4216816.65	1.71E-02	1.51E-02	2.45E-03	1.51E-03
1729	566946.97	4216824.54	1.80E-02	1.59E-02	2.58E-03	1.59E-03
1730	566941.26	4216832.42	1.89E-02	1.67E-02	2.70E-03	1.67E-03
1731	566935.55	4216840.31	1.97E-02	1.74E-02	2.82E-03	1.74E-03
1732	566929.84	4216848.19	2.03E-02	1.80E-02	2.92E-03	1.80E-03
1733	566924.12	4216856.08	2.09E-02	1.85E-02	3.00E-03	1.85E-03
1734	566918.41	4216863.96	2.14E-02	1.89E-02	3.06E-03	1.89E-03
1735	566912.7	4216871.85	2.17E-02	1.92E-02	3.12E-03	1.92E-03
1736	566906.99	4216879.73	2.20E-02	1.94E-02	3.15E-03	1.94E-03
1737	566901.28	4216887.62	2.21E-02	1.95E-02	3.16E-03	1.95E-03
1738	566895.56	4216895.5	2.20E-02	1.95E-02	3.16E-03	1.94E-03
1739	566889.85	4216903.39	2.19E-02	1.93E-02	3.13E-03	1.93E-03
1740	567004.36	4216738.65	8.38E-03	7.41E-03	1.20E-03	7.40E-04
1741	567017.56	4216727.36	7.54E-03	6.67E-03	1.08E-03	6.65E-04
1742	567039.19	4216714.04	6.67E-03	5.90E-03	9.56E-04	5.89E-04
1743	567056.08	4216709.98	6.42E-03	5.68E-03	9.21E-04	5.67E-04
1744	567072.96	4216705.92	6.19E-03	5.47E-03	8.87E-04	5.46E-04
1745	566973.15	4216771.36	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1746	566967.44	4216779.25	1.22E-02	1.08E-02	1.75E-03	1.08E-03
1747	566961.72	4216787.13	1.31E-02	1.16E-02	1.88E-03	1.16E-03
1748	566956.01	4216795.02	1.39E-02	1.23E-02	2.00E-03	1.23E-03
1749	566950.3	4216802.9	1.48E-02	1.31E-02	2.12E-03	1.31E-03
1750	566944.59	4216810.79	1.56E-02	1.38E-02	2.24E-03	1.38E-03
1751	566938.87	4216818.67	1.64E-02	1.45E-02	2.35E-03	1.45E-03
1752	566933.16	4216826.56	1.72E-02	1.52E-02	2.47E-03	1.52E-03
1753	566927.45	4216834.44	1.79E-02	1.58E-02	2.57E-03	1.58E-03
1754	566921.74	4216842.33	1.85E-02	1.64E-02	2.65E-03	1.63E-03
1755	566916.03	4216850.21	1.90E-02	1.69E-02	2.73E-03	1.68E-03
1756	566910.31	4216858.1	1.95E-02	1.72E-02	2.79E-03	1.72E-03
1757	566904.6	4216865.98	1.98E-02	1.76E-02	2.85E-03	1.75E-03
1758	566898.89	4216873.87	2.01E-02	1.78E-02	2.88E-03	1.78E-03
1759	566893.18	4216881.75	2.02E-02	1.79E-02	2.90E-03	1.79E-03
1760	566887.46	4216889.64	2.02E-02	1.79E-02	2.90E-03	1.79E-03
1761	566881.75	4216897.52	2.01E-02	1.78E-02	2.89E-03	1.78E-03
1762	566983.58	4216743.65	8.71E-03	7.71E-03	1.25E-03	7.69E-04

1763	566990.68	4216737.57	8.24E-03	7.29E-03	1.18E-03	7.28E-04
1764	566997.79	4216731.48	7.80E-03	6.90E-03	1.12E-03	6.88E-04
1765	567004.89	4216725.4	7.38E-03	6.53E-03	1.06E-03	6.52E-04
1766	567012	4216719.32	6.99E-03	6.19E-03	1.00E-03	6.18E-04
1767	567035.3	4216704.98	6.16E-03	5.45E-03	8.84E-04	5.44E-04
1768	567044.39	4216702.79	6.04E-03	5.35E-03	8.67E-04	5.34E-04
1769	567053.48	4216700.6	5.93E-03	5.25E-03	8.50E-04	5.24E-04
1770	567062.57	4216698.42	5.81E-03	5.15E-03	8.34E-04	5.13E-04
1771	567071.67	4216696.23	5.71E-03	5.05E-03	8.18E-04	5.04E-04
1772	567080.76	4216694.05	5.60E-03	4.96E-03	8.04E-04	4.95E-04
1773	566975.04	4216738.16	8.23E-03	7.28E-03	1.18E-03	7.27E-04
1774	566988.36	4216726.76	7.44E-03	6.59E-03	1.07E-03	6.57E-04
1775	567001.68	4216715.36	6.75E-03	5.97E-03	9.67E-04	5.96E-04
1776	567015	4216703.96	6.12E-03	5.42E-03	8.78E-04	5.41E-04
1777	567030.18	4216696.21	5.73E-03	5.07E-03	8.22E-04	5.06E-04
1778	567047.23	4216692.11	5.53E-03	4.90E-03	7.93E-04	4.89E-04
1779	567064.28	4216688.01	5.34E-03	4.73E-03	7.66E-04	4.72E-04
1780	566939.82	4216783.28	1.19E-02	1.05E-02	1.71E-03	1.05E-03
1781	566934.1	4216791.17	1.26E-02	1.11E-02	1.80E-03	1.11E-03
1782	566928.39	4216799.05	1.32E-02	1.17E-02	1.90E-03	1.17E-03
1783	566922.68	4216806.94	1.39E-02	1.23E-02	1.99E-03	1.23E-03
1784	566916.97	4216814.82	1.45E-02	1.28E-02	2.08E-03	1.28E-03
1785	566911.25	4216822.71	1.51E-02	1.33E-02	2.16E-03	1.33E-03
1786	566905.54	4216830.59	1.56E-02	1.38E-02	2.23E-03	1.37E-03
1787	566899.83	4216838.48	1.60E-02	1.42E-02	2.30E-03	1.41E-03
1788	566894.12	4216846.36	1.64E-02	1.45E-02	2.35E-03	1.45E-03
1789	566888.41	4216854.25	1.68E-02	1.48E-02	2.40E-03	1.48E-03
1790	566882.69	4216862.13	1.70E-02	1.51E-02	2.44E-03	1.50E-03
1791	566876.98	4216870.02	1.72E-02	1.52E-02	2.46E-03	1.52E-03
1792	566871.27	4216877.9	1.73E-02	1.53E-02	2.48E-03	1.52E-03
1793	566967.38	4216731.91	7.75E-03	6.86E-03	1.11E-03	6.84E-04
1794	566974.49	4216725.83	7.36E-03	6.52E-03	1.06E-03	6.50E-04
1795	566981.59	4216719.75	6.99E-03	6.19E-03	1.00E-03	6.18E-04
1796	566988.7	4216713.67	6.64E-03	5.88E-03	9.52E-04	5.86E-04
1797	566995.8	4216707.59	6.31E-03	5.58E-03	9.05E-04	5.57E-04
1798	567002.9	4216701.51	6.00E-03	5.31E-03	8.61E-04	5.30E-04
1799	567010.01	4216695.43	5.71E-03	5.05E-03	8.19E-04	5.04E-04
1800	567026.21	4216687.16	5.33E-03	4.72E-03	7.64E-04	4.71E-04
1801	567035.3	4216684.98	5.23E-03	4.63E-03	7.50E-04	4.62E-04
1802	567044.39	4216682.79	5.14E-03	4.55E-03	7.37E-04	4.54E-04
1803	567053.48	4216680.6	5.05E-03	4.47E-03	7.24E-04	4.46E-04
1804	567062.57	4216678.42	4.96E-03	4.39E-03	7.11E-04	4.38E-04
1805	567071.67	4216676.23	4.87E-03	4.31E-03	6.99E-04	4.30E-04
1806	567080.76	4216674.05	4.80E-03	4.24E-03	6.88E-04	4.23E-04
1807	566960.28	4216737.99	8.13E-03	7.20E-03	1.17E-03	7.18E-04
1808	566954.57	4216745.88	8.67E-03	7.67E-03	1.24E-03	7.66E-04
1809	566926	4216785.3	1.17E-02	1.03E-02	1.67E-03	1.03E-03
1810	566920.29	4216793.19	1.23E-02	1.09E-02	1.76E-03	1.08E-03
1811	566914.58	4216801.07	1.28E-02	1.14E-02	1.84E-03	1.13E-03
1812	566908.87	4216808.96	1.34E-02	1.19E-02	1.92E-03	1.18E-03
1813	566903.16	4216816.84	1.39E-02	1.23E-02	1.99E-03	1.23E-03
1814	566897.44	4216824.73	1.44E-02	1.27E-02	2.06E-03	1.27E-03

1815	566891.73	4216832.61	1.48E-02	1.31E-02	2.12E-03	1.31E-03
1816	566886.02	4216840.5	1.52E-02	1.34E-02	2.17E-03	1.34E-03
1817	566880.31	4216848.38	1.55E-02	1.37E-02	2.22E-03	1.37E-03
1818	566874.59	4216856.27	1.57E-02	1.39E-02	2.26E-03	1.39E-03
1819	566868.88	4216864.15	1.59E-02	1.41E-02	2.28E-03	1.40E-03
1820	566863.17	4216872.04	1.60E-02	1.42E-02	2.29E-03	1.41E-03
1821	566958.89	4216726.38	7.35E-03	6.50E-03	1.05E-03	6.49E-04
1822	566965.6	4216720.64	7.02E-03	6.21E-03	1.01E-03	6.20E-04
1823	566979.02	4216709.16	6.39E-03	5.66E-03	9.17E-04	5.64E-04
1824	566992.44	4216697.67	5.82E-03	5.15E-03	8.34E-04	5.14E-04
1825	567005.86	4216686.18	5.31E-03	4.70E-03	7.62E-04	4.69E-04
1826	567038.33	4216674.25	4.82E-03	4.26E-03	6.91E-04	4.25E-04
1827	567055.5	4216670.12	4.67E-03	4.13E-03	6.69E-04	4.12E-04
1828	567072.68	4216665.99	4.52E-03	4.00E-03	6.48E-04	3.99E-04
1829	566946.47	4216740.01	8.16E-03	7.22E-03	1.17E-03	7.21E-04
1830	566912.19	4216787.32	1.14E-02	1.01E-02	1.64E-03	1.01E-03
1831	566906.48	4216795.21	1.19E-02	1.06E-02	1.71E-03	1.05E-03
1832	566900.77	4216803.09	1.24E-02	1.10E-02	1.78E-03	1.10E-03
1833	566895.06	4216810.98	1.29E-02	1.14E-02	1.85E-03	1.14E-03
1834	566889.35	4216818.86	1.33E-02	1.18E-02	1.91E-03	1.18E-03
1835	566883.63	4216826.75	1.37E-02	1.21E-02	1.97E-03	1.21E-03
1836	566877.92	4216834.63	1.41E-02	1.24E-02	2.02E-03	1.24E-03
1837	566872.21	4216842.52	1.43E-02	1.27E-02	2.06E-03	1.27E-03
1838	566866.5	4216850.4	1.46E-02	1.29E-02	2.09E-03	1.29E-03
1839	566860.78	4216858.29	1.48E-02	1.31E-02	2.12E-03	1.30E-03
1840	566855.07	4216866.17	1.49E-02	1.32E-02	2.13E-03	1.31E-03
1841	566951.19	4216720.18	6.94E-03	6.14E-03	9.96E-04	6.13E-04
1842	566958.29	4216714.1	6.63E-03	5.87E-03	9.50E-04	5.85E-04
1843	566965.39	4216708.02	6.32E-03	5.59E-03	9.06E-04	5.58E-04
1844	566972.5	4216701.94	6.02E-03	5.33E-03	8.64E-04	5.32E-04
1845	566979.6	4216695.86	5.74E-03	5.08E-03	8.23E-04	5.07E-04
1846	566986.71	4216689.78	5.48E-03	4.85E-03	7.85E-04	4.84E-04
1847	566993.81	4216683.7	5.22E-03	4.62E-03	7.49E-04	4.61E-04
1848	567000.92	4216677.62	4.98E-03	4.41E-03	7.15E-04	4.40E-04
1849	567026.21	4216667.16	4.58E-03	4.05E-03	6.57E-04	4.05E-04
1850	567035.3	4216664.98	4.50E-03	3.98E-03	6.46E-04	3.98E-04
1851	567044.39	4216662.79	4.43E-03	3.92E-03	6.35E-04	3.91E-04
1852	567053.48	4216660.6	4.36E-03	3.86E-03	6.25E-04	3.85E-04
1853	567062.57	4216658.42	4.29E-03	3.80E-03	6.15E-04	3.79E-04
1854	567071.67	4216656.23	4.23E-03	3.74E-03	6.06E-04	3.73E-04
1855	567080.76	4216654.05	4.17E-03	3.69E-03	5.98E-04	3.68E-04
1856	566944.08	4216726.26	7.26E-03	6.43E-03	1.04E-03	6.41E-04
1857	566926.94	4216749.91	8.65E-03	7.65E-03	1.24E-03	7.64E-04
1858	566921.23	4216757.8	9.14E-03	8.09E-03	1.31E-03	8.07E-04
1859	566892.67	4216797.22	1.16E-02	1.02E-02	1.66E-03	1.02E-03
1860	566886.96	4216805.11	1.20E-02	1.06E-02	1.72E-03	1.06E-03
1861	566881.25	4216812.99	1.24E-02	1.10E-02	1.78E-03	1.09E-03
1862	566875.53	4216820.88	1.28E-02	1.13E-02	1.83E-03	1.13E-03
1863	566869.82	4216828.76	1.31E-02	1.16E-02	1.87E-03	1.15E-03
1864	566864.11	4216836.65	1.33E-02	1.18E-02	1.91E-03	1.18E-03
1865	566858.4	4216844.53	1.36E-02	1.20E-02	1.95E-03	1.20E-03
1866	566852.69	4216852.42	1.37E-02	1.22E-02	1.97E-03	1.21E-03

1867	566846.97	4216860.3	1.39E-02	1.23E-02	1.99E-03	1.22E-03
1868	566942.73	4216714.62	6.61E-03	5.85E-03	9.47E-04	5.83E-04
1869	566956.23	4216703.06	6.06E-03	5.37E-03	8.69E-04	5.35E-04
1870	566969.73	4216691.51	5.55E-03	4.91E-03	7.96E-04	4.90E-04
1871	566976.48	4216685.73	5.32E-03	4.70E-03	7.62E-04	4.69E-04
1872	566989.98	4216674.18	4.87E-03	4.31E-03	6.99E-04	4.30E-04
1873	567029.39	4216656.4	4.24E-03	3.75E-03	6.08E-04	3.75E-04
1874	567046.66	4216652.24	4.12E-03	3.64E-03	5.90E-04	3.63E-04
1875	567063.94	4216648.09	4.00E-03	3.54E-03	5.74E-04	3.53E-04
1876	566924.56	4216736.16	7.71E-03	6.83E-03	1.11E-03	6.81E-04
1877	566918.85	4216744.05	8.15E-03	7.21E-03	1.17E-03	7.20E-04
1878	566913.13	4216751.93	8.60E-03	7.61E-03	1.23E-03	7.59E-04
1879	566907.42	4216759.82	9.06E-03	8.01E-03	1.30E-03	8.00E-04
1880	566901.71	4216767.7	9.51E-03	8.41E-03	1.36E-03	8.39E-04
1881	566878.86	4216799.24	1.12E-02	9.90E-03	1.60E-03	9.88E-04
1882	566873.15	4216807.13	1.16E-02	1.02E-02	1.66E-03	1.02E-03
1883	566867.44	4216815.01	1.19E-02	1.05E-02	1.71E-03	1.05E-03
1884	566861.72	4216822.9	1.22E-02	1.08E-02	1.75E-03	1.08E-03
1885	566856.01	4216830.78	1.25E-02	1.10E-02	1.79E-03	1.10E-03
1886	566850.3	4216838.67	1.27E-02	1.12E-02	1.82E-03	1.12E-03
1887	566844.59	4216846.55	1.28E-02	1.14E-02	1.84E-03	1.13E-03
1888	566838.88	4216854.44	1.30E-02	1.15E-02	1.86E-03	1.14E-03
1889	566942.09	4216702.36	6.01E-03	5.32E-03	8.61E-04	5.30E-04
1890	566949.2	4216696.28	5.75E-03	5.09E-03	8.24E-04	5.08E-04
1891	566956.3	4216690.2	5.50E-03	4.87E-03	7.88E-04	4.85E-04
1892	566963.41	4216684.12	5.26E-03	4.65E-03	7.54E-04	4.64E-04
1893	566970.51	4216678.04	5.03E-03	4.45E-03	7.21E-04	4.44E-04
1894	566977.62	4216671.96	4.81E-03	4.26E-03	6.90E-04	4.25E-04
1895	566984.72	4216665.88	4.60E-03	4.07E-03	6.60E-04	4.06E-04
1896	566991.82	4216659.8	4.40E-03	3.89E-03	6.31E-04	3.88E-04
1897	567017.11	4216649.35	4.06E-03	3.59E-03	5.82E-04	3.58E-04
1898	567026.21	4216647.16	3.99E-03	3.53E-03	5.72E-04	3.52E-04
1899	567035.3	4216644.98	3.92E-03	3.47E-03	5.63E-04	3.46E-04
1900	567044.39	4216642.79	3.86E-03	3.42E-03	5.54E-04	3.41E-04
1901	567053.48	4216640.6	3.81E-03	3.37E-03	5.46E-04	3.36E-04
1902	567062.57	4216638.42	3.76E-03	3.33E-03	5.39E-04	3.32E-04
1903	567071.67	4216636.23	3.71E-03	3.28E-03	5.32E-04	3.28E-04
1904	567080.76	4216634.05	3.67E-03	3.25E-03	5.26E-04	3.24E-04
1905	566922.17	4216722.41	6.91E-03	6.12E-03	9.91E-04	6.10E-04
1906	566916.46	4216730.3	7.30E-03	6.46E-03	1.05E-03	6.45E-04
1907	566910.75	4216738.18	7.70E-03	6.81E-03	1.10E-03	6.80E-04
1908	566905.04	4216746.07	8.11E-03	7.18E-03	1.16E-03	7.16E-04
1909	566899.32	4216753.95	8.52E-03	7.54E-03	1.22E-03	7.52E-04
1910	566893.61	4216761.84	8.93E-03	7.90E-03	1.28E-03	7.88E-04
1911	566887.9	4216769.72	9.33E-03	8.25E-03	1.34E-03	8.24E-04
1912	566865.05	4216801.26	1.08E-02	9.56E-03	1.55E-03	9.54E-04
1913	566859.34	4216809.15	1.11E-02	9.84E-03	1.59E-03	9.82E-04
1914	566853.63	4216817.03	1.14E-02	1.01E-02	1.63E-03	1.01E-03
1915	566847.91	4216824.92	1.16E-02	1.03E-02	1.67E-03	1.03E-03
1916	566842.2	4216832.8	1.19E-02	1.05E-02	1.70E-03	1.05E-03
1917	566836.49	4216840.69	1.20E-02	1.06E-02	1.72E-03	1.06E-03
1918	566830.78	4216848.57	1.21E-02	1.07E-02	1.74E-03	1.07E-03

1919	566940.13	4216691.25	5.53E-03	4.89E-03	7.93E-04	4.88E-04
1920	566953.69	4216679.64	5.09E-03	4.51E-03	7.31E-04	4.50E-04
1921	566967.26	4216668.03	4.69E-03	4.15E-03	6.72E-04	4.14E-04
1922	566974.04	4216662.23	4.50E-03	3.98E-03	6.45E-04	3.97E-04
1923	566987.6	4216650.62	4.14E-03	3.66E-03	5.93E-04	3.65E-04
1924	567020.42	4216638.55	3.77E-03	3.34E-03	5.41E-04	3.33E-04
1925	567037.78	4216634.38	3.66E-03	3.24E-03	5.25E-04	3.24E-04
1926	567055.13	4216630.21	3.57E-03	3.16E-03	5.12E-04	3.15E-04
1927	567072.49	4216626.03	3.49E-03	3.09E-03	5.00E-04	3.08E-04
1928	566914.07	4216716.54	6.56E-03	5.81E-03	9.41E-04	5.79E-04
1929	566908.36	4216724.43	6.92E-03	6.12E-03	9.92E-04	6.11E-04
1930	566902.65	4216732.31	7.29E-03	6.45E-03	1.04E-03	6.43E-04
1931	566896.94	4216740.2	7.66E-03	6.77E-03	1.10E-03	6.76E-04
1932	566891.23	4216748.08	8.03E-03	7.10E-03	1.15E-03	7.09E-04
1933	566885.51	4216755.97	8.40E-03	7.43E-03	1.20E-03	7.42E-04
1934	566879.8	4216763.85	8.77E-03	7.76E-03	1.26E-03	7.74E-04
1935	566874.09	4216771.74	9.13E-03	8.08E-03	1.31E-03	8.06E-04
1936	566845.53	4216811.16	1.07E-02	9.45E-03	1.53E-03	9.43E-04
1937	566839.82	4216819.05	1.09E-02	9.66E-03	1.57E-03	9.64E-04
1938	566834.1	4216826.93	1.11E-02	9.84E-03	1.59E-03	9.82E-04
1939	566828.39	4216834.82	1.13E-02	9.98E-03	1.62E-03	9.96E-04
1940	566822.68	4216842.7	1.14E-02	1.01E-02	1.64E-03	1.01E-03
1941	566933	4216684.55	5.27E-03	4.66E-03	7.55E-04	4.65E-04
1942	566940.11	4216678.47	5.05E-03	4.47E-03	7.24E-04	4.46E-04
1943	566947.21	4216672.39	4.85E-03	4.29E-03	6.95E-04	4.28E-04
1944	566954.32	4216666.31	4.64E-03	4.11E-03	6.66E-04	4.10E-04
1945	566961.42	4216660.23	4.45E-03	3.94E-03	6.38E-04	3.93E-04
1946	566968.52	4216654.15	4.26E-03	3.77E-03	6.11E-04	3.76E-04
1947	566975.63	4216648.07	4.08E-03	3.61E-03	5.85E-04	3.61E-04
1948	566911.69	4216702.79	5.92E-03	5.24E-03	8.49E-04	5.23E-04
1949	566905.98	4216710.68	6.24E-03	5.52E-03	8.94E-04	5.51E-04
1950	566900.26	4216718.56	6.57E-03	5.81E-03	9.42E-04	5.80E-04
1951	566894.55	4216726.45	6.90E-03	6.11E-03	9.90E-04	6.10E-04
1952	566888.84	4216734.33	7.24E-03	6.41E-03	1.04E-03	6.39E-04
1953	566883.13	4216742.22	7.58E-03	6.71E-03	1.09E-03	6.69E-04
1954	566877.42	4216750.1	7.92E-03	7.01E-03	1.14E-03	7.00E-04
1955	566871.7	4216757.99	8.26E-03	7.31E-03	1.18E-03	7.29E-04
1956	566865.99	4216765.87	8.59E-03	7.60E-03	1.23E-03	7.59E-04
1957	566860.28	4216773.76	8.92E-03	7.89E-03	1.28E-03	7.87E-04
1958	566831.72	4216813.18	1.03E-02	9.08E-03	1.47E-03	9.06E-04
1959	566826.01	4216821.07	1.04E-02	9.25E-03	1.50E-03	9.23E-04
1960	566820.29	4216828.95	1.06E-02	9.39E-03	1.52E-03	9.37E-04
1961	566814.58	4216836.84	1.07E-02	9.50E-03	1.54E-03	9.47E-04
1962	566910.4	4216691.1	5.45E-03	4.82E-03	7.81E-04	4.81E-04
1963	566930.82	4216673.62	4.88E-03	4.32E-03	7.00E-04	4.31E-04
1964	566944.44	4216661.96	4.52E-03	4.00E-03	6.47E-04	3.99E-04
1965	566951.25	4216656.14	4.34E-03	3.84E-03	6.22E-04	3.83E-04
1966	567011.43	4216620.72	3.39E-03	3.00E-03	4.86E-04	2.99E-04
1967	566903.59	4216696.93	5.65E-03	5.00E-03	8.09E-04	4.98E-04
1968	566897.88	4216704.81	5.94E-03	5.26E-03	8.52E-04	5.24E-04
1969	566892.17	4216712.7	6.24E-03	5.52E-03	8.95E-04	5.51E-04
1970	566886.45	4216720.58	6.55E-03	5.80E-03	9.39E-04	5.78E-04

1971	566880.74	4216728.47	6.86E-03	6.07E-03	9.84E-04	6.06E-04
1972	566875.03	4216736.35	7.17E-03	6.35E-03	1.03E-03	6.33E-04
1973	566869.32	4216744.24	7.49E-03	6.63E-03	1.07E-03	6.61E-04
1974	566863.6	4216752.12	7.80E-03	6.90E-03	1.12E-03	6.89E-04
1975	566857.89	4216760.01	8.10E-03	7.17E-03	1.16E-03	7.16E-04
1976	566840.76	4216783.66	8.96E-03	7.93E-03	1.28E-03	7.91E-04
1977	566817.91	4216815.2	9.84E-03	8.71E-03	1.41E-03	8.69E-04
1978	566812.19	4216823.09	9.99E-03	8.84E-03	1.43E-03	8.82E-04
1979	566806.48	4216830.97	1.01E-02	8.95E-03	1.45E-03	8.93E-04
1980	566902.6	4216684.98	5.20E-03	4.61E-03	7.46E-04	4.60E-04
1981	566909.7	4216678.9	5.02E-03	4.44E-03	7.19E-04	4.43E-04
1982	566931.01	4216660.66	4.48E-03	3.96E-03	6.42E-04	3.95E-04
1983	566959.43	4216636.33	3.81E-03	3.37E-03	5.46E-04	3.36E-04
1984	566966.54	4216630.25	3.65E-03	3.23E-03	5.24E-04	3.23E-04
1985	566973.64	4216624.17	3.51E-03	3.11E-03	5.03E-04	3.10E-04
1986	566989.84	4216615.91	3.32E-03	2.94E-03	4.76E-04	2.93E-04
1987	567008.02	4216611.54	3.22E-03	2.85E-03	4.61E-04	2.84E-04
1988	567017.11	4216609.35	3.17E-03	2.80E-03	4.54E-04	2.80E-04
1989	567026.21	4216607.16	3.13E-03	2.77E-03	4.48E-04	2.76E-04
1990	567035.3	4216604.98	3.08E-03	2.73E-03	4.42E-04	2.72E-04
1991	567044.39	4216602.79	3.05E-03	2.70E-03	4.37E-04	2.69E-04
1992	567053.48	4216600.6	3.01E-03	2.66E-03	4.32E-04	2.66E-04
1993	567062.57	4216598.42	2.97E-03	2.63E-03	4.27E-04	2.63E-04
1994	567071.67	4216596.23	2.94E-03	2.60E-03	4.22E-04	2.60E-04
1995	567080.76	4216594.05	2.91E-03	2.58E-03	4.18E-04	2.57E-04
1996	566895.49	4216691.06	5.40E-03	4.77E-03	7.74E-04	4.76E-04
1997	566889.78	4216698.94	5.66E-03	5.01E-03	8.12E-04	5.00E-04
1998	566884.07	4216706.83	5.94E-03	5.26E-03	8.52E-04	5.25E-04
1999	566878.36	4216714.71	6.23E-03	5.51E-03	8.93E-04	5.50E-04
2000	566872.64	4216722.6	6.51E-03	5.76E-03	9.34E-04	5.75E-04
2001	566866.93	4216730.48	6.80E-03	6.02E-03	9.75E-04	6.00E-04
2002	566861.22	4216738.37	7.09E-03	6.27E-03	1.02E-03	6.26E-04
2003	566855.51	4216746.25	7.38E-03	6.53E-03	1.06E-03	6.51E-04
2004	566838.37	4216769.91	8.20E-03	7.26E-03	1.18E-03	7.24E-04
2005	566832.66	4216777.79	8.46E-03	7.48E-03	1.21E-03	7.47E-04
2006	566826.95	4216785.68	8.69E-03	7.69E-03	1.25E-03	7.68E-04
2007	566798.38	4216825.1	9.55E-03	8.45E-03	1.37E-03	8.44E-04
2008	566894.22	4216679.35	4.99E-03	4.42E-03	7.16E-04	4.41E-04
2009	566901.06	4216673.5	4.82E-03	4.27E-03	6.92E-04	4.26E-04
2010	566907.89	4216667.65	4.66E-03	4.12E-03	6.68E-04	4.11E-04
2011	566942.04	4216638.42	3.88E-03	3.43E-03	5.56E-04	3.43E-04
2012	566948.87	4216632.57	3.73E-03	3.30E-03	5.35E-04	3.30E-04
2013	566955.71	4216626.73	3.59E-03	3.18E-03	5.15E-04	3.17E-04
2014	566969.37	4216615.03	3.33E-03	2.95E-03	4.77E-04	2.94E-04
2015	566984.94	4216607.08	3.16E-03	2.79E-03	4.53E-04	2.79E-04
2016	567002.43	4216602.88	3.06E-03	2.71E-03	4.39E-04	2.71E-04
2017	567019.91	4216598.68	2.98E-03	2.64E-03	4.28E-04	2.64E-04
2018	567037.4	4216594.47	2.91E-03	2.58E-03	4.17E-04	2.57E-04
2019	567054.88	4216590.27	2.85E-03	2.52E-03	4.08E-04	2.51E-04
2020	567063.62	4216588.17	2.82E-03	2.49E-03	4.04E-04	2.49E-04
2021	566881.68	4216693.08	5.41E-03	4.79E-03	7.76E-04	4.78E-04
2022	566875.97	4216700.96	5.67E-03	5.02E-03	8.13E-04	5.00E-04

2023	566870.26	4216708.85	5.93E-03	5.25E-03	8.50E-04	5.23E-04
2024	566864.54	4216716.73	6.19E-03	5.48E-03	8.88E-04	5.47E-04
2025	566858.83	4216724.62	6.46E-03	5.71E-03	9.26E-04	5.70E-04
2026	566853.12	4216732.5	6.72E-03	5.95E-03	9.64E-04	5.94E-04
2027	566847.41	4216740.39	6.99E-03	6.19E-03	1.00E-03	6.17E-04
2028	566835.98	4216756.16	7.51E-03	6.65E-03	1.08E-03	6.63E-04
2029	566830.27	4216764.04	7.76E-03	6.86E-03	1.11E-03	6.85E-04
2030	566824.56	4216771.93	7.99E-03	7.07E-03	1.15E-03	7.06E-04
2031	566818.85	4216779.81	8.22E-03	7.27E-03	1.18E-03	7.26E-04
2032	566813.13	4216787.7	8.42E-03	7.45E-03	1.21E-03	7.44E-04
2033	566886.4	4216673.25	4.78E-03	4.23E-03	6.86E-04	4.22E-04
2034	566921.92	4216642.84	3.99E-03	3.53E-03	5.73E-04	3.53E-04
2035	566929.03	4216636.76	3.85E-03	3.41E-03	5.52E-04	3.40E-04
2036	566936.13	4216630.68	3.70E-03	3.28E-03	5.31E-04	3.27E-04
2037	566943.24	4216624.6	3.56E-03	3.15E-03	5.11E-04	3.15E-04
2038	566950.34	4216618.52	3.43E-03	3.03E-03	4.91E-04	3.03E-04
2039	566957.44	4216612.44	3.30E-03	2.92E-03	4.73E-04	2.91E-04
2040	566964.55	4216606.36	3.17E-03	2.81E-03	4.55E-04	2.80E-04
2041	566980.75	4216598.09	3.00E-03	2.66E-03	4.31E-04	2.65E-04
2042	567008.02	4216591.54	2.87E-03	2.54E-03	4.12E-04	2.54E-04
2043	567017.11	4216589.35	2.84E-03	2.51E-03	4.07E-04	2.51E-04
2044	567026.21	4216587.16	2.80E-03	2.48E-03	4.02E-04	2.48E-04
2045	567035.3	4216584.98	2.77E-03	2.45E-03	3.97E-04	2.44E-04
2046	567044.39	4216582.79	2.73E-03	2.42E-03	3.92E-04	2.41E-04
2047	567053.48	4216580.6	2.70E-03	2.39E-03	3.88E-04	2.39E-04
2048	567062.57	4216578.42	2.68E-03	2.37E-03	3.84E-04	2.36E-04
2049	567071.67	4216576.23	2.65E-03	2.35E-03	3.80E-04	2.34E-04
2050	567080.76	4216574.05	2.63E-03	2.33E-03	3.77E-04	2.32E-04
2051	566879.3	4216679.33	4.95E-03	4.38E-03	7.10E-04	4.37E-04
2052	566873.58	4216687.21	5.18E-03	4.58E-03	7.43E-04	4.57E-04
2053	566867.87	4216695.1	5.41E-03	4.79E-03	7.76E-04	4.78E-04
2054	566862.16	4216702.98	5.65E-03	5.00E-03	8.10E-04	4.99E-04
2055	566856.45	4216710.87	5.90E-03	5.22E-03	8.45E-04	5.21E-04
2056	566850.73	4216718.75	6.14E-03	5.44E-03	8.81E-04	5.42E-04
2057	566845.02	4216726.64	6.39E-03	5.65E-03	9.16E-04	5.64E-04
2058	566827.89	4216750.29	7.12E-03	6.30E-03	1.02E-03	6.29E-04
2059	566822.17	4216758.18	7.35E-03	6.50E-03	1.05E-03	6.49E-04
2060	566816.46	4216766.06	7.57E-03	6.70E-03	1.09E-03	6.69E-04
2061	566810.75	4216773.95	7.78E-03	6.88E-03	1.12E-03	6.87E-04
2062	566805.04	4216781.83	7.97E-03	7.06E-03	1.14E-03	7.04E-04
2063	566799.32	4216789.72	8.15E-03	7.21E-03	1.17E-03	7.20E-04
2064	566793.61	4216797.6	8.31E-03	7.35E-03	1.19E-03	7.34E-04
2065	566900.71	4216648.2	4.12E-03	3.64E-03	5.90E-04	3.63E-04
2066	566922.84	4216629.26	3.68E-03	3.26E-03	5.28E-04	3.25E-04
2067	566930.22	4216622.94	3.54E-03	3.13E-03	5.08E-04	3.13E-04
2068	566937.6	4216616.63	3.41E-03	3.01E-03	4.88E-04	3.01E-04
2069	566944.97	4216610.32	3.27E-03	2.90E-03	4.70E-04	2.89E-04
2070	566952.35	4216604	3.15E-03	2.79E-03	4.51E-04	2.78E-04
2071	566959.73	4216597.69	3.03E-03	2.68E-03	4.34E-04	2.67E-04
2072	566976.55	4216589.1	2.86E-03	2.53E-03	4.11E-04	2.53E-04
2073	567004.87	4216582.29	2.74E-03	2.42E-03	3.93E-04	2.42E-04
2074	567014.32	4216580.02	2.70E-03	2.39E-03	3.88E-04	2.39E-04

2075	567023.76	4216577.75	2.67E-03	2.36E-03	3.83E-04	2.36E-04
2076	567033.2	4216575.48	2.64E-03	2.33E-03	3.78E-04	2.33E-04
2077	567042.64	4216573.21	2.60E-03	2.30E-03	3.73E-04	2.30E-04
2078	567052.08	4216570.94	2.57E-03	2.28E-03	3.69E-04	2.27E-04
2079	567061.52	4216568.67	2.55E-03	2.26E-03	3.65E-04	2.25E-04
2080	567070.97	4216566.4	2.52E-03	2.23E-03	3.62E-04	2.23E-04
2081	567080.41	4216564.13	2.50E-03	2.21E-03	3.59E-04	2.21E-04
2082	566865.48	4216681.34	4.96E-03	4.39E-03	7.11E-04	4.38E-04
2083	566859.77	4216689.23	5.17E-03	4.58E-03	7.42E-04	4.57E-04
2084	566854.06	4216697.11	5.40E-03	4.77E-03	7.74E-04	4.76E-04
2085	566848.35	4216705	5.62E-03	4.97E-03	8.06E-04	4.96E-04
2086	566842.64	4216712.88	5.85E-03	5.18E-03	8.39E-04	5.17E-04
2087	566825.5	4216736.54	6.54E-03	5.78E-03	9.37E-04	5.77E-04
2088	566819.79	4216744.42	6.76E-03	5.98E-03	9.69E-04	5.97E-04
2089	566814.07	4216752.31	6.98E-03	6.17E-03	1.00E-03	6.16E-04
2090	566808.36	4216760.19	7.18E-03	6.36E-03	1.03E-03	6.34E-04
2091	566802.65	4216768.08	7.38E-03	6.53E-03	1.06E-03	6.52E-04
2092	566796.94	4216775.96	7.56E-03	6.69E-03	1.08E-03	6.68E-04
2093	566791.23	4216783.85	7.73E-03	6.84E-03	1.11E-03	6.83E-04
2094	566785.51	4216791.73	7.88E-03	6.98E-03	1.13E-03	6.96E-04
2095	566779.8	4216799.62	8.02E-03	7.09E-03	1.15E-03	7.08E-04
2096	566877.31	4216655.43	4.27E-03	3.78E-03	6.12E-04	3.77E-04
2097	566884.41	4216649.35	4.13E-03	3.65E-03	5.92E-04	3.65E-04
2098	566891.52	4216643.27	3.99E-03	3.53E-03	5.72E-04	3.52E-04
2099	566898.62	4216637.19	3.85E-03	3.41E-03	5.52E-04	3.40E-04
2100	566919.93	4216618.95	3.46E-03	3.07E-03	4.97E-04	3.06E-04
2101	566927.04	4216612.87	3.34E-03	2.96E-03	4.79E-04	2.95E-04
2102	566934.14	4216606.79	3.22E-03	2.85E-03	4.62E-04	2.85E-04
2103	566941.25	4216600.71	3.10E-03	2.75E-03	4.45E-04	2.74E-04
2104	566948.35	4216594.63	2.99E-03	2.65E-03	4.29E-04	2.64E-04
2105	566955.46	4216588.55	2.88E-03	2.55E-03	4.13E-04	2.55E-04
2106	566971.65	4216580.28	2.74E-03	2.42E-03	3.92E-04	2.42E-04
2107	566998.93	4216573.72	2.62E-03	2.32E-03	3.76E-04	2.31E-04
2108	567008.02	4216571.54	2.59E-03	2.29E-03	3.71E-04	2.29E-04
2109	567017.11	4216569.35	2.56E-03	2.26E-03	3.67E-04	2.26E-04
2110	567026.21	4216567.16	2.53E-03	2.24E-03	3.63E-04	2.23E-04
2111	567035.3	4216564.98	2.50E-03	2.21E-03	3.59E-04	2.21E-04
2112	567044.39	4216562.79	2.47E-03	2.19E-03	3.55E-04	2.18E-04
2113	567053.48	4216560.6	2.45E-03	2.17E-03	3.51E-04	2.16E-04
2114	567062.57	4216558.42	2.43E-03	2.15E-03	3.48E-04	2.14E-04
2115	567071.67	4216556.23	2.40E-03	2.13E-03	3.45E-04	2.12E-04
2116	567080.76	4216554.05	2.38E-03	2.11E-03	3.42E-04	2.10E-04
2117	566851.67	4216683.36	4.95E-03	4.38E-03	7.10E-04	4.37E-04
2118	566845.96	4216691.25	5.16E-03	4.56E-03	7.40E-04	4.55E-04
2119	566840.25	4216699.13	5.37E-03	4.75E-03	7.70E-04	4.74E-04
2120	566823.11	4216722.79	6.01E-03	5.32E-03	8.62E-04	5.31E-04
2121	566817.4	4216730.67	6.22E-03	5.50E-03	8.92E-04	5.49E-04
2122	566811.69	4216738.56	6.43E-03	5.69E-03	9.22E-04	5.68E-04
2123	566805.98	4216746.44	6.63E-03	5.87E-03	9.51E-04	5.85E-04
2124	566800.26	4216754.33	6.82E-03	6.04E-03	9.79E-04	6.03E-04
2125	566794.55	4216762.21	7.01E-03	6.20E-03	1.01E-03	6.19E-04
2126	566788.84	4216770.1	7.18E-03	6.36E-03	1.03E-03	6.34E-04

2127	566783.13	4216777.98	7.34E-03	6.50E-03	1.05E-03	6.48E-04
2128	566777.42	4216785.87	7.49E-03	6.63E-03	1.07E-03	6.61E-04
2129	566771.7	4216793.75	7.62E-03	6.74E-03	1.09E-03	6.72E-04
2130	566765.99	4216801.64	7.73E-03	6.84E-03	1.11E-03	6.82E-04
2131	566862.36	4216655.43	4.23E-03	3.75E-03	6.07E-04	3.74E-04
2132	566869.72	4216649.13	4.10E-03	3.63E-03	5.88E-04	3.62E-04
2133	566877.08	4216642.83	3.96E-03	3.51E-03	5.68E-04	3.50E-04
2134	566884.43	4216636.53	3.83E-03	3.39E-03	5.49E-04	3.38E-04
2135	566891.79	4216630.24	3.70E-03	3.27E-03	5.30E-04	3.26E-04
2136	566913.87	4216611.34	3.32E-03	2.94E-03	4.76E-04	2.93E-04
2137	566921.22	4216605.05	3.20E-03	2.83E-03	4.59E-04	2.83E-04
2138	566928.58	4216598.75	3.09E-03	2.73E-03	4.42E-04	2.72E-04
2139	566935.94	4216592.45	2.97E-03	2.63E-03	4.26E-04	2.62E-04
2140	566943.3	4216586.15	2.86E-03	2.53E-03	4.10E-04	2.53E-04
2141	566950.66	4216579.86	2.76E-03	2.44E-03	3.95E-04	2.43E-04
2142	566967.43	4216571.29	2.62E-03	2.31E-03	3.75E-04	2.31E-04
2143	566976.85	4216569.03	2.58E-03	2.28E-03	3.69E-04	2.27E-04
2144	566995.68	4216564.5	2.50E-03	2.21E-03	3.59E-04	2.21E-04
2145	567005.1	4216562.24	2.47E-03	2.19E-03	3.54E-04	2.18E-04
2146	567014.52	4216559.97	2.44E-03	2.16E-03	3.50E-04	2.16E-04
2147	567023.93	4216557.71	2.41E-03	2.14E-03	3.46E-04	2.13E-04
2148	567033.35	4216555.45	2.39E-03	2.11E-03	3.42E-04	2.11E-04
2149	567042.77	4216553.18	2.36E-03	2.09E-03	3.39E-04	2.09E-04
2150	567052.18	4216550.92	2.34E-03	2.07E-03	3.35E-04	2.07E-04
2151	567061.6	4216548.65	2.32E-03	2.05E-03	3.32E-04	2.05E-04
2152	567071.02	4216546.39	2.30E-03	2.03E-03	3.29E-04	2.03E-04
2153	567080.43	4216544.12	2.28E-03	2.01E-03	3.26E-04	2.01E-04
2154	566855	4216661.73	4.37E-03	3.87E-03	6.27E-04	3.86E-04
2155	566837.86	4216685.38	4.94E-03	4.37E-03	7.08E-04	4.36E-04
2156	566820.73	4216709.04	5.53E-03	4.89E-03	7.93E-04	4.88E-04
2157	566815.02	4216716.92	5.73E-03	5.07E-03	8.22E-04	5.06E-04
2158	566809.3	4216724.81	5.93E-03	5.25E-03	8.50E-04	5.23E-04
2159	566803.59	4216732.69	6.12E-03	5.42E-03	8.78E-04	5.41E-04
2160	566797.88	4216740.58	6.31E-03	5.59E-03	9.05E-04	5.57E-04
2161	566792.17	4216748.46	6.49E-03	5.75E-03	9.31E-04	5.73E-04
2162	566786.45	4216756.35	6.67E-03	5.90E-03	9.56E-04	5.89E-04
2163	566780.74	4216764.23	6.83E-03	6.05E-03	9.80E-04	6.03E-04
2164	566775.03	4216772.12	6.98E-03	6.18E-03	1.00E-03	6.17E-04
2165	566769.32	4216780	7.12E-03	6.30E-03	1.02E-03	6.29E-04
2166	566763.61	4216787.89	7.25E-03	6.41E-03	1.04E-03	6.40E-04
2167	566757.89	4216795.77	7.35E-03	6.51E-03	1.05E-03	6.49E-04
2168	566854.01	4216649.78	4.08E-03	3.61E-03	5.85E-04	3.60E-04
2169	566861.11	4216643.7	3.95E-03	3.50E-03	5.67E-04	3.49E-04
2170	566868.22	4216637.62	3.83E-03	3.39E-03	5.50E-04	3.39E-04
2171	566875.32	4216631.54	3.71E-03	3.29E-03	5.33E-04	3.28E-04
2172	566882.42	4216625.46	3.59E-03	3.18E-03	5.15E-04	3.17E-04
2173	566889.53	4216619.38	3.48E-03	3.08E-03	4.98E-04	3.07E-04
2174	566910.84	4216601.13	3.14E-03	2.78E-03	4.50E-04	2.77E-04
2175	566917.95	4216595.05	3.03E-03	2.68E-03	4.35E-04	2.68E-04
2176	566925.05	4216588.97	2.93E-03	2.59E-03	4.20E-04	2.58E-04
2177	566932.16	4216582.89	2.82E-03	2.50E-03	4.05E-04	2.49E-04
2178	566939.26	4216576.81	2.73E-03	2.41E-03	3.91E-04	2.41E-04

2179	566946.36	4216570.73	2.63E-03	2.33E-03	3.78E-04	2.32E-04
2180	566962.56	4216562.47	2.51E-03	2.22E-03	3.59E-04	2.21E-04
2181	566971.65	4216560.28	2.47E-03	2.19E-03	3.54E-04	2.18E-04
2182	566989.84	4216555.91	2.40E-03	2.13E-03	3.45E-04	2.12E-04
2183	566998.93	4216553.72	2.37E-03	2.10E-03	3.40E-04	2.10E-04
2184	567008.02	4216551.54	2.35E-03	2.08E-03	3.36E-04	2.07E-04
2185	567017.11	4216549.35	2.32E-03	2.05E-03	3.33E-04	2.05E-04
2186	567026.21	4216547.16	2.30E-03	2.03E-03	3.29E-04	2.03E-04
2187	567035.3	4216544.98	2.27E-03	2.01E-03	3.26E-04	2.01E-04
2188	567044.39	4216542.79	2.25E-03	1.99E-03	3.23E-04	1.99E-04
2189	567053.48	4216540.6	2.23E-03	1.97E-03	3.20E-04	1.97E-04
2190	567062.57	4216538.42	2.21E-03	1.96E-03	3.17E-04	1.95E-04
2191	567071.67	4216536.23	2.19E-03	1.94E-03	3.14E-04	1.94E-04
2192	567080.76	4216534.05	2.18E-03	1.93E-03	3.12E-04	1.92E-04
2193	566846.9	4216655.86	4.20E-03	3.72E-03	6.02E-04	3.71E-04
2194	566841.19	4216663.74	4.37E-03	3.87E-03	6.27E-04	3.86E-04
2195	566818.34	4216695.28	5.10E-03	4.51E-03	7.31E-04	4.50E-04
2196	566812.63	4216703.17	5.28E-03	4.68E-03	7.58E-04	4.67E-04
2197	566806.92	4216711.05	5.47E-03	4.84E-03	7.85E-04	4.83E-04
2198	566801.2	4216718.94	5.66E-03	5.01E-03	8.11E-04	4.99E-04
2199	566795.49	4216726.82	5.84E-03	5.17E-03	8.37E-04	5.16E-04
2200	566789.78	4216734.71	6.02E-03	5.32E-03	8.63E-04	5.31E-04
2201	566784.07	4216742.59	6.19E-03	5.48E-03	8.87E-04	5.47E-04
2202	566778.36	4216750.48	6.35E-03	5.62E-03	9.11E-04	5.61E-04
2203	566772.64	4216758.36	6.51E-03	5.76E-03	9.33E-04	5.75E-04
2204	566766.93	4216766.25	6.65E-03	5.89E-03	9.54E-04	5.87E-04
2205	566761.22	4216774.13	6.78E-03	6.00E-03	9.73E-04	5.99E-04
2206	566755.51	4216782.02	6.90E-03	6.11E-03	9.90E-04	6.10E-04
2207	566749.79	4216789.9	7.00E-03	6.20E-03	1.00E-03	6.18E-04
2208	566846.15	4216643.71	3.92E-03	3.47E-03	5.62E-04	3.46E-04
2209	566853.49	4216637.43	3.80E-03	3.37E-03	5.45E-04	3.36E-04
2210	566860.83	4216631.14	3.69E-03	3.26E-03	5.29E-04	3.25E-04
2211	566868.17	4216624.86	3.57E-03	3.16E-03	5.12E-04	3.15E-04
2212	566875.51	4216618.58	3.46E-03	3.06E-03	4.96E-04	3.05E-04
2213	566882.85	4216612.29	3.34E-03	2.96E-03	4.79E-04	2.95E-04
2214	566890.19	4216606.01	3.23E-03	2.86E-03	4.63E-04	2.85E-04
2215	566912.22	4216587.16	2.91E-03	2.58E-03	4.17E-04	2.57E-04
2216	566919.56	4216580.88	2.81E-03	2.49E-03	4.03E-04	2.48E-04
2217	566926.9	4216574.59	2.71E-03	2.40E-03	3.88E-04	2.39E-04
2218	566934.24	4216568.31	2.61E-03	2.31E-03	3.75E-04	2.31E-04
2219	566941.58	4216562.03	2.52E-03	2.23E-03	3.62E-04	2.23E-04
2220	566958.32	4216553.49	2.40E-03	2.12E-03	3.44E-04	2.12E-04
2221	566967.71	4216551.23	2.37E-03	2.09E-03	3.39E-04	2.09E-04
2222	566986.5	4216546.71	2.30E-03	2.04E-03	3.30E-04	2.03E-04
2223	566995.9	4216544.45	2.27E-03	2.01E-03	3.26E-04	2.01E-04
2224	567005.29	4216542.19	2.25E-03	1.99E-03	3.22E-04	1.98E-04
2225	567014.69	4216539.93	2.22E-03	1.96E-03	3.18E-04	1.96E-04
2226	567024.08	4216537.67	2.20E-03	1.94E-03	3.15E-04	1.94E-04
2227	567033.48	4216535.41	2.17E-03	1.92E-03	3.12E-04	1.92E-04
2228	567042.87	4216533.15	2.15E-03	1.91E-03	3.09E-04	1.90E-04
2229	567052.27	4216530.9	2.13E-03	1.89E-03	3.06E-04	1.88E-04
2230	567061.66	4216528.64	2.12E-03	1.87E-03	3.03E-04	1.87E-04

2231	567071.06	4216526.38	2.10E-03	1.86E-03	3.01E-04	1.85E-04
2232	567080.45	4216524.12	2.08E-03	1.84E-03	2.99E-04	1.84E-04
2233	566838.8	4216649.99	4.04E-03	3.57E-03	5.79E-04	3.57E-04
2234	566833.09	4216657.88	4.20E-03	3.72E-03	6.03E-04	3.71E-04
2235	566827.38	4216665.76	4.37E-03	3.87E-03	6.26E-04	3.86E-04
2236	566804.53	4216697.3	5.06E-03	4.47E-03	7.25E-04	4.46E-04
2237	566798.82	4216705.19	5.23E-03	4.63E-03	7.50E-04	4.62E-04
2238	566793.11	4216713.07	5.40E-03	4.78E-03	7.75E-04	4.77E-04
2239	566787.39	4216720.96	5.58E-03	4.93E-03	8.00E-04	4.92E-04
2240	566781.68	4216728.84	5.74E-03	5.08E-03	8.23E-04	5.07E-04
2241	566775.97	4216736.73	5.90E-03	5.22E-03	8.47E-04	5.21E-04
2242	566770.26	4216744.61	6.06E-03	5.36E-03	8.69E-04	5.35E-04
2243	566764.55	4216752.5	6.21E-03	5.49E-03	8.90E-04	5.48E-04
2244	566758.83	4216760.38	6.34E-03	5.61E-03	9.10E-04	5.60E-04
2245	566753.12	4216768.27	6.47E-03	5.73E-03	9.28E-04	5.71E-04
2246	566747.41	4216776.15	6.58E-03	5.82E-03	9.44E-04	5.81E-04
2247	566741.7	4216784.04	6.68E-03	5.91E-03	9.58E-04	5.90E-04
2248	566996.35	4216991.83	7.96E-02	7.05E-02	1.14E-02	7.03E-03
2249	566983.49	4216995.37	6.22E-02	5.50E-02	8.92E-03	5.49E-03
2250	566998.28	4217005.03	6.54E-02	5.79E-02	9.38E-03	5.78E-03
2251	566959.26	4216971.55	5.18E-02	4.59E-02	7.43E-03	4.58E-03
2252	566978.02	4217003.74	5.20E-02	4.60E-02	7.46E-03	4.59E-03
2253	566992.81	4217013.4	5.34E-02	4.73E-02	7.66E-03	4.72E-03
2254	567007.6	4217023.07	5.35E-02	4.74E-02	7.68E-03	4.73E-03
2255	566952.06	4216987.61	4.38E-02	3.87E-02	6.28E-03	3.87E-03
2256	566949.43	4216973.37	4.50E-02	3.98E-02	6.46E-03	3.98E-03
2257	566972.55	4217012.11	4.41E-02	3.90E-02	6.32E-03	3.89E-03
2258	566987.34	4217021.77	4.45E-02	3.94E-02	6.39E-03	3.93E-03
2259	567002.13	4217031.44	4.37E-02	3.87E-02	6.27E-03	3.86E-03
2260	566946.59	4216995.98	3.89E-02	3.44E-02	5.58E-03	3.44E-03
2261	566939.6	4216975.18	3.96E-02	3.51E-02	5.68E-03	3.50E-03
2262	566943.07	4216959.82	4.22E-02	3.73E-02	6.05E-03	3.73E-03
2263	566967.08	4217020.48	3.78E-02	3.34E-02	5.42E-03	3.34E-03
2264	566981.87	4217030.15	3.76E-02	3.33E-02	5.39E-03	3.32E-03
2265	566996.66	4217039.81	3.63E-02	3.22E-02	5.21E-03	3.21E-03
2266	566941.12	4217004.35	3.46E-02	3.06E-02	4.96E-03	3.06E-03
2267	566932.39	4216991.24	3.44E-02	3.04E-02	4.93E-03	3.03E-03
2268	566929.76	4216977	3.53E-02	3.12E-02	5.06E-03	3.12E-03
2269	566933.23	4216961.64	3.75E-02	3.32E-02	5.38E-03	3.32E-03
2270	566961.61	4217028.85	3.26E-02	2.89E-02	4.68E-03	2.88E-03
2271	566976.4	4217038.52	3.21E-02	2.84E-02	4.60E-03	2.83E-03
2272	566991.19	4217048.18	3.06E-02	2.71E-02	4.39E-03	2.70E-03
2273	566935.65	4217012.72	3.08E-02	2.73E-02	4.42E-03	2.72E-03
2274	566926.92	4216999.61	3.11E-02	2.75E-02	4.46E-03	2.75E-03
2275	566919.93	4216978.81	3.17E-02	2.80E-02	4.54E-03	2.80E-03
2276	566923.4	4216963.45	3.37E-02	2.98E-02	4.83E-03	2.97E-03
2277	566926.87	4216948.09	3.47E-02	3.07E-02	4.98E-03	3.06E-03
2278	566956.14	4217037.22	2.84E-02	2.51E-02	4.07E-03	2.51E-03
2279	566930.18	4217021.09	2.75E-02	2.44E-02	3.95E-03	2.43E-03
2280	566921.45	4217007.98	2.81E-02	2.49E-02	4.04E-03	2.49E-03
2281	566912.72	4216994.87	2.79E-02	2.47E-02	4.00E-03	2.47E-03
2282	566910.09	4216980.63	2.86E-02	2.53E-02	4.11E-03	2.53E-03

2283	566913.57	4216965.27	3.04E-02	2.69E-02	4.36E-03	2.69E-03
2284	566917.04	4216949.9	3.14E-02	2.78E-02	4.51E-03	2.78E-03
2285	566965.46	4217055.26	2.39E-02	2.12E-02	3.43E-03	2.11E-03
2286	566980.25	4217064.93	2.24E-02	1.98E-02	3.21E-03	1.98E-03
2287	566924.71	4217029.46	2.46E-02	2.18E-02	3.53E-03	2.17E-03
2288	566915.98	4217016.35	2.55E-02	2.25E-02	3.65E-03	2.25E-03
2289	566907.25	4217003.24	2.56E-02	2.27E-02	3.67E-03	2.26E-03
2290	566900.26	4216982.44	2.61E-02	2.31E-02	3.74E-03	2.30E-03
2291	566903.73	4216967.08	2.76E-02	2.45E-02	3.96E-03	2.44E-03
2292	566907.2	4216951.72	2.86E-02	2.53E-02	4.10E-03	2.53E-03
2293	566910.67	4216936.35	2.89E-02	2.56E-02	4.14E-03	2.55E-03
2294	566945.2	4217053.96	2.19E-02	1.93E-02	3.14E-03	1.93E-03
2295	566959.99	4217063.63	2.09E-02	1.85E-02	2.99E-03	1.84E-03
2296	566974.78	4217073.3	1.94E-02	1.72E-02	2.78E-03	1.71E-03
2297	566917.78	4217035.65	2.23E-02	1.97E-02	3.19E-03	1.97E-03
2298	566908.09	4217021.08	2.32E-02	2.06E-02	3.33E-03	2.05E-03
2299	566898.39	4217006.51	2.34E-02	2.07E-02	3.36E-03	2.07E-03
2300	566890.62	4216983.41	2.39E-02	2.12E-02	3.43E-03	2.11E-03
2301	566894.48	4216966.34	2.54E-02	2.25E-02	3.65E-03	2.25E-03
2302	566898.33	4216949.26	2.63E-02	2.33E-02	3.78E-03	2.33E-03
2303	566900.26	4216940.73	2.65E-02	2.35E-02	3.80E-03	2.34E-03
2304	566939.73	4217062.34	1.93E-02	1.71E-02	2.77E-03	1.71E-03
2305	566954.52	4217072	1.83E-02	1.62E-02	2.63E-03	1.62E-03
2306	566969.31	4217081.67	1.69E-02	1.50E-02	2.43E-03	1.49E-03
2307	566893.26	4217015.39	2.15E-02	1.90E-02	3.09E-03	1.90E-03
2308	566883.66	4217000.97	2.14E-02	1.89E-02	3.07E-03	1.89E-03
2309	566880.77	4216985.31	2.20E-02	1.94E-02	3.15E-03	1.94E-03
2310	566884.58	4216968.41	2.33E-02	2.06E-02	3.35E-03	2.06E-03
2311	566888.4	4216951.51	2.42E-02	2.14E-02	3.47E-03	2.14E-03
2312	566892.22	4216934.61	2.45E-02	2.17E-02	3.51E-03	2.16E-03
2313	566934.25	4217070.71	1.72E-02	1.52E-02	2.46E-03	1.52E-03
2314	566949.05	4217080.37	1.62E-02	1.43E-02	2.32E-03	1.43E-03
2315	566963.84	4217090.04	1.48E-02	1.31E-02	2.13E-03	1.31E-03
2316	566907.11	4217052.79	1.80E-02	1.60E-02	2.59E-03	1.59E-03
2317	566878.54	4217009.88	1.98E-02	1.76E-02	2.85E-03	1.75E-03
2318	566870.92	4216987.19	2.03E-02	1.79E-02	2.91E-03	1.79E-03
2319	566874.7	4216970.43	2.15E-02	1.90E-02	3.08E-03	1.90E-03
2320	566878.49	4216953.67	2.23E-02	1.97E-02	3.20E-03	1.97E-03
2321	566882.28	4216936.91	2.27E-02	2.00E-02	3.25E-03	2.00E-03
2322	566886.06	4216920.15	2.25E-02	1.99E-02	3.23E-03	1.99E-03
2323	566928.78	4217079.08	1.53E-02	1.35E-02	2.19E-03	1.35E-03
2324	566943.58	4217088.74	1.43E-02	1.27E-02	2.05E-03	1.26E-03
2325	566958.37	4217098.41	1.31E-02	1.16E-02	1.88E-03	1.16E-03
2326	566901.74	4217061.31	1.63E-02	1.44E-02	2.33E-03	1.44E-03
2327	566892.28	4217047.1	1.74E-02	1.54E-02	2.49E-03	1.54E-03
2328	566882.83	4217032.9	1.81E-02	1.60E-02	2.59E-03	1.60E-03
2329	566861.07	4216989.07	1.87E-02	1.66E-02	2.69E-03	1.65E-03
2330	566864.83	4216972.42	1.98E-02	1.76E-02	2.85E-03	1.75E-03
2331	566868.59	4216955.78	2.06E-02	1.83E-02	2.96E-03	1.82E-03
2332	566872.35	4216939.13	2.10E-02	1.86E-02	3.01E-03	1.86E-03
2333	566876.11	4216922.49	2.10E-02	1.86E-02	3.01E-03	1.85E-03
2334	566923.31	4217087.45	1.37E-02	1.21E-02	1.96E-03	1.21E-03

2335	566938.11	4217097.12	1.27E-02	1.13E-02	1.83E-03	1.13E-03
2336	566952.9	4217106.78	1.16E-02	1.03E-02	1.67E-03	1.03E-03
2337	566896.35	4217069.81	1.47E-02	1.30E-02	2.11E-03	1.30E-03
2338	566886.95	4217055.69	1.58E-02	1.40E-02	2.27E-03	1.40E-03
2339	566877.55	4217041.56	1.66E-02	1.47E-02	2.38E-03	1.46E-03
2340	566868.15	4217027.44	1.70E-02	1.50E-02	2.44E-03	1.50E-03
2341	566858.75	4217013.32	1.71E-02	1.51E-02	2.45E-03	1.51E-03
2342	566854.96	4216974.38	1.84E-02	1.63E-02	2.64E-03	1.62E-03
2343	566858.7	4216957.84	1.91E-02	1.69E-02	2.74E-03	1.69E-03
2344	566862.44	4216941.29	1.95E-02	1.73E-02	2.80E-03	1.72E-03
2345	566866.18	4216924.75	1.96E-02	1.73E-02	2.81E-03	1.73E-03
2346	566869.92	4216908.2	1.93E-02	1.70E-02	2.76E-03	1.70E-03
2347	566917.84	4217095.82	1.23E-02	1.09E-02	1.76E-03	1.08E-03
2348	566932.64	4217105.49	1.14E-02	1.01E-02	1.63E-03	1.01E-03
2349	566947.43	4217115.15	1.04E-02	9.17E-03	1.49E-03	9.15E-04
2350	566890.95	4217078.29	1.33E-02	1.18E-02	1.91E-03	1.18E-03
2351	566881.6	4217064.24	1.44E-02	1.28E-02	2.07E-03	1.27E-03
2352	566872.25	4217050.19	1.52E-02	1.35E-02	2.18E-03	1.34E-03
2353	566862.9	4217036.14	1.57E-02	1.39E-02	2.25E-03	1.39E-03
2354	566853.55	4217022.09	1.59E-02	1.41E-02	2.28E-03	1.41E-03
2355	566844.2	4217008.04	1.58E-02	1.40E-02	2.27E-03	1.40E-03
2356	566845.1	4216976.33	1.71E-02	1.51E-02	2.45E-03	1.51E-03
2357	566848.82	4216959.86	1.78E-02	1.57E-02	2.55E-03	1.57E-03
2358	566852.54	4216943.4	1.82E-02	1.61E-02	2.61E-03	1.61E-03
2359	566912.37	4217104.19	1.11E-02	9.78E-03	1.59E-03	9.76E-04
2360	566927.17	4217113.86	1.02E-02	9.04E-03	1.47E-03	9.02E-04
2361	566941.96	4217123.53	9.29E-03	8.22E-03	1.33E-03	8.20E-04
2362	566885.54	4217086.75	1.21E-02	1.07E-02	1.74E-03	1.07E-03
2363	566876.23	4217072.76	1.32E-02	1.16E-02	1.89E-03	1.16E-03
2364	566866.93	4217058.78	1.40E-02	1.24E-02	2.00E-03	1.23E-03
2365	566857.62	4217044.79	1.45E-02	1.29E-02	2.09E-03	1.28E-03
2366	566848.31	4217030.81	1.48E-02	1.31E-02	2.13E-03	1.31E-03
2367	566839	4217016.82	1.49E-02	1.32E-02	2.13E-03	1.31E-03
2368	566831.54	4216994.64	1.51E-02	1.34E-02	2.17E-03	1.34E-03
2369	566835.24	4216978.25	1.60E-02	1.41E-02	2.29E-03	1.41E-03
2370	566838.94	4216961.86	1.66E-02	1.47E-02	2.38E-03	1.46E-03
2371	566842.65	4216945.47	1.70E-02	1.50E-02	2.43E-03	1.50E-03
2372	566850.05	4216912.7	1.70E-02	1.50E-02	2.44E-03	1.50E-03
2373	566906.9	4217112.56	1.00E-02	8.85E-03	1.43E-03	8.83E-04
2374	566921.7	4217122.23	9.22E-03	8.16E-03	1.32E-03	8.14E-04
2375	566936.49	4217131.9	8.36E-03	7.40E-03	1.20E-03	7.39E-04
2376	566880.13	4217095.2	1.11E-02	9.78E-03	1.59E-03	9.76E-04
2377	566870.86	4217081.27	1.20E-02	1.07E-02	1.73E-03	1.06E-03
2378	566861.58	4217067.34	1.29E-02	1.14E-02	1.84E-03	1.13E-03
2379	566852.31	4217053.41	1.35E-02	1.19E-02	1.93E-03	1.19E-03
2380	566843.04	4217039.48	1.38E-02	1.22E-02	1.98E-03	1.22E-03
2381	566833.76	4217025.55	1.40E-02	1.24E-02	2.00E-03	1.23E-03
2382	566824.49	4217011.61	1.39E-02	1.23E-02	1.99E-03	1.23E-03
2383	566821.7	4216996.49	1.42E-02	1.26E-02	2.03E-03	1.25E-03
2384	566829.07	4216963.84	1.55E-02	1.37E-02	2.23E-03	1.37E-03
2385	566840.14	4216914.87	1.60E-02	1.42E-02	2.30E-03	1.41E-03
2386	566843.83	4216898.54	1.57E-02	1.39E-02	2.25E-03	1.39E-03

2387	566901.43	4217120.93	9.08E-03	8.04E-03	1.30E-03	8.02E-04
2388	566916.23	4217130.6	8.35E-03	7.39E-03	1.20E-03	7.38E-04
2389	566931.02	4217140.27	7.57E-03	6.70E-03	1.09E-03	6.68E-04
2390	566874.71	4217103.65	1.01E-02	8.94E-03	1.45E-03	8.92E-04
2391	566865.47	4217089.76	1.10E-02	9.76E-03	1.58E-03	9.74E-04
2392	566856.22	4217075.88	1.18E-02	1.05E-02	1.70E-03	1.04E-03
2393	566846.98	4217062	1.25E-02	1.10E-02	1.79E-03	1.10E-03
2394	566837.74	4217048.11	1.29E-02	1.14E-02	1.85E-03	1.14E-03
2395	566828.5	4217034.23	1.31E-02	1.16E-02	1.88E-03	1.16E-03
2396	566819.26	4217020.35	1.31E-02	1.16E-02	1.88E-03	1.16E-03
2397	566811.86	4216998.33	1.33E-02	1.18E-02	1.91E-03	1.18E-03
2398	566826.56	4216933.26	1.51E-02	1.34E-02	2.17E-03	1.34E-03
2399	566830.24	4216916.99	1.51E-02	1.34E-02	2.17E-03	1.33E-03
2400	566833.91	4216900.72	1.49E-02	1.32E-02	2.14E-03	1.32E-03
2401	566895.96	4217129.31	8.27E-03	7.32E-03	1.19E-03	7.30E-04
2402	566910.76	4217138.97	7.59E-03	6.72E-03	1.09E-03	6.71E-04
2403	566925.55	4217148.64	6.88E-03	6.09E-03	9.86E-04	6.07E-04
2404	566858.71	4217096.21	1.03E-02	9.07E-03	1.47E-03	9.05E-04
2405	566848.96	4217081.55	1.10E-02	9.77E-03	1.58E-03	9.75E-04
2406	566839.2	4217066.9	1.17E-02	1.03E-02	1.67E-03	1.03E-03
2407	566829.45	4217052.24	1.21E-02	1.07E-02	1.74E-03	1.07E-03
2408	566819.69	4217037.59	1.23E-02	1.09E-02	1.77E-03	1.09E-03
2409	566809.94	4217022.93	1.23E-02	1.09E-02	1.77E-03	1.09E-03
2410	566813.77	4216948.18	1.41E-02	1.25E-02	2.02E-03	1.25E-03
2411	566817.64	4216931.01	1.43E-02	1.26E-02	2.05E-03	1.26E-03
2412	566821.52	4216913.84	1.43E-02	1.26E-02	2.04E-03	1.26E-03
2413	566825.4	4216896.67	1.40E-02	1.24E-02	2.01E-03	1.24E-03
2414	566890.49	4217137.68	7.55E-03	6.68E-03	1.08E-03	6.67E-04
2415	566905.29	4217147.34	6.93E-03	6.13E-03	9.93E-04	6.12E-04
2416	566920.08	4217157.01	6.27E-03	5.55E-03	8.99E-04	5.54E-04
2417	566843.69	4217090.22	1.02E-02	9.02E-03	1.46E-03	9.00E-04
2418	566833.99	4217075.65	1.08E-02	9.58E-03	1.55E-03	9.56E-04
2419	566824.29	4217061.09	1.13E-02	9.99E-03	1.62E-03	9.96E-04
2420	566814.6	4217046.52	1.16E-02	1.02E-02	1.66E-03	1.02E-03
2421	566804.9	4217031.95	1.17E-02	1.03E-02	1.67E-03	1.03E-03
2422	566795.2	4217017.38	1.16E-02	1.03E-02	1.66E-03	1.02E-03
2423	566803.85	4216950.35	1.33E-02	1.18E-02	1.91E-03	1.18E-03
2424	566807.71	4216933.27	1.35E-02	1.19E-02	1.94E-03	1.19E-03
2425	566809.64	4216924.74	1.35E-02	1.20E-02	1.94E-03	1.19E-03
2426	566813.49	4216907.67	1.34E-02	1.19E-02	1.93E-03	1.19E-03
2427	566817.35	4216890.6	1.32E-02	1.17E-02	1.89E-03	1.16E-03
2428	566885.02	4217146.05	6.92E-03	6.12E-03	9.92E-04	6.11E-04
2429	566899.82	4217155.71	6.33E-03	5.60E-03	9.08E-04	5.59E-04
2430	566914.61	4217165.38	5.73E-03	5.07E-03	8.22E-04	5.06E-04
2431	566857.69	4217127.85	7.87E-03	6.96E-03	1.13E-03	6.95E-04
2432	566848.04	4217113.35	8.68E-03	7.68E-03	1.25E-03	7.67E-04
2433	566819.1	4217069.88	1.05E-02	9.31E-03	1.51E-03	9.29E-04
2434	566809.46	4217055.39	1.08E-02	9.60E-03	1.56E-03	9.58E-04
2435	566799.81	4217040.89	1.10E-02	9.74E-03	1.58E-03	9.72E-04
2436	566790.16	4217026.4	1.10E-02	9.75E-03	1.58E-03	9.73E-04
2437	566786.27	4216986.44	1.18E-02	1.04E-02	1.69E-03	1.04E-03
2438	566790.11	4216969.46	1.22E-02	1.08E-02	1.75E-03	1.08E-03

2439	566797.78	4216935.49	1.28E-02	1.13E-02	1.83E-03	1.13E-03
2440	566801.62	4216918.51	1.28E-02	1.13E-02	1.84E-03	1.13E-03
2441	566805.46	4216901.53	1.27E-02	1.12E-02	1.82E-03	1.12E-03
2442	566809.29	4216884.55	1.24E-02	1.10E-02	1.78E-03	1.10E-03
2443	566894.35	4217164.09	5.81E-03	5.14E-03	8.33E-04	5.13E-04
2444	566909.14	4217173.75	5.26E-03	4.65E-03	7.54E-04	4.64E-04
2445	566852.29	4217136.32	7.24E-03	6.41E-03	1.04E-03	6.39E-04
2446	566842.69	4217121.9	8.01E-03	7.08E-03	1.15E-03	7.07E-04
2447	566833.09	4217107.48	8.71E-03	7.71E-03	1.25E-03	7.69E-04
2448	566794.69	4217049.78	1.04E-02	9.19E-03	1.49E-03	9.17E-04
2449	566785.08	4217035.36	1.05E-02	9.25E-03	1.50E-03	9.23E-04
2450	566772.59	4217005.27	1.06E-02	9.40E-03	1.52E-03	9.38E-04
2451	566776.41	4216988.37	1.11E-02	9.86E-03	1.60E-03	9.83E-04
2452	566780.23	4216971.47	1.16E-02	1.02E-02	1.66E-03	1.02E-03
2453	566787.87	4216937.67	1.21E-02	1.07E-02	1.73E-03	1.07E-03
2454	566791.69	4216920.77	1.22E-02	1.08E-02	1.74E-03	1.07E-03
2455	566795.5	4216903.87	1.21E-02	1.07E-02	1.73E-03	1.07E-03
2456	566799.32	4216886.97	1.19E-02	1.05E-02	1.70E-03	1.05E-03
2457	566803.14	4216870.07	1.15E-02	1.02E-02	1.65E-03	1.02E-03
2458	566874.08	4217162.79	5.84E-03	5.17E-03	8.38E-04	5.16E-04
2459	566888.88	4217172.46	5.34E-03	4.73E-03	7.66E-04	4.72E-04
2460	566903.67	4217182.12	4.84E-03	4.28E-03	6.94E-04	4.27E-04
2461	566846.88	4217144.79	6.68E-03	5.91E-03	9.57E-04	5.90E-04
2462	566837.32	4217130.43	7.39E-03	6.54E-03	1.06E-03	6.53E-04
2463	566827.76	4217116.07	8.07E-03	7.14E-03	1.16E-03	7.13E-04
2464	566818.2	4217101.7	8.66E-03	7.67E-03	1.24E-03	7.65E-04
2465	566808.64	4217087.34	9.16E-03	8.10E-03	1.31E-03	8.09E-04
2466	566762.75	4217007.13	1.01E-02	8.91E-03	1.44E-03	8.90E-04
2467	566766.55	4216990.3	1.06E-02	9.34E-03	1.51E-03	9.32E-04
2468	566770.36	4216973.47	1.10E-02	9.70E-03	1.57E-03	9.68E-04
2469	566774.16	4216956.64	1.13E-02	9.97E-03	1.62E-03	9.95E-04
2470	566781.76	4216922.99	1.16E-02	1.02E-02	1.66E-03	1.02E-03
2471	566785.56	4216906.16	1.15E-02	1.02E-02	1.65E-03	1.02E-03
2472	566789.36	4216889.34	1.14E-02	1.00E-02	1.63E-03	1.00E-03
2473	566793.17	4216872.51	1.11E-02	9.80E-03	1.59E-03	9.78E-04
2474	566868.61	4217171.16	5.39E-03	4.77E-03	7.73E-04	4.76E-04
2475	566898.2	4217190.49	4.47E-03	3.96E-03	6.42E-04	3.95E-04
2476	566831.94	4217138.94	6.84E-03	6.05E-03	9.81E-04	6.04E-04
2477	566822.42	4217124.64	7.48E-03	6.62E-03	1.07E-03	6.60E-04
2478	566812.9	4217110.33	8.06E-03	7.13E-03	1.16E-03	7.12E-04
2479	566803.38	4217096.03	8.55E-03	7.56E-03	1.23E-03	7.55E-04
2480	566793.86	4217081.72	8.94E-03	7.91E-03	1.28E-03	7.89E-04
2481	566784.34	4217067.42	9.21E-03	8.15E-03	1.32E-03	8.14E-04
2482	566752.91	4217008.97	9.57E-03	8.47E-03	1.37E-03	8.45E-04
2483	566756.7	4216992.21	1.00E-02	8.86E-03	1.44E-03	8.85E-04
2484	566760.48	4216975.45	1.04E-02	9.20E-03	1.49E-03	9.18E-04
2485	566764.27	4216958.69	1.07E-02	9.46E-03	1.53E-03	9.44E-04
2486	566771.84	4216925.17	1.10E-02	9.73E-03	1.58E-03	9.71E-04
2487	566775.63	4216908.41	1.10E-02	9.72E-03	1.58E-03	9.70E-04
2488	566779.42	4216891.65	1.09E-02	9.61E-03	1.56E-03	9.59E-04
2489	566783.2	4216874.89	1.06E-02	9.41E-03	1.52E-03	9.39E-04
2490	566786.99	4216858.13	1.03E-02	9.11E-03	1.48E-03	9.10E-04

2491	566863.14	4217179.53	4.99E-03	4.41E-03	7.15E-04	4.40E-04
2492	566892.73	4217198.87	4.15E-03	3.67E-03	5.95E-04	3.66E-04
2493	566826.56	4217147.44	6.34E-03	5.61E-03	9.09E-04	5.60E-04
2494	566817.07	4217133.19	6.94E-03	6.14E-03	9.95E-04	6.13E-04
2495	566807.59	4217118.94	7.50E-03	6.64E-03	1.08E-03	6.62E-04
2496	566798.1	4217104.68	7.98E-03	7.07E-03	1.14E-03	7.05E-04
2497	566788.61	4217090.43	8.38E-03	7.42E-03	1.20E-03	7.40E-04
2498	566779.13	4217076.18	8.68E-03	7.68E-03	1.24E-03	7.66E-04
2499	566769.64	4217061.93	8.87E-03	7.85E-03	1.27E-03	7.83E-04
2500	566743.07	4217010.82	9.11E-03	8.06E-03	1.31E-03	8.04E-04
2501	566746.84	4216994.12	9.52E-03	8.43E-03	1.37E-03	8.41E-04
2502	566750.62	4216977.42	9.88E-03	8.74E-03	1.42E-03	8.72E-04
2503	566754.39	4216960.72	1.02E-02	8.99E-03	1.46E-03	8.97E-04
2504	566758.16	4216944.02	1.04E-02	9.17E-03	1.49E-03	9.15E-04
2505	566765.71	4216910.62	1.05E-02	9.28E-03	1.50E-03	9.26E-04
2506	566769.48	4216893.92	1.04E-02	9.20E-03	1.49E-03	9.18E-04
2507	566773.25	4216877.22	1.02E-02	9.03E-03	1.46E-03	9.01E-04
2508	566777.03	4216860.52	9.93E-03	8.78E-03	1.42E-03	8.77E-04
2509	566857.67	4217187.9	4.63E-03	4.09E-03	6.63E-04	4.09E-04
2510	566872.47	4217197.57	4.24E-03	3.75E-03	6.07E-04	3.74E-04
2511	566887.26	4217207.24	3.85E-03	3.41E-03	5.52E-04	3.40E-04
2512	566821.17	4217155.93	5.89E-03	5.21E-03	8.44E-04	5.20E-04
2513	566811.71	4217141.73	6.45E-03	5.71E-03	9.25E-04	5.70E-04
2514	566802.26	4217127.52	6.98E-03	6.18E-03	1.00E-03	6.17E-04
2515	566792.8	4217113.32	7.46E-03	6.60E-03	1.07E-03	6.59E-04
2516	566783.35	4217099.11	7.86E-03	6.96E-03	1.13E-03	6.94E-04
2517	566773.9	4217084.91	8.17E-03	7.23E-03	1.17E-03	7.21E-04
2518	566764.44	4217070.7	8.39E-03	7.42E-03	1.20E-03	7.41E-04
2519	566745.53	4217042.29	8.56E-03	7.57E-03	1.23E-03	7.55E-04
2520	566736.99	4216996.02	9.07E-03	8.02E-03	1.30E-03	8.01E-04
2521	566740.75	4216979.37	9.40E-03	8.32E-03	1.35E-03	8.30E-04
2522	566744.51	4216962.73	9.67E-03	8.56E-03	1.39E-03	8.54E-04
2523	566748.27	4216946.09	9.87E-03	8.73E-03	1.42E-03	8.72E-04
2524	566755.79	4216912.8	1.00E-02	8.86E-03	1.44E-03	8.84E-04
2525	566759.55	4216896.15	9.95E-03	8.81E-03	1.43E-03	8.79E-04
2526	566763.31	4216879.51	9.80E-03	8.67E-03	1.41E-03	8.66E-04
2527	566767.07	4216862.87	9.57E-03	8.46E-03	1.37E-03	8.45E-04
2528	566770.83	4216846.22	9.25E-03	8.19E-03	1.33E-03	8.17E-04
2529	566852.2	4217196.28	4.30E-03	3.81E-03	6.17E-04	3.80E-04
2530	566867	4217205.94	3.94E-03	3.49E-03	5.65E-04	3.48E-04
2531	566815.77	4217164.41	5.48E-03	4.85E-03	7.86E-04	4.84E-04
2532	566806.35	4217150.25	6.01E-03	5.31E-03	8.61E-04	5.30E-04
2533	566796.92	4217136.09	6.51E-03	5.76E-03	9.34E-04	5.75E-04
2534	566787.49	4217121.93	6.98E-03	6.17E-03	1.00E-03	6.16E-04
2535	566778.07	4217107.77	7.37E-03	6.53E-03	1.06E-03	6.51E-04
2536	566768.64	4217093.61	7.69E-03	6.81E-03	1.10E-03	6.79E-04
2537	566759.22	4217079.44	7.93E-03	7.02E-03	1.14E-03	7.00E-04
2538	566740.37	4217051.12	8.16E-03	7.22E-03	1.17E-03	7.20E-04
2539	566730.94	4217036.96	8.16E-03	7.22E-03	1.17E-03	7.20E-04
2540	566727.14	4216997.91	8.64E-03	7.65E-03	1.24E-03	7.63E-04
2541	566730.89	4216981.32	8.96E-03	7.93E-03	1.28E-03	7.91E-04
2542	566734.64	4216964.72	9.22E-03	8.16E-03	1.32E-03	8.14E-04

2543	566738.39	4216948.13	9.41E-03	8.33E-03	1.35E-03	8.31E-04
2544	566742.13	4216931.54	9.53E-03	8.44E-03	1.37E-03	8.42E-04
2545	566749.63	4216898.35	9.54E-03	8.44E-03	1.37E-03	8.42E-04
2546	566753.38	4216881.76	9.42E-03	8.33E-03	1.35E-03	8.31E-04
2547	566757.13	4216865.17	9.22E-03	8.16E-03	1.32E-03	8.14E-04
2548	566760.88	4216848.57	8.95E-03	7.92E-03	1.28E-03	7.90E-04
2549	566846.73	4217204.65	4.01E-03	3.55E-03	5.75E-04	3.54E-04
2550	566861.53	4217214.31	3.67E-03	3.25E-03	5.27E-04	3.24E-04
2551	566809.43	4217171.47	5.16E-03	4.56E-03	7.40E-04	4.55E-04
2552	566799.65	4217156.78	5.67E-03	5.02E-03	8.13E-04	5.01E-04
2553	566789.88	4217142.1	6.16E-03	5.45E-03	8.84E-04	5.44E-04
2554	566780.1	4217127.41	6.62E-03	5.86E-03	9.49E-04	5.84E-04
2555	566765.44	4217105.39	7.18E-03	6.36E-03	1.03E-03	6.34E-04
2556	566755.67	4217090.7	7.46E-03	6.60E-03	1.07E-03	6.59E-04
2557	566736.12	4217061.33	7.77E-03	6.87E-03	1.11E-03	6.86E-04
2558	566726.34	4217046.64	7.80E-03	6.90E-03	1.12E-03	6.89E-04
2559	566716.57	4217031.96	7.77E-03	6.88E-03	1.11E-03	6.86E-04
2560	566713.63	4217016.01	7.92E-03	7.01E-03	1.14E-03	6.99E-04
2561	566719.46	4216990.2	8.43E-03	7.46E-03	1.21E-03	7.44E-04
2562	566723.34	4216972.99	8.71E-03	7.70E-03	1.25E-03	7.69E-04
2563	566727.23	4216955.79	8.93E-03	7.90E-03	1.28E-03	7.88E-04
2564	566729.18	4216947.18	9.01E-03	7.97E-03	1.29E-03	7.96E-04
2565	566733.06	4216929.97	9.13E-03	8.08E-03	1.31E-03	8.06E-04
2566	566738.9	4216904.16	9.15E-03	8.10E-03	1.31E-03	8.08E-04
2567	566742.78	4216886.96	9.07E-03	8.03E-03	1.30E-03	8.01E-04
2568	566746.67	4216869.75	8.91E-03	7.88E-03	1.28E-03	7.87E-04
2569	566750.56	4216852.54	8.68E-03	7.68E-03	1.24E-03	7.66E-04
2570	566754.45	4216835.33	8.37E-03	7.41E-03	1.20E-03	7.39E-04
2571	566841.26	4217213.02	3.74E-03	3.31E-03	5.36E-04	3.30E-04
2572	566856.06	4217222.68	3.43E-03	3.04E-03	4.92E-04	3.03E-04
2573	566870.85	4217232.35	3.13E-03	2.77E-03	4.50E-04	2.77E-04
2574	566823.53	4217209.24	3.86E-03	3.42E-03	5.54E-04	3.41E-04
2575	566784.59	4217150.74	5.76E-03	5.10E-03	8.26E-04	5.09E-04
2576	566774.86	4217136.12	6.20E-03	5.48E-03	8.89E-04	5.47E-04
2577	566765.12	4217121.49	6.59E-03	5.83E-03	9.45E-04	5.82E-04
2578	566755.39	4217106.87	6.91E-03	6.11E-03	9.91E-04	6.10E-04
2579	566745.65	4217092.24	7.16E-03	6.34E-03	1.03E-03	6.32E-04
2580	566726.18	4217062.99	7.43E-03	6.58E-03	1.07E-03	6.56E-04
2581	566716.45	4217048.37	7.47E-03	6.61E-03	1.07E-03	6.59E-04
2582	566706.71	4217033.74	7.43E-03	6.58E-03	1.07E-03	6.56E-04
2583	566703.78	4217017.86	7.57E-03	6.70E-03	1.09E-03	6.69E-04
2584	566711.53	4216983.59	8.19E-03	7.25E-03	1.17E-03	7.23E-04
2585	566715.4	4216966.45	8.43E-03	7.46E-03	1.21E-03	7.44E-04
2586	566719.27	4216949.32	8.61E-03	7.62E-03	1.23E-03	7.60E-04
2587	566721.21	4216940.75	8.68E-03	7.68E-03	1.24E-03	7.66E-04
2588	566725.08	4216923.61	8.76E-03	7.75E-03	1.26E-03	7.74E-04
2589	566732.82	4216889.34	8.72E-03	7.71E-03	1.25E-03	7.70E-04
2590	566736.69	4216872.2	8.59E-03	7.60E-03	1.23E-03	7.58E-04
2591	566740.57	4216855.06	8.39E-03	7.42E-03	1.20E-03	7.41E-04
2592	566835.79	4217221.39	3.50E-03	3.09E-03	5.01E-04	3.09E-04
2593	566850.59	4217231.06	3.21E-03	2.84E-03	4.60E-04	2.83E-04
2594	566865.38	4217240.72	2.94E-03	2.60E-03	4.21E-04	2.59E-04

2595	566818.08	4217217.64	3.61E-03	3.20E-03	5.18E-04	3.19E-04
2596	566798.68	4217188.5	4.49E-03	3.98E-03	6.44E-04	3.97E-04
2597	566769.59	4217144.8	5.81E-03	5.14E-03	8.33E-04	5.13E-04
2598	566759.89	4217130.23	6.19E-03	5.48E-03	8.87E-04	5.46E-04
2599	566750.2	4217115.66	6.52E-03	5.77E-03	9.34E-04	5.75E-04
2600	566740.5	4217101.09	6.77E-03	5.99E-03	9.71E-04	5.98E-04
2601	566721.11	4217071.95	7.09E-03	6.27E-03	1.02E-03	6.26E-04
2602	566711.41	4217057.38	7.14E-03	6.32E-03	1.02E-03	6.31E-04
2603	566701.71	4217042.81	7.14E-03	6.32E-03	1.02E-03	6.31E-04
2604	566693.94	4217019.71	7.25E-03	6.42E-03	1.04E-03	6.40E-04
2605	566697.8	4217002.64	7.56E-03	6.69E-03	1.08E-03	6.68E-04
2606	566701.66	4216985.57	7.83E-03	6.93E-03	1.12E-03	6.91E-04
2607	566705.51	4216968.5	8.06E-03	7.13E-03	1.16E-03	7.12E-04
2608	566709.37	4216951.43	8.24E-03	7.29E-03	1.18E-03	7.27E-04
2609	566713.23	4216934.36	8.36E-03	7.40E-03	1.20E-03	7.38E-04
2610	566717.08	4216917.28	8.42E-03	7.45E-03	1.21E-03	7.43E-04
2611	566722.87	4216891.68	8.38E-03	7.42E-03	1.20E-03	7.40E-04
2612	566726.73	4216874.61	8.28E-03	7.32E-03	1.19E-03	7.31E-04
2613	566830.32	4217229.76	3.28E-03	2.90E-03	4.70E-04	2.89E-04
2614	566845.12	4217239.43	3.01E-03	2.66E-03	4.31E-04	2.66E-04
2615	566859.91	4217249.09	2.76E-03	2.44E-03	3.96E-04	2.44E-04
2616	566812.62	4217226.04	3.39E-03	3.00E-03	4.86E-04	2.99E-04
2617	566793.3	4217197.01	4.20E-03	3.72E-03	6.03E-04	3.71E-04
2618	566783.64	4217182.49	4.63E-03	4.10E-03	6.64E-04	4.09E-04
2619	566773.97	4217167.97	5.05E-03	4.47E-03	7.24E-04	4.46E-04
2620	566744.99	4217124.42	6.14E-03	5.43E-03	8.81E-04	5.42E-04
2621	566735.32	4217109.9	6.41E-03	5.67E-03	9.19E-04	5.66E-04
2622	566716	4217080.87	6.75E-03	5.97E-03	9.68E-04	5.96E-04
2623	566706.34	4217066.35	6.83E-03	6.05E-03	9.80E-04	6.03E-04
2624	566696.67	4217051.84	6.86E-03	6.07E-03	9.83E-04	6.05E-04
2625	566687.01	4217037.32	6.83E-03	6.04E-03	9.79E-04	6.03E-04
2626	566684.1	4217021.56	6.95E-03	6.15E-03	9.96E-04	6.13E-04
2627	566687.94	4217004.55	7.24E-03	6.40E-03	1.04E-03	6.39E-04
2628	566695.63	4216970.53	7.71E-03	6.83E-03	1.11E-03	6.81E-04
2629	566699.47	4216953.52	7.89E-03	6.98E-03	1.13E-03	6.96E-04
2630	566703.32	4216936.51	8.01E-03	7.09E-03	1.15E-03	7.07E-04
2631	566707.16	4216919.5	8.08E-03	7.15E-03	1.16E-03	7.13E-04
2632	566730.22	4216817.44	7.25E-03	6.42E-03	1.04E-03	6.40E-04
2633	566824.85	4217238.13	3.07E-03	2.72E-03	4.41E-04	2.72E-04
2634	566839.65	4217247.8	2.83E-03	2.50E-03	4.05E-04	2.50E-04
2635	566854.44	4217257.46	2.60E-03	2.30E-03	3.72E-04	2.29E-04
2636	567028.78	4217030.96	5.95E-02	5.27E-02	8.54E-03	5.26E-03
2637	567018.45	4217028.67	5.47E-02	4.84E-02	7.84E-03	4.83E-03
2638	567040.63	4217040.44	5.56E-02	4.92E-02	7.98E-03	4.91E-03
2639	567029.22	4217040.64	4.82E-02	4.26E-02	6.91E-03	4.25E-03
2640	567017.41	4217038.02	4.49E-02	3.98E-02	6.44E-03	3.97E-03
2641	567055.69	4217042.82	6.43E-02	5.69E-02	9.22E-03	5.68E-03
2642	567045.39	4217048.5	4.75E-02	4.21E-02	6.82E-03	4.20E-03
2643	567034.69	4217051.43	3.97E-02	3.52E-02	5.70E-03	3.51E-03
2644	567023.2	4217048.89	3.81E-02	3.37E-02	5.46E-03	3.36E-03
2645	567011.72	4217046.34	3.65E-02	3.23E-02	5.23E-03	3.22E-03
2646	567063.55	4217049.18	5.78E-02	5.11E-02	8.29E-03	5.10E-03

2647	567053.43	4217054.75	4.32E-02	3.82E-02	6.20E-03	3.82E-03
2648	567043.31	4217060.32	3.43E-02	3.03E-02	4.92E-03	3.03E-03
2649	567081.31	4217050.08	7.40E-02	6.54E-02	1.06E-02	6.53E-03
2650	567071.33	4217055.58	5.14E-02	4.54E-02	7.36E-03	4.53E-03
2651	567061.34	4217061.08	3.87E-02	3.43E-02	5.56E-03	3.42E-03
2652	567088.71	4217056.68	6.34E-02	5.61E-02	9.09E-03	5.60E-03
2653	567078.11	4217062.52	4.40E-02	3.90E-02	6.31E-03	3.89E-03
2654	567067.51	4217068.36	3.30E-02	2.92E-02	4.73E-03	2.91E-03
2655	567046.31	4217080.03	2.18E-02	1.93E-02	3.12E-03	1.92E-03
2656	567030.97	4217079.36	2.10E-02	1.86E-02	3.01E-03	1.85E-03
2657	567019.15	4217076.74	2.13E-02	1.88E-02	3.05E-03	1.88E-03
2658	566995.52	4217071.51	2.15E-02	1.90E-02	3.08E-03	1.90E-03
2659	567096.37	4217063.15	5.40E-02	4.78E-02	7.74E-03	4.77E-03
2660	567085.94	4217068.89	3.87E-02	3.42E-02	5.54E-03	3.41E-03
2661	567054.64	4217086.13	1.95E-02	1.72E-02	2.79E-03	1.72E-03
2662	567040.33	4217091.02	1.69E-02	1.50E-02	2.42E-03	1.49E-03
2663	567028.7	4217088.44	1.74E-02	1.54E-02	2.49E-03	1.54E-03
2664	567017.07	4217085.86	1.78E-02	1.58E-02	2.56E-03	1.57E-03
2665	567104.02	4217069.62	4.57E-02	4.04E-02	6.55E-03	4.03E-03
2666	567093.72	4217075.29	3.36E-02	2.98E-02	4.82E-03	2.97E-03
2667	567073.11	4217086.64	2.08E-02	1.84E-02	2.98E-03	1.83E-03
2668	567062.8	4217092.32	1.74E-02	1.54E-02	2.49E-03	1.53E-03
2669	567052.49	4217097.99	1.50E-02	1.33E-02	2.15E-03	1.32E-03
2670	567041.8	4217100.93	1.39E-02	1.23E-02	2.00E-03	1.23E-03
2671	567030.31	4217098.38	1.44E-02	1.28E-02	2.07E-03	1.27E-03
2672	567018.82	4217095.84	1.49E-02	1.32E-02	2.14E-03	1.32E-03
2673	567007.34	4217093.29	1.54E-02	1.36E-02	2.20E-03	1.36E-03
2674	566984.37	4217088.2	1.60E-02	1.41E-02	2.29E-03	1.41E-03
2675	567070.85	4217098.56	1.55E-02	1.37E-02	2.22E-03	1.37E-03
2676	567060.65	4217104.18	1.34E-02	1.18E-02	1.92E-03	1.18E-03
2677	567050.45	4217109.8	1.19E-02	1.05E-02	1.70E-03	1.05E-03
2678	567039.46	4217109.99	1.17E-02	1.04E-02	1.68E-03	1.04E-03
2679	567028.09	4217107.47	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2680	567016.72	4217104.95	1.27E-02	1.13E-02	1.82E-03	1.12E-03
2681	567005.35	4217102.43	1.32E-02	1.17E-02	1.89E-03	1.16E-03
2682	567119.13	4217082.66	3.35E-02	2.97E-02	4.81E-03	2.96E-03
2683	567097.93	4217094.33	1.98E-02	1.75E-02	2.84E-03	1.75E-03
2684	567055.53	4217117.68	1.03E-02	9.13E-03	1.48E-03	9.11E-04
2685	567044.53	4217120.7	9.76E-03	8.63E-03	1.40E-03	8.62E-04
2686	567032.71	4217118.08	1.02E-02	9.04E-03	1.46E-03	9.02E-04
2687	567020.9	4217115.46	1.07E-02	9.45E-03	1.53E-03	9.43E-04
2688	567009.09	4217112.84	1.12E-02	9.87E-03	1.60E-03	9.85E-04
2689	566997.27	4217110.23	1.16E-02	1.03E-02	1.66E-03	1.02E-03
2690	566973.64	4217104.99	1.23E-02	1.09E-02	1.76E-03	1.08E-03
2691	567095.32	4217106.45	1.45E-02	1.29E-02	2.08E-03	1.28E-03
2692	567084.84	4217112.23	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2693	567042.1	4217129.74	8.43E-03	7.46E-03	1.21E-03	7.44E-04
2694	567030.41	4217127.15	8.83E-03	7.81E-03	1.27E-03	7.80E-04
2695	567018.73	4217124.56	9.25E-03	8.19E-03	1.33E-03	8.17E-04
2696	567007.04	4217121.97	9.68E-03	8.57E-03	1.39E-03	8.55E-04
2697	566995.36	4217119.38	1.01E-02	8.93E-03	1.45E-03	8.91E-04
2698	566983.67	4217116.8	1.05E-02	9.25E-03	1.50E-03	9.23E-04

2699	567117.1	4217105.14	1.78E-02	1.57E-02	2.55E-03	1.57E-03
2700	567096.32	4217116.58	1.18E-02	1.05E-02	1.69E-03	1.04E-03
2701	567085.94	4217122.3	1.01E-02	8.93E-03	1.45E-03	8.91E-04
2702	567075.55	4217128.02	8.86E-03	7.84E-03	1.27E-03	7.82E-04
2703	567065.16	4217133.74	7.95E-03	7.03E-03	1.14E-03	7.02E-04
2704	567043.59	4217139.66	7.26E-03	6.42E-03	1.04E-03	6.41E-04
2705	567032.01	4217137.09	7.59E-03	6.72E-03	1.09E-03	6.70E-04
2706	567020.44	4217134.53	7.96E-03	7.04E-03	1.14E-03	7.03E-04
2707	567008.86	4217131.96	8.34E-03	7.38E-03	1.20E-03	7.36E-04
2708	566997.28	4217129.39	8.72E-03	7.71E-03	1.25E-03	7.70E-04
2709	566985.7	4217126.83	9.07E-03	8.02E-03	1.30E-03	8.01E-04
2710	566962.55	4217121.7	9.67E-03	8.56E-03	1.39E-03	8.54E-04
2711	567124.87	4217111.54	1.65E-02	1.46E-02	2.37E-03	1.46E-03
2712	567114.56	4217117.22	1.33E-02	1.17E-02	1.90E-03	1.17E-03
2713	567093.95	4217128.57	9.34E-03	8.26E-03	1.34E-03	8.24E-04
2714	567083.65	4217134.24	8.17E-03	7.23E-03	1.17E-03	7.21E-04
2715	567073.34	4217139.92	7.31E-03	6.47E-03	1.05E-03	6.46E-04
2716	567063.04	4217145.59	6.66E-03	5.90E-03	9.55E-04	5.88E-04
2717	567037.42	4217147.87	6.50E-03	5.75E-03	9.32E-04	5.74E-04
2718	567025.93	4217145.33	6.80E-03	6.02E-03	9.75E-04	6.00E-04
2719	567014.44	4217142.78	7.12E-03	6.30E-03	1.02E-03	6.29E-04
2720	567002.96	4217140.24	7.46E-03	6.60E-03	1.07E-03	6.58E-04
2721	566991.47	4217137.69	7.79E-03	6.89E-03	1.12E-03	6.88E-04
2722	566979.99	4217135.15	8.10E-03	7.16E-03	1.16E-03	7.15E-04
2723	566957.01	4217130.06	8.65E-03	7.65E-03	1.24E-03	7.64E-04
2724	567121.29	4217124.2	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2725	567100.09	4217135.87	8.51E-03	7.53E-03	1.22E-03	7.51E-04
2726	567089.49	4217141.71	7.41E-03	6.56E-03	1.06E-03	6.55E-04
2727	567078.89	4217147.55	6.62E-03	5.86E-03	9.49E-04	5.84E-04
2728	567068.29	4217153.38	6.03E-03	5.33E-03	8.64E-04	5.32E-04
2729	567057.69	4217159.22	5.57E-03	4.93E-03	7.99E-04	4.92E-04
2730	567034.46	4217156.8	5.80E-03	5.13E-03	8.32E-04	5.12E-04
2731	567022.65	4217154.18	6.07E-03	5.37E-03	8.70E-04	5.36E-04
2732	567010.83	4217151.57	6.36E-03	5.62E-03	9.11E-04	5.61E-04
2733	566999.02	4217148.95	6.66E-03	5.89E-03	9.55E-04	5.88E-04
2734	566987.21	4217146.33	6.96E-03	6.16E-03	9.98E-04	6.14E-04
2735	566975.39	4217143.71	7.24E-03	6.41E-03	1.04E-03	6.40E-04
2736	566951.76	4217138.48	7.77E-03	6.88E-03	1.11E-03	6.86E-04
2737	567118.64	4217136.33	9.51E-03	8.42E-03	1.36E-03	8.40E-04
2738	567097.62	4217147.91	6.98E-03	6.18E-03	1.00E-03	6.16E-04
2739	567087.11	4217153.7	6.21E-03	5.49E-03	8.90E-04	5.48E-04
2740	567076.6	4217159.49	5.64E-03	4.99E-03	8.08E-04	4.98E-04
2741	567066.09	4217165.28	5.20E-03	4.60E-03	7.45E-04	4.59E-04
2742	567051.67	4217170.2	4.90E-03	4.33E-03	7.02E-04	4.32E-04
2743	567028.24	4217165.01	5.28E-03	4.67E-03	7.57E-04	4.66E-04
2744	567016.52	4217162.41	5.51E-03	4.88E-03	7.90E-04	4.87E-04
2745	567004.81	4217159.81	5.76E-03	5.10E-03	8.26E-04	5.09E-04
2746	566993.09	4217157.22	6.02E-03	5.33E-03	8.64E-04	5.32E-04
2747	566981.37	4217154.62	6.29E-03	5.56E-03	9.01E-04	5.55E-04
2748	566969.66	4217152.02	6.54E-03	5.79E-03	9.38E-04	5.78E-04
2749	566946.23	4217146.83	7.02E-03	6.22E-03	1.01E-03	6.20E-04
2750	567102.21	4217156.06	6.34E-03	5.61E-03	9.09E-04	5.60E-04

2751	567091.78	4217161.81	5.66E-03	5.01E-03	8.12E-04	5.00E-04
2752	567081.34	4217167.56	5.15E-03	4.56E-03	7.39E-04	4.55E-04
2753	567070.91	4217173.3	4.76E-03	4.21E-03	6.82E-04	4.20E-04
2754	567060.47	4217179.05	4.45E-03	3.93E-03	6.37E-04	3.93E-04
2755	567049.24	4217179.24	4.44E-03	3.93E-03	6.36E-04	3.92E-04
2756	567025.98	4217174.09	4.77E-03	4.22E-03	6.84E-04	4.21E-04
2757	567014.35	4217171.51	4.96E-03	4.39E-03	7.12E-04	4.38E-04
2758	567002.72	4217168.94	5.17E-03	4.58E-03	7.42E-04	4.57E-04
2759	566991.09	4217166.36	5.40E-03	4.78E-03	7.74E-04	4.77E-04
2760	566979.47	4217163.78	5.63E-03	4.98E-03	8.08E-04	4.97E-04
2761	566967.84	4217161.2	5.86E-03	5.19E-03	8.41E-04	5.18E-04
2762	566944.58	4217156.05	6.31E-03	5.59E-03	9.05E-04	5.57E-04
2763	567099.88	4217168.03	5.37E-03	4.75E-03	7.70E-04	4.74E-04
2764	567089.52	4217173.74	4.87E-03	4.31E-03	6.99E-04	4.30E-04
2765	567079.15	4217179.44	4.49E-03	3.97E-03	6.44E-04	3.97E-04
2766	567068.78	4217185.15	4.19E-03	3.70E-03	6.00E-04	3.70E-04
2767	567054.57	4217190.01	3.97E-03	3.52E-03	5.70E-04	3.51E-04
2768	567043.01	4217187.45	4.09E-03	3.62E-03	5.86E-04	3.61E-04
2769	567019.91	4217182.33	4.38E-03	3.88E-03	6.29E-04	3.87E-04
2770	567008.35	4217179.77	4.55E-03	4.03E-03	6.53E-04	4.02E-04
2771	566996.8	4217177.21	4.74E-03	4.19E-03	6.79E-04	4.18E-04
2772	566985.24	4217174.65	4.93E-03	4.37E-03	7.08E-04	4.36E-04
2773	566973.69	4217172.08	5.14E-03	4.55E-03	7.37E-04	4.54E-04
2774	566939.03	4217164.4	5.76E-03	5.10E-03	8.26E-04	5.08E-04
2775	567098.71	4217179.36	4.68E-03	4.14E-03	6.71E-04	4.13E-04
2776	567088.11	4217185.19	4.28E-03	3.79E-03	6.14E-04	3.78E-04
2777	567077.51	4217191.03	3.97E-03	3.52E-03	5.70E-04	3.51E-04
2778	567066.91	4217196.87	3.73E-03	3.30E-03	5.34E-04	3.29E-04
2779	567055.9	4217199.89	3.62E-03	3.20E-03	5.18E-04	3.19E-04
2780	567044.09	4217197.27	3.71E-03	3.29E-03	5.33E-04	3.28E-04
2781	567020.46	4217192.03	3.97E-03	3.51E-03	5.69E-04	3.50E-04
2782	567008.64	4217189.41	4.11E-03	3.64E-03	5.90E-04	3.63E-04
2783	566996.83	4217186.8	4.27E-03	3.78E-03	6.13E-04	3.77E-04
2784	566985.02	4217184.18	4.45E-03	3.94E-03	6.38E-04	3.93E-04
2785	566973.2	4217181.56	4.63E-03	4.10E-03	6.65E-04	4.09E-04
2786	566937.76	4217173.71	5.21E-03	4.61E-03	7.47E-04	4.60E-04
2787	566925.94	4217171.09	5.38E-03	4.76E-03	7.72E-04	4.75E-04
2788	567096.35	4217191.33	4.08E-03	3.61E-03	5.85E-04	3.60E-04
2789	567085.83	4217197.13	3.78E-03	3.34E-03	5.42E-04	3.34E-04
2790	567075.3	4217202.93	3.54E-03	3.13E-03	5.07E-04	3.12E-04
2791	567064.77	4217208.73	3.34E-03	2.96E-03	4.79E-04	2.95E-04
2792	567053.44	4217208.92	3.33E-03	2.95E-03	4.78E-04	2.94E-04
2793	567041.7	4217206.32	3.42E-03	3.03E-03	4.91E-04	3.02E-04
2794	567018.23	4217201.12	3.64E-03	3.22E-03	5.22E-04	3.21E-04
2795	567006.5	4217198.52	3.77E-03	3.33E-03	5.40E-04	3.33E-04
2796	566994.77	4217195.92	3.90E-03	3.45E-03	5.60E-04	3.45E-04
2797	566983.03	4217193.32	4.06E-03	3.59E-03	5.82E-04	3.58E-04
2798	566971.3	4217190.72	4.22E-03	3.73E-03	6.05E-04	3.72E-04
2799	566947.83	4217185.52	4.55E-03	4.03E-03	6.53E-04	4.02E-04
2800	566936.09	4217182.92	4.72E-03	4.18E-03	6.78E-04	4.17E-04
2801	566924.36	4217180.32	4.89E-03	4.33E-03	7.01E-04	4.32E-04
2802	567101.05	4217199.43	3.80E-03	3.36E-03	5.45E-04	3.35E-04

2803	567090.59	4217205.19	3.52E-03	3.12E-03	5.05E-04	3.11E-04
2804	567080.12	4217210.95	3.30E-03	2.92E-03	4.73E-04	2.92E-04
2805	567069.66	4217216.71	3.12E-03	2.76E-03	4.48E-04	2.76E-04
2806	567058.79	4217219.69	3.04E-03	2.69E-03	4.36E-04	2.69E-04
2807	567047.13	4217217.11	3.11E-03	2.75E-03	4.46E-04	2.75E-04
2808	567023.81	4217211.94	3.29E-03	2.91E-03	4.71E-04	2.90E-04
2809	567012.14	4217209.36	3.39E-03	3.00E-03	4.86E-04	2.99E-04
2810	567000.48	4217206.77	3.50E-03	3.10E-03	5.02E-04	3.09E-04
2811	566988.82	4217204.19	3.62E-03	3.21E-03	5.20E-04	3.20E-04
2812	566977.16	4217201.6	3.76E-03	3.33E-03	5.39E-04	3.32E-04
2813	566965.49	4217199.02	3.90E-03	3.45E-03	5.60E-04	3.45E-04
2814	566942.17	4217193.85	4.20E-03	3.72E-03	6.02E-04	3.71E-04
2815	566930.5	4217191.26	4.35E-03	3.85E-03	6.24E-04	3.84E-04
2816	566918.84	4217188.68	4.50E-03	3.99E-03	6.46E-04	3.98E-04
2817	567098.79	4217211.35	3.37E-03	2.98E-03	4.84E-04	2.98E-04
2818	567088.38	4217217.08	3.15E-03	2.79E-03	4.52E-04	2.79E-04
2819	567077.98	4217222.81	2.98E-03	2.64E-03	4.27E-04	2.63E-04
2820	567067.57	4217228.54	2.83E-03	2.51E-03	4.06E-04	2.50E-04
2821	567056.37	4217228.74	2.83E-03	2.50E-03	4.06E-04	2.50E-04
2822	567044.77	4217226.17	2.89E-03	2.56E-03	4.15E-04	2.55E-04
2823	567021.58	4217221.03	3.04E-03	2.69E-03	4.36E-04	2.69E-04
2824	567009.98	4217218.46	3.13E-03	2.77E-03	4.49E-04	2.77E-04
2825	566998.38	4217215.89	3.23E-03	2.86E-03	4.63E-04	2.85E-04
2826	566986.78	4217213.32	3.34E-03	2.95E-03	4.79E-04	2.95E-04
2827	566975.18	4217210.75	3.46E-03	3.06E-03	4.95E-04	3.05E-04
2828	566940.39	4217203.04	3.84E-03	3.40E-03	5.51E-04	3.39E-04
2829	566928.79	4217200.47	3.98E-03	3.52E-03	5.70E-04	3.51E-04
2830	566917.19	4217197.9	4.12E-03	3.64E-03	5.90E-04	3.64E-04
2831	567097.32	4217222.84	3.04E-03	2.69E-03	4.35E-04	2.68E-04
2832	567086.72	4217228.68	2.86E-03	2.53E-03	4.10E-04	2.52E-04
2833	567076.12	4217234.52	2.71E-03	2.40E-03	3.89E-04	2.39E-04
2834	567061.59	4217239.48	2.60E-03	2.30E-03	3.73E-04	2.30E-04
2835	567049.77	4217236.86	2.66E-03	2.35E-03	3.81E-04	2.35E-04
2836	567026.14	4217231.63	2.79E-03	2.46E-03	3.99E-04	2.46E-04
2837	567014.33	4217229.01	2.86E-03	2.53E-03	4.10E-04	2.53E-04
2838	567002.52	4217226.39	2.95E-03	2.61E-03	4.22E-04	2.60E-04
2839	566990.7	4217223.77	3.04E-03	2.69E-03	4.35E-04	2.68E-04
2840	566978.89	4217221.15	3.14E-03	2.77E-03	4.50E-04	2.77E-04
2841	566967.07	4217218.54	3.24E-03	2.87E-03	4.65E-04	2.86E-04
2842	566943.44	4217213.3	3.48E-03	3.08E-03	4.98E-04	3.07E-04
2843	566931.63	4217210.68	3.60E-03	3.18E-03	5.16E-04	3.18E-04
2844	566919.82	4217208.06	3.73E-03	3.30E-03	5.35E-04	3.29E-04
2845	566908	4217205.44	3.86E-03	3.41E-03	5.53E-04	3.41E-04
2846	567091.54	4217236.71	2.69E-03	2.38E-03	3.86E-04	2.38E-04
2847	567081	4217242.51	2.56E-03	2.26E-03	3.67E-04	2.26E-04
2848	567070.46	4217248.32	2.44E-03	2.16E-03	3.50E-04	2.16E-04
2849	567059.11	4217248.52	2.44E-03	2.16E-03	3.49E-04	2.15E-04
2850	567047.37	4217245.91	2.49E-03	2.20E-03	3.57E-04	2.20E-04
2851	567023.87	4217240.71	2.60E-03	2.30E-03	3.73E-04	2.30E-04
2852	567012.13	4217238.1	2.67E-03	2.36E-03	3.83E-04	2.36E-04
2853	567000.38	4217235.5	2.74E-03	2.43E-03	3.93E-04	2.42E-04
2854	566988.63	4217232.9	2.82E-03	2.50E-03	4.05E-04	2.49E-04

2855	566976.89	4217230.29	2.91E-03	2.57E-03	4.17E-04	2.57E-04
2856	566965.14	4217227.69	3.00E-03	2.65E-03	4.30E-04	2.65E-04
2857	566941.64	4217222.48	3.20E-03	2.84E-03	4.59E-04	2.83E-04
2858	566929.9	4217219.88	3.31E-03	2.93E-03	4.75E-04	2.93E-04
2859	566918.15	4217217.28	3.43E-03	3.04E-03	4.92E-04	3.03E-04
2860	566906.4	4217214.67	3.55E-03	3.14E-03	5.09E-04	3.13E-04
2861	567089.34	4217248.6	2.45E-03	2.17E-03	3.52E-04	2.17E-04
2862	567078.85	4217254.38	2.34E-03	2.07E-03	3.36E-04	2.07E-04
2863	567064.47	4217259.29	2.26E-03	2.00E-03	3.24E-04	1.99E-04
2864	567052.79	4217256.7	2.30E-03	2.04E-03	3.30E-04	2.03E-04
2865	567041.1	4217254.11	2.35E-03	2.08E-03	3.37E-04	2.07E-04
2866	567017.73	4217248.93	2.46E-03	2.17E-03	3.52E-04	2.17E-04
2867	567006.04	4217246.34	2.52E-03	2.23E-03	3.61E-04	2.22E-04
2868	566994.36	4217243.75	2.58E-03	2.29E-03	3.70E-04	2.28E-04
2869	566982.67	4217241.16	2.65E-03	2.35E-03	3.80E-04	2.34E-04
2870	566970.99	4217238.57	2.73E-03	2.41E-03	3.91E-04	2.41E-04
2871	566947.61	4217233.39	2.90E-03	2.57E-03	4.16E-04	2.56E-04
2872	566935.93	4217230.8	3.00E-03	2.65E-03	4.30E-04	2.65E-04
2873	566924.24	4217228.21	3.10E-03	2.74E-03	4.44E-04	2.74E-04
2874	566912.56	4217225.62	3.20E-03	2.83E-03	4.59E-04	2.83E-04
2875	566900.87	4217223.03	3.31E-03	2.93E-03	4.75E-04	2.92E-04
2876	567087.18	4217260.47	2.25E-03	1.99E-03	3.23E-04	1.99E-04
2877	567076.74	4217266.22	2.16E-03	1.91E-03	3.09E-04	1.90E-04
2878	567065.91	4217269.19	2.11E-03	1.87E-03	3.03E-04	1.87E-04
2879	567054.28	4217266.61	2.15E-03	1.90E-03	3.08E-04	1.90E-04
2880	567042.65	4217264.03	2.19E-03	1.94E-03	3.14E-04	1.94E-04
2881	567019.39	4217258.88	2.29E-03	2.03E-03	3.28E-04	2.02E-04
2882	567007.76	4217256.3	2.34E-03	2.07E-03	3.36E-04	2.07E-04
2883	566996.13	4217253.73	2.40E-03	2.12E-03	3.44E-04	2.12E-04
2884	566984.51	4217251.15	2.46E-03	2.18E-03	3.52E-04	2.17E-04
2885	566972.88	4217248.57	2.52E-03	2.23E-03	3.62E-04	2.23E-04
2886	566937.99	4217240.84	2.75E-03	2.44E-03	3.95E-04	2.43E-04
2887	566926.36	4217238.26	2.84E-03	2.51E-03	4.07E-04	2.51E-04
2888	566914.73	4217235.69	2.93E-03	2.60E-03	4.21E-04	2.59E-04
2889	566903.1	4217233.11	3.03E-03	2.68E-03	4.35E-04	2.68E-04
2890	566891.47	4217230.53	3.13E-03	2.77E-03	4.49E-04	2.76E-04
2891	567016.08	4217267.73	2.16E-03	1.91E-03	3.10E-04	1.91E-04
2892	567004.26	4217265.11	2.21E-03	1.95E-03	3.17E-04	1.95E-04
2893	566992.45	4217262.49	2.26E-03	2.00E-03	3.24E-04	2.00E-04
2894	566980.63	4217259.87	2.31E-03	2.05E-03	3.32E-04	2.04E-04
2895	566968.82	4217257.26	2.37E-03	2.10E-03	3.40E-04	2.09E-04
2896	566945.19	4217252.02	2.51E-03	2.22E-03	3.59E-04	2.21E-04
2897	566933.38	4217249.4	2.58E-03	2.28E-03	3.70E-04	2.28E-04
2898	566921.56	4217246.78	2.66E-03	2.36E-03	3.82E-04	2.35E-04
2899	566909.75	4217244.17	2.75E-03	2.43E-03	3.94E-04	2.43E-04
2900	566897.94	4217241.55	2.84E-03	2.51E-03	4.07E-04	2.51E-04
2901	566974.66	4217268.13	2.19E-03	1.94E-03	3.14E-04	1.93E-04
2902	566962.91	4217265.53	2.24E-03	1.98E-03	3.22E-04	1.98E-04
2903	566939.39	4217260.32	2.37E-03	2.09E-03	3.39E-04	2.09E-04
2904	566927.64	4217257.71	2.43E-03	2.15E-03	3.49E-04	2.15E-04
2905	566915.88	4217255.11	2.51E-03	2.22E-03	3.60E-04	2.21E-04
2906	566904.13	4217252.5	2.59E-03	2.29E-03	3.71E-04	2.28E-04

2907	566892.37	4217249.9	2.67E-03	2.36E-03	3.83E-04	2.36E-04
2908	567088.05	4217292.03	1.83E-03	1.62E-03	2.62E-04	1.62E-04
2909	567077.55	4217297.82	1.77E-03	1.56E-03	2.53E-04	1.56E-04
2910	567066.25	4217298.01	1.77E-03	1.56E-03	2.53E-04	1.56E-04
2911	567054.55	4217295.42	1.80E-03	1.59E-03	2.58E-04	1.59E-04
2912	567042.85	4217292.83	1.83E-03	1.62E-03	2.63E-04	1.62E-04
2913	566925.82	4217266.89	2.28E-03	2.02E-03	3.27E-04	2.01E-04
2914	566914.12	4217264.3	2.34E-03	2.07E-03	3.36E-04	2.07E-04
2915	566902.41	4217261.71	2.41E-03	2.13E-03	3.46E-04	2.13E-04
2916	566890.71	4217259.11	2.49E-03	2.20E-03	3.57E-04	2.20E-04
2917	567092.9	4217300.05	1.74E-03	1.54E-03	2.50E-04	1.54E-04
2918	567082.44	4217305.8	1.68E-03	1.49E-03	2.42E-04	1.49E-04
2919	567071.59	4217308.78	1.66E-03	1.47E-03	2.38E-04	1.46E-04
2920	567059.94	4217306.2	1.69E-03	1.49E-03	2.42E-04	1.49E-04
2921	567048.28	4217303.62	1.72E-03	1.52E-03	2.46E-04	1.52E-04
2922	567024.98	4217298.45	1.78E-03	1.58E-03	2.55E-04	1.57E-04
2923	567013.32	4217295.87	1.81E-03	1.60E-03	2.60E-04	1.60E-04
2924	567001.67	4217293.29	1.85E-03	1.63E-03	2.65E-04	1.63E-04
2925	566896.79	4217270.05	2.28E-03	2.02E-03	3.27E-04	2.01E-04
2926	566873.49	4217264.88	2.42E-03	2.14E-03	3.47E-04	2.13E-04
2927	566984.36	4217075.23	1.95E-02	1.72E-02	2.79E-03	1.72E-03
2928	566921.49	4217140.18	7.55E-03	6.68E-03	1.08E-03	6.66E-04
2929	566915.24	4217147.99	6.91E-03	6.11E-03	9.91E-04	6.10E-04
2930	566908.99	4217155.79	6.34E-03	5.61E-03	9.10E-04	5.60E-04
2931	566871.81	4217215.7	3.61E-03	3.19E-03	5.18E-04	3.19E-04
2932	566865.55	4217223.5	3.39E-03	3.00E-03	4.86E-04	2.99E-04
2933	566941.1	4216986.91	3.86E-02	3.41E-02	5.53E-03	3.41E-03
2934	567105.11	4217057.3	7.77E-02	6.88E-02	1.11E-02	6.86E-03
2935	567123.77	4217062.54	7.43E-02	6.58E-02	1.07E-02	6.56E-03
2936	567133.1	4217065.16	7.18E-02	6.35E-02	1.03E-02	6.34E-03
2937	567121.07	4217072.17	4.89E-02	4.33E-02	7.01E-03	4.32E-03
2938	567130.4	4217074.79	4.85E-02	4.29E-02	6.96E-03	4.28E-03
2939	566971.93	4217095.26	1.41E-02	1.24E-02	2.02E-03	1.24E-03
2940	566934.25	4217088.37	1.40E-02	1.24E-02	2.01E-03	1.24E-03
2941	566937.86	4217114.93	1.03E-02	9.07E-03	1.47E-03	9.06E-04
2942	566923.51	4217103.3	1.15E-02	1.01E-02	1.64E-03	1.01E-03
2943	566892.71	4216996.09	2.34E-02	2.07E-02	3.36E-03	2.07E-03
2944	566874.6	4217000.12	2.01E-02	1.77E-02	2.88E-03	1.77E-03
2945	566828.79	4217003.34	1.46E-02	1.29E-02	2.09E-03	1.29E-03
2946	566887.02	4217191.93	4.44E-03	3.93E-03	6.36E-04	3.92E-04
2947	566872.25	4217179.96	4.97E-03	4.40E-03	7.13E-04	4.39E-04
2948	566801.76	4217011.12	1.22E-02	1.08E-02	1.75E-03	1.08E-03
2949	567053.43	4217312.85	1.63E-03	1.44E-03	2.33E-04	1.44E-04
2950	567062.76	4217315.47	1.60E-03	1.41E-03	2.29E-04	1.41E-04
2951	567072.09	4217318.09	1.57E-03	1.39E-03	2.26E-04	1.39E-04
2952	566852.55	4217211.27	3.78E-03	3.35E-03	5.43E-04	3.34E-04
2953	566966.74	4217298.87	1.81E-03	1.60E-03	2.59E-04	1.60E-04
2954	566976.07	4217301.49	1.77E-03	1.57E-03	2.54E-04	1.57E-04
2955	566985.4	4217304.12	1.74E-03	1.54E-03	2.50E-04	1.54E-04
2956	566994.73	4217306.74	1.71E-03	1.51E-03	2.45E-04	1.51E-04
2957	567004.06	4217309.36	1.68E-03	1.49E-03	2.41E-04	1.49E-04
2958	567013.4	4217311.98	1.65E-03	1.46E-03	2.37E-04	1.46E-04

2959	567022.73	4217314.61	1.63E-03	1.44E-03	2.33E-04	1.44E-04
2960	567041.39	4217319.85	1.57E-03	1.39E-03	2.25E-04	1.39E-04
2961	567050.72	4217322.47	1.54E-03	1.37E-03	2.21E-04	1.36E-04
2962	567060.05	4217325.1	1.52E-03	1.34E-03	2.18E-04	1.34E-04
2963	567069.39	4217327.72	1.49E-03	1.32E-03	2.14E-04	1.32E-04
2964	566947.27	4217299.85	1.81E-03	1.60E-03	2.59E-04	1.60E-04
2965	566939.83	4217293.83	1.88E-03	1.67E-03	2.70E-04	1.66E-04
2966	566765.45	4217018.17	9.97E-03	8.82E-03	1.43E-03	8.81E-04
2967	566964.03	4217308.5	1.71E-03	1.51E-03	2.45E-04	1.51E-04
2968	566973.36	4217311.12	1.68E-03	1.49E-03	2.41E-04	1.48E-04
2969	566982.7	4217313.74	1.65E-03	1.46E-03	2.37E-04	1.46E-04
2970	566992.03	4217316.36	1.62E-03	1.44E-03	2.33E-04	1.43E-04
2971	567001.36	4217318.99	1.60E-03	1.41E-03	2.29E-04	1.41E-04
2972	567010.69	4217321.61	1.57E-03	1.39E-03	2.25E-04	1.39E-04
2973	567020.02	4217324.23	1.54E-03	1.37E-03	2.21E-04	1.36E-04
2974	567038.69	4217329.48	1.49E-03	1.32E-03	2.14E-04	1.32E-04
2975	567048.02	4217332.1	1.47E-03	1.30E-03	2.10E-04	1.30E-04
2976	567057.35	4217334.72	1.44E-03	1.28E-03	2.07E-04	1.28E-04
2977	567066.68	4217337.34	1.42E-03	1.26E-03	2.04E-04	1.26E-04
2978	566944.61	4217309.52	1.71E-03	1.51E-03	2.45E-04	1.51E-04
2979	566937.23	4217303.54	1.78E-03	1.57E-03	2.55E-04	1.57E-04
2980	566929.85	4217297.55	1.85E-03	1.64E-03	2.65E-04	1.63E-04
2981	566870.79	4217249.69	2.72E-03	2.41E-03	3.91E-04	2.40E-04
2982	566970.66	4217320.75	1.59E-03	1.41E-03	2.29E-04	1.41E-04
2983	566979.99	4217323.37	1.57E-03	1.39E-03	2.25E-04	1.38E-04
2984	566989.32	4217325.99	1.54E-03	1.37E-03	2.21E-04	1.36E-04
2985	566998.65	4217328.61	1.52E-03	1.34E-03	2.18E-04	1.34E-04
2986	567007.98	4217331.24	1.49E-03	1.32E-03	2.14E-04	1.32E-04
2987	567017.32	4217333.86	1.47E-03	1.30E-03	2.11E-04	1.30E-04
2988	567026.65	4217336.48	1.45E-03	1.28E-03	2.07E-04	1.28E-04
2989	567045.31	4217341.73	1.40E-03	1.24E-03	2.01E-04	1.24E-04
2990	567054.64	4217344.35	1.38E-03	1.22E-03	1.97E-04	1.22E-04
2991	567063.97	4217346.97	1.36E-03	1.20E-03	1.94E-04	1.20E-04
2992	566941.95	4217319.18	1.62E-03	1.43E-03	2.32E-04	1.43E-04
2993	566934.62	4217313.24	1.68E-03	1.48E-03	2.40E-04	1.48E-04
2994	566927.28	4217307.29	1.74E-03	1.54E-03	2.50E-04	1.54E-04
2995	566919.95	4217301.35	1.81E-03	1.60E-03	2.60E-04	1.60E-04
2996	566912.61	4217295.41	1.89E-03	1.67E-03	2.71E-04	1.67E-04
2997	566773.24	4217182.46	4.58E-03	4.05E-03	6.57E-04	4.05E-04
2998	566765.91	4217176.51	4.72E-03	4.18E-03	6.77E-04	4.17E-04
2999	566757.86	4217161.15	5.14E-03	4.55E-03	7.37E-04	4.54E-04
3000	566949.29	4217325.13	1.56E-03	1.38E-03	2.24E-04	1.38E-04
3001	566967.95	4217330.37	1.51E-03	1.34E-03	2.17E-04	1.34E-04
3002	566977.28	4217333	1.49E-03	1.32E-03	2.14E-04	1.32E-04
3003	566986.62	4217335.62	1.47E-03	1.30E-03	2.11E-04	1.30E-04
3004	566995.95	4217338.24	1.45E-03	1.28E-03	2.07E-04	1.28E-04
3005	567005.28	4217340.86	1.42E-03	1.26E-03	2.04E-04	1.26E-04
3006	567014.61	4217343.49	1.40E-03	1.24E-03	2.01E-04	1.24E-04
3007	567023.94	4217346.11	1.38E-03	1.22E-03	1.98E-04	1.22E-04
3008	567042.61	4217351.35	1.34E-03	1.18E-03	1.92E-04	1.18E-04
3009	567051.94	4217353.98	1.31E-03	1.16E-03	1.88E-04	1.16E-04
3010	567061.27	4217356.6	1.29E-03	1.14E-03	1.86E-04	1.14E-04

3011	567279.1	4217261.6	4.75E-03	4.20E-03	6.81E-04	4.19E-04
3012	567122.82	4217293.39	1.85E-03	1.64E-03	2.66E-04	1.64E-04
3013	567289.51	4217263.28	4.88E-03	4.32E-03	7.00E-04	4.31E-04
3014	567218.76	4217291.17	2.57E-03	2.27E-03	3.68E-04	2.27E-04
3015	567209.76	4217292.25	2.43E-03	2.15E-03	3.48E-04	2.15E-04
3016	567200.77	4217293.34	2.31E-03	2.04E-03	3.31E-04	2.04E-04
3017	567191.77	4217294.42	2.20E-03	1.95E-03	3.15E-04	1.94E-04
3018	567173.77	4217296.58	2.02E-03	1.79E-03	2.90E-04	1.78E-04
3019	567164.77	4217297.66	1.95E-03	1.73E-03	2.80E-04	1.72E-04
3020	567155.78	4217298.74	1.89E-03	1.67E-03	2.71E-04	1.67E-04
3021	567146.78	4217299.82	1.84E-03	1.63E-03	2.64E-04	1.63E-04
3022	567137.78	4217300.9	1.80E-03	1.59E-03	2.58E-04	1.59E-04
3023	567119.79	4217303.06	1.74E-03	1.54E-03	2.49E-04	1.53E-04
3024	567305.4	4217257.97	5.47E-03	4.84E-03	7.85E-04	4.83E-04
3025	567268.72	4217294.48	3.22E-03	2.85E-03	4.62E-04	2.85E-04
3026	567250.84	4217296.62	2.88E-03	2.55E-03	4.13E-04	2.54E-04
3027	567232.97	4217298.77	2.57E-03	2.27E-03	3.69E-04	2.27E-04
3028	567215.09	4217300.92	2.31E-03	2.04E-03	3.31E-04	2.04E-04
3029	567197.22	4217303.06	2.09E-03	1.85E-03	3.00E-04	1.85E-04
3030	567179.34	4217305.21	1.93E-03	1.71E-03	2.76E-04	1.70E-04
3031	567170.4	4217306.28	1.86E-03	1.65E-03	2.67E-04	1.64E-04
3032	567152.53	4217308.43	1.76E-03	1.55E-03	2.52E-04	1.55E-04
3033	567134.65	4217310.58	1.68E-03	1.49E-03	2.41E-04	1.49E-04
3034	567116.78	4217312.72	1.63E-03	1.45E-03	2.34E-04	1.44E-04
3035	567089.97	4217315.94	1.59E-03	1.41E-03	2.28E-04	1.40E-04
3036	567317.1	4217258.02	5.68E-03	5.03E-03	8.14E-04	5.02E-04
3037	567311.34	4217265.37	5.19E-03	4.59E-03	7.44E-04	4.58E-04
3038	567288.32	4217294.77	3.54E-03	3.13E-03	5.07E-04	3.12E-04
3039	567273.3	4217303.23	3.03E-03	2.68E-03	4.35E-04	2.68E-04
3040	567254.76	4217305.46	2.70E-03	2.39E-03	3.88E-04	2.39E-04
3041	567245.49	4217306.57	2.55E-03	2.26E-03	3.66E-04	2.25E-04
3042	567236.22	4217307.68	2.41E-03	2.13E-03	3.46E-04	2.13E-04
3043	567226.95	4217308.79	2.28E-03	2.02E-03	3.27E-04	2.01E-04
3044	567217.68	4217309.91	2.16E-03	1.91E-03	3.10E-04	1.91E-04
3045	567208.42	4217311.02	2.06E-03	1.82E-03	2.95E-04	1.82E-04
3046	567199.15	4217312.13	1.96E-03	1.74E-03	2.81E-04	1.73E-04
3047	567171.34	4217315.47	1.75E-03	1.55E-03	2.51E-04	1.54E-04
3048	567162.07	4217316.59	1.70E-03	1.50E-03	2.43E-04	1.50E-04
3049	567152.8	4217317.7	1.65E-03	1.46E-03	2.37E-04	1.46E-04
3050	567143.53	4217318.81	1.62E-03	1.43E-03	2.32E-04	1.43E-04
3051	567134.27	4217319.93	1.59E-03	1.41E-03	2.28E-04	1.40E-04
3052	567125	4217321.04	1.56E-03	1.38E-03	2.24E-04	1.38E-04
3053	567115.73	4217322.15	1.55E-03	1.37E-03	2.22E-04	1.36E-04
3054	567097.19	4217324.38	1.52E-03	1.34E-03	2.18E-04	1.34E-04
3055	567087.92	4217325.49	1.51E-03	1.34E-03	2.16E-04	1.33E-04
3056	567078.65	4217326.6	1.50E-03	1.33E-03	2.15E-04	1.33E-04
3057	567401.72	4217164.92	1.11E-02	9.78E-03	1.58E-03	9.76E-04
3058	567384.58	4217186.81	1.03E-02	9.15E-03	1.48E-03	9.13E-04
3059	567378.87	4217194.1	1.00E-02	8.85E-03	1.43E-03	8.83E-04
3060	567373.16	4217201.4	9.61E-03	8.51E-03	1.38E-03	8.49E-04
3061	567367.45	4217208.69	9.19E-03	8.13E-03	1.32E-03	8.12E-04
3062	567356.02	4217223.28	8.25E-03	7.30E-03	1.18E-03	7.29E-04

3063	567350.31	4217230.58	7.75E-03	6.86E-03	1.11E-03	6.85E-04
3064	567344.6	4217237.87	7.25E-03	6.41E-03	1.04E-03	6.40E-04
3065	567327.46	4217259.76	5.75E-03	5.09E-03	8.25E-04	5.08E-04
3066	567304.61	4217288.94	4.02E-03	3.56E-03	5.76E-04	3.55E-04
3067	567298.9	4217296.24	3.66E-03	3.24E-03	5.24E-04	3.23E-04
3068	567293.18	4217303.53	3.33E-03	2.94E-03	4.77E-04	2.94E-04
3069	567278.27	4217311.93	2.86E-03	2.53E-03	4.11E-04	2.53E-04
3070	567269.07	4217313.04	2.71E-03	2.40E-03	3.88E-04	2.39E-04
3071	567250.67	4217315.25	2.42E-03	2.14E-03	3.47E-04	2.14E-04
3072	567241.47	4217316.35	2.29E-03	2.03E-03	3.28E-04	2.02E-04
3073	567232.27	4217317.46	2.17E-03	1.92E-03	3.11E-04	1.92E-04
3074	567223.07	4217318.56	2.06E-03	1.82E-03	2.95E-04	1.82E-04
3075	567213.87	4217319.67	1.96E-03	1.74E-03	2.81E-04	1.73E-04
3076	567204.68	4217320.77	1.87E-03	1.66E-03	2.69E-04	1.66E-04
3077	567195.48	4217321.88	1.80E-03	1.59E-03	2.58E-04	1.59E-04
3078	567177.08	4217324.09	1.67E-03	1.48E-03	2.40E-04	1.48E-04
3079	567167.88	4217325.19	1.62E-03	1.44E-03	2.33E-04	1.43E-04
3080	567158.68	4217326.3	1.58E-03	1.40E-03	2.27E-04	1.40E-04
3081	567149.48	4217327.4	1.55E-03	1.37E-03	2.22E-04	1.37E-04
3082	567140.28	4217328.51	1.52E-03	1.34E-03	2.18E-04	1.34E-04
3083	567131.08	4217329.61	1.50E-03	1.32E-03	2.14E-04	1.32E-04
3084	567121.88	4217330.72	1.48E-03	1.31E-03	2.12E-04	1.30E-04
3085	567094.28	4217334.03	1.44E-03	1.28E-03	2.07E-04	1.27E-04
3086	567085.08	4217335.13	1.43E-03	1.27E-03	2.06E-04	1.27E-04
3087	567075.88	4217336.24	1.43E-03	1.26E-03	2.05E-04	1.26E-04
3088	567394.49	4217189.13	9.98E-03	8.84E-03	1.43E-03	8.82E-04
3089	567388.82	4217196.38	9.69E-03	8.57E-03	1.39E-03	8.56E-04
3090	567383.15	4217203.62	9.35E-03	8.28E-03	1.34E-03	8.26E-04
3091	567377.48	4217210.87	8.97E-03	7.94E-03	1.29E-03	7.93E-04
3092	567371.8	4217218.11	8.56E-03	7.58E-03	1.23E-03	7.56E-04
3093	567366.13	4217225.36	8.13E-03	7.19E-03	1.17E-03	7.18E-04
3094	567360.46	4217232.6	7.67E-03	6.79E-03	1.10E-03	6.77E-04
3095	567354.78	4217239.85	7.20E-03	6.37E-03	1.03E-03	6.36E-04
3096	567349.11	4217247.09	6.73E-03	5.96E-03	9.65E-04	5.94E-04
3097	567315.07	4217290.56	4.13E-03	3.65E-03	5.92E-04	3.64E-04
3098	567309.4	4217297.81	3.77E-03	3.33E-03	5.40E-04	3.33E-04
3099	567298.05	4217312.3	3.13E-03	2.77E-03	4.49E-04	2.77E-04
3100	567283.24	4217320.64	2.71E-03	2.40E-03	3.88E-04	2.39E-04
3101	567274.11	4217321.74	2.56E-03	2.27E-03	3.68E-04	2.26E-04
3102	567246.7	4217325.03	2.18E-03	1.93E-03	3.13E-04	1.92E-04
3103	567237.56	4217326.12	2.07E-03	1.83E-03	2.97E-04	1.83E-04
3104	567228.43	4217327.22	1.97E-03	1.74E-03	2.82E-04	1.74E-04
3105	567219.29	4217328.32	1.87E-03	1.66E-03	2.69E-04	1.66E-04
3106	567210.15	4217329.42	1.79E-03	1.59E-03	2.57E-04	1.58E-04
3107	567201.02	4217330.51	1.72E-03	1.52E-03	2.47E-04	1.52E-04
3108	567191.88	4217331.61	1.66E-03	1.47E-03	2.38E-04	1.46E-04
3109	567173.61	4217333.81	1.56E-03	1.38E-03	2.23E-04	1.37E-04
3110	567164.47	4217334.9	1.52E-03	1.34E-03	2.17E-04	1.34E-04
3111	567155.34	4217336	1.48E-03	1.31E-03	2.12E-04	1.31E-04
3112	567146.2	4217337.1	1.45E-03	1.29E-03	2.09E-04	1.28E-04
3113	567137.06	4217338.19	1.43E-03	1.27E-03	2.05E-04	1.26E-04
3114	567127.93	4217339.29	1.41E-03	1.25E-03	2.03E-04	1.25E-04

3115	567118.79	4217340.39	1.40E-03	1.24E-03	2.01E-04	1.24E-04
3116	567100.52	4217342.58	1.38E-03	1.22E-03	1.98E-04	1.22E-04
3117	567091.38	4217343.68	1.37E-03	1.21E-03	1.97E-04	1.21E-04
3118	567082.25	4217344.78	1.37E-03	1.21E-03	1.96E-04	1.21E-04
3119	567073.11	4217345.87	1.36E-03	1.20E-03	1.95E-04	1.20E-04
3120	567398.75	4217198.68	9.38E-03	8.30E-03	1.35E-03	8.29E-04
3121	567393.11	4217205.88	9.09E-03	8.04E-03	1.30E-03	8.02E-04
3122	567381.84	4217220.27	8.38E-03	7.42E-03	1.20E-03	7.40E-04
3123	567370.56	4217234.67	7.57E-03	6.70E-03	1.09E-03	6.69E-04
3124	567364.93	4217241.87	7.14E-03	6.32E-03	1.02E-03	6.31E-04
3125	567353.65	4217256.27	6.26E-03	5.54E-03	8.98E-04	5.53E-04
3126	567325.47	4217292.26	4.22E-03	3.73E-03	6.05E-04	3.73E-04
3127	567319.83	4217299.46	3.87E-03	3.42E-03	5.54E-04	3.41E-04
3128	567308.56	4217313.86	3.23E-03	2.86E-03	4.64E-04	2.86E-04
3129	567288.21	4217329.34	2.56E-03	2.27E-03	3.68E-04	2.26E-04
3130	567279.13	4217330.43	2.43E-03	2.15E-03	3.49E-04	2.15E-04
3131	567270.06	4217331.52	2.31E-03	2.04E-03	3.31E-04	2.04E-04
3132	567251.9	4217333.71	2.08E-03	1.84E-03	2.98E-04	1.83E-04
3133	567242.82	4217334.8	1.97E-03	1.75E-03	2.83E-04	1.74E-04
3134	567233.74	4217335.89	1.88E-03	1.66E-03	2.69E-04	1.66E-04
3135	567224.67	4217336.98	1.79E-03	1.59E-03	2.57E-04	1.58E-04
3136	567215.59	4217338.07	1.72E-03	1.52E-03	2.46E-04	1.51E-04
3137	567206.51	4217339.16	1.65E-03	1.46E-03	2.36E-04	1.45E-04
3138	567197.43	4217340.25	1.59E-03	1.40E-03	2.28E-04	1.40E-04
3139	567179.28	4217342.43	1.49E-03	1.32E-03	2.14E-04	1.32E-04
3140	567170.2	4217343.52	1.45E-03	1.29E-03	2.08E-04	1.28E-04
3141	567161.12	4217344.61	1.42E-03	1.26E-03	2.04E-04	1.25E-04
3142	567152.05	4217345.7	1.39E-03	1.23E-03	2.00E-04	1.23E-04
3143	567142.97	4217346.79	1.37E-03	1.21E-03	1.97E-04	1.21E-04
3144	567133.89	4217347.88	1.35E-03	1.20E-03	1.94E-04	1.20E-04
3145	567124.81	4217348.97	1.34E-03	1.19E-03	1.92E-04	1.18E-04
3146	567115.74	4217350.06	1.33E-03	1.18E-03	1.91E-04	1.17E-04
3147	567097.58	4217352.24	1.31E-03	1.16E-03	1.88E-04	1.16E-04
3148	567088.5	4217353.33	1.31E-03	1.16E-03	1.87E-04	1.15E-04
3149	567079.42	4217354.42	1.30E-03	1.15E-03	1.87E-04	1.15E-04
3150	567070.35	4217355.51	1.30E-03	1.15E-03	1.86E-04	1.15E-04

PM 10				
Tons/Yr	T2	T3	T4I	T4f
Year 1	0.0491	0.0426	0.00515	0.004485
Year 2	0.053	0.0469	0.0076	0.00468
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
Lbs /Yr	T2	T3	T4I	T4f
Year 1	98.2	85.2	10.3	8.97
Year 2	106	93.8	15.2	9.36
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
% Chng	T2	T3	T4I	T4f
Year 1	100%	87%	10%	9%
Year 2	100%	88%	14%	9%
Year 3	0%	0%	0%	0%
Year 4	0%	0%	0%	0%

	HARP Adjustment						
	Hr/Day		Days/Wk		Wk/Yr		
	24	X	7	X	52	=	3.73
Scalar	9		5		52		

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** Lakes Environmental AERMOD MPI
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** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 12/28/2025
** File: D:\LSA\2025\20252389\Construction\Construction.ADI
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**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2025\20252389\Construction\Construction.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 123475 Vajello
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL Construction.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   567136.310  4217049.536       15.760
** Source Parameters **
   SRCPARAM CONST        0.0000433104     3.048         8
   AREAVERT CONST        567136.310 4217049.536 567064.591 4217027.871
   AREAVERT CONST        567066.458 4217020.400 566998.101 4216970.720
   AREAVERT CONST        567097.462 4216838.861 567199.811 4216913.569
   AREAVERT CONST        567162.457 4216977.817 567141.166 4217051.778
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   SRCGROUP CONST    CONST
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Construction.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\VALLEJO_2013-2017.SFC
   PROFFILE ..\VALLEJO_2013-2017.PFL
   SURFDATA 93227 2013
   UAIRDATA 23230 2013 OAKLAND/WSO_AP
   SITEDATA 8903 2013
   PROFBASE 6.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST 1ST Construction.AD\01H1G001.PLT 31
   PLOTFILE PERIOD CONST Construction.AD\PE00G001.PLT 32
   SUMMFILE Construction.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403      86       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE = F
     * Model Uses NO WET DEPLETION. WETDPLT = F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for   1 Source(s),
       for Total of   1 Urban Area(s):
  Urban Population =   123475.0 ; Urban Roughness Length = 1.000 m
     * Urban Roughness Length of 1.0 Meter Used.
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
    and Calculates PERIOD Averages

**This Run Includes: 1 Source(s);   1 Source Group(s); and   3150 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)
                and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 18081

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   6.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

```
**Approximate Storage Requirements of Model =      3.9 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   Construction.err
**File for Summary of Results:   Construction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.43310E-04	567136.3	4217049.5	15.8	3.05	8	0.00	YES	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	123475.	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\VALLEJO_2013-2017.SFC Met Version: 18081
Profile file: ..\VALLEJO_2013-2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93227 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2013 Year: 2013

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
13	01	01	1	01	-4.9	0.086	-9.000	-9.000	-999.	61.	11.9	0.31	1.10	1.00	1.50	355.	10.0	277.1	8.1
13	01	01	1	02	-4.5	0.084	-9.000	-9.000	-999.	58.	11.7	0.35	1.10	1.00	1.40	103.	10.0	276.6	8.1
13	01	01	1	03	-0.7	0.035	-9.000	-9.000	-999.	16.	5.2	0.31	1.10	1.00	0.60	5.	10.0	276.4	8.1
13	01	01	1	04	-4.2	0.084	-9.000	-9.000	-999.	58.	12.8	0.35	1.10	1.00	1.40	85.	10.0	277.2	8.1
13	01	01	1	05	-13.6	0.237	-9.000	-9.000	-999.	276.	88.4	0.30	1.10	1.00	2.40	113.	10.0	278.9	8.1
13	01	01	1	06	-15.6	0.227	-9.000	-9.000	-999.	260.	68.6	0.30	1.10	1.00	2.40	117.	10.0	278.6	8.1
13	01	01	1	07	-11.3	0.115	-9.000	-9.000	-999.	100.	12.1	0.30	1.10	1.00	2.00	128.	10.0	277.5	8.1
13	01	01	1	08	-2.8	0.057	-9.000	-9.000	-999.	34.	6.1	0.30	1.10	1.00	1.00	147.	10.0	276.4	8.1
13	01	01	1	09	-0.2	0.024	-9.000	-9.000	-999.	9.	5.9	0.35	1.10	0.40	0.40	63.	10.0	276.9	8.1
13	01	01	1	10	44.0	0.247	0.519	0.005	116.	295.	-31.3	0.30	1.10	0.27	1.80	128.	10.0	278.9	8.1
13	01	01	1	11	82.6	0.227	0.846	0.005	268.	261.	-13.0	0.35	1.10	0.22	1.40	99.	10.0	280.4	8.1
13	01	01	1	12	104.8	0.406	1.278	0.008	727.	620.	-58.1	0.35	1.10	0.21	3.00	83.	10.0	282.4	8.1
13	01	01	1	13	108.8	0.472	1.388	0.008	897.	777.	-87.8	0.35	1.10	0.20	3.60	70.	10.0	283.5	8.1
13	01	01	1	14	94.8	0.490	1.341	0.007	926.	823.	-113.0	0.35	1.10	0.21	3.80	69.	10.0	284.9	8.1
13	01	01	1	15	63.2	0.627	1.179	0.005	946.	1190.	-354.9	0.35	1.10	0.25	5.10	63.	10.0	285.4	8.1
13	01	01	1	16	17.0	0.533	0.762	0.006	950.	943.	-810.4	0.35	1.10	0.33	4.40	69.	10.0	285.2	8.1
13	01	01	1	17	-38.8	0.403	-9.000	-9.000	-999.	628.	152.8	0.35	1.10	0.57	3.70	90.	10.0	284.2	8.1
13	01	01	1	18	-35.3	0.310	-9.000	-9.000	-999.	420.	76.9	0.35	1.10	1.00	3.10	87.	10.0	282.5	8.1
13	01	01	1	19	-7.2	0.092	-9.000	-9.000	-999.	140.	9.8	0.30	1.10	1.00	1.60	126.	10.0	280.9	8.1
13	01	01	1	20	-7.6	0.096	-9.000	-9.000	-999.	71.	10.4	0.35	1.10	1.00	1.60	106.	10.0	280.4	8.1
13	01	01	1	21	-5.9	0.084	-9.000	-9.000	-999.	58.	9.1	0.35	1.10	1.00	1.40	81.	10.0	279.8	8.1
13	01	01	1	22	-5.9	0.084	-9.000	-9.000	-999.	58.	9.1	0.35	1.10	1.00	1.40	70.	10.0	278.2	8.1
13	01	01	1	23	-2.8	0.058	-9.000	-9.000	-999.	33.	6.1	0.31	1.10	1.00	1.00	1.	10.0	277.5	8.1
13	01	01	1	24	-0.5	0.023	-9.000	-9.000	-999.	9.	2.4	0.31	1.10	1.00	0.40	353.	10.0	276.4	8.1

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
13	01	01	01	8.1	0	-999.	-99.00	277.2	999.0	-99.00	-99.00
13	01	01	01	10.0	1	355.	1.50	-999.0	25.7	-99.00	0.61

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	1ST HIGHEST VALUE IS	30.46827 AT (567182.66, 4216974.43, 17.30, 17.30, 0.00)	DC	
	2ND HIGHEST VALUE IS	30.13710 AT (567178.64, 4216983.73, 17.17, 17.17, 0.00)	DC	
	3RD HIGHEST VALUE IS	30.13502 AT (567169.67, 4217006.41, 16.87, 16.87, 0.00)	DC	
	4TH HIGHEST VALUE IS	28.14387 AT (567176.43, 4216996.07, 17.09, 17.09, 0.00)	DC	
	5TH HIGHEST VALUE IS	27.07618 AT (567165.48, 4217025.73, 16.73, 16.73, 0.00)	DC	
	6TH HIGHEST VALUE IS	25.08114 AT (567173.61, 4217015.19, 17.00, 17.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	24.12341 AT (567192.30, 4216977.06, 17.62, 17.62, 0.00)	DC	
	8TH HIGHEST VALUE IS	24.06769 AT (567187.53, 4216987.36, 17.46, 17.46, 0.00)	DC	
	9TH HIGHEST VALUE IS	23.63008 AT (567180.87, 4217004.78, 17.24, 17.24, 0.00)	DC	
	10TH HIGHEST VALUE IS	21.88442 AT (567169.65, 4217034.48, 16.87, 16.87, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	HIGH 1ST HIGH VALUE IS 1298.29485	ON 15100807:	AT (567123.77, 4217062.54, 15.13, 15.13, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   1007 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   85 Calm Hours Identified

A Total of   922 Missing Hours Identified (2.10 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W403   86   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W403   1   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data

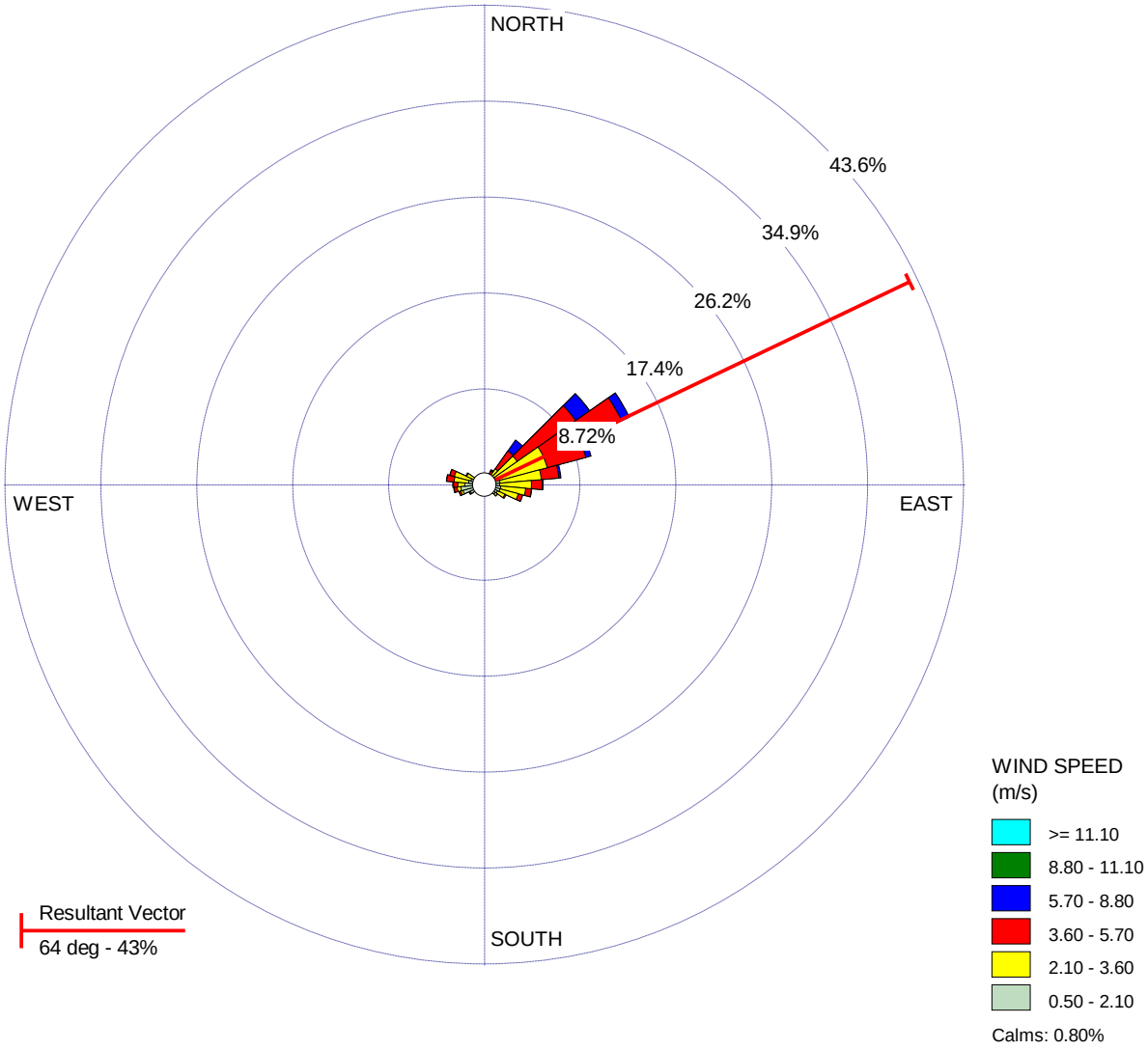
   ****
   *** AERMOD Finishes Successfully ***
   ****

WIND ROSE PLOT:

Station #93227 - VALLEJO_2013-2017

DISPLAY:

Wind Speed
Flow Vector (blowing to)



COMMENTS:	DATA PERIOD: **Start Date: 1/1/2013 - 00:00** **End Date: 12/31/2017 - 23:59**	COMPANY NAME: **LSA**	
		MODELER:	
	CALM WINDS: **0.80%**	TOTAL COUNT: **43320 hrs.**	
	AVG. WIND SPEED: **2.85 m/s**	DATE: **8/8/2025**	PROJECT NO.:

HARP2 - HRACalc (dated 22118) 12/29/2025 3:19:53 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year1_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 12/29/2025 3:29:09 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 1
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year2_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 12/30/2025 12:02:02 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year1_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 12/30/2025 1:13:20 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 17
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year2_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 12/30/2025 1:22:21 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 4
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year1_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 12/30/2025 1:26:37 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 5
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year2_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2025\20252389\HARP_CONST\hra\Const_School_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP Project Summary Report 12/30/2025 1:29:27 PM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_CONST
Project Output Directory: D:\LSA\2025\20252389\HARP_CONST
HARP Database: NA

POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH25268
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1			5		

APPENDIX C

NOISE MEASUREMENT SHEETS

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Noise Measurement Survey – 24 HR

Project Number: 20252389
Project Name: Franklin Rec Center

Test Personnel: Moe Abushanab
Equipment: LD Spark 706RC (SN: 18907)

Site Number: LT-1

Date: From 11/6/2025 To 11/7/2025
Time: From 2:00 p.m. To 2:00 p.m.

Site Location: On a tree near southwest corner of project site along Wallace Avenue, approximately 45 feet away from the Wallace Avenue centerline.

Primary Noise Sources: Occasional traffic on Wallace Avenue, Starr Avenue
Background traffic on Benicia Road
neighborhood noise

Comments:

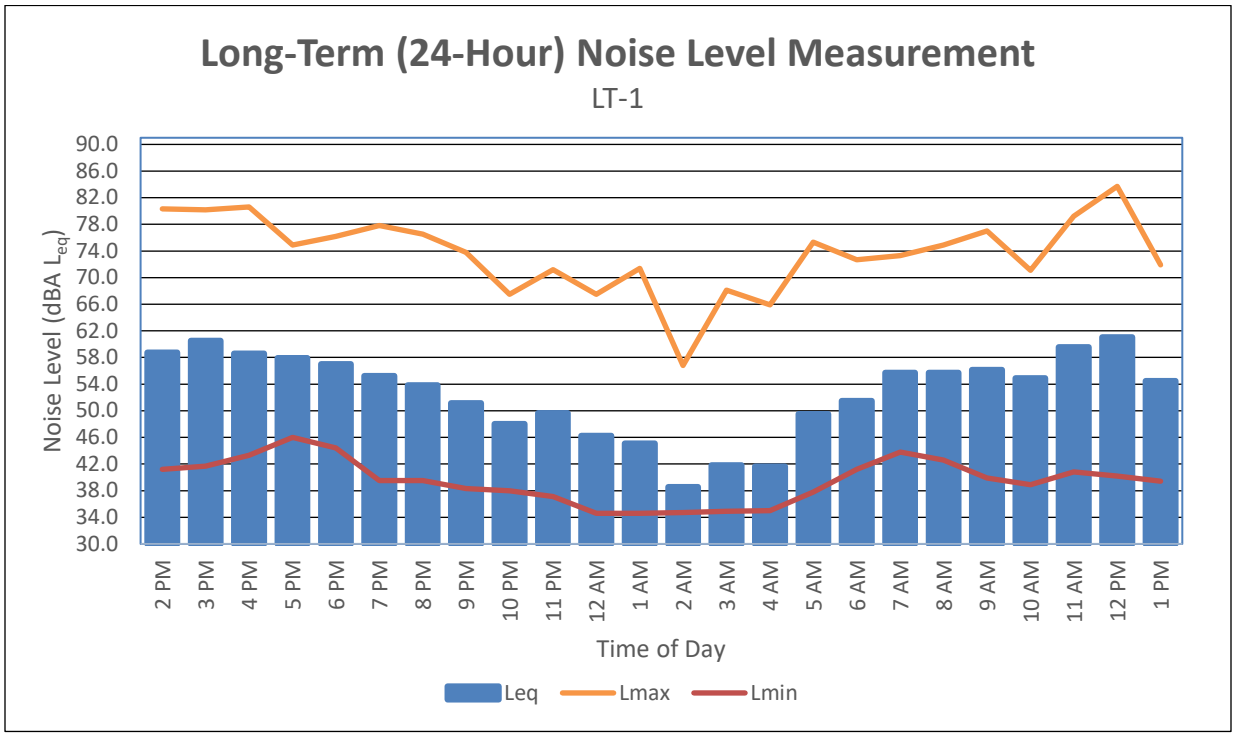
Photo:



Long-Term (24-Hour) Noise Level Measurement Results at LT-1

Start Time	Date	Noise Level (dBA)		
		L_{eq}	L_{max}	L_{min}
2:00 PM	11/6/2025	58.7	80.3	41.2
3:00 PM	11/6/2025	60.5	80.2	41.7
4:00 PM	11/6/2025	58.6	80.6	43.3
5:00 PM	11/6/2025	57.9	74.9	46.0
6:00 PM	11/6/2025	57.0	76.2	44.4
7:00 PM	11/6/2025	55.4	77.8	39.5
8:00 PM	11/6/2025	53.8	76.5	39.5
9:00 PM	11/6/2025	51.1	73.8	38.3
10:00 PM	11/6/2025	48.0	67.5	38.0
11:00 PM	11/6/2025	49.6	71.2	37.1
12:00 AM	11/7/2025	46.2	67.5	34.6
1:00 AM	11/7/2025	45.1	71.4	34.6
2:00 AM	11/7/2025	38.5	56.8	34.7
3:00 AM	11/7/2025	41.8	68.1	34.9
4:00 AM	11/7/2025	41.6	84.2	35.0
5:00 AM	11/7/2025	49.5	75.3	37.8
6:00 AM	11/7/2025	51.5	72.7	41.2
7:00 AM	11/7/2025	55.7	73.3	43.8
8:00 AM	11/7/2025	55.7	74.9	42.6
9:00 AM	11/7/2025	58.3	82.1	39.9
10:00 AM	11/7/2025	56.8	82.9	38.9
11:00 AM	11/7/2025	59.6	79.2	40.8
12:00 PM	11/7/2025	61.0	83.7	40.2
1:00 PM	11/7/2025	54.5	75.3	39.4

Source: Compiled by LSA Associates, Inc. (2025).
dBA = A-weighted decibel
L_{eq} = equivalent continuous sound level
L_{max} = maximum instantaneous noise level
L_{min} = minimum measured sound level



Noise Measurement Survey – 24 HR

Project Number: 20252389
Project Name: Franklin Rec Center

Test Personnel: Moe Abushanab
Equipment: LD Spark 706RC (SN: 17815)

Site Number: LT-2

Date: From 11/6/2025 To 11/7/2025
Time: From 2:00 p.m. To 2:00 p.m.

Site Location: On a tree near the northern boundary of the project site, approximately 130 feet from Campbell Avenue centerline.

Primary Noise Sources: Background traffic on Campbell Avenue and local roadways.

Comments:

Photo:



Long-Term (24-Hour) Noise Level Measurement Results at LT-2

Start Time	Date	Noise Level (dBA)		
		L_{eq}	L_{max}	L_{min}
2:00 PM	11/6/2025	49.1	63.3	42.5
3:00 PM	11/6/2025	48.7	74.8	43.6
4:00 PM	11/6/2025	52.1	65.9	45.6
5:00 PM	11/6/2025	54.0	74.5	48.3
6:00 PM	11/6/2025	51.1	61.7	45.9
7:00 PM	11/6/2025	47.7	63.8	41.7
8:00 PM	11/6/2025	46.9	69.5	41.9
9:00 PM	11/6/2025	44.4	59.1	38.9
10:00 PM	11/6/2025	44.8	56.8	39.3
11:00 PM	11/6/2025	45.0	64.0	40.1
12:00 AM	11/7/2025	41.0	65.8	37.3
1:00 AM	11/7/2025	40.0	56.2	37.2
2:00 AM	11/7/2025	39.6	56.7	37.3
3:00 AM	11/7/2025	39.5	54.0	37.3
4:00 AM	11/7/2025	42.1	69.5	37.3
5:00 AM	11/7/2025	47.6	64.0	40.6
6:00 AM	11/7/2025	50.4	60.2	44.3
7:00 AM	11/7/2025	53.2	81.2	46.0
8:00 AM	11/7/2025	53.1	74.6	42.3
9:00 AM	11/7/2025	51.0	72.7	41.3
10:00 AM	11/7/2025	50.0	68.1	41.3
11:00 AM	11/7/2025	48.1	69.0	41.1
12:00 PM	11/7/2025	47.4	70.6	39.9
1:00 PM	11/7/2025	50.2	66.4	40.8

Source: Compiled by LSA Associates, Inc. (2025).
dBA = A-weighted decibel
L_{eq} = equivalent continuous sound level
L_{max} = maximum instantaneous noise level
L_{min} = minimum measured sound level

