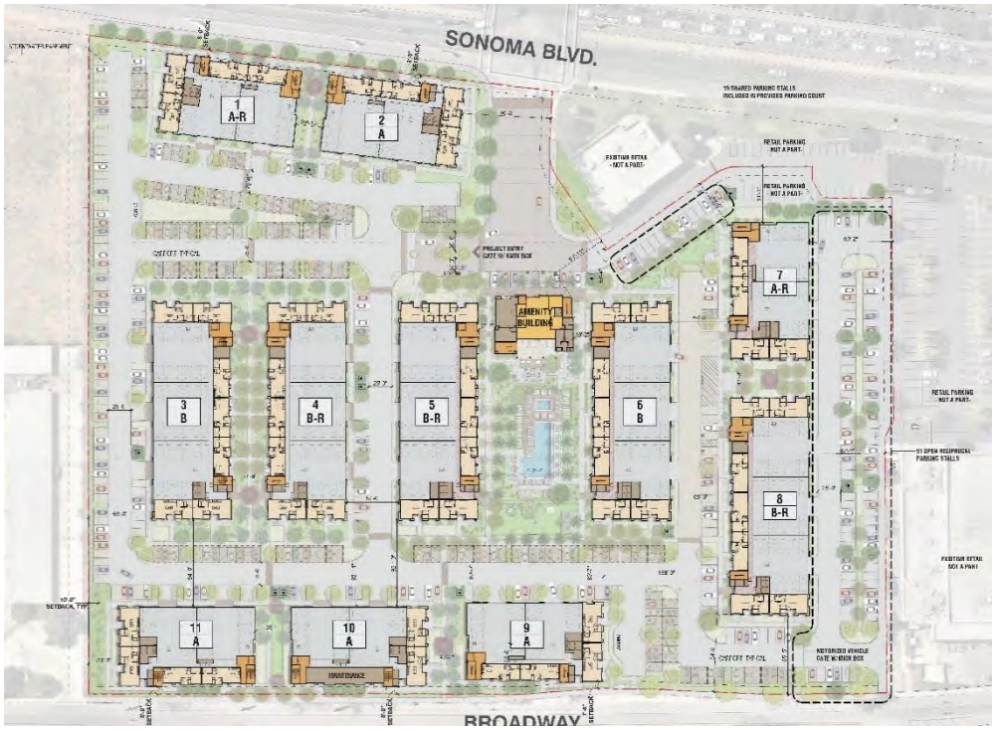
INITIAL STUDY/
MITIGATED NEGATIVE DECLARATION

5180 SONOMA BOULEVARD RESIDENTIAL DEVELOPMENT PROJECT

VALLEJO, CALIFORNIA



LSA

November 2023

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INITIAL STUDY/
MITIGATED NEGATIVE DECLARATION

5180 SONOMA BOULEVARD RESIDENTIAL DEVELOPMENT PROJECT

VALLEJO, CALIFORNIA

Submitted to:

City of Vallejo
Planning and Development Services
555 Santa Clara Street
Vallejo, California 94590

Prepared by:

LSA
157 Park Place
Pt. Richmond, California 94801
(510) 236-6810

Project No. CYV2201

LSA

November 2023

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LIST OF ABBREVIATIONS AND ACRONYMS

µg/m^3	Micrograms per cubic meter
A	Adaptation
AB	Assembly Bill
ABAG	Association of Bay Area Governments
ADA	Americans with Disabilities Act
ADT	average daily traffic
AFY	acre-feet per year
ALUC	Airport Land Use Commission
ALUCP	Airport Land Use Compatibility Plan
APN	Assessor's Parcel Number
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
Basin Plan	Water Quality Control Plan for the San Francisco Bay Basin
BMPs	Best Management Practices
Cal/OSHA	California Occupational Safety and Health Administration
CalEEMod	California Emissions Estimator Model
CALGreen Code	California Green Building Standards Code
California Register	California Register of Historical Resources
CalRecycle	California Department of Resources Recycling and Recovery
CARB	California Air Resources Board
CBC	California Building Code
CC	Central Corridor Commercial

CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CE	Community Engagement
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
cfs	cubic feet per second
CG	City Government Operations
CGP	Construction General Permit
CGS	California Geological Survey
CH_4	methane
City	City of Vallejo
Clean Air Plan	BAAQMD's 2017 Clean Air Plan
CNDDB	California Natural Diversity Data Base
CNEL	Community Noise Equivalent Level
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
County	Solano County
CRPR	California Rare Plant Rank
D-NG	North Gateway District
dB	decibels
dBA	A-weighted decibel(s)
DCE	dichloroethene

DOSH	Division of Occupational Safety and Health
DTSC	Department of Toxic Substances Control
DWR	California Department of Water Resources
E	Energy
EFZ	Earthquake Fault Zone
EOP	Emergency Operations Plan
ESA	Federal Endangered Species Act
EQ Zapp	California Earthquake Hazards Zone Application
EV	Electric vehicle
F	Fahrenheit
FAR	floor-area ratio
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FHWA-RD-77 108	FHWA Highway Traffic Noise Prediction Model
FTA	Federal Transit Administration
GHG	greenhouse gas
GVRD	Greater Vallejo Recreation District
GWh	gigawatt-hours
GWP	global warming potential
HFCs	hydrofluorocarbons
HVAC	heating, ventilation and air conditioning
I-80	Interstate 80
in/sec	Inches per second
IPaC	(USFWS) Information for Planning and Consultation

IS/MND	Initial Study/Mitigated Negative Declaration
kWh	kilowatt-hours
L_{eq}	equivalent continuous sound level
LID	Low Impact Development
L_{max}	maximum A-weighted sound level
LOS	Level of Service
LRA	Local Responsibility Area
LUST	Leaking Underground Storage Tank
MBTA	Migratory Bird Treaty Act
MEI	maximally exposed individual
MJHMP	Solano County Multi-Jurisdictional Hazard Mitigation Plan
MLD	Most Likely Descendant
mpg	miles per gallon
MRP	San Francisco Bay Region Municipal Regional Stormwater NPDES Permit
MTC	Metropolitan Transportation Commission
NAHC	Native American Heritage Commission
N_2O	nitrous oxide
NIMS	National Incident Management Systems
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Services
NWIC	Northwest Information Center
OES	Solano County Office of Emergency Services

OHP	(California) Office of Historic Preservation
OPR	(California) Governor's Office of Planning and Research)
OR	Off-Road Equipment
OSHA	Occupational Health and Safety Administration
OT	Optimized Travel
PCBs	polychlorinated biphenyls
Pb	lead
PCE	tetrachloroethylene
PFCs	perfluorocarbons
PG&E	Pacific Gas & Electric
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
PM_{10}	particulate matter less than 10 microns in diameter
POTWs	publicly owned treatment works
PPV	peak particle velocity
PRC	California Public Resources Code
project	5180 Sonoma Boulevard Residential Development Project
RCRA	(Federal) Resource Conservation and Recovery Act
RE	Renewable Energy
RHNA	Regional Housing Needs Allocation
RMS	root mean square
ROGs	reactive organic gases
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SB	Senate Bill

SCP	Stormwater Control Plan
SCS	Sustainable Communities Strategy
SEMS	California's Standardized Emergency Management System
SF_6	sulfur hexafluoride
SO_2	sulfur dioxide
Soltrans	Solano County Transit
SPPS	Sears Point Pump Station
SPSF	Sears Point Storage Facility
SR 29	State Route 29
SR 37	State Route 37
STA	Solano Transportation Authority
STC	Sound Transmission Class
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TAZ	Transportation Analysis Zone
TCE	trichloroethylene
TDM	Transportation Demand Management
TIA	Traffic Impact Analysis
TPH	total petroleum hydrocarbons
Travis AFB	Travis Air Force Base
USDA	United States Department of Agriculture
USDOT	United States Department of Transportation
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
VdB	vibration velocity decibels
VFWD	Vallejo Flood and Wastewater District
VHFHSZ	Very High Fire Hazard Severity Zone
VPD	Vallejo Police Department
VMT	vehicle miles traveled
W	Water, Wastewater and Solid Waste
WWTP	Wastewater Treatment Plant

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1.0 PROJECT INFORMATION

1. **Project Title:**

   5180 Sonoma Boulevard Residential Development Project

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

   City of Vallejo
   Planning and Development Services
   555 Santa Clara Street
   Vallejo, California 94590

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

   Cesar Orozco, Principal Planner
   (707) 648-5436

4. **Project Location:**

   The 12.6-acre project site is located at 5180 Sonoma Boulevard in the City of Vallejo (City), County of Solano (County) (Assessor's Parcel Number [APN] 0067-150-280). Interstate 80 (I-80), approximately 2.0 miles to the east, and State Route 37 (SR 37), approximately 0.25 mile south, provide regional access to the project site, while Sonoma Boulevard (State Route 29 [SR 29]) and Broadway provide direct access to the project site.

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

   Russell Square Consulting
   700 Waterfront Way, Suite 301
   Vancouver, Washington 98660

6. **General Plan Designation:**

   North Gateway District (D-NG)

7. **Zoning:**

   Central Corridor Commercial

8. **Description of Project:**

   The proposed project involves the demolition of the existing, vacant "big box" retail store on the project site and the construction of 11 multi-family residential buildings containing 429 dwelling units. A more detailed description of the proposed project is provided in Section 2.0, Project Description.

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

   The project site is bounded by Sonoma Boulevard to the west, Broadway to the east, commercial uses to the north, and industrial uses to the south. Single-family residential uses are located further to the west and east across Sonoma Boulevard and Broadway.

10. Other Public Agencies Whose Approval is Required (e.g., permits, financial approval, or participation agreements):

Please see Section 2.3, Project Approvals.

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 in compliance with Assembly Bill (AB) 52. On January 4, 2023, AB 52 consultation letters were sent to all Native American contacts that have formally requested notification. On January 18, 2023, the regionally affiliated tribe (Yocha Dehe Wintun Nation) responded by letter and indicated they have a cultural interest and would like to initiate consultation with the City.

On April 17, 2023, City staff met via teleconference with the tribal representative from the Yocha Dehe Wintun Nation (Tribe) to discuss the proposed project. During the meeting, the tribal representative requested that the City provide a copy of the cultural resources study prepared for the proposed project, which the City sent to the Tribe via email. During the tribal consultation, the tribal representatives did not provide substantial evidence of any tribal cultural resources occurring in or within the vicinity of the project site and did not express any specific concerns regarding the proposed project. However, in July 2023, the City received the treatment protocol for handling human remains and cultural items from the Tribe. This treatment protocol has been incorporated into this Initial Study.

2.0 PROJECT DESCRIPTION

The following describes the proposed 5180 Sonoma Boulevard Residential Development Project (project) that is the subject of this Initial Study/Mitigated Negative Declaration (IS/MND) prepared pursuant to the California Environmental Quality Act (CEQA). The proposed project would result in the construction of 429 residential dwelling units on the project site. The City of Vallejo (City) is the lead agency for review of the proposed project under CEQA.

2.1 PROJECT SITE

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

2.1.1 Project Location

The 12.6-acre project site is located at 5180 Sonoma Boulevard in the City of Vallejo, Solano County (Assessor's Parcel Number [APN] 0067-150-280). The project site is bounded by Sonoma Boulevard to the west, Broadway to the east, commercial uses to the north, and industrial uses to the south. Single-family residential uses are located further to the west and east across Sonoma Boulevard and Broadway.

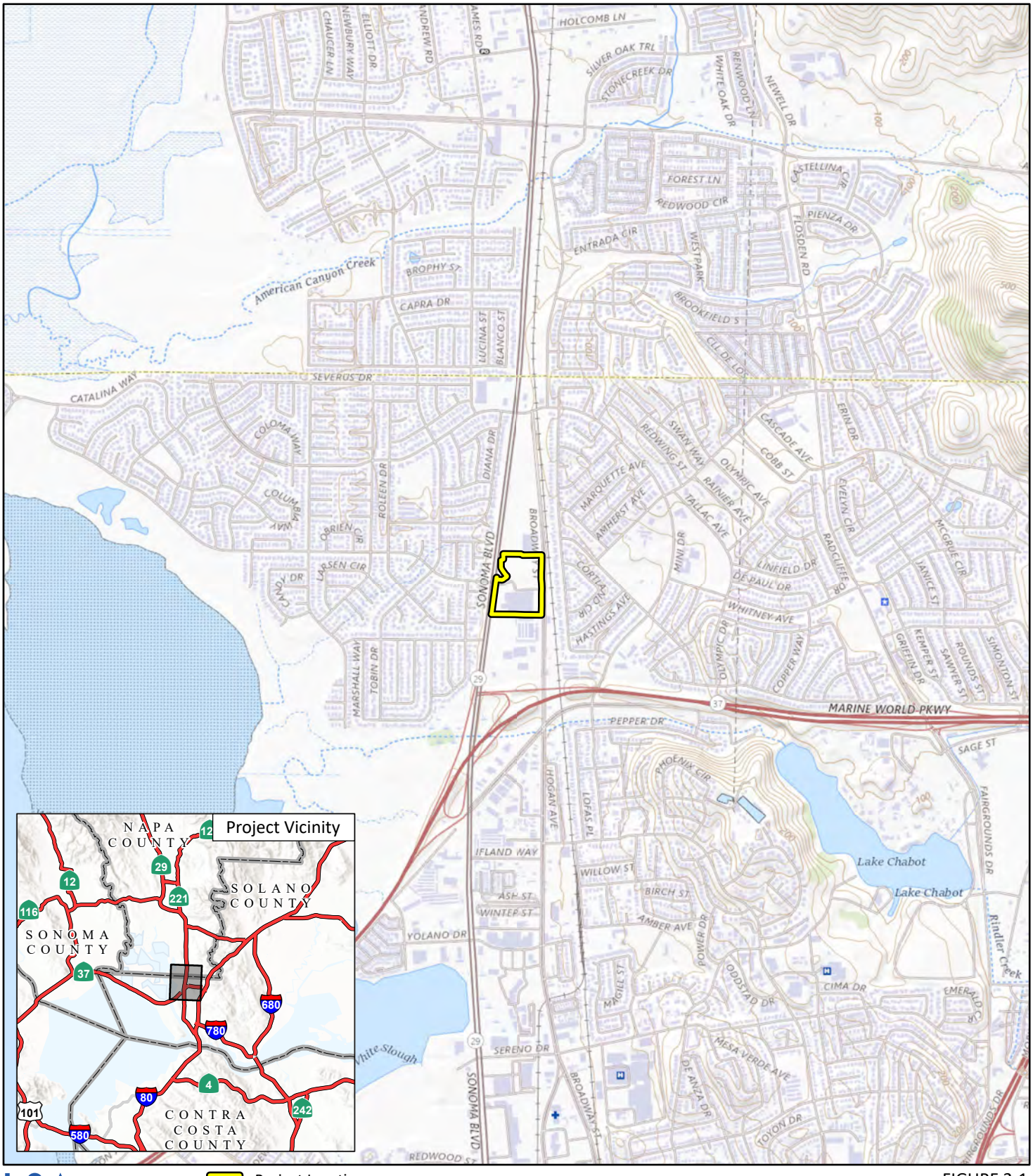
Interstate 80 (I-80), approximately 2.0 miles to the east, and State Route 37 (SR 37), approximately 0.25 mile south, provide regional access to the project site, while Sonoma Boulevard (State Route 29 [SR 29]) and Broadway provide direct access to the project site. Figure 2-1 shows the regional and local context of the project site. Delta Meadows and White Slough are located in close proximity to Meadows Plaza on the western side of Sonoma Boulevard (SR 29). Figure 2-2 depicts an aerial photograph of the project site and surrounding land uses.

2.1.2 Existing Conditions

The project site is currently developed with an existing, vacant "big box" retail store and associated asphalt parking. The existing commercial building is approximately 126,000 square feet and one story in height. Approximately 157 trees, including sycamore, ash, Bay laurel, Brazilian pepper tree, and redwoods are planted in the existing parking lot. There are also existing light standards within the parking area.

There are a number of existing utility easements on the project site which generally run along the project site boundaries. Specifically, a 20-foot-wide storm drain and water service easement runs in a north-south direction along the western boundary of the project site and continues east-west along the southern boundary of the project site. Additional easements on the project site include a 6-foot-wide public utility easement that runs along the site's eastern boundary, a 15-foot-wide water service easement that runs through the center of the site, and a 15-foot-wide water service easement that runs along the northern boundary.

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Project Location

FIGURE 2-1

N

0 1000 2000
FEET

SOURCE: USGS The National Map (2018)

5180 Sonoma Boulevard Residential Development Project

Project Location

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LSA

FIGURE 2-2

Project Site Boundary

N

0 150 300
FEET

SOURCES: Google Earth, 10/21/2020; LSA, 2022

5180 Sonoma Boulevard Residential Development Project
Aerial Photograph of the Project Site and Surrounding Land Uses

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2.1.3 Surrounding Land Uses

As shown in Figure 2-2, the project site is generally surrounded by residential uses with some vacant lands zoned for industrial and commercial use. To the north, the project site is bounded by a large triangular vacant lot that is zoned Central Corridor Commercial. The project is bordered immediately to the east by Broadway and railroad tracks. Further east is the College Estates Subdivision, consisting of single-family residential development. The project site is bordered immediately to the south by industrial uses, including Central Self-Storage and Recology Vallejo and SR 37. The project site is bordered immediately to the west by Sonoma Boulevard. Further west is the Delta Meadows subdivision, consisting of single-family residential development.

2.1.4 Circulation and Access

The primary vehicular access to the site is via the existing Sonoma Boulevard (SR 29)/Meadows Drive intersections, with a secondary driveway off Broadway. The Sonoma Boulevard/Meadows Drive intersection also provides vehicular access for the existing adjoining retail properties.

2.1.5 Regulatory Setting

The *Vallejo General Plan 2040* designates the project site as District - North Gateway (D-NG) The D-NG designation "is intended to foster an integrated, pedestrian-oriented place with a mix of uses, such as retail, dining, entertainment, and lodging, that cater to both motorists passing through and surrounding neighborhoods. It also incorporates higher-density residential development that supports nearby services and activates the area." The maximum permitted floor-area ratio (FAR) in the D-NG designation is 2.0, with a minimum residential density of 16 dwelling units per acre up to 50 dwelling units per acre. The project site is zoned Central Corridor Commercial. Land uses in the Central Corridor Commercial zone include mixed-use with housing, medium and high density residential, or non-residential uses at street level, subject to design and development standards to promote a mixed-use and pedestrian orientation.

The City of Vallejo has adopted the 2022 California Building Code (CBC) (Title 24, Part 2 of the California Code of Regulations [CCR]). However, because the project application was deemed complete in April 2022, the 2019 CBC, which was in effect until January 1, 2023, would apply to the proposed project. The proposed project would be required to comply with all elements of the 2019 CBC, including the California Fire Code, and the California Green Building Standards Code (also referred to as the CALGreen Code).

2.2 PROPOSED PROJECT

The proposed project involves the demolition of the existing, vacant commercial building retail store on the project site and the construction of 11 multi-family residential buildings containing 429 dwelling units. In addition to the residential buildings, the project would provide a central amenity building, as well as associated parking, infrastructure, and landscaping improvements. Individual components of the proposed project are discussed below.

2.2.1 Building Program

The project applicant proposes to develop the site with 11 multi-family residential buildings containing 429 dwelling units, ranging in size from approximately 767 to 1,637 square feet. Two building types are proposed with a mixture of one-, two-, and three-bedroom units. Both building types would be four-stories tall and would be oriented to face the project frontages on Sonoma Boulevard and Broadway. Levels 2 through 4 of the residential buildings would be designed with a 4-foot step back from the ground level. The architectural design would reflect the coastal cottage style with recessed windows and rooflines articulated with raised elements and towers and detailed with shaped cornices. Exterior materials would include a mixture of stucco, stone veneer, and horizontal siding. Figure 2-3 shows the conceptual site plan for the proposed project. Typical building elevations are shown in Figure 2-4. Conceptual renderings are shown in Figure 2-5.

Each building would provide ground floor units with enlarged patios for private open space and an enclosed parking garage for resident parking. In addition to the residential buildings, the project would provide a central amenity building containing leasing offices, restrooms, and a mailroom on the ground floor. Fitness and club rooms would be provided on the second floor along with a large terrace balcony overlooking the central courtyard and pool areas.

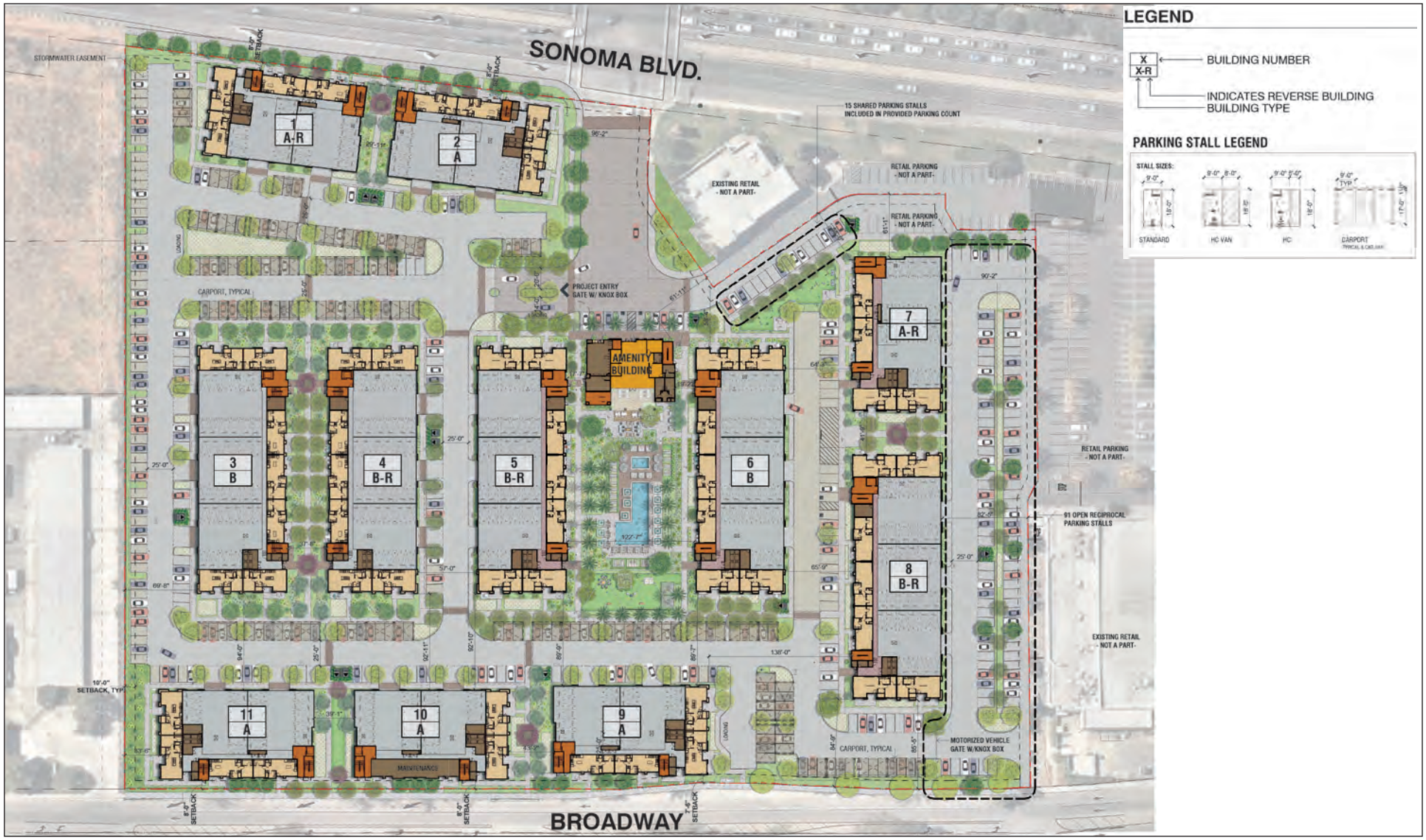
2.2.2 Open Space and Landscaping

Various outdoor amenity areas would be provided, including a pool and courtyard with lounge seating and cabanas, recreation lawn, dog park, outdoor dining, and private patios. The project does not include any outdoor areas intended for public use. In total, the proposed project would provide 87,300 square feet of common open space. In addition to the common outdoor areas, private outdoor spaces would be provided via private balconies and ground-level patios, as described above. In total, the proposed project would provide approximately 28,787 square feet of private open space. Figure 2-6 shows the proposed open space plan.

Landscaping, including various tree species, shrubs and groundcover would be provided in proposed parking areas, common areas, and around the pool courtyard. Trees would be planted along the south side of the entry driveway and along Sonoma Boulevard and Broadway. Existing street trees along Sonoma Boulevard and Broadway would be retained, as feasible. A total of approximately 280 trees would be planted as part of the proposed project. The proposed landscape site plan is shown in Figure 2-7.

The project proposes a 6-foot-high masonry block wall along the southern property line. The remainder of the site would be secured with a 6-foot-high tubular steel fence and vehicular gates. The tubular steel fencing would be open to preserve views, in compliance with Vallejo Municipal Code Section 16.505.04-D.1.

Outdoor lighting would be provided throughout the project site, including landscaped and paved areas, along pedestrian pathways, internal vehicular roadways and within proposed parking areas. Pole-mounted streetlights would be installed along internal roadways within the project site and along Sonoma Boulevard and Broadway, as needed. Pedestrian pathways would be lit with



LSA

FIGURE 2-3

0 80 160
FEET

5180 Sonoma Boulevard Residential Development Project
Overall Site Plan

SOURCES: TCA Architects; RSC Vallejo, 3/21/2021

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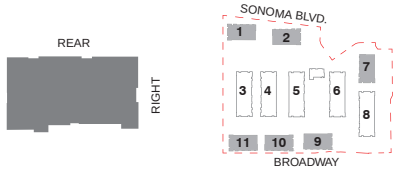
REAR



RIGHT



PERSPECTIVE



KEY MAP

SITE KEY MAP

BUILDING TYPE A (BLDG NO. 1, 2, 7, 9, 10, 11)

LSA

FIGURE 2-4a

0 16 32
FEET

5180 Sonoma Boulevard Residential Development Project
Elevations

SOURCES: TCA Architects; RSC Vallejo, 3/21/2021

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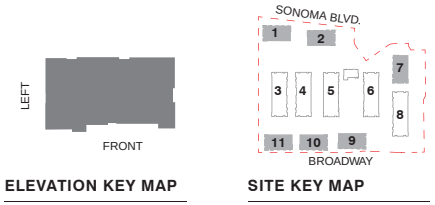
FRONT



LEFT



PERSPECTIVE



ELEVATION KEY MAP

SITE KEY MAP

BUILDING TYPE B (BLDG NO. 1, 2, 7, 9, 10, 11)

LSA

FIGURE 2-4b

0 16 32
FEET

5180 Sonoma Boulevard Residential Development Project
Elevations

SOURCES: TCA Architects; RSC Vallejo, 3/21/2021

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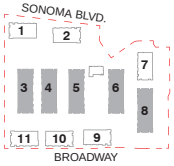
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FRONT



ELEVATIONS KEY MAP



SITE KEY MAP

BUILDING TYPE B (BLDG NO. 3, 4, 5, 6, 8)



LEFT



PERSPECTIVE

LSA

FIGURE 2-4c

0 16 32
FEET

5180 Sonoma Boulevard Residential Development Project
Elevations

SOURCES: TCA Architects; RSC Vallejo, 3/21/2021

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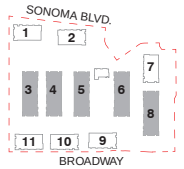
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REAR



ELEVATIONS KEY MAP



SITE KEY MAP

BUILDING TYPE B (BLDG NO. 3, 4, 5, 6, 8)



RIGHT



PERSPECTIVE

LSA

FIGURE 2-4d

0 16 32
FEET

5180 Sonoma Boulevard Residential Development Project
Elevations

SOURCES: TCA Architects; RSC Vallejo, 3/21/2021

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LEFT



REAR



RIGHT



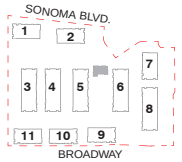
FRONT



PERSPECTIVE



PERSPECTIVE



SITE KEY MAP

AMENITY BUILDING ELEVATIONS

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FIGURE 2-4e

0 16 32
FEET

5180 Sonoma Boulevard Residential Development Project
Elevations

SOURCES: TCA Architects; RSC Vallejo, 3/21/2021

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VIEW OF PROJECT ENTRY



VIEW OF POOL COURTYARD AND AMENITY BUILDING

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FIGURE 2-5a

5180 Sonoma Boulevard Residential Development Project
Conceptual Renderings

SOURCES: TCA Architects; RSC Vallejo, 3/21/2021

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VIEW OF POOL COURTYARD AND PASEO



VIEW FROM SONOMA BOULEVARD

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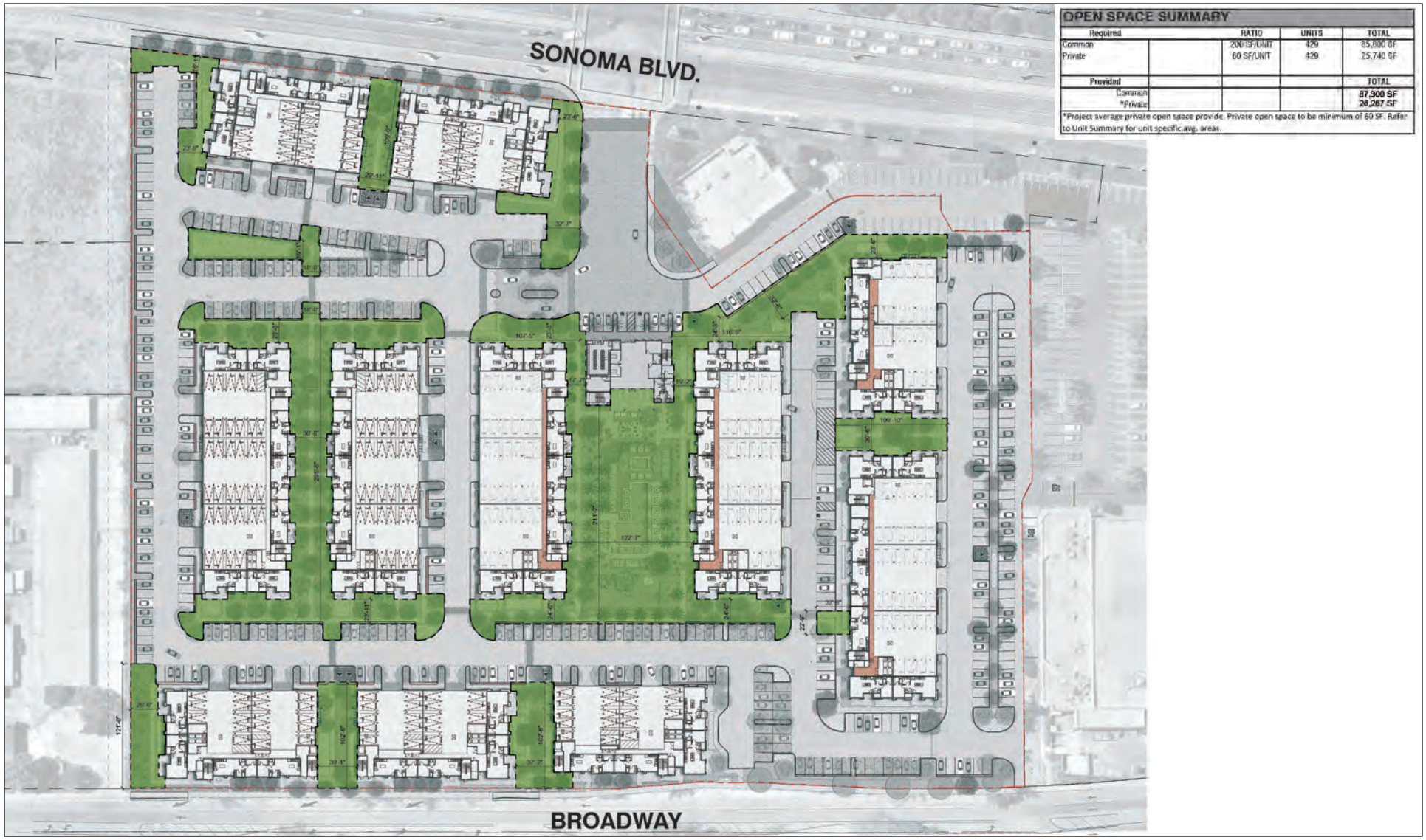
FIGURE 2-5b

5180 Sonoma Boulevard Residential Development Project
Conceptual Renderings

SOURCES: TCA Architects; RSC Vallejo, 3/21/2021

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FIGURE 2-6

0 80 160
FEET

5180 Sonoma Boulevard Residential Development Project
Open Space Plan

SOURCES: TCA Architects; RSC Vallejo, 3/21/2021

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FIGURE 2-7a

N

0 100 200
FEET

5180 Sonoma Boulevard Residential Development Project
Landscape Plan

SOURCES: MJS Landscape Architecture; RSC Vallejo, 3/18/2021

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CONCEPTUAL LANDSCAPE PLAN - NORTH SECTION

FIGURE 2-7b

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N

0 40 80

FEET

5180 Sonoma Boulevard Residential Development Project

Landscape Plan

SOURCES: MJS Landscape Architecture; RSC Vallejo, 3/18/2021

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CONCEPTUAL LANDSCAPE PLAN - SOUTH SECTION

LSA

FIGURE 2-7c

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FEET

5180 Sonoma Boulevard Residential Development Project

Landscape Plan

SOURCES: MJS Landscape Architecture; RSC Vallejo, 3/18/2021

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bollards. In addition, wall-mounted lights and downlights would be installed on proposed buildings/ garages and carports. Light levels would be sufficient for safety and wayfinding but would be directed downward to avoid light spillover to adjacent land uses.

2.2.3 Access, Circulation, and Parking

The proposed project would be accessed via the existing intersection of Sonoma Boulevard and Meadows Drive. From this primary entry, a network of 25-foot-wide drive aisles would provide access to proposed garages and off-street parking stalls. The existing driveway from Broadway would provide a secondary vehicular access point. Minimum 4-foot-wide pedestrian pathways would be provided to connect the proposed residential buildings with amenity areas, parking, and existing public transit stops on Sonoma Boulevard and Broadway. A total of 698 parking stalls would be provided, including approximately 276 surface parking stalls (open stalls and carports) and 422 covered parking stalls in ground-level garages. Approximately 10 percent of the provided parking is proposed to be electric vehicle (EV) charging ready as required by the California Green Building Standards Code.

In addition, the proposed project would provide 22 short- and 429 long-term bicycle parking stalls at various locations across the project site. Long-term bicycle parking would be provided within each residential building at the ground level utilizing wall-mounted bike racks to achieve the required one bicycle parking stall per dwelling unit.

2.2.4 Utilities and Infrastructure

The project site is located in an urban area that is currently served by existing utilities, including water, sanitary sewer, storm drainage, electricity, gas, and telecommunications infrastructure. Existing and proposed utility connections are discussed below.

2.2.4.1 Water

Water service in the City of Vallejo is provided by the City of Vallejo Water Department. The proposed project would include the installation of new 6-inch and 12-inch domestic water lines to provide domestic water supply. In addition, the proposed project would include 7 new fire hydrant assemblies, building connections, and 6-inch and 12-inch fire water lines to provide for fire protection. These new water lines would connect to existing 12-inch water pipelines along Broadway and across Sonoma Boulevard.

2.2.4.2 Wastewater

The Vallejo Flood and Wastewater District provides wastewater collection and treatment services for Vallejo. Sewer flows from the proposed project would be discharged into the existing 18-inch sanitary sewer main running south along Sonoma Boulevard. The proposed project would include installation of new 8- and 12-inch sewer mains within the internal roadways to serve the proposed development.

Sanitary sewer flows from the project site would flow to the Sears Point Pump Station (SPPS) and the Sears Point Storage Facility (SPSF), which are key elements of the sewer system. SPPS receives wastewater flow and pumps it into the 30-inch diameter force main running parallel to SR 37

and ultimately into the Wastewater Treatment Plant (WWTP).

2.2.4.3 Stormwater

As described above, the project site is currently developed with an existing commercial building, paving, concrete, and other impervious surfaces, which account for the majority of the 12.6-acre project site. Surface flows on the project site currently flow to existing storm drain pipelines located within the project site, discharging to an existing 30-inch storm drain that runs north-south along the western project boundary and a 48-inch storm drain that runs east-west along the southern project boundary.

Upon construction of the proposed project, approximately 9.7 acres (77 percent) of the project site would be covered by impervious surfaces and approximately 2.8 acres (23 percent) would be covered by pervious surfaces, consisting of landscaped areas with lawns, shrubs, and trees. The proposed project would include approximately 16,131 square feet of bioretention space throughout the project site that would be used for stormwater control. The proposed project would include the construction of 12-, 15- and 30-inch storm drains with associated manholes throughout the project area that would connect to the bioretention basins and existing stormwater facilities on Sonoma Boulevard and Broadway.

2.2.4.4 Electricity

Electricity and gas service is provided to the project site by Pacific Gas & Electric. The proposed project would include connections to the existing electric lines that run adjacent to the project site, including lines within Sonoma Boulevard and Broadway. The proposed project would not include the use of natural gas.

2.2.5 Demolition and Construction

The proposed project would result in the demolition of the existing 126,000-square-foot building and all surface pavements (approximately 422,493 square feet) on the project site. The maximum depth of excavation for building pads and utilities would be approximately 12 feet. It is anticipated that a total of 11,000 cubic yards of soils would be cut and 6,000 cubic yards would be used for fill, and therefore approximately 5,000 cubic yards of fill would be exported. Construction of the proposed project is anticipated to begin in October 2023 and would occur over an approximately 24-month period.

2.3 PROJECT APPROVALS

While the City is the CEQA Lead Agency for the proposed project, other agencies also have discretionary authority related to the project and approvals or serve as a responsible and/or trustee agency in connection to the proposed project. A list of these agencies and potential permits and approvals that may be required is provided in Table 2.A, below.

Table 2.A: Potential Permits and Approvals

Lead Agency	Permits/Approvals
City of Vallejo	● Adoption of the IS/MND for the 5180 Sonoma Boulevard Residential Development Project ● Planning Entitlements: Development Review, Design Review and Landscape Review ● Building Division: Building Permits ● Public Works: Grading Permits, On- and Off-site improvements, Encroachment Permits ● Review/Approve fire truck access and site fire flow design
Other Agencies	
Vallejo Flood and Wastewater District	● Review/Approve design of wastewater systems and connections to existing wastewater facilities

Source: LSA (2023).

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3.0 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

None of the environmental factors identified below would be potentially affected by this project, as indicated by the checklist in Section 4.0. All identified impacts can be mitigated to a less-than-significant level with implementation of recommended mitigation measures.

☐ 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

11-9-2023

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? ***(No Impact)***

The City of Vallejo General Plan designates many panoramic views from hilltops and elevated roadways as scenic resources including views of San Pablo Bay, Mare Island Strait, the waterfront, Sulphur Springs Mountain, the Vaca Mountains, White Slough, the Napa River Wetlands, Sky Valley and the City itself.[1] In order to preserve these scenic views, the City has established residential view district zoning regulations for some residential neighborhoods located on the hills in Vallejo. However, the project site is not located within a hillside area; therefore, the site is not subject to the residential view district zoning regulations. Although the Napa River Wetlands and White Slough are located approximately 1.2 miles to the west of the project site and Sulphur Springs Mountain is located approximately 3.4 miles to the east, no scenic vista to or from the project site exists due to existing development and intervening vegetation.

The project site is located on a previously developed parcel containing a large, vacant commercial building and surrounding surface parking. The areas directly surrounding the project site are also developed including commercial uses to the north, industrial uses to the south, and single-family residential uses to the west and east across Sonoma Boulevard and Broadway. Under existing conditions, structures, roads and trees block any public views of scenic vistas. The existing commercial building is one story (approximately 30 feet) in height, and the proposed multi-family residential buildings would not exceed four stories (approximately 60 feet) in height. Although, implementation of the project would result in an overall increase in building height at the project site, the proposed project is well within the height limit of eight stories established in the City of Vallejo Municipal Code. Therefore, the proposed project would not obscure any views of scenic

[1] City of Vallejo. 2017. *Propel Vallejo 2040 General Plan.* August 29.

vistas from surrounding public vantage points. In addition, the project site is not located in an area considered to be within view of a scenic vista. Therefore, the proposed project would have **no impact** on a scenic vista.

b. Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? ***(Less-Than-Significant Impact)***

According to the California Department of Transportation (Caltrans),[2] there are no officially designated Scenic Highways located within the City of Vallejo. However, a portion of State Route 37 (SR 37) and a portion of State Route 29 (SR 29) west of the project site are eligible for designation as State Scenic Highways. SR 29 runs north-south and directly abuts the project site to the west as Sonoma Boulevard. As such, the project site would be directly visible from SR 29. SR 37 runs east-west through Vallejo as Marine World Parkway and crosses SR 29 approximately 0.5 mile south of the project site.

The proposed project involves the demolition of the existing, vacant commercial building on the project site and the construction of 11 multi-family residential buildings containing 429 dwelling units. Proposed development would be consistent with existing development in the project vicinity; therefore, the proposed project is not anticipated to adversely affect views from SR 29. Furthermore, the proposed project would not damage any rock outcroppings, or historic buildings as these resources are not present on the project site.

As outlined in Section 2.0, Project Description, approximately 157 trees, including sycamore, ash, Bay laurel, Brazilian pepper tree, and redwoods are planted in the existing parking lot. These trees would be removed as part of the proposed project. However, existing street trees along Sonoma Boulevard and Broadway would be retained, as feasible. In addition, landscaping, including various tree species, shrubs, and groundcover would be provided in proposed parking areas, common areas, and around the pool courtyard. Trees would be planted along the south side of the entry driveway and along Sonoma Boulevard and Broadway. A total of approximately 280 trees would be planted as part of the proposed project. As such, the proposed project would have a **less-than-significant impact** on scenic resources located within view of an eligible 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)***

The project site is located within an urbanized area. As noted previously in Section 2.0, Project Description, the project site is located in the North Gateway District (D-NG) and is zoned as Central Corridor Commercial (CC). The D-NG designation "is intended to foster an integrated, pedestrian-oriented place with a mix of uses, such as retail, dining, entertainment, and lodging, that cater to

[2] California Department of Transportation (Caltrans). 2019. California State Scenic Highway System Map. Website: caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=2e921695c43643b1aaf7000dfcc19983 (accessed November 14, 2022).

both motorists passing through and surrounding neighborhoods. It also incorporates higher-density residential development that supports nearby services and activates the area." The maximum permitted floor-area ratio (FAR) in the D-NG designation is 2.0, with a minimum residential density of 16 dwelling units per acre up to 50 dwelling units per acre. Land uses in the Central Corridor Commercial zone include mixed-use with housing, medium and high density residential, or non-residential uses at street level, subject to design and development standards to promote a mixed-use and pedestrian orientation.

The proposed project would provide 429 units on 12.6 acres with an overall density of 34 dwelling units per acre, which complies with the requirements of 16/50 units/acre, 5,000-square-foot minimum lot size, and 50-foot minimum lot width stated in Table 16.204-A of the Vallejo Municipal Code. In addition, the proposed project would undergo Development Review and Design Review consistent with Sections 16.604 and 16.605 of the Vallejo Municipal Code. These existing requirements would include review of the physical improvements to the project site, including the overall building scale, massing, and design to ensure compatibility and compliance with City requirements governing scenic quality. Compliance with the design standards and guidelines outlined for the D-NG land use designation and the CC zoning district would ensure that the proposed project 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 located in an urban area with a variety of existing light sources including streetlights, interior and exterior building lighting, and light associated with traffic on nearby roadways. According to City Municipal Code Chapter 16.506 on Lighting and Glare, the project site is located in an area of high ambient lighting levels. Development of the proposed project would incrementally increase the amount of nighttime lighting in the surrounding area due to new interior and exterior lighting at the individual residential units and lighting associated with additional vehicular traffic to and from the project site.

As previously discussed in Section 4.1.c, the project would comply with the design standards and guidelines outlined for the D-NG land use designation and CC zoning district and would be subject to Development Review and Design Review in compliance with Sections 16.604 and 16.605 of the Vallejo Municipal Code. 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 Development Standards established for the residential uses and City Municipal Code Chapter 16.506 on Lighting and Glare. Through compliance with City zoning and municipal code regulations, lighting would not substantially affect daytime or nighttime views in the project vicinity. Therefore, this impact would be **less than significant.**

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 Dept. of Conservation 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 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.

	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 is currently developed with an existing, vacant commercial building and associated surface parking. Land uses surrounding the project site are primarily residential and commercial with some vacant lands zoned for commercial and industrial use. No agricultural uses are located within or adjacent to the project site. The project site is classified as "Urban and Built-Up Land" by the State Department of Conservation.[3] Therefore, the site is not classified as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (collectively known as "Important

[3] California Department of Conservation (DOC). 2018. Division of Land Use Resource Protection. California Important Farmland Finder. Website: maps.conservation.ca.gov/dlrp/ciff (accessed November 11, 2022).

Farmland"). As such, the proposed project would not result in the conversion of Important Farmland to another use, and **no impact** would occur.

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

The *Vallejo General Plan 2040* designates the project site as North Gateway District (D-NG) and the site is within the Central Corridor Commercial (CC) zoning district. Neither the land use designation nor the zoning district allows for development of the project site for agricultural use. In addition, the project site is not under a Williamson Act contract. Therefore, development of 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, vacant commercial building and associated surface parking. Land use surrounding the project site is primarily residential with some vacant lands zoned for industrial and commercial use. The project site is zoned as Central Corridor Commercial (CC), which does not allow development of the project site for agricultural 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)***

Please refer to Section 4.2.c. The proposed project would not result in the loss of forest land or conversion of forest land to non-forest uses. **No impact** would occur.

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)***

Please refer to Sections 4.2.a. and 4.2.c. The project site is located within an urban environment, and the proposed project would not involve other changes in the existing environment which, due to their location or nature, could result in the conversion of farmland to non-agricultural use or conversion of forest land to non-forest use. Therefore**, no impact** would occur.

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 within the jurisdiction of the Bay Area Air Quality Management District (BAAQMD), which regulates air quality in the San Francisco Bay Area. Air quality conditions in the San Francisco Bay Area have improved significantly since the BAAQMD 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 the City of Vallejo, and the rest of the San Francisco Bay Area 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 BAAQMD, ambient air quality standards for ozone, carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter (PM_{10}, $PM_{2.5}$), and lead (Pb) have been set by both the State of California and the federal government. The State has also set standards for sulfate and visibility. The BAAQMD is under State non-attainment status for ozone and particulate matter standards. The BAAQMD 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 BAAQMD 2017 Clean Air Plan (Clean Air Plan),[4] 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 heavily affected by air pollution; and reduce greenhouse gas emissions to protect the climate.

[4] Bay Area Air Quality Management District (BAAQMD). 2017b. *Clean Air Plan*. April 19.

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 Bay Area Clean Air Plan are to: attain air quality standards; reduce population exposure and protect public health in the Bay Area; and reduce greenhouse gas emissions and protect climate.

The BAAQMD 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**, 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 measures in the following categories: Stationary Source Measures, Transportation Measures, Energy Measures, Building Measures, Agriculture Measures, Natural and Working Lands Measures, Waste Management Measures, Water Measures, and Super-Greenhouse Gas (GHG) Pollutants Measures.

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 BAAQMD and then enforced by BAAQMD 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 proposed project.

Transportation Control Measures. The BAAQMD 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 involves the demolition of the existing, vacant commercial building on the project site and the construction of 11 multi-family residential buildings containing 429 dwelling units. As discussed in Section 4.17, Transportation, the proposed project is not expected to result in a significant increase in the generation of vehicle trips or vehicle miles traveled (VMT). In addition, as discussed in Section 2.0, Project Description, approximately 10 percent of the provided parking is proposed to be electric vehicle (EV) charging ready as required by the California Green Building Standards Code (CALGreen Code). In addition, the proposed project would provide 22 short- and 429 long-term bicycle parking stalls at various locations across the project site; therefore, the project would support the ability to use alternative modes of transportation. As such, the proposed project would promote BAAQMD 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, which 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 BAAQMD 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 would be required to comply with the latest CALGreen Code standards. 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 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 BAAQMD 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 BAAQMD is currently designated as a non-attainment area for State and national ozone standards and national particulate matter ambient air quality standards. The BAAQMD non-attainment 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 non-attainment of ambient air quality standards. 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 BAAQMD 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 analysis assesses the potential construction- and operation-related air quality impacts and CO impacts of the proposed project.

Construction 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 oxide (NO_x), reactive organic gases (ROG), directly-emitted particulate matter ($PM_{2.5}$ and PM_{10}), and TACs such as diesel exhaust particulate matter.

Site preparation and project construction would involve demolition, grading, paving, and other activities. 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 BAAQMD has established standard measures for reducing fugitive dust

emissions (PM_{10}). With the implementation of these Basic Construction Mitigation Measures, 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 are 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 BAAQMD recommendations. Construction of the proposed project is anticipated to begin in October 2023 and would occur over an approximately 24-month period, which was included in CalEEMod. Construction activities would include the demolition of the existing building and all surface pavements on the project site, which was also included in CalEEMod. In addition, it is anticipated that a total of 11,000 cubic yards of soils would be cut and 6,000 cubic yards would be used for fill, and therefore approximately 5,000 cubic yards of fill would be exported, which was included in CalEEMod. Other construction details are not yet known; therefore, default assumptions (e.g., construction fleet activities and construction trips) from CalEEMod were used. 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 $PM_{2.5}$
Average Daily Emissions	9.2	17.9	0.5	2.9	0.5	0.7
BAAQMD Thresholds	**54.0**	**54.0**	**54.0**	**BMP**	**82.0**	**BMP**
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: LSA (July 2023)
BAAQMD =.Bay Area Air Quality Management District
BMPs = best management practices
NO_X = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in diameter
$PM_{2.5}$ = particulate matter less than 2.5 microns in diameter
ROG = 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 BAAQMD requires the implementation of the BAAQMD Basic Construction Mitigation Measures (best management practices) to reduce construction fugitive dust impacts to a less-than-significant level, as outlined in **Mitigation Measure AIR-1.**

Mitigation Measure AIR-1 In order to meet the Bay Area Air Quality Management District's (BAAQMD) fugitive dust threshold, the following BAAQMD Basic Construction Mitigation Measures 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.
- Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California Airborne Toxics Control Measure Title 13, Section 2485 of the California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
- All construction equipment shall be maintained and properly tuned in accordance with manufacturers' specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- A publicly-visible sign shall be posted with the telephone number and person to contact at the City of Vallejo regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD's phone 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 BAAQMD requirements, **Mitigation Measure AIR-1** requires implementation of best management practices (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 ambient air quality standard, and impacts would be **less than significant with mitigation incorporated**.

Operational 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 include all new electric buildings and would not utilize natural gas for the

operation of the proposed project. Therefore, the proposed project would not result in energy source emissions.

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. Entrainment of PM_{10} occurs when vehicle tires pulverize small rocks and pavement and the vehicle wakes generate airborne dust. The contribution of tire and brake wear is small compared to the other particulate matter emissions processes. Gasoline-powered engines have small rates of particulate matter emissions compared with diesel-powered vehicles.

Typically, area source emissions consist of direct sources of air emissions located at the project site, including architectural coatings and the use of landscape maintenance equipment. Area source emissions associated with the project would include emissions from the use of landscaping equipment.

Emission estimates for operation of the project were calculated using CalEEMod. Model results are shown in Table 4.B. Trip generation rates for the project were based on the project's trip generation of approximately 1,948 average daily trips, as identified in Traffic Impact Analysis (TIA) prepared for the proposed project.[5]

Table 4.B: Project Operational Emissions

	ROG	NO_X	PM_{10}	$PM_{2.5}$
Pounds Per Day				
Mobile Source Emissions	8.6	8.1	12.0	3.1
Area Source Emissions	10.4	0.0	0.0	0.0
Energy Source Emissions	0.0	0.0	0.0	0.0
Total Emissions	**18.9**	**8.1**	**12.0**	**3.1**
BAAQMD Thresholds	54.0	54.0	82.0	54.0
Exceed Threshold?	**No**	**No**	**No**	**No**
Tons Per Year				
Mobile Source Emissions	1.5	1.4	2.2	0.6
Area Source Emissions	1.9	0.0	0.0	0.0
Energy Source Emissions	0.0	0.0	0.0.	0.0
Total Emissions	**3.4**	**1.4**	**2.2**	**0.6**
BAAQMD Thresholds	10.0	10.0	15.0	10.0
Exceed Threshold?	**No**	**No**	**No**	**No**

Source: LSA (July 2023).
BAAQMD = Bay Area Air Quality Management District
NO_X = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in diameter
$PM_{2.5}$ = particulate matter less than 2.5 microns in diameter
ROG = reactive organic gases

[5] Abrams Associates Traffic Engineering, Inc. 2022a. *Traffic Impact Analysis, Technical Appendix, RSC Vallejo, City of Vallejo.* April 11, 2022.

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 San Francisco Bay Area 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 $PM_{2.5}$.

The results shown in Table 4.B indicate the project would not exceed the significance criteria for daily or annual ROG, NO_x, 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 ambient air quality standard. Impacts would be **less than significant**.

Localized CO Impacts. 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 BAAQMD 2017 CEQA Guidelines[6] include recommended methodologies for quantifying concentrations of localized CO levels for proposed projects. A screening level analysis using guidance from the BAAQMD CEQA 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 the BAAQMD CEQA Guidelines, a proposed project would result in a less-than-significant impact to localized CO concentrations if the following screening criteria are met:

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

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

- 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).

Implementation of the proposed project would not conflict with the policies or programs of the Solano Transportation Authority (STA). As identified in Section 4.17, Transportation, the proposed project would generate approximately 176 AM peak hour trips and 167 PM peak hour trips; therefore, the project's contribution to peak hour traffic volumes at intersections in the vicinity of the project site would be well below 44,000 vehicles per hour. Therefore, the proposed project would not result in localized CO concentrations that exceed State or federal standards, and impacts would be **less than significant**.

6 BAAQMD. 2017a. California Environmental Quality Act Air Quality Guidelines. May.

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 diesel particulate matter are children, whose lung tissue is still developing, and the elderly, who may have serious health problems that can be aggravated by exposure to diesel particulate matter. Exposure from diesel exhaust associated with construction activity contributes to both cancer and chronic non-cancer health risks.

According to the BAAQMD, 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 one 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 micrograms per cubic meter ($\mu g/m^3$).

The project site is located in an urban area in close proximity to existing residential uses that could be exposed to diesel emissions exhaust during the construction period. To estimate the potential cancer risk from project construction equipment exhaust (including diesel particulate matter), 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 California Air Resources Board (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.

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

	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Sensitive Receptor Risk	45.54	0.035	0.000	0.174
Worker Receptor Risk	0.78	0.052	0.000	0.262
Threshold	**10 in one million**	**1.0**	**1.0**	**0.30**
Exceed?	**Yes**	**No**	**No**	**No**

Source: LSA (July 2023).
$\mu g/m^3$ = micrograms per cubic meter
$PM_{2.5}$ = particulate matter less than 2.5 microns in size

As shown in Table 4.C, the maximum cancer risk for the sensitive receptor maximally exposed individual (MEI) would be 45.54 in one million, which would exceed the BAAQMD cancer risk threshold of 10 in one million. The worker receptor risk would be lower at 0.78 in one million. The total chronic hazard index would be 0.035 for the sensitive receptor MEI and 0.052 for the worker

receptor MEI, which is below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), 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 0.174 µg/m^3 for the sensitive receptor MEI and 0.212 µg/m^3, which would not exceed the BAAQMD significance threshold of 0.30 µg/m^3 for the worker receptor MEI. As indicated above, the cancer risk of 45.54 in one million at the sensitive receptor MEI would exceed BAAQMD thresholds. Therefore, implementation of **Mitigation Measure AIR-2** would be required to reduce substantial pollutant concentrations during project construction.

Mitigation Measure AIR-2 During construction of the proposed project, the project contractor shall ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for the project construction at a minimum meets the California Air Resources Board Tier 2 emissions standards equipped with Level 3 diesel particulate filters or the equivalent.

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

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

	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index	Annual $PM_{2.5}$ Concentration (µg/m^3)
Sensitive Receptor Risk	4.86	0.007	0.000	0.023
Worker Receptor Risk	0.15	0.010	0.000	0.034
Threshold	**10 in one million**	**1.0**	**1.0**	**0.30**
Exceed?	**No**	**No**	**No**	**No**

Source: LSA (July 2023).
µg/m^3 = micrograms per cubic meter
$PM_{2.5}$ = particulate matter less than 2.5 microns in size

As shown in Table 4.D, the mitigated cancer risk at the sensitive receptor MEI would be 4.86 in one million, which would not exceed the BAAQMD cancer risk of 10 in one million. Therefore, with implementation of **Mitigation Measure AIR-2**, construction of the proposed project would not exceed BAAQMD 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**.

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 project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed project would not include any activities or operations that would generate objectionable odors and once operational, the 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. This impact 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 Wildlife 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 Wildlife 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 majority of the project site consists of the existing commercial building, parking lots, and landscaping, including trees. Trees observed during a site survey conducted on January 7, 2023, include mostly non-native ornamental trees, such as Peruvian pepper (*Schinus molle*), sweet gum (*Liquidambar styraciflua*), and London plane (*Platanus* sp.). Ornamental shrubs, such as lily (*Agapanthus* spp.), have also been planted in the parking lot. Ruderal (weedy) vegetation is growing in the patches of understory vegetation beneath the trees and shrubs. These non-native plants include bristly ox-tongue (*Helminthotheca echioides*), stinkwort (*Dittrichia graveolens*), clover (*Trifolium* sp.), veldt grass (*Ehrharta erecta*), and various other non-native grasses and forbs. Native cudweed (*Gnaphalium* sp.) was also observed growing in cracks of the pavement within the parking lots.

The project site is located within a developed area with planted trees and shrubs, and patches of ruderal vegetation. Trees and/or shrubs on the project site provide nesting habitat for bird species, such as white-tailed kite (*Elanus leucurus*) and Anna's hummingbird (*Calypte anna*). Some birds could also nest in the eaves of the buildings. The paved areas provide suitable nesting habitat for killdeer (*Charadrius vociferus*).

Wildlife observed during the field survey consists of Anna's hummingbird, California gull (*Larus californicus*), American crow (*Corvus brachyrhynchos*), rock pigeon (*Columba livia*), downy woodpecker (*Picoides pubescens*), house sparrow (*Passer domesticus*), lesser goldfinch (*Spinus psaltria*), white-crowned sparrow (*Zonotrichia leucophrys*), and yellow-rumped warbler (*Setophaga coronate*). Bats could roost in the trees and buildings, but no bats or sign of roosting bats were observed during the field survey. Other species likely to occur on site include the non-native house mouse (*Mus musculus*) and roof rat (*Rattus rattus*).

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 Wildlife or U.S. Fish and Wildlife Service? ***(Less-Than-Significant with Mitigation Incorporated)***

Special-status species are defined as follows:

- Species that are listed, formally proposed for listing, or designated as candidates for listing as threatened or endangered under the federal Endangered Species Act (ESA);
- Species that are listed, or designated as candidates for listing, as rare, threatened, or endangered under the California Endangered Species Act (CESA);
- Plant species on California Rare Plant Rank (CRPR) Lists 1A, 1B, and 2 in the CNPS Inventory of Rare and Endangered Plants;
- Animal species designated as Species of Special Concern or Fully Protected by the California Department of Fish and Wildlife (CDFW);
- Species that meet the definition of rare, threatened, or endangered under Section 15380 of the CEQA guidelines; and
- Species considered being a taxon of special concern by the relevant local agencies.

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 California Department of Fish and Wildlife's California Natural Diversity Database (CNDDB[7]) for species records in the project vicinity; (2) the California Native Plant Society's (CNPS) Inventory of Rare and Endangered Plants of California[8] for records of special-status plant species in the Cuttings Wharf 7.5-minute U.S.

[7] California Department of Fish and Wildlife (CDFW). 2023. California Natural Diversity Database (CNDDB), commercial version dated January 2023. Biogeographic Data Branch, California Department of Fish and Wildlife, Sacramento.

[8] California Native Plant Society (CNPS). 2023. Rare Plant Program. Rare Plant Inventory (online edition, v9.5). Website https://www.rareplants.cnps.org (accessed February 1, 2023).

Geological Survey (USGS) quadrangle; and (3) the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation on-line system.[9]

A biologist conducted a reconnaissance-level field survey at the project site on January 7, 2023. During this survey, preliminary information on vegetation types, wildlife habitat, and potential jurisdictional features (e.g., wetlands) were collected. The disturbed condition of the project site is generally not suitable to support most special-status species, and no known candidate, sensitive, or special-status species were observed inhabiting the project site during the general survey.

Based on the results of the database search, literature review and the reconnaissance-level field surveys, four special-status wildlife species were determined to be potentially present on the project site. These species are shown in Table 4.E.

Table 4.E: Special-Status Species Evaluated for the Project

Species	Status[1]	Habitat/Blooming Period	Discussion
ANIMALS			
Birds			
White-tailed kite *Elanus leucurus*	CFP	Open grasslands, meadows, or marshes. Require dense-topped trees or shrubs for nesting and perching.	Suitable nesting habitat present in large trees and shrubs and suitable foraging habitat present.
American peregrine falcon *Falco peregrinus anatum*	CFP	Forages in open country, mountains, and sea coasts. Nests on high cliffs, bridges, and buildings.	No suitable nesting habitat present, but species may briefly fly or forage over the site.
Mammals			
Townsend's western big-eared bat *Corynorhinus townsendii*	SSC	Found in wooded areas with caves or old buildings for roost sites.	No suitable roosting and hibernating habitat present, but could forage over the site.
Pallid bat *Antrozous pallidus*	SSC	Roosts in caves, tunnels, buildings, under bridges, and in tree hollows; forages over variety of habitats.	Suitable roosting habitat may be present in trees adjacent to site; this bat could occasionally occur as a transient while foraging at night. No trees with large hollows observed during the field survey.

Source: LSA (2023).
[1] Status Codes: SSC = California Species of Special Concern; CFP = California Fully Protected Species

Of the four special-status species identified, only the following two wildlife species have suitable habitat present in the project area and are discussed in further detail below. No special-status plant species were identified on the project site.

White-Tailed Kite and Other Nesting Birds. White-tailed kite is a California Fully Protected Species. This species nests in trees or large shrubs with dense foliage located near suitable foraging habitat

[9] United States Fish and Wildlife Service (USFWS). 2023. Information for Planning and Consultation (IPaC). January 31.

(e.g., grasslands, marshes, agricultural fields). Preferred prey includes voles and mice. Although no nests were observed during the reconnaissance survey, the numerous trees near the site provide suitable nest sites. No suitable foraging habitat is present at the site, but suitable foraging habitat is present in the grasslands in the region.

Proposed construction of the project could result in a potentially significant impact to nesting white-tailed kites or otherwise protected bird species. Disturbance of other migratory birds during their nesting season (February 1 through August 31) could result in "take", which is prohibited under the Migratory Bird Treaty Act (MBTA) and Section 3513 of the California Fish and Game Code. California Fish and Game Code (Section 3503) also prohibits take or destruction of bird nests or eggs. Implementation of **Mitigation Measure BIO-1** would reduce potential impacts to nesting birds to a less-than-significant level.

Mitigation Measure BIO-1

Prior to construction activities occurring during the nesting bird season (February 1 through August 31), preconstruction activity surveys for nesting birds shall be conducted by a qualified biologist to ensure that no nests are disturbed during project implementation. Surveys shall be conducted no more than seven 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 would occur during more than one nesting season, or in different parts of the site in phases over the course of a single season, then additional pre-activity surveys must be performed within seven days prior to initiation of work in any particular area. If the preconstruction 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 and 100 feet for songbirds are adequate to avoid causing nest abandonment. The buffer shall remain in place until the qualified biologist has confirmed that 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 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 increase, as

determined by a qualified biologist, to a sufficient distance where the nesting birds are 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-1** requires avoiding tree removal and other work activities during the nesting season and, if possible, conducting preconstruction surveys for nesting hawks and other migratory birds prior to any work during the nesting season, and additional measures to ensure avoidance of any "take". Implementation of **Mitigation Measure BIO-1** would reduce potential construction-related impacts, both permanent and temporary in nature, on nesting migratory birds to a **less-than-significant level with mitigation incorporated**.

Pallid Bat and other 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 structures and large trees in the project area and forage on the project site. Roosting bats could be disturbed, killed, or injured by tree removal and/or building demolition activities, if present in construction areas. Disturbance of roosting special-status bats would be a potentially significant impact. Implementation of **Mitigation Measure BIO-2** would reduce potential impacts to roosting bats to a less-than-significant level.

Mitigation Measure BIO-2

Prior to any tree removal during the maternity roosting period (April 15 to August 31) or hibernation period (October 15 to February 28), a focused tree habitat assessment shall be conducted by a qualified bat biologist of all trees that would be removed or impacted by construction activities. Trees containing suitable potential bat roosting habitat features would then be clearly marked. The habitat assessments should be conducted enough in advance to allow preparation of a report with specific recommendations, and to ensure tree removal can be scheduled during seasonal periods of bat activity if required. If it is determined that day roosting bats are unlikely to occur, the tree may be removed as described below. If the absence of roosting bats cannot be confirmed, then the removal of trees providing suitable maternity or hibernation roosting habitat should only be conducted during seasonal periods of bat activity, including:

1. Between March 1 (or after evening temperatures rise above 45 degrees Fahrenheit (F) and/or no more than 1/2 inch of rainfall within 24 hours occurs) and April 15; or

2. Between September 1 and about October 15 (or before evening temperatures fall below 45 degrees F and/or more than 1/2 inch of rainfall within 24 hours occurs).

Appropriate methods shall be used to minimize the potential of harm to bats during tree removal. Such methods may include but are not limited to using a two-step tree removal process. This method is conducted over two consecutive days and works by creating noise and vibration by cutting non-habitat branches and limbs from habitat trees using chainsaws only (no excavators or other heavy machinery) on Day 1. The noise and vibration disturbance, together with the visible alteration of the tree, is very effective in causing bats that emerge nightly to feed, to not return to the roost that night. The remainder of the tree is removed on Day 2. A bat biologist qualified in two-step tree removal is required on Day 1 to supervise and instruct the tree-cutters who will be on the site conducting the work, but only for a sufficient length of time to train all tree cutters who will conduct two-step removal of habitat trees. The bat biologist is generally not required on Day 2, unless a very large cavity is present and a large colony is suspected.

Implementation of **Mitigation Measure BIO-2** would require a focused habitat assessment, preconstruction survey, tree and structure removal (as needed), and measures for bat exclusion (as needed). Implementation of **Mitigation Measure BIO-2** would reduce potential construction-related impacts, both permanent and temporary in nature, on special-status bats to a **less-than-significant level 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 Wildlife or U.S. Fish and Wildlife Service? ***(No Impact)***

The CDFW tracks the occurrences of natural plant communities that are of limited distribution statewide or within a county or region and are often vulnerable to environmental effects of projects. *A Manual of California Vegetation,* Second Edition,[10] 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 does not identify any sensitive natural

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

communities on the site[11] and 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 does not contain any wetlands or other potentially jurisdictional features. Therefore, the proposed project would not have a substantial adverse effect on State or federally protected wetlands. **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 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. In the San Francisco Bay Area, landscape elements that facilitate local and/or regional wildlife movement include stream drainages, canyons, ridges, or other prominent natural or human-made landscape features.

The proposed project would not substantially interfere with wildlife movement or corridors since the project site is already developed and is situated within an urban area. Wildlife species that currently move through or around the site would likely continue to move through or around the site during and after construction of the project since most of the species that likely 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**.

The project site does not contain native wildlife nursery sites, such as heron rookeries or salmonid spawning areas. Any bird nests or bat roosts, if present, would be protected by implementing **Mitigation Measures BIO-1 and BIO-2**, respectively.

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.**

[11] CDFW. 2023. op. cit.

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)***

Chapter 4, Nature and Built Environment, of the *Vallejo General Plan 2040* establishes goals, policies, and actions to protect natural resources within the City. Specifically, Policies NBE-1.1 and NBE-1.2 state:

Policy NBE-1.1 Natural Resources. Protect and enhance hillsides, waterways, wetlands, occurrences of special-status species and sensitive natural communities, and aquatic and important wildlife habitat through land use decisions that avoid and mitigate potential environmental impacts on these resources to the extent feasible.

Policy NBE-1.2 Sensitive Resources. Ensure that adverse impacts on sensitive biological resources, including special-status species, sensitive natural communities, and wetlands are avoided and mitigated to the greatest extent feasible as development takes place.

As described above, the majority of the project site consists of the existing commercial building, parking lots, and ruderal vegetation/landscaping. It does not support any sensitive natural communities or jurisdictional wetlands. Trees and structures on the site could provide nesting and/or roosting habitat for protecting bird and bat species. Implementation of **Mitigation Measures BIO-1 and BIO-2** would reduce potential impacts to nesting birds and bats to a less-than-significant level. Therefore, the proposed project would not conflict with the policies or goals of the *Vallejo General Plan 2040*

Chapter 16.504.07 of the City of Vallejo Municipal Code requires a tree removal permit for impacts to existing mature trees located in non-residential zoning districts if they are over 24 inches in diameter measured six inches above natural grade. Protected trees may be removed with the permission of the City upon submittal of an arborist's report, which determines that the tree is in poor health and not likely to survive; if the trees constitute a high fire hazard or a threat to persons, structures, or property; or, if they impede public works projects. Trees to be removed must be shown on the landscaping and irrigation plan and detailed on a tree inventory chart.

As outlined in Section 2.0, Project Description, approximately 157 trees, including sycamore, ash, Bay laurel, Brazilian pepper tree, and redwoods are planted in the existing parking lot of the project site. Some of these trees are considered protected trees as defined in the City's Municipal Code and would be removed as part of the proposed project. Existing street trees along Sonoma Boulevard and Broadway would be retained, as feasible. In addition, landscaping, including various tree species, shrubs and groundcover would be provided in proposed parking areas, common areas, and around the pool courtyard. Trees would be planted along the south side of the entry driveway and along Sonoma Boulevard and Broadway. A total of approximately 280 trees would be planted as part of the proposed project.

In compliance with the City's Tree Protection Ordinance, the project applicant would be required to submit an arborist report, implement protection measures for trees to be retained, pay required

permit application fees, and replace removed trees at a ratio of at least three new trees for every tree removed except for the fire-prone species identified in the City's Municipal Code. As stated above, the current landscape plan proposes to plant approximately 280 trees as part of the proposed project; the exact number of replacement trees required for mitigation of removed trees would be identified as part of the final landscape plan to be reviewed and approved by the City. Therefore, the proposed project would not conflict with the City's Tree Protection Ordinance.

Compliance with the City's Tree Protection Ordinance and implementation of the mitigation measures identified above would ensure that the proposed project 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 proposed project is not within any approved local, regional, or State conservation plan. Therefore, the project would not conflict with any 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 which 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 Public Resources Code; 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.

Background research and a field survey were conducted to identify potential cultural resources at the project site. The results are summarized below.

On December 21, 2022, the staff of the Northwest Information Center (NWIC) conducted a records search (#22-0942) of the project site and a 0.5-mile radius. The NWIC, an affiliate of the State of California Office of Historic Preservation (OHP), 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 Native American Heritage Commission (NAHC) was contacted. No recorded cultural resources were identified within the project site; one resource was identified within the 0.5-mile radius.

On December 14, 2022, LSA sent an email describing the project with maps depicting the study area to the NAHC requesting a review of the Sacred Lands File to determine the potential presence of Native American cultural resources that might be affected by the proposed project. Ms. Pricilla Torres-Fuentes, NAHC Cultural Resource Analyst, responded via email on December 27, 2022, stating that a search of the Sacred Lands File for the study area had negative results for Native American cultural resources within the project site.

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 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)). Implementation of **Mitigation Measures CULT-1**, **CULT-2** and **CULT-3**would reduce potential impacts to historical resources to less than significant.

Mitigation Measure CULT-1 Should an archaeological deposit be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet shall be redirected and a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archaeology contacted to assess the situation, determine if the deposit qualifies as a historical resource, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. If the deposit is found to be significant (i.e., eligible for listing in the California Register of Historical Resources), the project applicant shall be responsible for funding and implementing appropriate mitigation measures. Mitigation measures may include recording the archaeological deposit, data recovery and analysis, and public outreach regarding the scientific and cultural importance of the discovery. Upon completion of the selected mitigations, a report documenting methods, findings, and recommendations shall be prepared by the qualified archaeologist and submitted to the City of Vallejo for review, and the final report shall be submitted to the Northwest Information Center at Sonoma State University. Significant archaeological materials shall be submitted to an appropriate local curation facility and used for future research and public interpretive displays, as appropriate.

Mitigation Measure CULT-2 In the event that Native American human remains are found during development of the proposed project and the Yocha Dehe Wintun Nation (Tribe) or a member of the Tribe is determined to be the Most Likely Descendent (MLD), the following provisions shall apply:

- The Medical Examiner shall immediately be notified, ground disturbing activities in that location shall cease and the Tribe shall be allowed, pursuant to California Public Resources Code (PRC) Section 5097.98(a) to (1) inspect the site of the discovery and make determinations as to how the human remains and grave goods should be treated and disposed of with appropriate dignity.

- The Tribe shall complete its inspection and make its MLD recommendation within forty-eight (48) hours of getting access to the site. The Tribe shall have the final determination as to the disposition and treatment of human remains and grave goods. Said determination may include avoidance of the human remains, reburial on-site or reburial on tribal or other lands that will not be disturbed in the future.

- The Tribe may wish to rebury said remains and grave goods or ceremonial and cultural items on or near the site of their discovery, in an area which will not be subject to future disturbances over a prolonged period of time. Reburial of human remans shall be accomplished in compliance with California PRC Sections 5097.98(a) and (b). The term “human remains” encompasses more than human bones because the Tribe’s traditions call for the burial of associated cultural items with the deceased (funerary objects), and/or the ceremonial burning of Native American human remains, funerary objects, grave goods, and animals. Ashes, soils, and other remnants of these burning ceremonies, as well as associated funerary objects and unassociated funerary objects buried with or found near the Native American remains are to be treated in the same manner as bones or bone fragments that remain intact.

- Unless otherwise required by law, the site of any reburial of Native American human remains shall not be disclosed and will not be governed by public disclosure requirements of the California Public Records Act (California Government Code Section 6250 et. seq). The Medical Examiner shall withhold public disclosure of information related to such reburial pursuant to the specific exemption set forth in California Government Code Section 6254(r). The Tribe will require that the location for reburial is recorded with the California Historic

Resources Inventory System (CHRIS) on a form that is acceptable to the CHRIS center. The Tribe may also suggest that the landowner enter into an agreement regarding the confidentiality of site information that will run with title on the property.

- Treatment of all cultural items, including ceremonial items and archaeological items will reflect the religious beliefs, customs, and practices of the Tribe. All cultural items, including ceremonial items and archaeological items, which may be found at a Project site should be turned over to the Tribe for appropriate treatment, unless otherwise ordered by a court of agency of competent jurisdiction. The project applicant should waive any and all claims to ownership of Tribal ceremonial and cultural items, including archaeological items, which may be found on a project site in favor of the Tribe. If any intermediary (e.g., an archaeological retained by the project applicant) is necessary, said entity or individual shall not possess those items for longer than is reasonably necessary, as determined solely by the Tribe.

- If additional significant sites or sites not identified as significant in the environmental review process, but later determined to be significant are located within a project impact area, such sites will be subjected to further archaeological and cultural significance evaluation by the project applicant, Solano County and the Tribe to determine if additional mitigation measures are necessary to treat sites in a culturally appropriate manner consistent with CEQA requirements for mitigation of impacts to cultural resources. If there are human remains present that have been identified as Native American, all work will cease for a period of up to 30 days in accordance with Federal Law.

Mitigation Measure CULT-3 The preferred protocol upon the discovery of Native American human remains is to secure the area, cover any exposed human remains or other cultural items and avoid further disturbances in the area. All parties are advised to treat the remains with appropriate dignity, as provided in PRC Section 5097.98. All parties shall treat tribal representatives and the event itself with appropriate respect.

If, after the Yocha Dehe Tribal representative has been granted access to the site and it is determined that avoidance is not feasible, an examination of the human remains will be conducted to confirm they are human and to determine the position, posture, and

orientation of the remains. The following procedures shall be followed:

- All excavation in the vicinity of the human remains will be conducted using fine hand tools and fine brushes to sweep loose dirt free from the exposure.

- In order to determine the nature and extent of the grade and its contents, controlled excavation should extend to a full buffer zone around the perimeter of the remains.

- To initiate the exposure, a perimeter balk (especially, a shallow trench) should be excavated, representing a reasonable buffer a minimum of 10 centimeters around the maximum extent of the known skeletal remains, with attention to counterintuitive discoveries or unanticipated finds relating to this or other remains. The dirt from the perimeter balk should be bucketed, distinctly labeled, and screened for cultural materials.

- Excavation should then proceed inward from the walls of the balk as well as downward from the surface of the exposure. Loose dirt should be scooped out and brushed off into a dustpan or other collective device. Considerable care should be given to ensure that human remains are not further impacted by the process of excavation.

- Buckets, collection bags, notes, and tags should be fully labeled per provenience, and a distinction should be made between samples collected from: (1) Perimeter Balk (described above), (2) Exposure (dirt removed in exposing the exterior/burial plan and associations, and (3) Matrix (dirt from the interstices between bones or associations). Thus, each burial may have three bags, “Burial 1 Perimeter Balk,” “Burial 1 Exposure Balk,” “Burial 1 Matrix.”

- The following records should be compiled in the field: (1) a detailed scale drawing of the burial, including the provenience of and full for all human remains, associated artifacts, and the configuration of all associated phenomena such as burial pits, evidence for pre-interment grave pit burning, soil variability, and intrusive disturbance, (2) complete a formal burial record using the consultants proprietary form or other standard form providing information on site #, unit or other proveniences, level depth, depth and location of the burial from a fixed datum, workers, date(s), artifact list, skeletal inventory, and other pertinent observations, (3) crew chief and worker field notes

that may supplement or supercede information contained in the burial recording form, and (4) photographs, including either standard photography or high-quality (400-500 DPI or 10 MP recommended) digital imaging.

- Photographs and images may be used only for showing location or configuration of questionable formation or for the position of the skeleton. They are not to be duplicated for publication unless a written release is obtained from the Tribe.

- Association between the remains and other cultural materials should be determined in the field in consultation with an authorized Tribal representative, and may be amended per laboratory findings. Records of provenience and sample labels should be adequate to determine association or degree of likelihood of association of human remains and other cultural materials.

- For each burial, all Perimeter Balk soil is to be 1/8”-screened. All Exposure soil is to be 1/8”-screened, and a minimum of one 5-gallon bucket of excavated but unscreened Exposure soil is to be collected, placed in a plastic garbage bag in the bucket. All Matrix soil is to be carefully excavated, screened as appropriate, and then collected in plastic bags placed in 5-gallon buckets.

- Human remains are not to be cleaned in the field.

- Prior to any physical action related to human remains, a designated tribal representative will conduct prayers and blessings over the remains. The archaeological consultant will be responsible for insuring that individuals and tools involved in the action are available for traditional blessings and prayers, as necessary.

No laboratory studies are permitted without consultation with the tribe. Lab methods are determined on a project-specific basis in consultation with Yocha Dehe Wintun Nation representatives. The following procedures shall be implemented:

- The primary archaeological consultant will be responsible for insuring that all lab procedures follow stipulations made by the Tribe.

- Prior to any laboratory activities related to the remains, a designated tribal representative will conduct prayers and blessings over the remains. The archaeological consultant will

be responsible for insuring that individuals and tools involved in the action are available for traditional blessings and prayers, as necessary.

- To the extent possible, all remains, associations, samples, and original records are to be kept together throughout the laboratory process. In particular, Matrix dirt is to be kept in buckets and will accompany the remains to the lab. The primary archaeological consultant will be responsible for copying all field records and images and insuring that the original notes and records accompany the remains throughout the process.

- Laboratory study should be done making every effort to identify unanticipated finds or materials missed in the field, such as objects encased in dirt or human remains misidentified as faunal remains in the field. In the event of discovery of additional remains, materials, and other associations the tribal representatives are to be contacted immediately.

- No laboratory studies are permitted on human remains and funerary objects. The preferred treatment preference for exhumed Native American human remains is reburial in an area not subject to further disturbance. Any objects associated with remains will be reinterred with the remains. Laboratory study should be done making every effort to identify unanticipated finds or materials missed in the field, such as objects encased in dirt or human remains misidentified as faunal remains in the field. In the event of discovery of additional remains, materials, and other associations the tribal representatives are to be contacted immediately.

- Should all, or a sample, of any archaeological materials collected during the data recovery activities – with the exception of Human Remains – need to be curated, an inventory and location information of the curation facility shall be given to tribe for our records.

With implementation of **Mitigation Measure CULT-1**, which requires work stoppage in the event of an archaeological discovery, and **Mitigation Measures CULT-2 and CULT-3**, which require that identified archaeological resources be treated in accordance with the Treatment Protocol for Handling Human Remains and Cultural Items Affiliated with the Yocha Dehe Wintun Nation, 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 the *State CEQA Guidelines*, "When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource" (*CEQA Guidelines* Section 15064.5(c)(1)). Those archaeological sites that do not qualify as historical resources shall be assessed to determine if these qualify as "unique archaeological resources" (California 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 Archeology—in accordance **with Mitigation Measure CULT-1**. With implementation of **Mitigation Measures CULT-1, CULT-2, and CULT-3**, 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 with Mitigation Incorporated)***

Based on previous archaeological investigation and analysis, there is a low potential for the disturbance of archaeological cultural resources or human remains. However, 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 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 two 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. MLD 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. In addition, any human remains and associated items would be treated in accordance with the Treatment Protocol for Handling Human Remains and Cultural Items Affiliated with the Yocha Dehe Wintun Nation, as outlined in **Mitigation Measures CULT-2 and CULT-3**, described above.

Compliance with Section 7050.5 of the California Health and Safety Code and PRC Section 5097.98 regarding the treatment of human remains and implementation of **Mitigation Measures CULT-3 and CULT-3** would ensure that potential impacts to human remains would be **less than significant with mitigation incorporated**.

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 California Emissions Estimator Model (CalEEMod) output, which is included in Appendix A.

Construction-Period Energy Use. The proposed project would require demolition, grading, site preparation, building, paving, and architectural coating activities during construction. 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 residential buildings and associated amenity building and other 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 who 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. Therefore, construction energy impacts would be less than significant.

Operational Energy Use. Energy use is typically associated with natural gas use, electricity consumption, and fuel used for vehicle trips. The proposed new buildings would be all electric buildings and would not utilize natural gas. Electricity consumption was estimated for the project using default energy intensities by building type in CalEEMod. In addition, the proposed buildings would be constructed to California Green Building Standards Code (CALGreen) standards, which was included in CalEEMod inputs. Electricity usage estimates associated with the proposed project are shown in Table 4.E.

In addition, the proposed project would result in energy usage associated with gasoline to fuel project-related trips. Based on the CalEEMod analysis, the proposed project would result in approximately 6,162,739 vehicle miles traveled (VMT) per year. 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 22.9 mpg in 2020.[12] 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.[13] Therefore, based on the default vehicle fleet mix assumed in CalEEMod and using the U.S. Environmental Protection Agency (USEPA) fuel economy estimates for 2020, the proposed project would result in the consumption of approximately 220,290 gallons of gasoline per year and 139,839 gallons of diesel fuel per year.

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

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

Electricity Use (kWh per year)	Natural Gas Use (therms per year)	Gasoline (gallons per year)	Diesel (gallons per year)
2,581,201	0	220,290	139,839

Source: LSA (January 2023).
kWh = kilowatt-hours

As shown in Table 4.F, the estimated potential increased electricity demand associated with the proposed project is 2,581,201 kilowatt-hours (kWh) per year. In 2021, California consumed approximately 280,738 gigawatt-hours (GWh) or 280,738,376,720 kWh.[14] Of this total, Solano County consumed 3,301 GWh or 3,300,852,690 kWh.[15] Therefore, electricity demand associated with the proposed project would be approximately 0.1 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.F, vehicle trips associated with the proposed project would consume approximately 220,290 gallons of gasoline per year and 139,839 gallons of diesel fuel per year. Based on fuel consumption obtained from EMFAC2021, approximately 54.3 million gallons of gasoline and approximately 29.4 million gallons of diesel fuel will be consumed from vehicle trips in Solano County in 2023. Therefore, gasoline and diesel fuel demand generated by vehicle trips associated with the proposed project would be a minimal fraction of gasoline and diesel fuel consumption in Solano County. Fuel consumption associated with vehicle trips generated by project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region.

12 United States Department of Transportation (USDOT). 2017. "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 2023).

13 California Energy Commission (CEC). 2015. Medium and Heavy-Duty Truck Prices and Fuel Economy 2013–2026. Website: efiling.energy.ca.gov/getdocument.aspx?tn=206180 (accessed January 2023).

14 CEC. 2022a. Energy Consumption Data Management Service. Electricity Consumption by County. Website: www.ecdms.energy.ca.gov/elecbycounty.aspx (accessed January 2023).

15 Ibid.

In addition, proposed new development would be constructed using energy efficient modern building materials and construction practices, and the proposed project also would use new modern appliances and equipment, in accordance with the Appliance Efficiency Regulations (Title 20, CCR Sections 1601 through 1608). The expected energy consumption during construction and operation of the proposed project would be consistent with typical usage rates for residential uses.

Pacific Gas & Electric (PG&E) is the private utility that would supply the proposed project's electricity services. In 2021, a total of 50 percent of PG&E's delivered electricity came from renewable sources, including solar, wind, geothermal, small hydroelectric and various forms of bioenergy.[16] 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 their customers and upgrade their 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. Construction and operation period impacts related to consumption of energy resources would be **less than significant**.

*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 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 *2022 Integrated Energy Policy Report Update*.[17] The *2022 Integrated Energy Policy Report Update* 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 2020 Integrated Energy Policy Report covers a broad range of topics, including implementation of SB 350, integrated resource planning, distributed energy resources, transportation electrification, solutions to increase resiliency in the electricity sector,

[16] Pacific Gas & Electric (PG&E). 2021. *Exploring Clean Energy Solutions*. Website: https://www.pge.com/en_US/about-pge/environment/what-we-are-doing/clean-energy-solutions/clean-energy-solutions.page?WT.mc_id=Vanity_cleanenergy (accessed January 2023).

[17] CEC. 2023. *Final 2022 Integrated Energy Policy Report Update*. February. Website: https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2022-integrated-energy-policy-report-update (accessed April 3, 2023).

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 2022 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 San Francisco Bay Area is one of the most seismically active regions in the United States. The significant earthquakes that occur in the Bay Area are generally associated with crustal movement along well-defined active fault zones of the San Andreas Fault system, which regionally trend in a northwesterly direction. Fault rupture is generally expected to occur along active fault traces that have exhibited signs of recent geological movement (i.e., within the last 11,000 years).

The State of California enacted the Alquist-Priolo Earthquake Fault Zoning Act in 1972, requiring the State Geologist to delineate Earthquake Fault Zones (EFZ) 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.[18] State regulations prohibit habitable structures from being sited within 50 feet of an active fault. According to the California Earthquake Hazards Zone Application ("EQ Zapp"),[19] the project site is approximately 1.3 miles east of the Napa Valley Fault and approximately 1 mile southwest of the West Napa Fault, which are the nearest Alquist-Priolo Fault Zones. Therefore, 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)***

The project site is located in the San Francisco Bay Area, a region of intense seismic activity. Due to the location of the project site in a seismically active area, strong seismic ground shaking at the site is highly probable during the life of the project. The intensity of ground shaking would depend on the characteristics of the fault, distance from the fault, the earthquake magnitude and duration, and site-specific geologic conditions. 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.[20]

Mapping has been compiled by the Metropolitan Transportation Commission (MTC) and Association of Bay Area Governments (ABAG) for the likely shaking intensities in the Bay Area that would have a 10 percent chance of occurring in any 50-year period. A large earthquake (magnitude 6.7 or greater) on one of the major active faults in the region would generate severe (MMI 8) ground shaking at the project site.[21]

The most significant adverse impact associated with strong seismic shaking is potential damage to structures and improvements. The risk of ground shaking impacts is reduced through adherence to the design and materials standards set forth in building codes. The California Building Code (CBC) (Title 24, Part 2 of the California Code of Regulations [CCR]), 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 2019 CBC and with the generally accepted standards of geotechnical practice for seismic design in Northern California.

Adherence to the 2019 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

18 California Department of Conservation (DOC). 2019. Alquist-Priolo Earthquake Fault Zones. Website: www.conservation.ca.gov/cgs/alquist-priolo (accessed February 2023).

19 DOC. 2021. *California Earthquake Hazards Zone Application ("EQ Zapp").* Website: https://maps.conservation.ca.gov/cgs/EQZApp/app/ (accessed February 2023).

20 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 February 2023).

21 Metropolitan Transportation Commission (MTC) and Association of Bay Area Governments (ABAG). 2018. Probabilistic Earthquake Shaking Hazard Map. Website: https://mtc.maps.arcgis.com/apps/webappviewer/index.html?id=4a6f3f1259df42eab29b35dfcd086fc8 (accessed February 2023).

soils, the effect of moisture variation on soil-bearing capacity, compressibility, liquefaction, and expansiveness; and that a geotechnical report be prepared to provide recommendations on foundation type and design criteria. With conformance with the CBC seismic design standards and completion of the required site-specific geotechnical investigation, potential impacts associated with strong seismic ground shaking would be reduced to a **less-than-significant** level.

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. According to CGS data,[22] the project site is not located in an area mapped as a liquefaction hazard zone. Therefore, the proposed project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure. This impact would be **less than significant.**

iv. Landslides? ***(Less-Than-Significant Impact)***

A landslide generally occurs on relatively steep slopes and/or on slopes underlain by weak materials. The project would be located on a flat site surrounded by existing development. Review of the CGS survey data indicates that the proposed project is not located in an area prone to landslides.[23] Therefore, the proposed project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving landslides. This impact would be **less than significant.**

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

Grading and earthmoving during project construction has the potential to result in erosion and loss of topsoil. 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. Because the proposed project would involve over 1 acre of land disturbance, it would be required to comply

22 DOC. 2021. op. cit.
23 Ibid.

with the Construction General Permit,[24] 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 Best Management Practices (BMPs) for erosion control that are recognized by the Regional Water Quality Control Board (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 above in Section 4.7.a, the site would not be subject to 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 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.**

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) and Rincon clay loam (0 to 2 percent slope) according to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey.[25]

Clear Lake Clay consists of poorly drained soils in basins. The Rincon clay loam consists of well-drained soils on alluvial fans. Both of these soils have a high shrink-swell potential.[26] As described above, the proposed project would be required to comply with the 2019 CBC and the geotechnical

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24 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.water boards.ca.gov/water_issues/programs/stormwater/docs/constpermits/wqo_2009_0009_factsheet.pdf (accessed February 2023).

25 United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS). 2023. Web Soil Survey. Website: websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx (accessed February 2023).

26 Ibid.

recommendations identified in the site-specific geotechnical investigation. Compliance with geotechnical recommendations and the 2019 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 wastewater disposal systems where sewers are not available for the disposal of wastewater? ***(No Impact)***

The proposed project would connect to the Vallejo Flood and Wastewater District's (VFWD) wastewater conveyance system. On-site treatment and disposal of wastewater is not proposed for the project; therefore, the proposed project would have **no impact** 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 to a depth of up to 12 feet below ground surface for building pads and utilities. The possibility of accidental discovery of paleontological resources during project construction cannot be discounted and **Mitigation Measure GEO-1** shall be incorporated.

Mitigation Measure GEO-1 Should paleontological resources be encountered during project subsurface construction 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 two 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 City of Vallejo 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 with mitigation incorporated.**

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?	☐	☐	☒	☐

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 (CH_4);
- 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 human-made 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. The 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 Bay Area Air Quality Management District's (BAAQMD) CEQA Guidelines[27] identifies applicable GHG significance thresholds. The BAAQMD recommends these thresholds of significance for use in determining whether a proposed project will have a significant impact related to climate change. 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 BAAQMD identifies and provides supporting documentation outlining the requirements that new land use development projects must comply with in order to achieve California's long-term climate goal of carbon neutrality by 2045. Based on this research, the BAAQMD has determined that new land use development projects need to incorporate design elements to contribute the "fair share" towards implementation of the goal of carbon neutrality by 2045. If a project is designed and built to incorporate the identified design elements, then it will 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 BAAQMD determined that if a project does not incorporate these design elements, then it should be found to make a significant climate impact because it will hinder California's efforts to address climate change.

According to the BAAQMD, a project would have a less-than-significant impact related to GHG emissions if it would:

a. Include, at a minimum, the following project design elements:

    1. 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.

    2. Transportation

        a. Achieve a reduction in project-generated vehicle miles traveled (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 Senate Bill 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:

[27] BAAQMD. 2023. *CEQA Guidelines*. Website: https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/updated-ceqa-guidelines (accessed July 2023).

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.

b. Or be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).

The City of Vallejo Climate Action Plan meets the BAAQMD requirements for a Qualified GHG Reduction Strategy and is designed to streamline environmental review of future development projects in the County of Solano 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 Assembly Bill (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 Senate Bill (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 BAAQMD's project design element thresholds.

Natural Gas Usage. According to the BAAQMD, a less-than-significant GHG impact would occur if the project does not include natural gas appliances or natural gas plumbing. Electricity and gas service is currently provided to the project site by Pacific Gas & Electric Company. However, as outlined in Section 2.0, Project Description, the proposed project would not utilize natural gas; therefore, the proposed project would be consistent with this design element.

Energy Usage. The project must not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under Section 21100(b)(3) and Section 15126.2(b) of the *State CEQA Guidelines*. Energy use consumed by the proposed project would be associated with electricity consumption and fuel used for vehicle trips associated with the project. Energy consumption was estimated for the project using default energy intensities by land use type in the CalEEMod output, which is included in Appendix A.

As previously discussed in Section 4.6, Energy, the estimated potential increased electricity demand associated with the proposed project is 2,581,201 kilowatt-hours (kWh) per year. In 2021, Solano County consumed 3,301 gigawatt-hours (GWh) or 3,300,852,690 kWh.[28] Therefore, electricity demand associated with the proposed project would be approximately 0.1 percent of Solano County's total electricity demand.

[28] BAAQMD. 2022. *Justification Report: CEQA Thresholds for Evaluating the Significance of Climate Impacts From Land Use Projects and Plans*. April.

In addition, the proposed project would result in energy usage associated with gasoline and diesel to fuel project-related trips. As discussed in Section 4.6, Energy, vehicle trips associated with the proposed project would consume approximately 220,290 gallons of gasoline per year and 139,839 gallons of diesel fuel per year. Based on fuel consumption obtained from EMFAC2021, approximately 54.3 million gallons of gasoline and approximately 29.4 million gallons of diesel fuel will be consumed from vehicle trips in Solano County in 2023. Therefore, gasoline and diesel fuel demand generated by vehicle trips associated with the proposed project would be a minimal fraction of gasoline and diesel fuel consumption in Solano County.

As such, based on this analysis, as required under 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 **(VMT).** To meet the BAAQMD'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 or meet a locally adopted SB 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's (OPR) 2018 *Technical Advisory on Evaluating Transportation Impacts in CEQA*. As discussed in Section 4.17, Transportation, the proposed project would have a less-than-significant VMT impact. As such, the proposed project would be consistent with this design element.

Electric Vehicle (EV) Requirements. This criterion requires that the project achieve compliance with off-street EV requirements in the most recently adopted version of the California Green Building Standards Code (CALGreen) Tier 2 measures. The current CALGreen Tier 2 requires that a minimum of 10 percent of the parking spaces provide EV charging. As discussed in Section 2.0, Project Description, approximately 10 percent of the provided parking is proposed to be EV charging ready as required by the CALGreen Code. As such, the proposed project would be consistent with this design element.

As demonstrated above, the proposed project would be consistent with the BAAQMD's project design elements related to natural gas, energy, VMT, and electric vehicle requirements. Therefore, the proposed project would be consistent with the BAAQMD's GHG emission thresholds. As such, the proposed project would not generate significant GHG emissions that would have a significant effect on the environment, and 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 with Mitigation Incorporated)***

The City of Vallejo Climate Action Plan identifies emission reduction goals to reduce GHG emissions in the City by 15 percent below the 2005 emission 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 apply for streamlining.

However, the Climate Action Plan sets forth goals, measures, and actions to achieve emission reductions; therefore, a qualitative analysis of the proposed project's consistency with these goals, measures, and actions is provided. These goals include measures related to City Government Operations (CG), Community Engagement (CE), Energy (E), Renewable Energy (RE), Transportation Demand Management (TDM), Optimized Travel (OT), Water, Wastewater, and Solid Waste (W), Off-Road Equipment (OR), and Adaptation (A). The following measures are applicable to the proposed project:

- E-2. Building Standards: Require all new development to meet the minimum California Title 24 and California Green Building Standards Code requirements, as amended, and encourage new development to exceed the minimum requirements.

- E-4. Cool Roofs and Pavements. Increase tree planting and the use of cool roofs and cool pavement materials to reduce the urban heat island effect and corresponding energy consumption. Implement tree replacement policy for projects where tree removal is necessary.

- TDM-2. Mixed-Use, Higher-Density, Transit-Oriented Development. Promote mixed-use, higher-density development near transit nodes.

- TDM-3. Bicycle and Pedestrian Travel. Expand and link the network of pedestrian and bicycle paths and facilities through preparation of a Bicycle and Pedestrian Master Plan, with the goal of increasing the bicycle and pedestrian mode share 20 percent by 2035.

- TDM-8. Jobs/Housing Balance. Plan for an improved jobs/housing balance in order to reduce the need for long-distance travel from residences to places of work.

- OT-1. Efficient and Alternative Fuel Vehicles. Support the expanded use of efficient and alternative fuel vehicles.

- OT-4. Zero Emission Vehicle Stations. Provide electric vehicle charging stations.

- W-2. Development Standards for Water Conservation. Require water conservation in all new buildings and landscapes.

- W-3. Recycling and Composting Efforts. Support waste diversion through composting and recycling programs.

- W-4. Development Standards for Recycling and Composting. Require waste diversion and use of recycled materials in new development.

- OR-2. Construction Equipment. Reduce emissions from heavy-duty construction equipment by limiting idling and utilizing cleaner fuels, equipment, and vehicles.

The proposed project involves the demolition of the existing, vacant commercial building on the project site and the construction of 11 multi-family residential buildings containing 429 dwelling units. The proposed project is not expected to result in a significant increase in the generation of

vehicle trips or VMT. Approximately 10 percent of the provided parking is proposed to be EV charging ready as required by the CALGreen Code. In addition, the proposed project would provide 22 short- and 429 long-term bicycle parking stalls at various locations across the project site; therefore, the project would support the ability to use alternative modes of transportation. The proposed project would also be required to comply with the 2019 Title 24 standards, regarding energy conservation and green building standards, reduction of wastewater and water use, and waste reduction. In addition, the proposed project would include landscaped areas and street planting, consistent with the urban cooling measure of the Climate Action Plan. As such, the proposed project would be consistent with applicable Climate Action Plan measures. In addition, 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**. Therefore, the proposed project would not conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the GHG emissions. 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 demolition of the existing, vacant commercial building on the project site and the construction of 11 multi-family residential buildings containing 429 dwelling units. Improvements on the site also include various outdoor amenity areas for private use including a pool and courtyard with lounge seating and cabanas, recreation lawn, dog park, outdoor dining, and private patios. Because the proposed project is for private residential use, it would generally not involve transport, use, or disposal of significant quantities of hazardous materials after the completion of construction; only small quantities of chemicals would be used for routine maintenance that would not pose a significant threat to human or environmental health.

Construction of the proposed project has the potential to create a hazard to the public or environment through the routine transportation, use, and disposal of construction-related hazardous materials such as fuels, soils, solvents, and other materials. These materials are typical of materials delivered to construction sites.

The removal of hazardous building materials prior to demolition of structures is governed by federal and State laws and regulations. Federal regulations require that lead-based paint be removed prior to demolition if the paint is loose and peeling. Loose and peeling paint must be disposed of as a State and/or federal hazardous waste if the concentration of lead exceeds applicable waste thresholds. State and federal construction worker health and safety regulations require air monitoring and other protective measures during demolition activities where lead-based paint is present, and notification to the California Division of Occupational Safety and Health (DOSH) for abatement activities.

Workers who conduct hazardous materials abatement and demolition activities must be trained in accordance with Occupational Health and Safety Administration (OSHA) and California OSHA (Cal/OSHA) requirements. Hazardous building materials removed during construction must be transported in accordance with U.S. Department of Transportation (USDOT) regulations and disposed of in accordance with the federal Resource Conservation and Recovery Act (RCRA), the California Code of Regulations (CCR), and/or the California Universal Waste Rule at a facility permitted to accept the wastes. Section 19827.5 of the California Health and Safety Code requires that local agencies not issue demolition or alteration permits until an applicant has demonstrated compliance with notification requirements under applicable federal regulations regarding hazardous air pollutants, including asbestos. If asbestos is identified, the Bay Area Air Quality Management District (BAAQMD) Regulation 11-2-401.3 requires notification to be made to BAAQMD prior to demolition activities. Other hazardous building materials, such as electrical equipment and fluorescent light ballasts containing polychlorinated biphenyls (PCBs), and fluorescent tubes or thermostats containing mercury, must be removed from buildings prior to demolition and disposed of in accordance with the California Universal Waste Rule and other federal and State regulations. Compliance with these regulations would ensure that demolition and removal of existing structures on the project site would be less than significant.

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 California Code of Regulations Title 8 and Title 22. Therefore, 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. Therefore, 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 main 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 which could pose a risk to construction workers and the public. However, the project applicant would be required to comply with existing government regulations in the use and disposal of these materials, and such materials would not be used in sufficient strength or quantity to create a substantial risk to human or environmental health.

The portion of the project site proposed for construction is developed with an existing, vacant commercial building and associated asphalt parking. The project site is surrounded by residential uses with some vacant lands zoned for industrial and commercial use. As described further below in Section 4.9.d, there are no known hazardous materials sites located in proximity to the project site that would represent a significant risk to public health or safety (e.g., on-site storage, leaking tanks, approaching groundwater contamination plume). Therefore, it is unlikely that the soil and groundwater are contaminated with significant toxic or hazardous materials that would be released during construction. Additionally, compliance with the regulations described previously in Section 4.9.a would ensure that the proposed project would not create a significant hazard to the public or the environment through accident conditions involving the release of hazardous materials into the environment during the transport, use, or disposal of hazardous materials by ensuring that these materials are properly handled during construction of the proposed project. Therefore, this impact would be **less than significant**.

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 or proposed schools within 0.25 mile of the proposed project. The three closest schools to the project site are: Dan Mini Elementary School, located at 1530 Lorenzo Drive approximately 0.42-mile northwest of the project site; Hogan Middle School, located at 850 Rosewood Avenue approximately 3.78 miles southeast of the project site; and Vallejo High School, located at 840 Nebraska Street approximately 3.0 miles south of the project site. Because these distances are greater than 0.25 mile from the project site, the proposed project would not emit hazardous emission or handle hazardous materials within 0.25 mile of an existing or proposed school. **No impact** 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? ***(Less-Than-Significant Impact)***

The project site and a 1-mile radius encompassing the project site were evaluated via the State Water Resources Control Board (SWRCB) GeoTracker database,[29] the Department of Toxic

[29] State Water Resources Control Board (SWRCB). 2022. Geotracker Database. Website: https://geotracker.waterboards.ca.gov/ (accessed January 24, 2023).

Substances Control's (DTSC) EnviroStor database,[30] and the Hazardous Waste and Substances Sites (Cortese) List [31] for the purposes of identifying recognized environmental conditions or historical recognized environmental conditions. A total of 29 properties with recognized environmental conditions or historical recognized environmental conditions were identified within 1 mile of the project site, as detailed in Table 4.G.

Table 4.G: Hazardous Materials Database Search

Property	REC[1]	Historical Recognized Environmental Condition	Location Relative to the Project Site	Status of the Property
Texaco at 5201 Sonoma Boulevard	-	Gasoline contamination of groundwater for uses other than drinking water.	Approximately 2,620 feet north of the project site.	Completed – Case closed as of 6/12/1998. A closure letter or other formal closure decision document has been issued for the site.
Chevron at 5200 Sonoma Boulevard	-	Gasoline, waste oil, motor oil, hydraulic oil, and lubricating oil contamination of groundwater for uses other than drinking water.	Approximately 2,750 feet north of the project site.	Completed - Case closed as of 12/12/2002. A closure letter or other formal closure decision document has been issued for the site.
B&N Super Stop at 701 Mini Drive	-	Non-specified.	Approximately 2,530 feet northeast of the project site.	Completed – Case closed as of 8/14/2015. A closure letter or other formal closure decision document has been issued for the site.
Vallejo Fire Station #5 at 595 Mini Drive	-	Gasoline contamination of soil.	Approximately 2,720 feet northeast of the project site.	Completed - Case closed as of 6/2/2004. A closure letter or other formal closure decision document has been issued for this site.
Goldberg Property at 380 Mini Drive	-	Gasoline contamination of soil.	Approximately 2,180 feet east of the project site.	Completed – Case closed as of 4/3/1997. A closure letter or other formal closure decision document has been issued for the site.
Chevron at 1610 Fairgrounds Drive	-	Gasoline contamination of groundwater for uses other than drinking water.	Approximately 5,150 feet east of the project site.	Completed – Case closed as of 9/9/1998. A closure letter or other formal closure decision document has been issued for the site.

[30] California Department of Toxic Substances Control (DTSC). 2022. EnviroStar Database Website: https://www.envirostor.dtsc.ca.gov/public/ (accessed January 24, 2023).

[31] California Environmental Protection Agency (Cal/EPA). 2020. Cortese List Data Resources. Website: calepa.ca.gov/sitecleanup/corteselist/ (accessed January 24, 2023).

Table 4.G: Hazardous Materials Database Search

Property	REC[1]	Historical Recognized Environmental Condition	Location Relative to the Project Site	Status of the Property
Six Flags Marine World at 2001 S Marine World Parkway	-	Gasoline contamination of surface water.	Approximately 2,460 feet southeast of the project site.	Completed – Case closed as of 12/12/2002. A closure letter or other formal closure decision document has been issued for the site.
Vallejo Young USARC at 120 Mini Drive	-	Non-specified.	Approximately 1,670 feet southeast of the project site.	Completed – Case closed as of 5/20/2010. A closure letter or other formal closure decision document has been issued for this site.
Caltrans at 1700 Lewis Brown Drive	-	Gasoline contamination of groundwater for uses other than drinking water.	Approximately 1,520 feet south of the project site.	Completed - Case closed as of 7/20/1998. A closure letter or other formal closure decision document has been issued for this site.
WDT Caltrans at 2001 Broadway	-	Diesel and total petroleum hydrocarbons (TPH) contamination of soil and groundwater for uses other than drinking water.	Approximately 1,350 feet south of the project site.	Completed - Case closed as of 12/17/2015. A closure letter or other formal closure decision document has been issued for this site.
Caltrans – Western Direct Transport at 2010 Broadway	Cleanup Program Site. Diesel and total petroleum hydrocarbons (TPH) contamination of soil and groundwater for uses other than drinking water.	-	Approximately 1,360 feet south of the project site.	Open – Site Assessment as of 1/27/2016.
Shell at 1990 Broadway	-	Gasoline contamination of groundwater for uses other than drinking water.	Approximately 1,860 feet south of the project site.	Completed - Case closed as of 10/20/1999. A closure letter or other formal closure decision document has been issued for this site.
Arco #0761 at 1985 Broadway	-	Diesel and gasoline contamination of groundwater for uses other than drinking water.	Approximately 2,040 feet south of the project site.	Completed - Case closed as of 2/28/2014. A closure letter or other formal closure decision document has been issued for this site.
COFAB Corp at 1667 Marine World Parkway	-	Copper, diesel, waste oil, motor oil, hydraulic oil, and lubricating oil contamination of groundwater for uses other than drinking water.	Approximately 2,320 feet south of the project site.	Completed - Case closed as of 6/20/2006. A closure letter or other formal closure decision document has been issued for this site.

Table 4.G: Hazardous Materials Database Search

Property	REC[1]	Historical Recognized Environmental Condition	Location Relative to the Project Site	Status of the Property
Brad's Vallejo Transmission at 1627 Lewis Brown Drive	-	Stoddard solvent, mineral spirits, distillates, waste oil, motor oil, hydraulic oil, and lubricating oil contamination of groundwater for uses other than drinking water.	Approximately 2,640 feet south of the project site.	Completed - Case closed as of 5/25/2005. A closure letter or other formal closure decision document has been issued for this site.
Coca Cola at 1609 Marine World Parkway	-	Gasoline contamination of soil.	Approximately 3,010 feet south of the project site.	Completed - Case closed as of 5/29/1996. A closure letter or other formal closure decision document has been issued for this site.
Kilpatricks Bakery Inc. at 1901 Broadway	-	Gasoline contamination of groundwater for uses other than drinking water.	Approximately 3,370 feet south of the project site.	Completed - Case closed as of 7/2/2001. A closure letter or other formal closure decision document has been issued for this site.
Powell Brothers at 1895 Broadway	-	Diesel contamination of soil.	Approximately 3,600 feet south of the project site.	Completed - Case closed as of 7/11/1996. A closure letter or other formal closure decision document has been issued for this site.
Vallejo Transit at 1850 Broadway	-	Diesel contamination of groundwater for uses other than drinking water.	Approximately 4,490 feet south of the project site.	Completed - Case closed as of 5/5/2009. A closure letter or other formal closure decision document has been issued for this site.
Ace Cleaners at 4380 Sonoma Boulevard	Cleanup Program Site. Dichloroethene (DCE), tetrachloroethylene (PCE), trichloroethylene (TCE), and vinyl chloride contamination of indoor air, soil, and soil vapor.	-	Approximately 2,900 feet south of the project site.	Open – Verification Monitoring as of 4/12/2019.
Shell at 1604 Lewis Brown Drive	-	Gasoline contamination of groundwater for uses other than drinking water.	Approximately 2,740 feet south of the project site.	Completed - Case closed as of 61/23/2017. A closure letter or other formal closure decision document has been issued for this site.

Table 4.G: Hazardous Materials Database Search

Property	REC[1]	Historical Recognized Environmental Condition	Location Relative to the Project Site	Status of the Property
Chevron at 4375 Sonoma Boulevard	-	Gasoline contamination of groundwater for uses other than drinking water.	Approximately 3,430 feet south of the project site.	Completed - Case closed as of 12/6/2013. A closure letter or other formal closure decision document has been issued for this site.
Bill Lang Pontiac Cadillac at 4301 Sonoma Boulevard (2 cleanup actions)	-	Metals, waste oil, motor oil, hydraulic oil, and lubricating oil contamination of soil and groundwater for uses other than drinking water.	Approximately 4,470 feet south of the project site.	Completed – The first case closed as of 5/13/1997. The second case closed as of 3/11/2010. A closure letter or other formal closure decision document has been issued for this site.
Connoly Development at 4300 Sonoma Boulevard	-	Gasoline contamination of unspecified media.	Approximately 5,080 feet south of the project site.	Completed - Case closed as of 7/23/1999. A closure letter or other formal closure decision document has been issued for this site.
Acme Transfer Storage Inc. at 163 Yolano Drive	-	Gasoline contamination of unspecified media.	Approximately 5,200 feet south of the project site.	Completed - Case closed as of 5/20/1996. A closure letter or other formal closure decision document has been issued for this site.
Auto Outlet at 140 Yolano Drive	-	Gasoline contamination of soil.	Approximately 1 mile south of the project site.	Completed - Case closed as of 7/2/2001. A closure letter or other formal closure decision document has been issued for this site.
Service Station formerly at 1502 Marine World Parkway	-	Gasoline contamination of groundwater for uses other than drinking water.	Approximately 3,440 feet southwest of the project site	Completed - Case closed as of 1/25/2005. A closure letter or other formal closure decision document has been issued for this site.
Sharpe Van & Storage at 1133 Enterprise Street	-	Gasoline contamination of unspecified media.	Approximately 4,480 feet southwest of the project site.	Completed - Case closed as of 6/8/2000. A closure letter or other formal closure decision document has been issued for this site.
Former Tesoro #67115 at 1295 Enterprise Street	-	Gasoline contamination of groundwater for uses other than drinking water.	Approximately 4,790 feet southwest of the project site.	Completed - Case closed as of 1/8/2018. A closure letter or other formal closure decision document has been issued for this site.

Sources: State Water Resources Control Board (SWRCB) (2022); California Department of Toxic Substances Control (DTSC) (2022).
[1] Recognized Environmental Condition

As shown in Table 4.G, the regulatory oversight statuses of all but two recorded release sites listed leaking underground storage tanks (LUSTs) and spill sites within 1 mile of the project site as closed. A closed site indicates that regulatory requirements for response actions, such as site assessment and remediation, have either been completed or were not necessary and therefore potential migration of residual contaminants in groundwater beneath the project site does not likely pose a risk to human health and the environment.

The two active cleanup sites identified are (1) the Caltrans – Western Direct Transport at 2010 Broadway approximately 1,360 feet south of the project site, and (2) Ace Cleaners at 4380 Sonoma Boulevard approximately 2,900 feet south of the project site. Based on the type of cleanup site and distance from the project site, neither of these sites represents a significant risk to public health or safety on the project site. None of these properties occurs on or adjacent to the project site or has any activities or materials that would represent a significant risk to public health or safety (e.g., on-site storage, leaking tanks, or approaching groundwater contamination plume) on the project site. Therefore, impacts would be **less than significant**.

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)***

Solano County contains three airports: Travis Air force Base (Travis AFB), located approximately 17.2 miles northeast of the project site; the Nut Tree Airport, located approximately 22 miles northeast of the project site; and the Rio Vista Municipal Airport, located approximately 30 miles east of the project site. The Solano County Airport Land Use Commission (ALUC) oversees the orderly development of airports and adoption of land use measures that minimize public exposure to excessive noise and safety hazards in areas around public airports, as well as prepares the airport land use compatibility plans (ALUCP) for the three airports located within the County.

No airports are located within the City of Vallejo, and the project site is not within the Travis Air Force Base Plan, the Nut Tree Airport Plan, or the Rio Vista Municipal Airport Plan. In addition, all of these airports are located further than 2 miles from the project site. Therefore, the project would result in **no impact** regarding safety hazards or excessive noise for people residing within the project area.

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 *Vallejo General Plan 2040* Nature and Built Environment chapter addresses natural and human-made hazards and dangers and offers methods to mitigate natural hazards, enhance disaster resistance, and promote public safety. The element focuses on natural disasters, including earthquake hazards (surface faulting, ground shaking, liquefaction, landslides, and tsunamis), and weather-related hazards (flooding, landslides, wildfires, drought, and climate change). The element does not identify specific evacuation routes within the City.

The Solano County General Plan Public Health and Safety chapter discusses disaster preparedness, and the Solano County Office of Emergency Services (OES) is responsible for creating and

maintaining the Solano County Emergency Operations Plan (EOP). The plan establishes management organization and assigns functions and tasks consistent with California's Standardized Emergency Management System (SEMS) and the National Incident Management Systems (NIMS). It provides for the integration and coordination of planning efforts of Solano County and the intent of the EOP is to provide direction on how to respond for an emergency form the onset through extended response, and into the recovery process.[32] The Solano County OES also prepares and maintains the Solano County Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) which identifies risks and ways to minimize damage from natural and human-made disasters. Section 7 of the MJHMP details the hazard mitigation planning elements specific to the City of Vallejo.[33] Neither of these plans identify specific evacuation routes within the City or the County.

Construction activities that may temporarily restrict vehicular traffic would implement adequate and appropriate measures to facilitate the passage of persons and vehicles through/around any required road closures. As a condition of project approval, the applicant's construction manager would be required to provide lane closure requirements to the City as well as to local emergency service responders (i.e., ambulance companies, fire department, and police department). Adherence to the emergency access measures required by the City would ensure that impacts related to the implementation of or physical interference with an adopted emergency response plan or emergency evacuation plan would be less than significant.

The proposed project would be consistent with the policies outlined in the Solano County General Plan Public Health and Safety chapter, the City of Vallejo General Plan Nature and Built Environment chapter, Solano County EOP, and the Solano County MJHMP. 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 emergency evacuation routes. 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. Prior to approval of final maps and improvement plans for any development project within Vallejo, plan review and approval by the Vallejo Fire District is required. Internal roadways and ingress/egress for each site would be required to meet State and local standards regarding turning radius, road width, and emergency vehicle access. Therefore, potential impacts to 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)***

According to the California Department of Forestry and Fire Protection (CAL FIRE), the project site is within a local responsibly area (LRA), meaning the local government (the City of Vallejo) is financially responsible for wildland fire protection but is not considered to be within a Very High Fire Hazard

[32] Solano County Office of Emergency Services (OES). 2017. *Solano County Emergency Operations Plan (EOP).* Updated January 2017. Website: https://www.solanocounty.com/civicax/filebank/blobdload.aspx?BlobID=13271 (accessed January 24, 2023).

[33] Solano County Office of Emergency Services (OES). 2022. *Solano County Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) Volume II, Section 7 City of Vallejo.* March 15, 2022. Website: https://www.solanocounty.com/civicax/filebank/blobdload.aspx?blobid=37785 (accessed January 24, 2023).

Severity Zone (VHFHSZ).[34] Additionally, the City of Vallejo General Plan states that there are no Very High Fire Hazard Areas in or adjacent to the City, and does not identify the project site or surrounding area as being in a moderate or high wildfire risk area.

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 consistent with surrounding residential uses and the allowable zoning for the project site. The proposed project would be subject to the design standards and guidelines as outlined in the City of Vallejo Municipal Code and would undergo Development Review 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 California Building Standards Code, 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.

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**.

[34] California Department of Forestry and Fire Protection (CAL FIRE). 2022. Solano County, State Responsibility Area Fire Hazard Severity Zones. November 2022. Website: https://osfm.fire.ca.gov/media/5wwwjs5hp/fhsz_county_sra_11x17_2022_solano_ada.pedf (accessed January 24, 2022).

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)***

Construction. The proposed project involves the demolition of the existing, vacant commercial building and associated surface parking on the project site and the construction of 11 new multi-family residential buildings and associated improvements. 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 project is subject to the requirements of the National Pollutant Discharge Elimination System (NPDES) permit Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ, NPDES No. CAS000002, as amended by

Order Nos. 2010-0014-DWQ and 2012-0006-DWQ) (Construction General Permit).[35] The Construction General Permit (CGP) requires preparation of a Stormwater Pollution Prevention Plan (SWPPP) and implementation of construction Best Management Practices (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 and Good Housekeeping BMPs to prevent spills, leaks, and discharge of construction debris and waste into receiving waters. Adherence with the CGP would ensure construction impacts related to surface water quality standards, waste discharge requirements, and surface water quality would be **less than significant**.

Operation. Pollutants of concern from long-term operations include pathogens (bacteria/viruses), metals, nutrients, toxic organic compounds, pesticides/herbicides, sediments/total suspended solids, trash and debris, and oil and grease. However, the proposed project would be subject to the requirements of the California Regional Water Quality Control Board San Francisco Bay Region Municipal Regional Stormwater NPDES Permit (MRP) (Order No. R2-2022-0018, NPDES Permit No. CAS612008).[36] The MRP covers stormwater discharges from municipalities and local agencies in Alameda, Contra Costa, San Mateo, and Santa Clara counties, and the cities of Fairfield, Suisun City, and Vallejo. 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 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 Low Impact Development (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. As outlined in Section 2.0, Project Description, the proposed project would include approximately 16,131 square feet of bioretention space throughout the project site that would be used for stormwater control. The proposed project would include the construction of 12-, 15- and 30-inch storm drains with associated manholes throughout the project area that would connect to the bioretention basins and existing stormwater facilities on Sonoma Boulevard and Broadway. 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**.

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35 California Regional Water Quality Control Board (RWQCB). 2013. Order No. 2009-0009-DWQ, NPDES No. CAS000002, as amended by Orders No. 2010-0014-DWQ, and 2012-0006-DWQ, *Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction and Land Disturbance Activities* (accessed February 9, 2023).

36 California Regional Water Quality Control Board. 2022. San Francisco Bay Region Municipal Regional Stormwater NPDES Permit Order No. R2-2022-0018, Permit No. CAS612008. May 11. Website: https://www.waterboards.ca.gov/sanfranciscobay/board_decisions/adopted_orders/2022/R2-2022-0018.pdf (accessed February 9, 2023).

Therefore, because the proposed project would be required to comply with existing regulations including the CGP 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.[37] 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.[38] Therefore, construction impacts related to depletion of groundwater supplies or interference with groundwater recharge would be less than significant.

The project site is currently developed and largely covered with impervious surfaces; therefore, development of the project would not 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 increase water use, 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.[39] 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**.

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37 California Department of Water Resources (DWR). 2022. SGMA Data Viewer. Website: https://sgma.water.ca.gov/webgis/index.jsp?appid=gasmaster&rz=true (accessed August 2022).

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

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

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, 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 discussed above in Section 4.10.a, the CGP requires the preparation of a SWPPP 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 CGP and implementation of construction BMPs, construction impacts related to on- or off-site erosion or siltation would be **less than significant**.

Upon construction of the proposed project, approximately 9.7 acres (77 percent) of the project site would be covered by impervious surfaces and approximately 2.8 acres (23 percent) would be covered by pervious surfaces, consisting of landscaped areas with lawns, shrubs, and trees. In compliance with the MRP, the proposed project would include approximately 16,131 square feet of bioretention space that would be used for stormwater control, treatment, and infiltration. The proposed project would include the construction of 12-, 15- and 30-inch storm drains with associated manholes throughout the project area that would connect to the bioretention basins and existing stormwater facilities on Sonoma Boulevard and Broadway. Therefore, due to the 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)***

The project site is currently developed with an existing commercial building, paving, concrete, and other impervious surfaces, which account for the majority of the 12.6-acre project site. Upon construction of the proposed project, approximately 9.7 acres (77 percent) of the project site would be covered by impervious surfaces and approximately 2.8 acres (23 percent) would be covered by pervious surfaces, consisting of landscaped areas with lawns, shrubs, and trees. The proposed project would include approximately 16,131 square feet of bioretention space throughout the project site that would be used for stormwater control. The proposed project would include the construction of 12-, 15- and 30-inch storm drains with associated manholes throughout the project area that would connect to the bioretention basins and existing stormwater facilities on Sonoma Boulevard and Broadway. The proposed drainage facilities and BMPs needed to accommodate stormwater runoff would also be appropriately sized so that on-site flooding would not occur. Therefore, due to the implementation of LID techniques as required by the MRP, 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. 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? ***(Less-Than-Significant Impact)***

The proposed project would include approximately 16,131 square feet of bioretention space throughout the project site that would be used for stormwater control. The proposed project would include the construction of 12-, 15- and 30-inch storm drains with associated manholes throughout the project area that would connect to the bioretention basins and existing stormwater facilities on Sonoma Boulevard and Broadway. The proposed drainage facilities and BMPs needed to accommodate stormwater runoff would be appropriately sized such that on-site drainage facility capacity would not be exceeded during a design storm. Therefore, the proposed project would not result in an exceedance of planned or existing stormwater drainage systems.

As discussed previously in Section 4.10.a, 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. Drainage patterns would be temporarily altered during grading and other construction activities, and construction-related pollutants could be spilled, leaked, or transported via storm runoff into adjacent drainages and downstream receiving waters. However, as discussed, the proposed project would be required to comply with the requirements set forth by the CGP and SWPPP, which would specify BMPs to be implemented to control the discharge of pollutants in stormwater runoff as a result of construction activities.

Expected pollutants of concern from long--term operations include pathogens (bacteria/viruses), metals, nutrients, toxic organic compounds, pesticides/herbicides, sediments/total suspended solids, trash and debris, and oil and grease. As discussed, compliance with the MRP and the implementation of LID techniques, including the construction of approximately 16,131 square feet of bioretention space would ensure that no substantial sources of polluted runoff would be discharged from the project site. Impacts would be **less than significant**.

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

The project site is not located within a Federal Emergency Management Agency (FEMA) designated 100-year or 500-year floodplain.[40] 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**.

[40] 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).

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

The project site is not located within a FEMA designated 100-year or 500-year floodplain.[41] The project site is not located in an area mapped by the California Emergency Management Agency as being potentially inundated by a tsunami.[42] Seiches are waves that are created in an enclosed body of water such as a bay, lake, or harbor and go up and down or oscillate and do not progress forward like standard ocean waves. The nearest water bodies are the Napa River, located approximately 1 mile west of the project site, and Lake Chabot, located approximately 1 mile southeast of the project site. Both of these water bodies are located at a lower elevation than the project site and would not inundate the project site in the event of a seiche. Therefore, there would be **no impact** related to the release of pollutants in the event of inundation due to flood hazard, tsunamis, or seiches.

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

The Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan)[43] is the master policy document that establishes the water quality objectives and strategies needed to protect designated beneficial water uses in the San Francisco Bay region. The State Water Board and the Regional Water Board enforce compliance with the water quality objectives of the Basin Plan through the issuance of NPDES permits. The project's compliance with existing permit requirements as discussed in Section 4.10.a, including the CGP and MRP, would ensure that the proposed project would not conflict with the Basin Plan, and this impact would be less than significant.

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**.

41 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).

42 DOC. 2022. *Solano County Tsunami Hazard Areas.* Website: https://www.conservation.ca.gov/cgs/tsunami/maps/solano (accessed February 9, 2023).

43 California Regional Water Quality Control Board (RWQCB). 2017. San Francisco Bay Region. *Water Quality Control Plan for the San Francisco Bay Basin*. May 4.

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 physical feature (such as an interstate highway or railroad tracks) or removal of a means of access (such as a local road or bridge) that would impair mobility within an existing community, or between a community and outlying area. 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 the community.

The project site is located in an urban area of the City of Vallejo and is generally surrounded by residential uses. To the north, the project site is bounded by a large triangular vacant lot that is zoned Central Corridor Commercial (CC). The site is bordered immediately to the east by Broadway and railroad tracks. Further east is the College Estates Subdivision, consisting of a single-family residential development. The project site is bordered immediately to the south by industrial uses, including Central Self-Storage and Recology Vallejo, and State Route 37 further south. The project site is bordered immediately to the west by Sonoma Boulevard. Further west is the Delta Meadows subdivision, consisting of single-family residential development. The proposed project would include the development of the project site with residential uses, consistent with residential communities in the surrounding area. The proposed project would not require the construction of any new infrastructure that would divide an established community and would not remove any means of access. Therefore, the proposed project would not result in a physical division of an established community or adversely affect the continuity of land uses in the vicinity. 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 *Vallejo General Plan 2040* designates the project site as North Gateway District (D-NG) The D-NG designation "is intended to foster an integrated, pedestrian-oriented place with a mix of uses, such as retail, dining, entertainment, and lodging, that cater to both motorists passing through and surrounding neighborhoods. It also incorporates higher-density residential development that supports nearby services and activates the area." The maximum permitted floor-area ratio (FAR) in the D-NG designation is 2.0, with a minimum residential density of 30 dwelling units per acre up to 50 dwelling units per acre. The project site is zoned Central Corridor Commercial (CC). Land uses in

the Central Corridor Commercial zone include mixed-use with housing, medium and high density residential, or non-residential uses at street level, subject to design and development standards to promote a mixed-use and pedestrian orientation. The proposed project would develop the 12.6-acre project site with 11 multi-family residential buildings containing 429 dwelling units, resulting in 34 dwelling units per acre, which meets the residential density standard for the D-NG designation. In addition, the proposed project would also require building permits, Development Review, Design Review and Landscape Review.

It should be noted that according to CEQA, policy conflicts do not, in and of themselves, constitute a significant environmental impact. 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/Mitigated Negative Declaration (IS/MND) under specific topical sections. The proposed project would not result in any direct physical impacts that cannot be mitigated to a less-than-significant level.

The proposed project would not conflict with any applicable land use plans, policies, or regulations that were adopted for the purpose of avoiding or mitigating an environmental effect. This impact would be **less than significant**.

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)***

Minerals are any naturally occurring chemical element or compound, or groups of elements and compounds, formed from inorganic processes and organic substances including, but not limited to, coal, peat and oil-bearing rock, but excluding geothermal resources, natural gas and petroleum. Rock, sand, gravel, and earth are also considered minerals by the Department of Conservation when extracted by surface mining operations. The project site is located within an urban area on a previously developed site, and there are no known mineral resources within the vicinity of the project site that would be of value to the region or to the State. According to the 2008 Solano County General Plan, the project site is not located in any mineral resource zones and there are no mineral resource zones adjacent to the project site. The site has been disturbed and any construction activities (i.e., grading, soil excavation, etc.) would not be at a depth where unknown mineral resources may be inadvertently discovered. Therefore, development of the proposed Project would not result in the loss of available mineral resources. **No impact** related to mineral resources would occur.

*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 locally important mineral resources recovery site would occur.

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?	☐	☐	☒	☐

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 10-fold 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. 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 community noise equivalent level (CNEL), and the day-night average level (L_{dn}) based on A-weighted decibels (dBA). 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 10 dBA weighting factors applied to noise 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 one dBA of each other and

are normally exchangeable. The noise adjustments are added to the noise events occurring during the more sensitive hours.

Regulatory Framework. The City of Vallejo sets noise and land use compatibility standards in the Nature and Built Environment section of the 2040 General Plan.[44] 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 multi-family residential projects, the acceptable exterior and interior noise levels are an exterior L_{dn} of 65 dBA (excluding balconies) and an interior L_{dn} of 45 dBA.

In addition, the City regulates noise in Section 16.502.09 of the City of Vallejo Municipal Code.[45] Table 16.502-C of the Municipal Code, 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 and multiple-unit residential, the maximum noise levels are 60 dBA L_{eq} and 65 dBA L_{eq}, respectively.

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

Table 4.H: 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

[44] City of Vallejo. 2017. *Vallejo General Plan 2040*. August 29.
[45] City of Vallejo. 2023. *Municipal Code Section 16.502.09*. February 7. Website: https://library.municode.com/ca/vallejo/codes/municipal_code (accessed March 2023).

Vibration standards included in the Federal Transit Administration's (FTA) 2018 *Transit Noise and Vibration Impact Assessment Manual* (FTA Manual) are used in this analysis for ground-borne vibration impacts on human annoyance. The criteria for environmental impact from ground-borne vibration and noise are based on the maximum levels for a single event. Table 4.I provides the criteria for assessing the potential for interference or annoyance from vibration levels in a building.

Table 4.I: Interpretation of Vibration Criteria for Detailed Analysis

Land Use	Max L_v (VdB)[1]	Description of Use
Workshop	90	Vibration that is distinctly felt. Appropriate for workshops and similar areas not as sensitive to vibration.
Office	84	Vibration that can be felt. Appropriate for offices and similar areas not as sensitive to vibration.
Residential Day	78	Vibration that is barely felt. Adequate for computer equipment and low-power optical microscopes (up to 20×).
Residential Night and Operating Rooms	72	Vibration is not felt, but ground-borne noise may be audible inside quiet rooms. Suitable for medium-power microscopes (100×) and other equipment of low sensitivity.

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
[1] As measured in 1/3-Octave bands of frequency over the frequency range 8 to 80 Hertz.
FTA = Federal Transit Administration
LV = velocity in decibels
Max = maximum
VdB = vibration velocity decibels

Table 4.J lists the potential vibration building damage criteria associated with construction activities, as suggested in the FTA Manual. FTA guidelines show that a vibration level of up to 0.5 inches per second (in/sec) in peak particle velocity (PPV) is considered safe for buildings consisting of reinforced concrete, steel, or timber (no plaster), and would not result in any construction vibration damage. For non-engineered timber and masonry buildings, the construction building vibration damage criterion is 0.2 in/sec in PPV.

Table 4.J: Construction Vibration Damage Criteria

Building Category	PPV (in/sec)
Reinforced concrete, steel, or timber (no plaster)	0.50
Engineered concrete and masonry (no plaster)	0.30
Non-engineered timber and masonry buildings	0.20
Buildings extremely susceptible to vibration damage	0.12

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
FTA = Federal Transit Administration
in/sec = inch/inches per second
PPV = peak particle velocity

Existing Conditions. 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 a mix of commercial and residential uses. The closest sensitive receptors are the residences located to the west, approximately 150 feet from the project site boundary.

Existing noise sources at the project site are primarily associated with traffic on Sonoma Boulevard and surrounding roadways, including Broadway.

Residential Noise Analysis. In *California Building Industry Association v. Bay Area Air Quality Management District,* the Supreme Court of California ruled that "CEQA generally does not require an analysis of how existing environmental conditions will affect a project's future users or residents."[46] With this ruling, CEQA no longer considers the impact of the environment on a project to be an environmental impact, unless the project could exacerbate an existing environmental hazard. Therefore, an environmental document is not required to include an evaluation of whether the project would have the potential to expose project site residential receptors to excessive noise from existing noise sources near the project site, and such an analysis is not included the impact analysis below. However, the City of Vallejo General Plan requires that a noise analysis be completed for residential projects to ensure that the residents are not exposed to noise levels in excess of General Plan standards. To address this requirement, an analysis of noise levels that would be experienced in the private exterior living areas as well as inside the proposed residences was conducted. That analysis is presented below.

Exterior Noise Assessment. The existing measured noise levels at the project site range from approximately 65.8 dBA L_{dn} to 75.4 dBA L_{dn}, based on existing noise levels measured between February 9, 2023, and February 10, 2023, in the vicinity of the project. As established in the City's General Plan, an exterior noise level of up to 65 dBA L_{dn} would be considered the standard for community noise exposure.

Based on the project site plan, the pool area in the center of the project site is considered as an exterior sensitive use. Taking into account the reduction of noise due to distance attenuation, estimated noise levels would approach 65 dBA CNEL. Once the shielding provided by existing or proposed buildings is accounted for the exterior noise levels would be below the City's 65 dBA L_{dn} exterior noise level standard. Therefore, noise reduction measures would not be required.

***Interior Noise Assessment*.** As discussed above, per the California Code of Regulations (CCR) and the City's interior noise level standard, an interior noise level standard of 45 dBA L_{dn} or less is required for all noise-sensitive rooms. Based on the expected future exterior noise levels at the residences closest to Sonoma Boulevard approaching 75 dBA L_{dn}, a minimum noise reduction of 30 dBA would be required.

Based on reference information from transmission loss test reports for various Milgard windows[47], the necessary reduction can be achieved with standard building construction and upgraded windows with Sound Transmission Class (STC) ratings of 30–35. With upgraded windows with STC 32, interior noise levels would be of 45 dBA, and this noise level would not exceed the City's interior noise standard of 45 dBA L_{dn} for residential uses. Other façades on the project site are farther from surrounding roadways and would be exposed to lower traffic noise levels.

[46] *California Building Industry Assn. v. Bay Area Air Quality Management District.* 2015. 62 Cal.4th 369, 386.
[47] Milgard Windows and Doors. 2008. Various Transmission Loss Reports.

Once final plans are available and a window manufacturer has been chosen, a final acoustic report would be required to confirm the reduction capability of the exterior façades and to identify any specific upgrades necessary to achieve an interior noise level of 45 dBA L_{dn} or below.

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 Impact)***

Construction-Period Impacts. Construction of the proposed project would 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 from one day to several days depending on the phase of construction. Project construction would occur for approximately 3 to 4 months. The level 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. **Error! Reference source not found.**K 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 construction of the project 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 **Error! Reference source not found.**, there would be a relatively high single-event noise exposure potential at a maximum level of 85 dBA maximum A-weighted sound level (L_{max}) with trucks passing from 50 feet.

The second type of short-term noise impact is related to noise generated during demolition of existing structures, excavation, grading, and construction 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, including excavation of the site, 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.K: 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 Central Artery/Tunnel (CA/T) program to be consistent with the City of Boston's Noise Code for the "Big Dig" project.
FHWA = Federal Highway Administration
L_{max} = maximum instantaneous sound level

As identified above, the project site is generally surrounded by commercial and residential uses. The closest receptors include the commercial uses located north and south of the project site approximately 460 feet and 480 feet, respectively, from the center of project site and residential uses located 480 feet west and 570 feet east from the center of the project site, respectively. The 460-foot distance would decrease the noise level by approximately 19 dBA compared to the noise level measured at 50 feet from the construction activity. Therefore, the closest off-site receptors may be subject to short-term construction noise levels of 68 dBA L_{eq} when construction is occurring at the center of project site, and this noise level would be lower than the 75 dBA L_{eq} and 85 dBA L_{eq} criteria established by the City's Municipal Code for residential and commercial uses, respectively. Although the short-term construction noise level exceeds the Saturday (9:00 a.m. to 6:00 p.m.) standard of 60 dBA L_{eq} at residential zoned areas, the construction noise levels would remain below the existing ambient noise level of approximately 71 dBA L_{eq} measured for the same time period.

Further, as stated above, construction activities are regulated by the City's Municipal Code. The proposed project would comply with the construction hours specified in the City's noise regulations, which state that construction activities are allowed between the hours of 7:00 a.m. and 7:00 p.m. on weekdays and between 9:00 a.m. and 6:00 p.m. on Saturdays. Therefore, construction noise impacts would be considered less than significant.

Long-Term Noise Impacts. The project would generate long-term noise impacts from traffic as well as the heating, ventilation, and air conditioning (HVAC) equipment discussed below.

Traffic Noise Impacts. The guidelines included in the FHWA Highway Traffic Noise Prediction Model (FHWA-RD-77 108) were used to evaluate highway traffic-related noise conditions along roadway segments in the project vicinity. This model requires various parameters, including traffic volumes, vehicle mix, vehicle speed, and roadway geometry, to compute typical equivalent noise levels during daytime, evening, and nighttime hours. The resultant noise levels are weighted and summed over 24-hour periods to determine the CNEL values. Table 4.L provides the traffic noise levels for the existing with and without project and opening year with and without project scenarios. These noise levels represent the worst-case scenario, which assumes no shielding is provided between the traffic and the location where the noise contours are drawn.

Table 4.L: Traffic Noise Levels Without and With Proposed Project

Roadway Segment	Existing		Existing With Project			Cumulative		Cumulative Plus Project		
	ADT	CNEL (dBA) 50 feet from Centerline of Nearest Lane	ADT	CNEL (dBA) 50 feet from Centerline of Nearest Lane	Increase from Existing	ADT	CNEL (dBA) 50 feet from Centerline of Nearest Lane	ADT	CNEL (dBA) 50 feet from Centerline of Nearest Lane	Increase from Existing
Sonoma Boulevard North of Meadows Drive	23,530	68.8	23,850	68.9	0.1	28,930	69.7	29,250	69.8	0.1
Sonoma Boulevard South of Meadows Drive	31,090	70.1	32,080	70.2	0.1	38,230	71.0	39,220	71.1	0.1

Source: Compiled by LSA (February 2023).
Note: Traffic noise within 50 feet of the roadway centerline should be evaluated with site-specific information.
Shaded cells indicate roadway segments adjacent to the project site.
ADT = average daily traffic
CNEL= Community Noise Equivalent Level
dBA = A-weighted decibels

The without and with project scenario traffic volumes were obtained from the RSC Vallejo Traffic Impact Analysis.[48] Appendix C provides the specific assumptions used in developing these noise levels and model printouts. Table 4.L shows that the increase in project-related traffic noise would be no greater than 0.1 dBA. Noise level increases less than 1.0 dBA are not perceptible to the human ear. Therefore, traffic noise impacts from project-related traffic on off-site sensitive receptors would be **less than significant**.

[48] Abrams Associates Traffic Engineering, Inc. 2022b. *Traffic Impact Analysis RSC Vallejo, City of Vallejo.* April 11, 2022.

Heating, Ventilation, and Air Conditioning Equipment. The HVAC equipment could operate 24 hours per day. Based on previous measurements that LSA has conducted, the HVAC equipment would generate noise levels of 66.6 dBA L_{eq} at 5 feet per HVAC unit. The closest off-site sensitive use during operation of the proposed project would be the existing single-family residences east and west of the project site approximately 150 feet away. After distance attenuation, noise generated from on-site HVAC equipment would be up to 37.1 dBA L_{eq} at the nearest residences, which would not generate a noise level of more than 3 dBA or exceed the City's thresholds. Therefore, the impact would be **less than significant**.

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

Vibration refers to ground-borne noise and perceptible motion. Ground-borne 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 ground-borne vibration are construction activities (e.g., pavement breaking and operating heavy-duty earthmoving equipment), rail activity, and occasional traffic on rough roads. In general, ground-borne vibration from standard construction practices is only a potential issue when within 25 feet of sensitive uses. Ground-borne 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 Sonoma Boulevard, Broadway, and the existing driveways, are paved, smooth, and unlikely to cause significant ground-borne 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 ground-borne 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 vibration velocity decibels (VdB) and assesses the potential for structural damages using vibration levels in PPV (in/sec) because vibration levels calculated in root mean square (RMS) are best for characterizing human response to building vibration, while 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 ground-borne vibration. This construction vibration impact analysis discusses the level of human

annoyance using vibration levels in VdB and will assess the potential for building damages using vibration levels in PPV (in/sec) because vibration levels calculated in RMS are best for characterizing human response to building vibration, while vibration level in PPV is best used to characterize potential for damage. The FTA Manual guidelines indicate that a vibration level up to 102 VdB (an equivalent to 0.5 in/sec in PPV) is considered safe for buildings consisting of reinforced concrete, steel, or timber (no plaster), and would not result in any construction vibration damage. For a non-engineered timber and masonry building, the construction vibration damage criterion is 94 VdB (0.2 in/sec in PPV).

Table 4.M shows the PPV and VdB values at 25 feet from the construction vibration source. As shown in Table 4.M, bulldozers, and other heavy-tracked construction equipment (expected to be used for this project) generate approximately 0.089 PPV in/sec or 87 VdB of ground-borne vibration when measured at 25 feet, based on the FTA Manual. The distance to the nearest buildings for vibration impact analysis is measured between the nearest off-site buildings and the project construction boundary (assuming the construction equipment would be used at or near the project setback line).

Table 4.M: Vibration Source Amplitudes for Construction Equipment

Equipment	Reference PPV/L_V at 25 ft	
	PPV (in/sec)	L_V (VdB)[1]
Pile Driver (Impact), Typical	0.644	104
Pile Driver (Sonic), Typical	0.170	93
Vibratory Roller	0.210	94
Hoe Ram	0.089	87
Large Bulldozer[2]	**0.089**	**87**
Caisson Drilling	0.089	87
Loaded Trucks[2]	**0.076**	**86**
Jackhammer	0.035	79
Small Bulldozer	0.003	58

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
[1] RMS vibration velocity in decibels (VdB) is 1 µin/sec.
[2] Equipment shown in **bold** is expected to be used on site.
µin/sec = microinches per second
ft = foot/feet
FTA = Federal Transit Administration
in/sec = inch/inches per second
L_V = velocity in decibels
PPV = peak particle velocity
RMS = root-mean-square
VdB = vibration velocity decibels

The formulae for vibration transmission are provided below and Tables 4.N and 4.O below provide a summary of off-site construction vibration levels.

$$L_vdB\ (D) = L_vdB\ (25\ feet) - 30\ Log\ (D/25)$$

$$PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$$

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

Receptor (Location)	Reference Vibration Level (VdB) at 25 ft[1]	Distance (ft)[2]	Vibration Level (VdB)
Commercial (North)	87	460	49
Commercial (South)		480	49
Residence (West)		480	49
Residence (East)		570	46

Source: Compiled by LSA (2023).
[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 reference distance is associated with the average condition, identified by the distance from the center of construction activities to surrounding uses.
ft = foot/feet
VdB = vibration velocity decibels

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

Receptor (Location)	Reference Vibration Level (PPV) at 25 ft[1]	Distance (ft)[2]	Vibration Level (PPV)
Commercial (North)	0.089	20	0.124
Commercial (South)		40	0.044
Residence (West)		150	0.006
Residence (East)		180	0.005

Source: Compiled by LSA (2023).
[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 reference 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

As shown previously in Table 4.I above, the threshold at which vibration levels would result in annoyance would be 84 VdB for office type uses and 78 VdB for daytime residential uses. As shown in Table 4.J, the FTA guidelines indicate that for a non-engineered timber and masonry building, the construction vibration damage criterion is 0.2 in/sec in PPV.

Based on the information provided in Table 4.N, vibration levels are expected to approach 49 VdB at the closest commercial uses to the north and south and at the closest residence to the west. The vibration levels would not exceed the annoyance thresholds.

Based on the information provided in Table 4.O, vibration levels are expected to approach 0.124 PPV in/sec at the nearest surrounding structures and would be below the 0.2 PPV in/sec damage threshold. Other building structures surrounding the project site are farther away and would

experience further reduced vibration. Therefore, the impact would be considered **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? ***(Less-Than-Significant Impact)***

The closest airport to the project site is the Napa County Airport, located approximately 4.5 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. Although aircraft-related noise may be audible on the project site, the proposed project would not expose people residing or working in the project area to excessive noise levels due to the proximity of a public airport. This impact would be **less than significant**.

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)? **(Less-Than-Significant Impact)***

The proposed project would include the construction of 11 multi-family residential buildings containing 429 dwelling units. Based on the City of Vallejo's average household size (2016–2020) of 2.86 persons per household,[49] the proposed project would increase the local population by approximately 1,226 persons. The population of Vallejo was estimated to be approximately 124,886 persons as of July 1, 2021.[50] The anticipated population growth associated with the proposed project represents less than a 0.01 percent increase to the City's current population. The City's population is projected to grow by 14,274 persons to a total of 139,160 persons by 2040.[51] The proposed project represents approximately 8.5 percent of the population growth anticipated through 2040.

The first step in addressing State housing needs is the Regional Housing Needs Allocation (RHNA) which is mandated by California Government Code, Section 65584. The City of Vallejo's RHNA for the 2007 to 2014 planning period was 3,100 units. From 2007 to 2014, the effects of the economic recession greatly impacted the City's ability to finance and support many of the goals, policies, and programs of the previous Housing Element, resulting in only 210 units being constructed.[52] The City's RHNA for the 2015 to 2023 planning period is 1,362.[53] Implementation of the proposed project would result in the development of 429 housing units, supporting the City in meeting its RHNA goal. Therefore, the proposed project would not result in substantial unplanned population growth in the area, and this impact would be **less than significant**.

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49 United States Census Bureau. 2022. *Quick Facts, Vallejo City, California*. Website: U.S. Census Bureau QuickFacts: Vallejo city, California (accessed November 2022).

50 Ibid.

51 Association of Bay Area Governments (ABAG) and Metropolitan Transportation Commission (MTC). 2017. *Projections 2040*. Website: projections.planbayarea.org (accessed July 2022).

52 City of Vallejo. 2015. *General Plan 2030, 5th Cycle Housing Element Update (2015-2023), RHNA Progress in Planning Period January 2007-2014.* May 26, 2015.

53 Ibid.

b. Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere? ***(Less-Than-Significant Impact)***

The project site is currently developed with an existing, vacant commercial building and associated asphalt parking. No residential uses currently exist within the project site. In addition, the proposed project would include the construction of 11 multi-family residential buildings containing 429 dwelling units. Therefore, the proposed project would not result in the displacement of people or housing and would not require the construction of replacement housing elsewhere. This impact would be **less than significant**.

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: ***(Less-Than-Significant Impact)***

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

Fire suppression, emergency medical and rescue services, and other life safety services are provided to the project area and the site by the Vallejo Fire Department. In addition, the City of Vallejo and Solano County coordinate for response in emergency situations. The City and the County have adopted separate but consistent Emergency Operations Plans used for pre-emergency planning and emergency response to natural and human made disasters. There are six fire stations within the City of Vallejo consisting of 108 employees, 99 of which are firefighters, paramedics, engineers, captains, and battalion chiefs. The closest fire station to the project site is Vallejo Fire Station 23 at 900 Redwood Street, approximately 1.9 miles south of the project site.

The Solano County General Plan EIR describes the City of Vallejo as an urban area (population of more than 30,000 people with a density of more than 2,000 people per square mile). According to the Service and Response Standards described in the Solano County General Plan EIR, urban areas require a response time of 5-6 minutes about 80 percent of the time.[54] The average travel time between the nearest fire station and the project site is six minutes. Through compliance with California Vehicle Code 21806(A)(1), which requires all vehicles to yield to emergency vehicles, travel time between Fire Station 23 and the project site is expected to be less than six minutes.

[54] Solano County. 2008b. *Solano County General Plan EIR,* Chapter 4.9, Public Services and Utilities. August 5, 2008.

As noted in Section 4.14, Population and Housing, the proposed project would result in an incremental increase in the population of the City and therefore incrementally increase the demand for emergency fire services and emergency medical services. However, the proposed project would be required to comply with all applicable codes for fire safety and emergency access. In addition, the Fire Department would review the site plans, fire truck access, and site fire flow design for the proposed project to ensure that adequate emergency access is provided prior to issuance of a building permit. Project design features incorporated into the structural design and layout of the residential units would keep service demand increases to a minimum. For example, the project would be constructed in accordance with the current California Building Code, which requires all on-site structures to incorporate construction techniques and materials such as roofs, eaves, exterior walls, vents, appendages, windows, and doors resistant to and/or to perform at high levels against ignition during the exposure to fires. Fire sprinklers would be incorporated into each residential unit to further reduce fire risk and service demand. Access to the project site would be provided via the existing Sonoma Boulevard and Broadway and would be developed to City and Fire Code standards to allow emergency vehicles ease of access and maneuverability. In addition, the proposed project would include seven new fire hydrant assemblies, building connections, and 6-inch and 12-inch fire water lines to provide for fire protection.

Based on the proposed project's location in a Local Responsibility Area (LRA) Non-Very High Fire Hazard Severity Zone in proximity to existing Vallejo Fire Department facilities capable of responding to emergencies at the project site within the City's stated response time objective of 5–6 minutes 80 percent of the time; the development of the proposed project would not cause fire staffing, facilities, or equipment to operate at a deficient level of service. The Fire Department would continue providing services to the project site and would not likely require additional firefighters to serve the proposed project. The construction of a new or expanded fire station would also not be required. The potential increase in demand for service is not expected to adversely affect existing response times to the site or within the County. Therefore, the proposed project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities or the 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 fire protection, and this impact would be **less than significant.**

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

The Vallejo Police Department (VPD) provides law enforcement services to the City of Vallejo. Property crimes such as burglary, larceny, and robbery account for most of the crime in Vallejo, and at times exceed the Bay Area and California averages.[55] The project site is located in an established residential area of the City, which is already served by the VPD. The VPD has one station within the city limits located at 111 Amador Street approximately 6.1 miles south of the project site.

As previously discussed, development of the proposed project would increase the population on the project site and incrementally increase demand for emergency police services. However, the VPD would continue to provide service to the project site and would likely not require additional officers

[55] City of Vallejo. 2017. op. cit.

to serve the proposed project considering the negligible increase in population that would result from the proposed project (less than 0.01 percent of the City's current population).

The construction of new or expanded police facilities would not be required to serve the proposed project. Therefore, the proposed project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, the 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 police protection, and this impact would be **less than significant**.

iii. Schools? ***(Less-Than-Significant Impact)***

Schools. The project site is within the boundaries of the Vallejo City Unified School District (VCUSD). According to the Solano County General Plan EIR (2008), the VCUSD currently has 16 elementary schools (serving kindergarten through 5th grade); five middle schools (serving grades 6th through 8th); four high schools (serving 9th through 12th); one continuation school; one alternative school; one special education school; and one adult school.

The three closest schools to the project site are as follows:

- Dan Mini Elementary School located at 1530 Lorenzo Drive approximately 0.42 mile northwest of the project site;
- Hogan Middle School located at 850 Rosewood Avenue approximately 3.78 miles southeast of the project site; and
- Vallejo High School located at 840 Nebraska Street approximately 3.0 miles south of the project site.

Based on the location of the above-mentioned schools' proximity to the project site, students generated by the site's population increase are anticipated to attend these three schools. Table 4.H shows the current and past enrollment data for Vallejo City Unified School District, Dan Mini Elementary School, Hogan Middle School, and Vallejo High School.

As shown in Table 4.P, enrollment in the Vallejo City Unified School District has decreased incrementally over the past three school years. In addition, enrollment in Dan Mini Elementary School and Vallejo High School has decreased in the last three school years. Enrollment in Hogan Middle School increased by almost 200 students between 2020 and 2021 but has since stabilized. The increase in enrollment in 2021 was most likely due to the closure of the near-by Solano Elementary School in 2021.

The proposed project would include the development of 11 multi-family residential buildings containing 429 dwelling units. The proposed project would increase the population in the local area and would consequently add students to the local school system. The VCUSD and the County have accounted for anticipated population growth as part of its facilities' planning activities.

Table 4.P: Vallejo City Unified School District Enrollment Data

District/School	2019-2020 Enrollment	2020-2021 Enrollment	2021-2022 Enrollment
Vallejo City Unified School District	13,735	13,252	12,717
Dan Mini Elementary School	484	460	444
Hogan Middle School	787	995	930
Vallejo High School	1,593	1,534	1,448

Source: Enrollment Data obtained from the California Department of Education, Data Quest Website: Enrollment by Grade - Vallejo City Unified (CA Dept of Education 2022) (accessed November 28, 2022).

In addition, under State law, the project applicant would be required to pay school impact fees per Senate Bill (SB) 50, prior to the issuance of a building permit, to mitigate for impacts to school facilities. Therefore, the project would not require the construction of new or physically altered educational facilities, the construction of which could result in an environmental impact. Impacts associated with the need to expand educational services and facilities in order to maintain acceptable levels of service would be **less than significant**.

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

The Greater Vallejo Recreation District (GVRD) currently operates 33 parks with various amenities including: 20 neighborhood parks, 4 community parks, and 4 special purpose parks. It also manages over 1,000 acres of public land within the City and some surrounding areas. [56]

The proposed project involves the construction of 11 multi-family residential buildings containing 429 dwelling units, and, thus, would induce population growth in the area. The increase in residents within the area may result in an incremental increase in demand for and use of local parks and recreation areas. However, this increase in use is not expected to adversely affect the physical conditions of local and regional open space areas or recreational facilities or require the provision of new parks or facilities because the proposed project is anticipated to increase the City's population by less than 0.01 percent. The closest parks to the project site are Setterquist Park (approximately 0.34 mile east of the project site), Delta Meadows Park (approximately 0.62 mile west of the project site), and Dan Foley Park (approximately 1.33 miles southeast of the project site). Setterquist Park features a children's play area, turfed play areas, little league fields, two basketball courts, and four tennis courts. Delta Meadows Park has views of the Napa River delta and features a children's play area and half basketball courts. Dan Foley Park is one of the principal parks in the GVRD system and features a community center, fishing lake, playground, soccer and softball field, and boating/kayaking facilities on the lake.

As part of the proposed project, various outdoor amenity areas would be provided, including a pool and courtyard with lounge seating and cabanas, recreation lawn, dog park, outdoor dining, and private patios. However, the project does not include any outdoor areas intended for public use. In

[56] Greater Vallejo Recreation District (GVRD). 2023. City of Vallejo, Parks and Facilities. Website: Parks - Greater Vallejo Recreation District (gvrd.org) (accessed November 29, 2022).

total, the proposed project would provide 87,300 square feet of common open space. In addition to the common outdoor areas, private outdoor spaces would be provided via private balconies and ground-level patios, as described above. In total, the proposed project would provide approximately 28,787 square feet of private open space. The construction of these private facilities is expected to reduce the strain of use on existing neighborhood parks and recreational facilities.

In addition, the neighboring cities of Benicia and Fairfield are coordinating with the City of Vallejo and Solano County in planning a 10,000-acre open space area: the Tri-City and County Cooperative Planning Area for Agriculture and Open Space.[57]

Because the population increase due to the proposed project is not substantial enough to cause a strain on parks and facilities in the City and the City's plan for additional park space through the Tri-City and County Cooperative Planning Area for Agriculture and Open Space, the proposed project would not result in a substantial increase in demand for park or recreation services in the vicinity, such that new facilities would be required to serve the project. Therefore, the proposed project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities or the 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 recreation, and this impact would be **less than significant**.

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

Development of the proposed project could also increase demand for other public services, including libraries, community centers, and public health care facilities. However, due to the minimal increase in population, the proposed project would not substantially increase the use of these facilities, such that new facilities would be needed to maintain service standards, as these facilities are not currently overused and have the capacity to serve new demand. Therefore, impacts to other public facilities would be **less than significant**.

[57] Solano County. 2008b. *Solano County General Plan Environmental Impact Report, Revised Draft.* Page 4.14-2. Solano County. August 5, 2008.

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)***

As discussed in Section 4.15, Public Services, residents of the proposed project would be expected to use local parks and community facilities within the City of Vallejo and the surrounding neighborhood as well as regional recreational facilities. Although the proposed project would incrementally increase use of these facilities, this minor increase in use is not expected to result in substantial physical deterioration of local parks, trails, and community centers. As discussed in Section 4.14, Population and Housing, the anticipated population growth associated with the proposed project represents less than a 0.1 percent increase to the City's current population. Based on the estimated population increase, these facilities are anticipated to have capacity to serve this increase in demand. The project also includes the construction and development of various outdoor amenities within the project site including a pool and courtyard with lounge seating and cabanas, recreation lawn, dog, park, outdoor dining, and private patios for private use only. The construction of these private facilities is expected to reduce the strain of use on existing neighborhood parks and recreational facilities. 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? **(No Impact)***

As discussed in Section 4.16.a above, the proposed project would include the construction and development of various outdoor amenities within the project site including a pool and courtyard with lounge seating and cabanas, recreation lawn, dog, park, outdoor dining, and private patios for private use only. These private amenities would be for use by residents of the development and not for public recreational use. The proposed project does not include or require the construction or expansion of existing public recreational facilities, which might have an adverse physical effect on the environment**. No impact** would occur.

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 proposed project would include the construction of 11 multi-family residential buildings containing 429 dwelling units. The proposed project would be accessed via the existing intersection of Sonoma Boulevard and Meadows Drive. From this primary entry, a network of 25-foot-wide drive aisles would provide access to proposed garages and off-street parking stalls. The existing driveway from Broadway would provide a secondary vehicular access point. Minimum 4-foot-wide pedestrian pathways would be provided to connect the proposed residential buildings with amenity areas, parking, and existing public transit stops on Sonoma Boulevard and Broadway. The proposed project would not affect access to bicycle or pedestrian facilities in the vicinity of the project site.

Roadway Analysis. 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 level of service (LOS) as the sole basis of determining CEQA impacts. With the implementation of the adopted guidelines, transportation impacts are to be evaluated based on a project's effect on vehicle miles traveled (VMT). On July 1, 2020, the provisions of Section 15064.3 became effective statewide.

In July 2020, the City adopted CEQA thresholds for VMT in the City's latest Transportation Impact Analysis (TIA) Guidelines.[58] In Vallejo, VMT is estimated using an area-wide travel demand model maintained by the Solano Transportation Authority (STA). The model calculates VMT based on the number of vehicles multiplied by the typical distance traveled by each vehicle originating from or driving to a certain area. The model divides areas within Vallejo jurisdiction into transportation analysis zones, or TAZs, which are used for transportation analysis and other planning purposes. The

[58] Fehr & Peers. 2020. *City of Vallejo CEQA Transportation Impact Analysis Guidelines.* July, Revised October 2020.

discussion of the project's consistency with Section 15064.3 of the CEQA Guidelines is discussed under Section 4.17.b, below.

Pedestrian, Bicycles, and Transit Analysis. The potential impacts of the project on pedestrian, bicycle and transit are described below.

Pedestrian Facilities. According to the U.S. Census Bureau,[59] pedestrian trips comprise approximately 1.6 percent of the total commute mode share in the City of Vallejo. The proposed project also would generate pedestrian trips to/from transit stops, recreation areas, and employment centers. The volume of pedestrian trips generated by the project would not exceed the carrying capacity of the sidewalks and crosswalks nearby.

In the immediate project vicinity, there are sidewalks in some areas and along the residential property frontages; however there are no sidewalks along Sonoma Boulevard adjacent to the project site. There are marked crosswalks, pedestrian push buttons, and pedestrian signals provided at all nearby signalized intersections. Although very few pedestrian trips are anticipated to and from the site, the City's General Plan policies encourage non-motorized travel, including walking, bicycling, and transit.

Consistent with existing City policies, the proposed project would provide minimum 4-foot-wide pedestrian pathways to connect the proposed residential buildings with amenity areas, parking, and existing public transit stops on Sonoma Boulevard and Broadway. Therefore, the proposed project would have a **less-than-significant impact** on pedestrian facilities.

Bicycle Facilities. U.S. Census Bureau data indicate that bicycle trips comprise approximately 1.7 percent of the total commute mode share in the City of Vallejo.[60] The low volume of bicycle trips generated by the project would not exceed the bicycle-carrying capacity of streets surrounding the site, and the increase in bicycle trips would not by itself require new off-site bicycle facilities.

There are no existing bike lanes in the area but an extension of the Bay Trail is proposed along Broadway adjacent to the project site. The proposed project, by itself, would not require additional bicycle service to the area. The proposed project would not preclude, modify, or otherwise affect existing or proposed bicycle projects or policies identified in the General Plan Transportation Element. Therefore, the proposed project would have a **less-than-significant impact** on bicycle facilities.

Transit Service. Solano County Transit (Soltrans) provides local bus, regional express bus, and Americans with Disabilities Act (ADA) paratransit bus services in Vallejo. Local bus service is supplemented by limited-service routes for school days and regional express bus service connecting to the Contra Costa communities of El Cerrito, Pleasant Hill, and Walnut Creek and

59 United States Census Bureau. 2021 Census. *5-year ACS Data Table B08134: Means of Transportation to Work by Travel Time to Work.* Website: https://data.census.gov/table?q=B08134:+MEANS+OF++TRANSPORTATION+TO+WORK+BY+TRAVEL+TIME+TO+WORK&g=160000+0US0681554_1600000US0681666&tid=ACSDT5Y2021.B08134 (accessed February 9, 2023).

60 Ibid.

the Fairfield Transportation Center in Fairfield. Express bus services also provide connections to San Francisco Bay Area Rapid Transit (BART), AC Transit, County Connection, Fairfield and Suisun Transit, Golden Gate Transit, San Francisco Bay Ferry, Vine Transit, and WestCAT. The Vallejo Transit Center is where riders can connect to the San Francisco Bay Ferry and the Napa Valley VINE transit. Soltrans local bus service includes four limited-service routes that operate during school in-service days and provide connectivity to local schools. The nearest bus stop for these routes is located on Sonoma Boulevard adjacent to the project site.

According to the U.S. Census, transit trips comprise approximately 5 percent of the total commute mode share in the City of Vallejo.[61] In addition to commute trips, there would be additional transit trips to nearby schools, parks, and shopping areas. The low volume of transit trips generated by the project would not exceed the carrying capacity of the existing transit service to the site.

The proposed project, by itself, would not require additional transit service to the area or improvements to existing transit service frequencies. The proposed project would not preclude, modify, or otherwise affect existing or proposed transit projects or policies identified in the City of Vallejo General Plan. Therefore, the proposed project would have a **less-than-significant impact** related to transit service.

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

Based on the STA Travel Demand Model, the City of Vallejo average VMT per resident is estimated to be 26 miles. The residents of the proposed project would be expected to have similar VMT to that within the TAZ and in other surrounding TAZs with similar land uses.

The project site is located in TAZ 395. The proposed project is forecast to have an average VMT of 14.4 miles.[62] Subject to City approval, the data indicate the project would be considered to have a less-than-significant impact according to the City's TIA guidelines. The projected land use (multi-family housing) would not alter the existing built environment in such a way as to increase the rate or length of vehicle trips. In general, the proposed project has been found to be consistent with existing land uses in the area and would be expected to contribute VMT consistent with existing land uses in the area. The project would not be expected to significantly alter travel patterns in the area.

The proposed project is consistent with the Regional Transportation Plan (RTP) and Sustainable Communities Strategy (SCS). Therefore, subject to City approval, the project generated VMT would be considered to be below the established VMT thresholds, and the project would therefore have a **less-than-significant impact** on the VMT in the area.

61 United States Census Bureau. 2021. op. cit.

62 Abrams Associates Traffic Engineering, Inc. 2022b. *Vehicle Miles Traveled Analysis for the RSC Vallejo Project at 5180 Sonoma Boulevard.* April 11.

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)***

The primary vehicular access to the site is via the existing Sonoma Boulevard (State Route 29 [SR 29])/Meadows Drive intersections, with a secondary driveway off Broadway. The Sonoma Boulevard/Meadows Drive intersection also provides vehicular access for the existing adjoining retail properties.

With implementation of the proposed project, vehicular access would be provided via the existing intersection of Sonoma Boulevard and Meadows Drive. From this primary entry, a network of 25-foot-wide drive aisles would provide access to proposed garages and off-street parking stalls. The existing driveway from Broadway would provide a secondary vehicular access point.

The design, construction, and maintenance of project access locations and on-site roads would be required to comply with the City's Municipal Code and relevant City standards. As shown previously in Figure 2-2, the project site is generally surrounded by residential uses and undeveloped parcels zoned for commercial and industrial use. Therefore, the proposed project would not substantially increase hazards due to a geometric design feature or incompatible uses. This impact would be **less than significant**.

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

The design, construction, and maintenance of project access locations and on-site roads would be in compliance with the City's Municipal Code and would meet all emergency access standards. The Vallejo Fire Department would also review the proposed site plan and Fire Access Plan and would provide input on final design in relation to emergency access prior to issuance of a building permit. The proposed project would include entrances on both Sonoma Boulevard and Broadway. All lane widths within the project would meet the minimum width that can accommodate an emergency vehicle; therefore, the width of the internal roadways would be adequate. 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 emergency evacuation routes. Therefore, the proposed project would not result in inadequate emergency access. This impact would be **less than significant.**

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

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 Impact)***

Enacted in 2014, Assembly Bill (AB) 52 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. Native American consultation was conducted by the City in compliance with AB 52. The City sent letters for the purposes of AB 52 consultation to Native American tribal contacts that previously requested to be notified of future projects proposed by the City. Consultation notices pursuant to AB 52 were sent by the City on January 4, 2023, to the following tribes Yocha Dehe

Wintun Nation and The Confederates Villages of Lisjan. On January 18, 2023, the regionally affiliated tribe (Yocha Dehe Wintun Nation) responded by letter and indicated they have a cultural interest and would like to initiate consultation with the City.

On April 17, 2023, City staff met via teleconference with the tribal representative from the Yocha Dehe Wintun Nation (Tribe) to discuss the proposed project. During the meeting, the tribal representative requested that the City provide a copy of the cultural resources study prepared for the proposed project, which the City sent to the Tribe via email. During the tribal consultation, the tribal representatives did not provide substantial evidence of any tribal cultural resources occurring in or within the vicinity of the project site and did not express any specific concerns regarding the proposed project. However, in July 2023, the City received the treatment protocol for handling human remains and cultural items from the Tribe. This treatment protocol has been incorporated into this Initial Study (please refer to Section 4.5, Cultural Resources).

As discussed in Section 4.5, Cultural Resources, a record search was conducted at the Northwest Information Center of the California Historical Resources Information System, which identified no archaeological or historical resources within the boundary of the project site.

The project site is currently developed with an existing, vacant commercial building and associated asphalt parking. No known significant archaeological or tribal cultural resources are located within the project site and the proposed project would not cause a substantial adverse change in the significance of a tribal cultural resource defined as 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 listed or eligible for listing in the California Register or in a local register of historical resources as defined in Public Resources Code (PRC) Section 5020.1(k).

Additionally, there are no tribal cultural resources within the project site that have been determined by the lead agency to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1. The proposed project would not cause a substantial adverse change in the significance of a tribal cultural resource defined as 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 listed or eligible for listing in the California Register or in a local register of historical resources as defined in PRC Section 5020.1(k). With implementation of **Mitigation Measures CULT-1**, **CULT-2, and CULT-3,** as detailed in Section 4.5, Cultural Resources, and compliance with Section 7050.5 of the California Health and Safety Code and Section 5097.98 of the PRC, the potential construction-period discovery of previously unidentified human remains, which may be of tribal origin, would be reduced to a **less-than-significant** level.

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)***

Water. Water service in the City of Vallejo is provided by the City of Vallejo Water Department. The proposed project would include the installation of new 6-inch and 12-inch domestic water lines to provide domestic water supply. In addition, the proposed project would include 7 new fire hydrant assemblies, building connections, and 6-inch and 12-inch fire water lines to provide for fire protection. These new water lines would connect to existing 12-inch water pipelines along Broadway and across Sonoma Boulevard. The proposed project would connect directly to existing mains, which have sufficient capacity to accommodate the proposed project. The new water lines would be constructed in conformance with City standards, and their construction would not cause significant environmental effects.

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. [63] 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. The proposed project would not require any new infrastructure, aside from the project-specific tie-ins and water pipelines to serve the proposed project, and all proposed water infrastructure would be limited to the project site.

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

Therefore, the impact of the proposed project on water infrastructure would be **less than significant.**

Wastewater. The Vallejo Flood and Wastewater District (VFWD) provides wastewater collection and treatment services for Vallejo. Sewer flows from the proposed project would be discharged into the existing 18-inch sanitary sewer main running south along Sonoma Boulevard. The proposed project would include installation of new 8- and 12-inch sewer mains within the internal roadways to serve the proposed development.

Sanitary sewer flow from the project site would flow to the Sears Point Pump Station (SPPS) and the Sears Point Storage Facility (SPSF), which are key elements of the sewer system. SPPS receives wastewater flow and pumps it into the 30-inch diameter force main running parallel to Highway 37 and ultimately into the wastewater treatment plant (WWTP). The existing SPPS and SPSF have adequate capacity for the wastewater flow from the proposed project and the existing sewer system has adequate capacity for the project. Therefore, impacts associated with the project's construction would be **less than significant**.

Stormwater. The project site is currently developed with an existing commercial building, paving, concrete, and other impervious surfaces, which account for the majority of the 12.6-acre project site. Surface flows on the project site currently flow to existing storm drain pipelines located within the project site, discharging to an existing 30-inch storm drain that runs north-south along the western project boundary and a 48-inch storm drain that runs east-west along the southern project boundary.

Upon construction of the proposed project, approximately 9.7 acres (77 percent) of the project site would be covered by impervious surfaces and approximately 2.8 acres (23 percent) would be covered by pervious surfaces, consisting of landscaped areas with lawns, shrubs, and trees. The proposed project would include approximately 16,131 square feet of bioretention space throughout the project site that would be used for stormwater control. The proposed project would include the construction of 12-, 15- and 30-inch storm drains with associated manholes throughout the project area that would connect to the bioretention basins and existing stormwater facilities on Sonoma Boulevard and Broadway.

The proposed stormwater infrastructure would be limited to the project site and would be constructed in accordance with all City regulations and requirements and be designed consistent with the Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit (MRP) Program requirements for low impact development (LID). Therefore, impacts associated with the construction of the proposed stormwater infrastructure would be **less than significant.**

Electricity and Natural Gas. Electricity and gas service is provided to the project site by Pacific Gas & Electric (PG&E). The proposed project would include connections to the existing electric lines that run adjacent to the project site, including lines within Sonoma Boulevard and Broadway. T The proposed project would not include the use of natural gas. The proposed project would not require any new infrastructure, aside from project-specific tie-ins and lines to serve the proposed project.

Therefore, because the proposed project would connect to existing utility services within or adjacent to the project site, the proposed project would not 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, and this impact 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)***

Water service in the City of 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. 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.[64] 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 projected to be 28,111 AFY in 2025, 30,331 AFY in 2035, and 31,892 AFY in 2045[65], and the City expects to meet its current and 2045 project water demands.

The proposed project would increase water demand at the project site due to the construction of 11 new multi-family residential buildings containing 429 dwelling units, a clubhouse and associated landscape irrigation. The estimated water demand for the proposed project is shown in Table 4.Q.[66]

Table 4.Q: Estimated Water Demand

Demand Type	Units/Area	Unit Demand	Demand (gpd)
Multi-family Residential	429 residential units	141 gpd/unit	60,489
Clubhouse (Commercial)	0.21 acre	806 gpd/acre	170
Irrigation			6,480
Total			67,139

Source: Kennedy Jenks. *5180 Sonoma Blvd Development Hydraulic Modeling Assistance*. (July 2023)

As shown in Table 4.Q, the proposed project would result in an increase in water demand of approximately 67,139 gallons per day, or 75.2 AFY. This accounts for approximately 0.27 percent of the City's projected service-wide annual water demand for 2025. Furthermore, the City's projected

64 City of Vallejo. 2021. *2020 Urban Water Management Plan*. October 12.
65 Ibid.
66 Kennedy Jenks. 2023. *5180 Sonoma Blvd Development Hydraulic Modeling Assistance.* July 7.

water demand accounts for projected growth within the region as identified by the City's General Plan, which includes the proposed project. Therefore, the City would not require new or expanded water entitlements to serve the proposed project, and the impacts 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 described above, sewer flows from the proposed project would be discharged into the existing 18-inch sanitary sewer main running south along Sonoma Boulevard. The proposed project would include installation of new 8- and 12-inch sewer mains within the internal roadways to serve the proposed development.

Sanitary sewer flow from the project site would flow to the Sears Point Pump Station (SPPS) and the Sears Point Storage Facility (SPSF), which are key elements of the sewer system. SPPS receives wastewater flow and pumps it into the 30-inch diameter force main running parallel to State Route 37 and ultimately into the wastewater treatment plant (WWTP).

The sewer evaluation prepared for the proposed project,[67] concludes that the existing SPPS, SPSF, and the sewer system have adequate capacity to accommodate the wastewater flow from the proposed project. Modeling of 5180 Sonoma Boulevard shows there is sufficient system capacity such that the proposed development flow volume would not result in an overflow of the sanitary sewer system during peak wet weather flows (5-year, 24-hour storm event) based on the VFWD's current sanitary sewer facilities. Therefore, Therefore, the wastewater treatment provider would have adequate capacity to serve the project's projected demand in addition to the providers' existing commitments and 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 the City of Vallejo, including the project site, are provided by Recology Vallejo. Solid waste collected by Recology is transported to the Devlin Road Transfer Station, a regional facility operated by the Napa-Vallejo Waste Management Authority. Green waste and recyclables are sorted and sent to various facilities and solid waste that cannot be recycled is sent to the Keller Canyon Landfill, located at 901 Bailey Road in Pittsburg, Contra Costa County. The landfill has a maximum permitted capacity of 75,018,280 cubic yards and a remaining capacity of 63,408,410 cubic yards as of November 2004. The landfill accepts a maximum of 3,500 tons per day and has an excepted closure date of December 2050. [68]

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67 West Yost. 2023. *5180 Sonoma Boulevard Apartments Sewer Evaluation.* October 2.

68 California Department of Resources Recycling and Recovery (CalRecycle*).* 2023. *Solid Waste Information System (SWIS), Keller Canyon Landfill (07-AA-0032).* Website: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/4407?siteID-228 (accessed January 23, 2023).

Based on the City's average household size (2016–2020) of 2.86 persons per household,[69] the proposed project would increase the local population by approximately 1,226 persons. In 2018, the average period generated 4.9 pounds of solid waste per day.[70] Based on these rates, the proposed project would generate approximately 6,007 pounds of solid waste per day, or 3.0 tons per day.

This increase in solid waste would account for less than 0.09 percent of Keller Canyon Landfill's maximum allowable capacity per day. With this minimal increase in solid waste disposal demand, the Keller Canyon Landfill has adequate capacity to serve the proposed project. As such, the project would be served by a landfill with sufficient capacity to accommodate the project's waste disposal needs, and impacts associated with the disposition of solid waste 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 Keller Canyon Landfill has adequate capacity to serve the proposed project. Therefore, the proposed project would result in a **less-than-significant impact** related to solid waste regulations.

69 United States Census Bureau. *Quick Facts, Vallejo City, California*. Website: U.S. Census Bureau QuickFacts: Vallejo city, California (accessed November 2022).

70 United States Environmental Protection Agency (USEPA). 2023. *National Overview: Facts and Figures on Materials, Wastes, and Recycling.* Website: https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/national-overview-facts-and-figures-materiaols#NationalPicture (accessed March 1, 2023).

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 is within a local responsibly area (LRA) meaning the local government (the City of Vallejo) is financially responsible for wildland fire protection. However, the project site is not considered to be within a Very High Fire Hazard Severity Zone (VHFHSZ). As previously discussed in Section 4.9, Hazards and Hazardous Materials, the proposed project would be consistent with the policies outlined in the Solano County General Plan Public Health and Safety Chapter, City of Vallejo General Plan Nature and Built Environment chapter, the Solano County Emergency Operations Plan (EOP), and the Solano County Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). 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 emergency evacuation routes. 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. Prior to approval of final maps and improvement plans for any development project within Vallejo, plan review and approval by the Vallejo Fire District is required. Internal roadways and ingress/egress for each site would be required to meet State and local standards regarding turning radius, road width, and emergency vehicle access. Therefore, potential 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)***

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 consistent with surrounding residential uses and the allowable zoning for the project site. The proposed project would be subject to the design standards and guidelines outlined in the City of Vallejo Municipal Code and would be subject to Development Review and Design Review to ensure the proposed structures conform with all the applicable regulations.

The proposed project would also be subject to requirements in Section 13000 et seq. of the California Health and Safety Code, California Building Standards Code, and 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.

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**, and no mitigation is required.

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)***

The proposed project involves the demolition of the existing, vacant commercial building on the project site and the construction of 11 multi-family residential buildings containing 429 dwelling units. Associated improvements include utility connections to existing utility facilities including water, sanitary sewer, storm drainage, electricity, gas, and telecommunication infrastructure. Utility connections/lines would be constructed in conformance with City standards as detailed in Section 4.19, Utilities and Service Systems. The project does not propose the installation or maintenance of any other 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, and impacts 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)***

Construction of the proposed project would be required to obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Construction stormwater permit. As discussed in Section 4.10, Hydrology and Water Quality, the proposed project would implement a Stormwater Pollution and Prevention Plan (SWPPP) that specifies Best Management Practices (BMPs) and erosion control measures to be used during construction to manage runoff flows. Additionally, the proposed project would be required to implement Low Impact Development (LID) techniques as required by the Municipal Regional Stormwater NPDES Permit (MRP) and as detailed in Section 4.10, would not significantly alter drainage patterns compared to existing conditions. Furthermore, the project site is not located within a flood zone or within an area identified as having potential for landslides. Therefore, the proposed project would not have the potential to expose people or structures to downslope or downstream flooding or landslides. 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? ***(Less Than Significant with Mitigation Incorporated)***

Implementation of the mitigation measures recommended in this Initial Study/Mitigated Negative Declaration (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. Section 4.4, Biological Resources, includes mitigation measures (**Mitigation Measures BIO-1 and BIO-2**) to minimize impacts to special-status species, including nesting birds and roosting bats. Mitigation (**Mitigation Measure CULT-1**) is provided in Section 4.5, Cultural Resources, in the event that unanticipated archaeological resources are identified in the project area during construction. With implementation of these mitigation measures, the proposed project would result in less-than-significant impacts to the quality of the environment. This impact would be **less than significant with mitigation incorporated.**

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's impacts would be individually limited and not cumulatively considerable. 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, and greenhouse gas emissions. 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 and exposure of sensitive receptors to substantial pollutant concentrations 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 and BIO-2** would ensure that impacts to special-status species, including white-tailed kite, nesting birds, pallid bat and other roosting bats 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 CULT-1.**

For the topics of aesthetics, agricultural and forestry resources, energy, hazards and hazardous materials, hydrology and water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, transportation, tribal cultural resources, 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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5.0 LIST OF PREPARERS

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APPENDIX A

CALEEMOD OUTPUT SHEETS

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5180 Sonoma Boulevard Residential Development Project Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	5180 Sonoma Boulevard Residential Development Project
Construction Start Date	7/3/2023
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	38.4
Location	5180 Sonoma Blvd, Vallejo, CA 94589, USA
County	Solano-San Francisco
City	Vallejo
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	861
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.14

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

Apartments Mid Rise	427	Dwelling Unit	11.0	409,920	116,087	—	1,204	—
Parking Lot	276	Space	1.60	0.00	0.00	—	—	—
Enclosed Parking Structure	422	Space	0.00	168,800	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-6	Use Diesel Particulate Filters

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	166	22.6	31.9	0.04	0.72	3.64	4.36	0.67	0.88	1.54	—	7,841	7,841	0.24	0.45	20.4	8,001
Mit.	166	22.6	31.9	0.04	0.13	3.64	3.77	0.12	0.88	1.00	—	7,841	7,841	0.24	0.45	20.4	8,001
% Reduced	—	—	—	—	82%	—	13%	82%	—	35%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	166	50.3	36.6	0.13	1.38	16.1	17.1	1.25	3.97	4.99	—	18,866	18,866	0.82	2.50	0.88	19,634
Mit.	166	50.3	36.6	0.13	0.40	16.1	16.5	0.39	3.97	4.13	—	18,866	18,866	0.82	2.50	0.88	19,634
% Reduced	—	—	—	—	71%	—	4%	69%	—	17%	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.7	18.5	21.6	0.03	0.56	2.57	3.13	0.52	0.66	1.18	—	5,439	5,439	0.18	0.30	5.66	5,539
Mit.	16.7	18.5	21.6	0.03	0.10	2.57	2.67	0.09	0.66	0.76	—	5,439	5,439	0.18	0.30	5.66	5,539
% Reduced	—	—	—	—	82%	—	15%	82%	—	36%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.05	3.37	3.94	0.01	0.10	0.47	0.57	0.10	0.12	0.22	—	900	900	0.03	0.05	0.94	917
Mit.	3.05	3.37	3.94	0.01	0.02	0.47	0.49	0.02	0.12	0.14	—	900	900	0.03	0.05	0.94	917
% Reduced	—	—	—	—	82%	—	15%	82%	—	36%	—	—	—	—	—	—	—

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	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.26	22.6	31.9	0.04	0.72	3.64	4.36	0.67	0.88	1.54	—	7,841	7,841	0.24	0.45	20.4	8,001
2025	166	22.4	30.6	0.04	0.72	3.64	4.36	0.67	0.88	1.54	—	7,744	7,744	0.23	0.43	19.2	7,898
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.43	50.3	36.6	0.13	1.38	16.1	17.1	1.25	3.97	4.99	—	18,866	18,866	0.82	2.50	0.88	19,634
2024	2.17	50.2	36.6	0.07	1.38	4.02	5.39	1.25	1.53	2.78	—	7,763	7,763	0.32	0.45	0.53	7,836
2025	166	22.9	29.0	0.04	0.72	3.64	4.36	0.67	0.88	1.54	—	7,489	7,489	0.25	0.43	0.50	7,626
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.21	7.97	5.19	0.02	0.21	1.91	2.11	0.19	0.52	0.71	—	2,169	2,169	0.09	0.22	1.27	2,237

2024	1.48	18.5	21.6	0.03	0.56	2.57	3.13	0.52	0.66	1.18	—	5,439	5,439	0.18	0.30	5.66	5,539
2025	16.7	9.31	11.3	0.01	0.31	1.31	1.62	0.29	0.31	0.60	—	2,852	2,852	0.09	0.16	3.02	2,904
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.04	1.46	0.95	< 0.005	0.04	0.35	0.39	0.03	0.09	0.13	—	359	359	0.02	0.04	0.21	370
2024	0.27	3.37	3.94	0.01	0.10	0.47	0.57	0.10	0.12	0.22	—	900	900	0.03	0.05	0.94	917
2025	3.05	1.70	2.07	< 0.005	0.06	0.24	0.30	0.05	0.06	0.11	—	472	472	0.02	0.03	0.50	481

2.3. Construction Emissions by Year, Mitigated

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	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.26	22.6	31.9	0.04	0.13	3.64	3.77	0.12	0.88	1.00	—	7,841	7,841	0.24	0.45	20.4	8,001
2025	166	22.4	30.6	0.04	0.13	3.64	3.77	0.12	0.88	1.00	—	7,744	7,744	0.23	0.43	19.2	7,898
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.43	50.3	36.6	0.13	0.40	16.1	16.5	0.39	3.97	4.13	—	18,866	18,866	0.82	2.50	0.88	19,634
2024	2.17	50.2	36.6	0.07	0.22	4.02	4.24	0.20	1.53	1.74	—	7,763	7,763	0.32	0.45	0.53	7,836
2025	166	22.9	29.0	0.04	0.13	3.64	3.77	0.12	0.88	1.00	—	7,489	7,489	0.25	0.43	0.50	7,626
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.21	7.97	5.19	0.02	0.05	1.91	1.96	0.05	0.52	0.57	—	2,169	2,169	0.09	0.22	1.27	2,237
2024	1.48	18.5	21.6	0.03	0.10	2.57	2.67	0.09	0.66	0.76	—	5,439	5,439	0.18	0.30	5.66	5,539
2025	16.7	9.31	11.3	0.01	0.05	1.31	1.36	0.05	0.31	0.37	—	2,852	2,852	0.09	0.16	3.02	2,904
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.04	1.46	0.95	< 0.005	0.01	0.35	0.36	0.01	0.09	0.10	—	359	359	0.02	0.04	0.21	370
2024	0.27	3.37	3.94	0.01	0.02	0.47	0.49	0.02	0.12	0.14	—	900	900	0.03	0.05	0.94	917

2025	3.05	1.70	2.07	< 0.005	0.01	0.24	0.25	0.01	0.06	0.07	—	472	472	0.02	0.03	0.50	481

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.9	6.87	60.8	0.14	0.11	11.9	12.0	0.10	3.01	3.11	199	15,846	16,045	20.9	0.74	59.8	16,848
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.4	8.07	59.7	0.13	0.11	11.9	12.0	0.10	3.01	3.11	199	15,010	15,209	21.0	0.81	4.41	15,979
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.4	7.53	56.3	0.13	0.11	11.9	12.0	0.10	3.01	3.11	199	15,131	15,331	20.9	0.78	27.5	16,113
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.35	1.37	10.3	0.02	0.02	2.17	2.19	0.02	0.55	0.57	33.0	2,505	2,538	3.47	0.13	4.55	2,668

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.58	6.87	60.8	0.14	0.11	11.9	12.0	0.10	3.01	3.11	—	14,344	14,344	0.65	0.64	56.8	14,608
Area	10.4	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
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,443	1,443	0.23	0.03	—	1,457

Water	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Waste	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Total	18.9	6.87	60.8	0.14	0.11	11.9	12.0	0.10	3.01	3.11	199	15,846	16,045	20.9	0.74	59.8	16,848
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.07	8.07	59.7	0.13	0.11	11.9	12.0	0.10	3.01	3.11	—	13,508	13,508	0.76	0.71	1.47	13,739
Area	10.4	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
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,443	1,443	0.23	0.03	—	1,457
Water	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Waste	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Total	18.4	8.07	59.7	0.13	0.11	11.9	12.0	0.10	3.01	3.11	199	15,010	15,209	21.0	0.81	4.41	15,979
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.00	7.53	56.3	0.13	0.11	11.9	12.0	0.10	3.01	3.11	—	13,629	13,629	0.70	0.68	24.5	13,873
Area	10.4	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
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,443	1,443	0.23	0.03	—	1,457
Water	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Waste	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Total	18.4	7.53	56.3	0.13	0.11	11.9	12.0	0.10	3.01	3.11	199	15,131	15,331	20.9	0.78	27.5	16,113
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.46	1.37	10.3	0.02	0.02	2.17	2.19	0.02	0.55	0.57	—	2,256	2,256	0.12	0.11	4.06	2,297
Area	1.89	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
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	239	239	0.04	< 0.005	—	241
Water	—	—	—	—	—	—	—	—	—	—	4.81	9.88	14.7	0.49	0.01	—	30.6
Waste	—	—	—	—	—	—	—	—	—	—	28.2	0.00	28.2	2.82	0.00	—	98.6

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.49	0.49
Total	3.35	1.37	10.3	0.02	0.02	2.17	2.19	0.02	0.55	0.57	33.0	2,505	2,538	3.47	0.13	4.55	2,668

2.6. Operations Emissions by Sector, Mitigated

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.58	6.87	60.8	0.14	0.11	11.9	12.0	0.10	3.01	3.11	—	14,344	14,344	0.65	0.64	56.8	14,608
Area	10.4	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
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,443	1,443	0.23	0.03	—	1,457
Water	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Waste	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Total	18.9	6.87	60.8	0.14	0.11	11.9	12.0	0.10	3.01	3.11	199	15,846	16,045	20.9	0.74	59.8	16,848
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.07	8.07	59.7	0.13	0.11	11.9	12.0	0.10	3.01	3.11	—	13,508	13,508	0.76	0.71	1.47	13,739
Area	10.4	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
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,443	1,443	0.23	0.03	—	1,457
Water	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Waste	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Total	18.4	8.07	59.7	0.13	0.11	11.9	12.0	0.10	3.01	3.11	199	15,010	15,209	21.0	0.81	4.41	15,979
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.00	7.53	56.3	0.13	0.11	11.9	12.0	0.10	3.01	3.11	—	13,629	13,629	0.70	0.68	24.5	13,873

Area	10.4	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
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,443	1,443	0.23	0.03	—	1,457
Water	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Waste	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Total	18.4	7.53	56.3	0.13	0.11	11.9	12.0	0.10	3.01	3.11	199	15,131	15,331	20.9	0.78	27.5	16,113
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.46	1.37	10.3	0.02	0.02	2.17	2.19	0.02	0.55	0.57	—	2,256	2,256	0.12	0.11	4.06	2,297
Area	1.89	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
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	239	239	0.04	< 0.005	—	241
Water	—	—	—	—	—	—	—	—	—	—	4.81	9.88	14.7	0.49	0.01	—	30.6
Waste	—	—	—	—	—	—	—	—	—	—	28.2	0.00	28.2	2.82	0.00	—	98.6
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.49	0.49
Total	3.35	1.37	10.3	0.02	0.02	2.17	2.19	0.02	0.55	0.57	33.0	2,505	2,538	3.47	0.13	4.55	2,668

3. Construction Emissions Details

3.1. Demolition (2023) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	24.9	18.2	0.03	0.79	—	0.79	0.71	—	0.71	—	3,425	3,425	0.14	0.03	—	3,437

Demolitio	—	—	—	—	—	12.1	12.1	—	1.82	1.82	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	2.05	1.49	< 0.005	0.06	—	0.06	0.06	—	0.06	—	282	282	0.01	< 0.005	—	282
Demolitio n	—	—	—	—	—	0.99	0.99	—	0.15	0.15	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.37	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	46.6	46.6	< 0.005	< 0.005	—	46.8
Demolitio n	—	—	—	—	—	0.18	0.18	—	0.03	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.63	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	129	129	< 0.005	0.01	0.02	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	0.00
Hauling	0.32	20.6	6.77	0.10	0.28	3.90	4.18	0.28	1.07	1.35	—	15,312	15,312	0.68	2.47	0.86	16,066
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	0.02	10.9
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	0.00

Hauling	0.03	1.67	0.55	0.01	0.02	0.31	0.34	0.02	0.09	0.11	—	1,258	1,258	0.06	0.20	1.18	1,321
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.78	1.78	< 0.005	< 0.005	< 0.005	1.80
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	0.00
Hauling	< 0.005	0.30	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	208	208	0.01	0.03	0.19	219

3.2. Demolition (2023) - Mitigated

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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	24.9	18.2	0.03	0.12	—	0.12	0.11	—	0.11	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	12.1	12.1	—	1.82	1.82	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	2.05	1.49	< 0.005	0.01	—	0.01	0.01	—	0.01	—	282	282	0.01	< 0.005	—	282
Demolition	—	—	—	—	—	0.99	0.99	—	0.15	0.15	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.37	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.6	46.6	< 0.005	< 0.005	—	46.8
Demolition	—	—	—	—	—	0.18	0.18	—	0.03	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.63	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	129	129	< 0.005	0.01	0.02	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	0.00
Hauling	0.32	20.6	6.77	0.10	0.28	3.90	4.18	0.28	1.07	1.35	—	15,312	15,312	0.68	2.47	0.86	16,066
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	0.02	10.9
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	0.00
Hauling	0.03	1.67	0.55	0.01	0.02	0.31	0.34	0.02	0.09	0.11	—	1,258	1,258	0.06	0.20	1.18	1,321
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.78	1.78	< 0.005	< 0.005	< 0.005	1.80
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	0.00
Hauling	< 0.005	0.30	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	208	208	0.01	0.03	0.19	219

3.3. Site Preparation (2023) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	39.9	28.3	0.05	1.12	—	1.12	1.02	—	1.02	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	2.18	1.55	< 0.005	0.06	—	0.06	0.06	—	0.06	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.40	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	48.0	48.0	< 0.005	< 0.005	—	48.2
Dust From Material Movement	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.74	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	150	150	0.01	0.01	0.02	152
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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.34	8.34	< 0.005	< 0.005	0.02	8.46
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.40
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	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	0.00

3.4. Site Preparation (2023) - Mitigated

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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	39.9	28.3	0.05	0.17	—	0.17	0.15	—	0.15	—	5,295	5,295	0.21	0.04	—	5,314

Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	2.18	1.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.40	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48.0	48.0	< 0.005	< 0.005	—	48.2
Dust From Material Movement	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.74	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	150	150	0.01	0.01	0.02	152
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	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	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.34	8.34	< 0.005	< 0.005	0.02	8.46
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.40
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	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	0.00

3.5. Grading (2023) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	48.8	35.3	0.06	1.36	—	1.36	1.23	—	1.23	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	3.59	3.59	—	1.43	1.43	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	2.01	1.45	< 0.005	0.06	—	0.06	0.05	—	0.05	—	271	271	0.01	< 0.005	—	272

Dust From Material Movement	—	—	—	—	—	0.15	0.15	—	0.06	0.06	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.37	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.9	44.9	< 0.005	< 0.005	—	45.0
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.84	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	172	172	0.01	0.01	0.02	174
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	0.00
Hauling	0.02	1.36	0.45	0.01	0.02	0.26	0.28	0.02	0.07	0.09	—	1,011	1,011	0.04	0.16	0.06	1,061
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.02	7.26
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	0.00
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.5	41.5	< 0.005	0.01	0.04	43.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.20
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	0.00

Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.88	6.88	< 0.005	< 0.005	0.01	7.22

3.6. Grading (2023) - Mitigated

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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	48.8	35.3	0.06	0.20	—	0.20	0.18	—	0.18	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	3.59	3.59	—	1.43	1.43	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	2.01	1.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	271	271	0.01	< 0.005	—	272
Dust From Material Movement	—	—	—	—	—	0.15	0.15	—	0.06	0.06	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.37	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.9	44.9	< 0.005	< 0.005	—	45.0

Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.84	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	172	172	0.01	0.01	0.02	174
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	0.00
Hauling	0.02	1.36	0.45	0.01	0.02	0.26	0.28	0.02	0.07	0.09	—	1,011	1,011	0.04	0.16	0.06	1,061
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.02	7.26
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	0.00
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.5	41.5	< 0.005	0.01	0.04	43.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.20
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	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.88	6.88	< 0.005	< 0.005	0.01	7.22

3.7. Grading (2024) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	48.8	35.3	0.06	1.36	—	1.36	1.23	—	1.23	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	3.59	3.59	—	1.43	1.43	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	3.82	2.77	< 0.005	0.11	—	0.11	0.10	—	0.10	—	516	516	0.02	< 0.005	—	518
Dust From Material Movement	—	—	—	—	—	0.28	0.28	—	0.11	0.11	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.70	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	85.5	85.5	< 0.005	< 0.005	—	85.8
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	169	169	0.01	0.01	0.02	171
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	0.00
Hauling	0.02	1.32	0.44	0.01	0.02	0.26	0.28	0.02	0.07	0.09	—	996	996	0.04	0.16	0.06	1,044
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.03	13.6
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	0.00
Hauling	< 0.005	0.10	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	78.0	78.0	< 0.005	0.01	0.07	81.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.21	2.21	< 0.005	< 0.005	< 0.005	2.25
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	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.01	13.5

3.8. Grading (2024) - Mitigated

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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	48.8	35.3	0.06	0.20	—	0.20	0.18	—	0.18	—	6,598	6,598	0.27	0.05	—	6,621

Dust From Material Movement	—	—	—	—	—	3.59	3.59	—	1.43	1.43	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	3.82	2.77	< 0.005	0.02	—	0.02	0.01	—	0.01	—	516	516	0.02	< 0.005	—	518
Dust From Material Movement	—	—	—	—	—	0.28	0.28	—	0.11	0.11	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.70	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	85.5	85.5	< 0.005	< 0.005	—	85.8
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	169	169	0.01	0.01	0.02	171
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	0.00
Hauling	0.02	1.32	0.44	0.01	0.02	0.26	0.28	0.02	0.07	0.09	—	996	996	0.04	0.16	0.06	1,044

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.03	13.6
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	0.00
Hauling	< 0.005	0.10	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	78.0	78.0	< 0.005	0.01	0.07	81.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.21	2.21	< 0.005	< 0.005	< 0.005	2.25
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	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.01	13.5

3.9. Building Construction (2024) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	—	2,406
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	—	2,406
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.39	12.0	9.07	0.01	0.44	—	0.44	0.41	—	0.41	—	1,520	1,520	0.06	0.01	—	1,525
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.18	1.65	< 0.005	0.08	—	0.08	0.07	—	0.07	—	252	252	0.01	< 0.005	—	253
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.56	1.06	16.6	0.00	0.00	3.13	3.13	0.00	0.73	0.73	—	3,454	3,454	0.08	0.13	15.1	3,510
Vendor	0.08	2.66	1.04	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,990	1,990	0.06	0.30	5.28	2,085
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.48	1.43	14.8	0.00	0.00	3.13	3.13	0.00	0.73	0.73	—	3,192	3,192	0.10	0.13	0.39	3,234
Vendor	0.07	2.82	1.07	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,991	1,991	0.06	0.30	0.14	2,082
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.82	8.99	0.00	0.00	1.93	1.93	0.00	0.45	0.45	—	2,049	2,049	0.05	0.08	4.11	2,079
Vendor	0.05	1.75	0.67	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,262	1,262	0.04	0.19	1.44	1,321
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.15	1.64	0.00	0.00	0.35	0.35	0.00	0.08	0.08	—	339	339	0.01	0.01	0.68	344
Vendor	0.01	0.32	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	209	209	0.01	0.03	0.24	219
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	0.00

3.10. Building Construction (2024) - Mitigated

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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.10	—	0.10	0.10	—	0.10	—	2,398	2,398	0.10	0.02	—	2,406
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.10	—	0.10	0.10	—	0.10	—	2,398	2,398	0.10	0.02	—	2,406
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	12.0	9.07	0.01	0.07	—	0.07	0.06	—	0.06	—	1,520	1,520	0.06	0.01	—	1,525
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.18	1.65	< 0.005	0.01	—	0.01	0.01	—	0.01	—	252	252	0.01	< 0.005	—	253
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.56	1.06	16.6	0.00	0.00	3.13	3.13	0.00	0.73	0.73	—	3,454	3,454	0.08	0.13	15.1	3,510
Vendor	0.08	2.66	1.04	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,990	1,990	0.06	0.30	5.28	2,085
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.48	1.43	14.8	0.00	0.00	3.13	3.13	0.00	0.73	0.73	—	3,192	3,192	0.10	0.13	0.39	3,234
Vendor	0.07	2.82	1.07	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,991	1,991	0.06	0.30	0.14	2,082
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.82	8.99	0.00	0.00	1.93	1.93	0.00	0.45	0.45	—	2,049	2,049	0.05	0.08	4.11	2,079
Vendor	0.05	1.75	0.67	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,262	1,262	0.04	0.19	1.44	1,321
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.15	1.64	0.00	0.00	0.35	0.35	0.00	0.08	0.08	—	339	339	0.01	0.01	0.68	344
Vendor	0.01	0.32	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	209	209	0.01	0.03	0.24	219
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	0.00

3.11. Building Construction (2025) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	—	2,406
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	—	2,406
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	6.57	4.98	0.01	0.24	—	0.24	0.22	—	0.22	—	835	835	0.03	0.01	—	838
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.20	0.91	< 0.005	0.04	—	0.04	0.04	—	0.04	—	138	138	0.01	< 0.005	—	139
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.50	0.95	15.3	0.00	0.00	3.13	3.13	0.00	0.73	0.73	—	3,387	3,387	0.07	0.13	13.9	3,441
Vendor	0.06	2.55	1.00	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,959	1,959	0.06	0.28	5.26	2,051
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.41	1.31	13.7	0.00	0.00	3.13	3.13	0.00	0.73	0.73	—	3,131	3,131	0.09	0.13	0.36	3,173

Vendor	0.06	2.69	1.03	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,961	1,961	0.06	0.28	0.14	2,047
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.49	0.41	4.58	0.00	0.00	1.06	1.06	0.00	0.25	0.25	—	1,104	1,104	0.03	0.05	2.09	1,120
Vendor	0.02	0.92	0.35	< 0.005	0.01	0.18	0.19	0.01	0.05	0.06	—	683	683	0.02	0.10	0.79	714
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.07	0.84	0.00	0.00	0.19	0.19	0.00	0.05	0.05	—	183	183	< 0.005	0.01	0.35	185
Vendor	< 0.005	0.17	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	113	113	< 0.005	0.02	0.13	118
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	0.00

3.12. Building Construction (2025) - Mitigated

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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.10	—	0.10	0.10	—	0.10	—	2,398	2,398	0.10	0.02	—	2,406
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.10	—	0.10	0.10	—	0.10	—	2,398	2,398	0.10	0.02	—	2,406
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	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	6.57	4.98	0.01	0.04	—	0.04	0.03	—	0.03	—	835	835	0.03	0.01	—	838
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.20	0.91	< 0.005	0.01	—	0.01	0.01	—	0.01	—	138	138	0.01	< 0.005	—	139
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.50	0.95	15.3	0.00	0.00	3.13	3.13	0.00	0.73	0.73	—	3,387	3,387	0.07	0.13	13.9	3,441
Vendor	0.06	2.55	1.00	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,959	1,959	0.06	0.28	5.26	2,051
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.41	1.31	13.7	0.00	0.00	3.13	3.13	0.00	0.73	0.73	—	3,131	3,131	0.09	0.13	0.36	3,173
Vendor	0.06	2.69	1.03	0.01	0.03	0.52	0.54	0.03	0.14	0.17	—	1,961	1,961	0.06	0.28	0.14	2,047
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.49	0.41	4.58	0.00	0.00	1.06	1.06	0.00	0.25	0.25	—	1,104	1,104	0.03	0.05	2.09	1,120
Vendor	0.02	0.92	0.35	< 0.005	0.01	0.18	0.19	0.01	0.05	0.06	—	683	683	0.02	0.10	0.79	714
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.07	0.84	0.00	0.00	0.19	0.19	0.00	0.05	0.05	—	183	183	< 0.005	0.01	0.35	185

Vendor	< 0.005	0.17	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	113	113	< 0.005	0.02	0.13	118
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	0.00

3.13. Paving (2025) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	13.3	10.6	0.01	0.58	—	0.58	0.54	—	0.54	—	1,511	1,511	0.06	0.01	—	1,517
Paving	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.28	1.02	< 0.005	0.06	—	0.06	0.05	—	0.05	—	145	145	0.01	< 0.005	—	145
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.23	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
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	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.61	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.55	136
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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	0.02	12.2
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.02
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	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	0.00

3.14. Paving (2025) - Mitigated

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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	13.3	10.6	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,517
Paving	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.28	1.02	< 0.005	0.01	—	0.01	0.01	—	0.01	—	145	145	0.01	< 0.005	—	145
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.23	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.61	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.55	136
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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	0.02	12.2
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.02
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	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	0.00

3.15. Architectural Coating (2025) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	165	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	165	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Architectural Coatings	15.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.12	2.12	< 0.005	< 0.005	—	2.13
Architectural Coatings	2.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.19	3.06	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	677	677	0.01	0.03	2.78	688
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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.26	2.73	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	626	626	0.02	0.03	0.07	635
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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.25	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	60.8	60.8	< 0.005	< 0.005	0.12	61.7
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.02	10.2
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	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	0.00

3.16. Architectural Coating (2025) - Mitigated

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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	165	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	165	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.10	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Architectural Coatings	15.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.12	2.12	< 0.005	< 0.005	—	2.13
Architectural Coatings	2.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.19	3.06	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	677	677	0.01	0.03	2.78	688
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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.26	2.73	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	626	626	0.02	0.03	0.07	635
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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.25	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	60.8	60.8	< 0.005	< 0.005	0.12	61.7
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.02	10.2
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	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	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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	8.58	6.87	60.8	0.14	0.11	11.9	12.0	0.10	3.01	3.11	—	14,344	14,344	0.65	0.64	56.8	14,608
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	0.00
Enclosed Parking Structure	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	0.00
Total	8.58	6.87	60.8	0.14	0.11	11.9	12.0	0.10	3.01	3.11	—	14,344	14,344	0.65	0.64	56.8	14,608
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	8.07	8.07	59.7	0.13	0.11	11.9	12.0	0.10	3.01	3.11	—	13,508	13,508	0.76	0.71	1.47	13,739

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	0.00
Enclosed Parking Structure	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	0.00
Total	8.07	8.07	59.7	0.13	0.11	11.9	12.0	0.10	3.01	3.11	—	13,508	13,508	0.76	0.71	1.47	13,739
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.46	1.37	10.3	0.02	0.02	2.17	2.19	0.02	0.55	0.57	—	2,256	2,256	0.12	0.11	4.06	2,297
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	0.00
Enclosed Parking Structure	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	0.00
Total	1.46	1.37	10.3	0.02	0.02	2.17	2.19	0.02	0.55	0.57	—	2,256	2,256	0.12	0.11	4.06	2,297

4.1.2. Mitigated

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	8.58	6.87	60.8	0.14	0.11	11.9	12.0	0.10	3.01	3.11	—	14,344	14,344	0.65	0.64	56.8	14,608
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	0.00
Enclosed Parking Structure	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	0.00
Total	8.58	6.87	60.8	0.14	0.11	11.9	12.0	0.10	3.01	3.11	—	14,344	14,344	0.65	0.64	56.8	14,608

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	8.07	8.07	59.7	0.13	0.11	11.9	12.0	0.10	3.01	3.11	—	13,508	13,508	0.76	0.71	1.47	13,739
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	0.00
Enclosed Parking Structure	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	0.00
Total	8.07	8.07	59.7	0.13	0.11	11.9	12.0	0.10	3.01	3.11	—	13,508	13,508	0.76	0.71	1.47	13,739
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.46	1.37	10.3	0.02	0.02	2.17	2.19	0.02	0.55	0.57	—	2,256	2,256	0.12	0.11	4.06	2,297
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	0.00
Enclosed Parking Structure	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	0.00
Total	1.46	1.37	10.3	0.02	0.02	2.17	2.19	0.02	0.55	0.57	—	2,256	2,256	0.12	0.11	4.06	2,297

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1,078	1,078	0.17	0.02	—	1,089
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	34.1	34.1	0.01	< 0.005	—	34.5
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	330	330	0.05	0.01	—	334
Total	—	—	—	—	—	—	—	—	—	—	—	1,443	1,443	0.23	0.03	—	1,457
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1,078	1,078	0.17	0.02	—	1,089
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	34.1	34.1	0.01	< 0.005	—	34.5
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	330	330	0.05	0.01	—	334
Total	—	—	—	—	—	—	—	—	—	—	—	1,443	1,443	0.23	0.03	—	1,457
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	178	178	0.03	< 0.005	—	180
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	5.65	5.65	< 0.005	< 0.005	—	5.70
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	54.7	54.7	0.01	< 0.005	—	55.2
Total	—	—	—	—	—	—	—	—	—	—	—	239	239	0.04	< 0.005	—	241

4.2.2. Electricity Emissions By Land Use - Mitigated

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1,078	1,078	0.17	0.02	—	1,089
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	34.1	34.1	0.01	< 0.005	—	34.5
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	330	330	0.05	0.01	—	334
Total	—	—	—	—	—	—	—	—	—	—	—	1,443	1,443	0.23	0.03	—	1,457
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1,078	1,078	0.17	0.02	—	1,089
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	34.1	34.1	0.01	< 0.005	—	34.5
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	330	330	0.05	0.01	—	334
Total	—	—	—	—	—	—	—	—	—	—	—	1,443	1,443	0.23	0.03	—	1,457
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	178	178	0.03	< 0.005	—	180
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	5.65	5.65	< 0.005	< 0.005	—	5.70
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	54.7	54.7	0.01	< 0.005	—	55.2

Total	—	—	—	—	—	—	—	—	—	—	—	239	239	0.04	< 0.005	—	241

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	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
Enclosed Parking Structure	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	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
Enclosed Parking Structure	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	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
Enclosed Parking Structure	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

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	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
Enclosed Parking Structure	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	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
Enclosed Parking Structure	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	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
Enclosed Parking Structure	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

4.3.2. 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	8.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	10.4	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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

Consumer Products	8.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	10.4	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	1.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.89	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

4.3.1. Mitigated

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	8.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	10.4	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	8.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	10.4	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	1.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.89	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

4.4. Water Emissions by Land Use

4.4.2. 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.81	9.88	14.7	0.49	0.01	—	30.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	4.81	9.88	14.7	0.49	0.01	—	30.6

4.4.1. Mitigated

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	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	29.1	59.7	88.7	2.99	0.07	—	185
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.81	9.88	14.7	0.49	0.01	—	30.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	4.81	9.88	14.7	0.49	0.01	—	30.6

4.5. Waste Emissions by Land Use

4.5.2. 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	28.2	0.00	28.2	2.82	0.00	—	98.6

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	28.2	0.00	28.2	2.82	0.00	—	98.6

4.5.1. Mitigated

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	170	0.00	170	17.0	0.00	—	595

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	28.2	0.00	28.2	2.82	0.00	—	98.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	28.2	0.00	28.2	2.82	0.00	—	98.6

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.49	0.49
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.49	0.49

4.6.2. Mitigated

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.94	2.94
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.49	0.49
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.49	0.49

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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	R	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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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	R	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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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	R	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	R	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	R	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	R	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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	R	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
Demolition	Demolition	10/2/2023	11/10/2023	5.00	30.0	—
Site Preparation	Site Preparation	11/13/2023	12/8/2023	5.00	20.0	—
Grading	Grading	12/11/2023	2/9/2024	5.00	45.0	—
Building Construction	Building Construction	2/12/2024	6/27/2025	5.00	360	—
Paving	Paving	6/30/2025	8/15/2025	5.00	35.0	—
Architectural Coating	Architectural Coating	8/18/2025	10/3/2025	5.00	35.0	—

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
Demolition	Concrete/Industrial Saws	Diesel	Tier 2	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 2	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Tier 2	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 2	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 2	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 2	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 2	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 2	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 2	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 2	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 2	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 2	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 2	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 2	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 2	1.00	8.00	33.0	0.73

Demolition	Excavators	Diesel	Tier 2	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Tier 2	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 2	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 2	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 2	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 2	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 2	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 2	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 2	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 2	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 2	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 2	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 2	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	11.7	LDA,LDT1,LDT2

Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	210	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	13.9	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	378	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	73.3	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	75.7	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT

Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	210	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	13.9	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	378	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	73.3	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	75.7	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	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%
Sweep paved roads once per month	9%	9%

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	830,088	276,696	0.00	0.00	4,182

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	548,648	—

Site Preparation	—	—	30.0	0.00	—
Grading	—	5,000	135	0.00	—
Paving	0.00	0.00	0.00	0.00	1.60

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Parking Lot	1.60	100%
Enclosed Parking Structure	0.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	204	0.03	< 0.005
2024	0.00	204	0.03	< 0.005
2025	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

Apartments Mid Rise	1,947	1,947	1,947	710,699	16,884	16,884	16,884	6,162,739
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,947	1,947	1,947	710,699	16,884	16,884	16,884	6,162,739
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking Structure	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

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	427
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	427
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	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)
830088	276,696	0.00	0.00	4,182

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

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)
Apartments Mid Rise	1,929,105	204	0.0330	0.0040	0.00
Parking Lot	61,054	204	0.0330	0.0040	0.00
Enclosed Parking Structure	591,042	204	0.0330	0.0040	0.00

5.11.2. Mitigated

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)
Apartments Mid Rise	1,929,105	204	0.0330	0.0040	0.00
Parking Lot	61,054	204	0.0330	0.0040	0.00
Enclosed Parking Structure	591,042	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)
Apartments Mid Rise	15,163,133	1,734,988
Parking Lot	0.00	0.00
Enclosed Parking Structure	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	15,163,133	1,734,988
Parking Lot	0.00	0.00
Enclosed Parking Structure	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	316	—
Parking Lot	0.00	—
Enclosed Parking Structure	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	316	—
Parking Lot	0.00	—
Enclosed Parking Structure	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

—	—

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

5.18.1.2. Mitigated

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

5.18.1.2. Mitigated

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)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Total 12.6-acre project site.
Construction: Construction Phases	Construction of the proposed project is anticipated to begin in October 2023 and would occur over an approximately 24-month period.
Construction: Off-Road Equipment	Assuming use of Tier 2 construction equipment.
Operations: Vehicle Data	Based on trip generation in the proposed project's Traffic Impact Analysis (Abrams Associates, April 11, 2022).
Operations: Hearths	The proposed project would be all electric.
Operations: Energy Use	The proposed project would be all electric.

APPENDIX B

MODEL SNAPSHOTS

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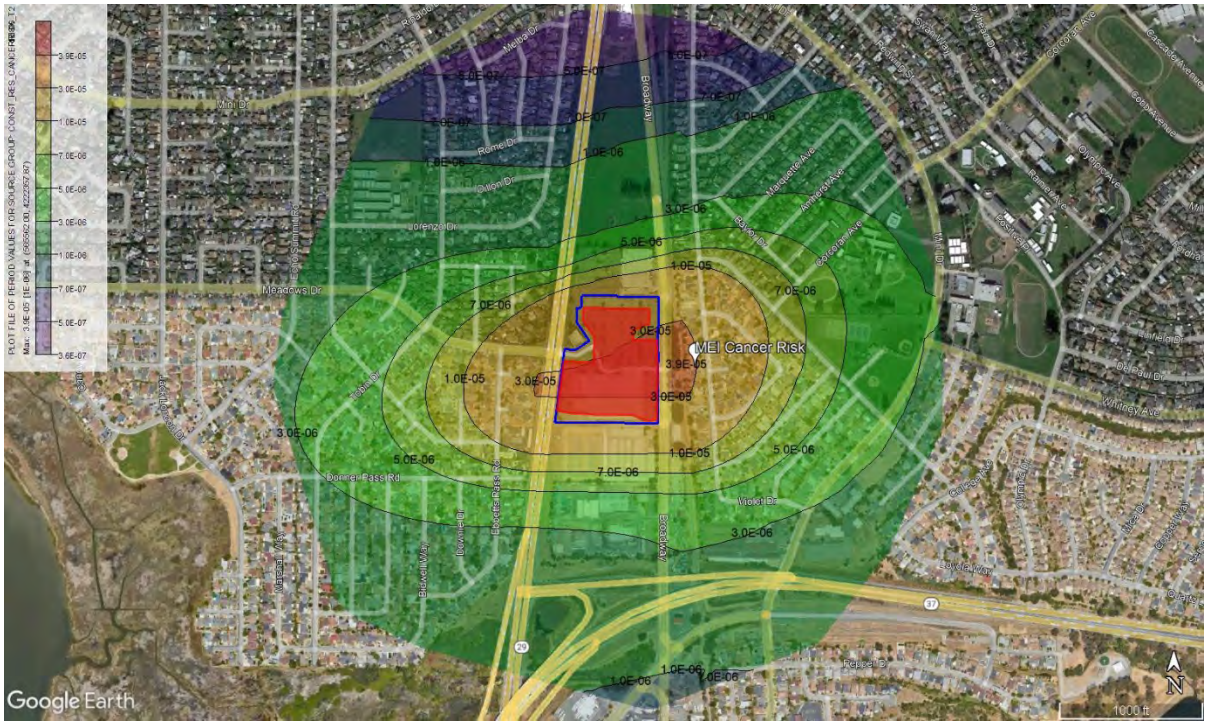
Project Location



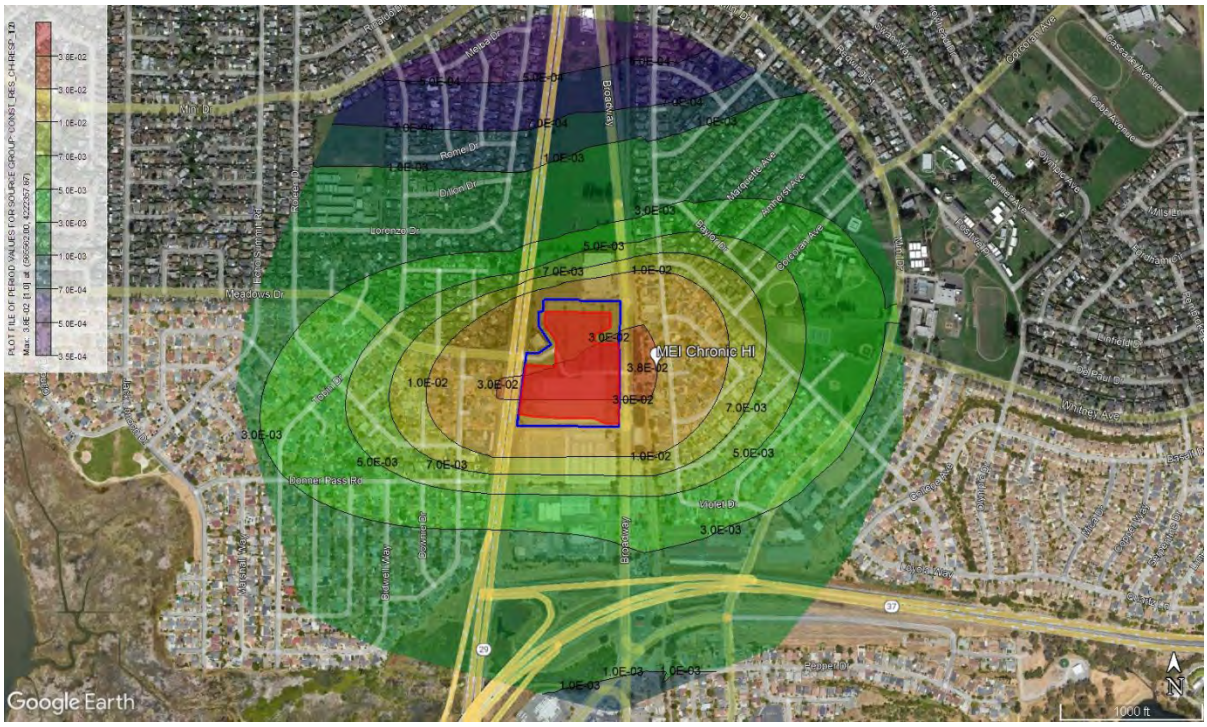
Receptor Grid



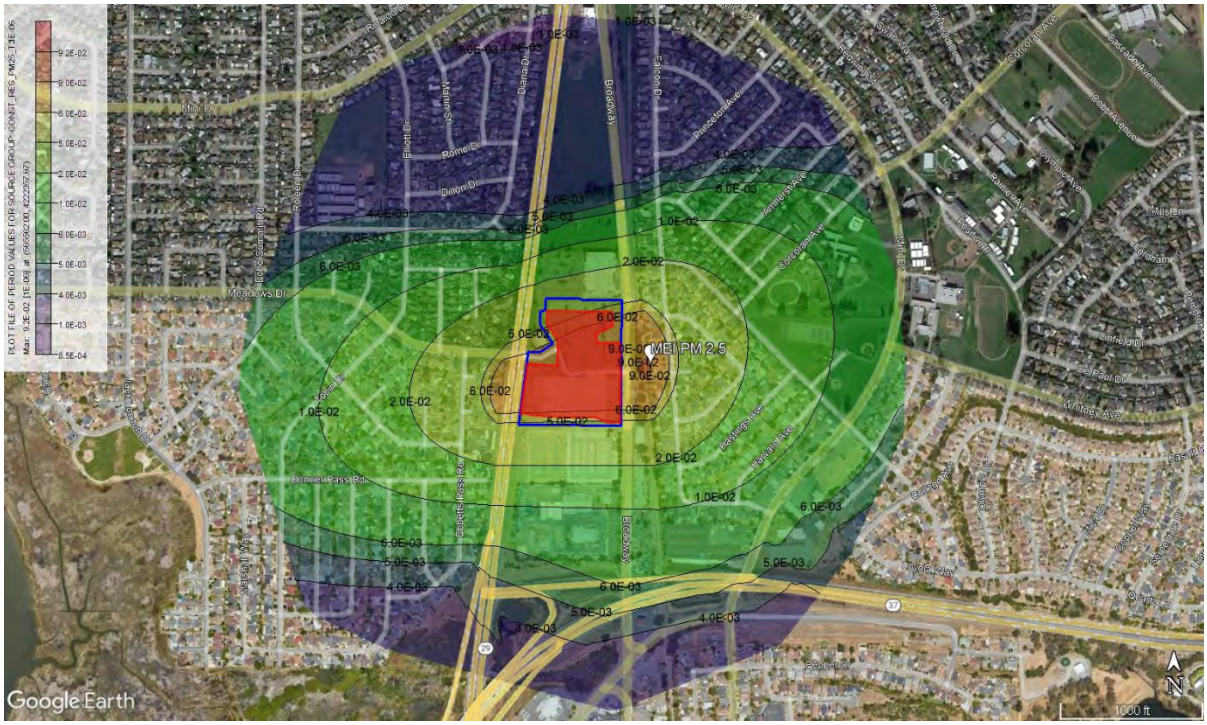
Unmitigated Construction Cancer Risk – Sensitive Receptor



Unmitigated Construction Chronic Hazard Index – Sensitive Receptor



Unmitigated Construction $PM_{2.5}$ Concentrations – Sensitive Receptor



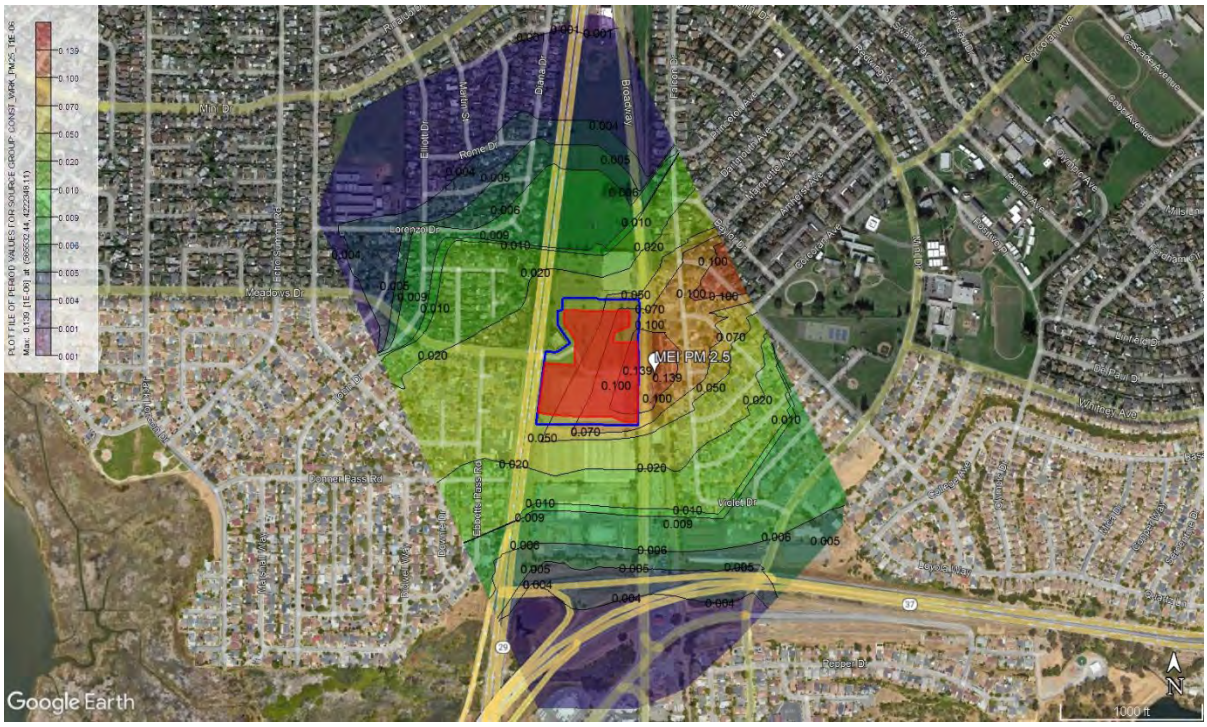
Unmitigated Construction Cancer Risk – Worker Receptor



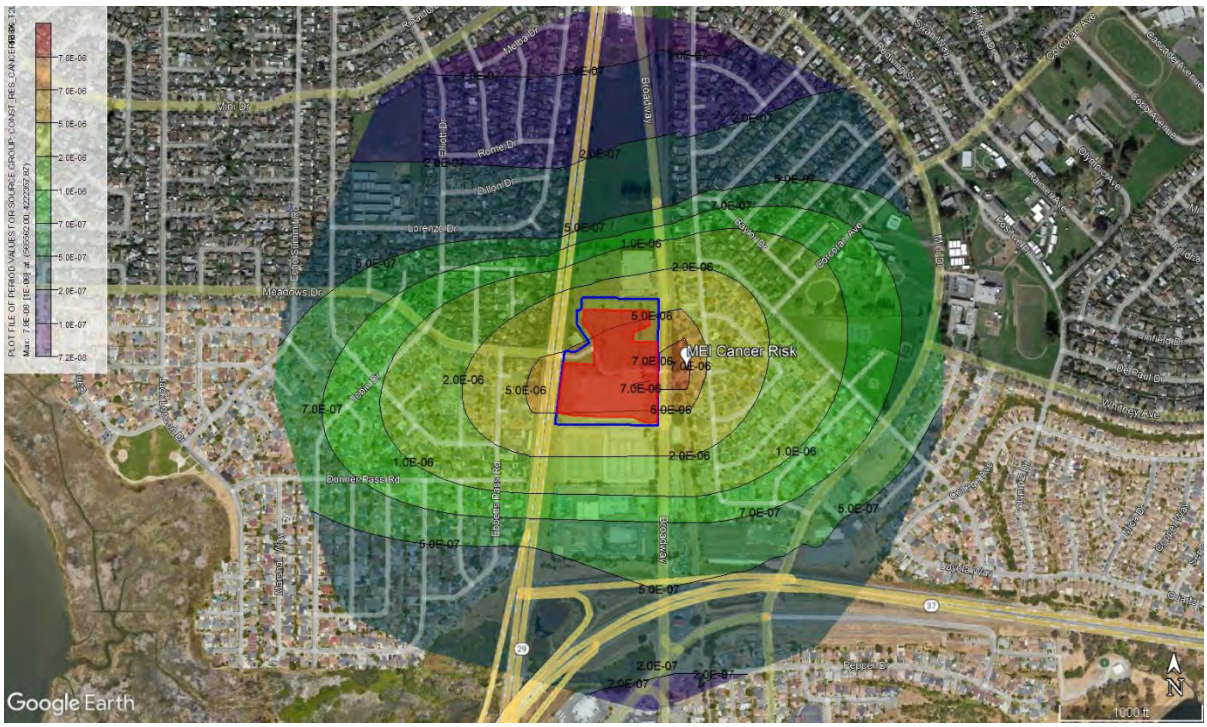
Unmitigated Construction Chronic Hazard Index – Worker Receptor



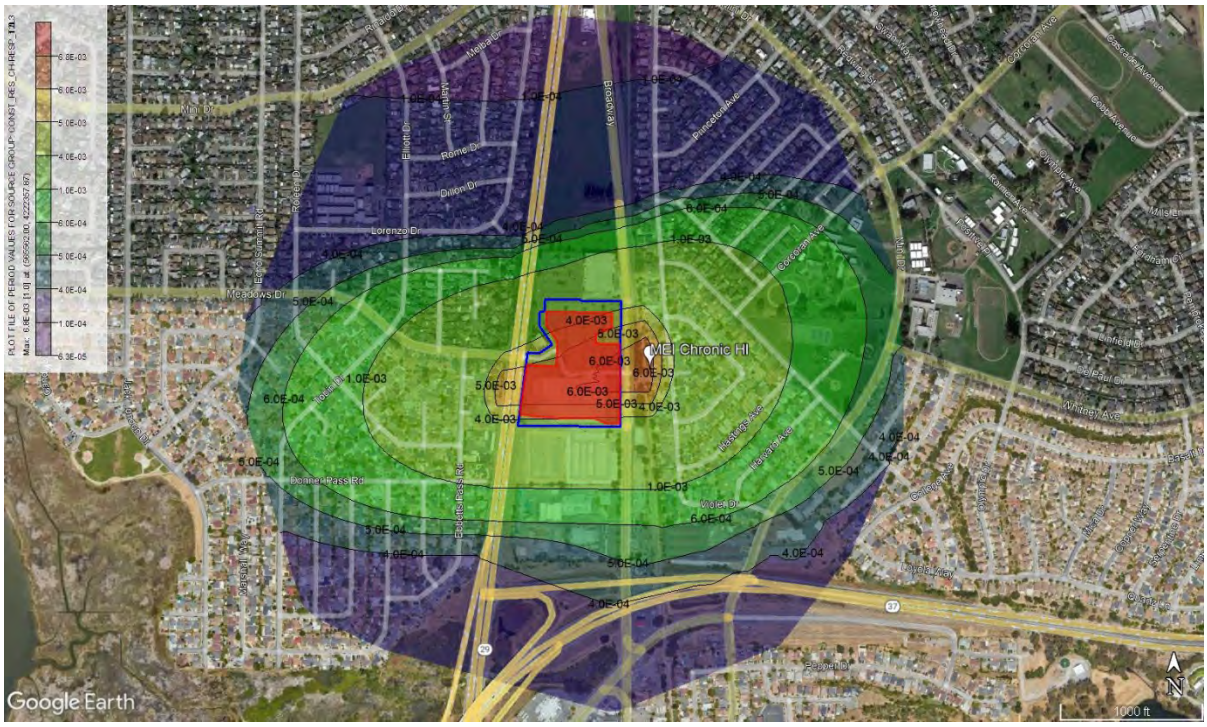
Unmitigated Construction $PM_{2.5}$ Concentrations – Worker Receptor



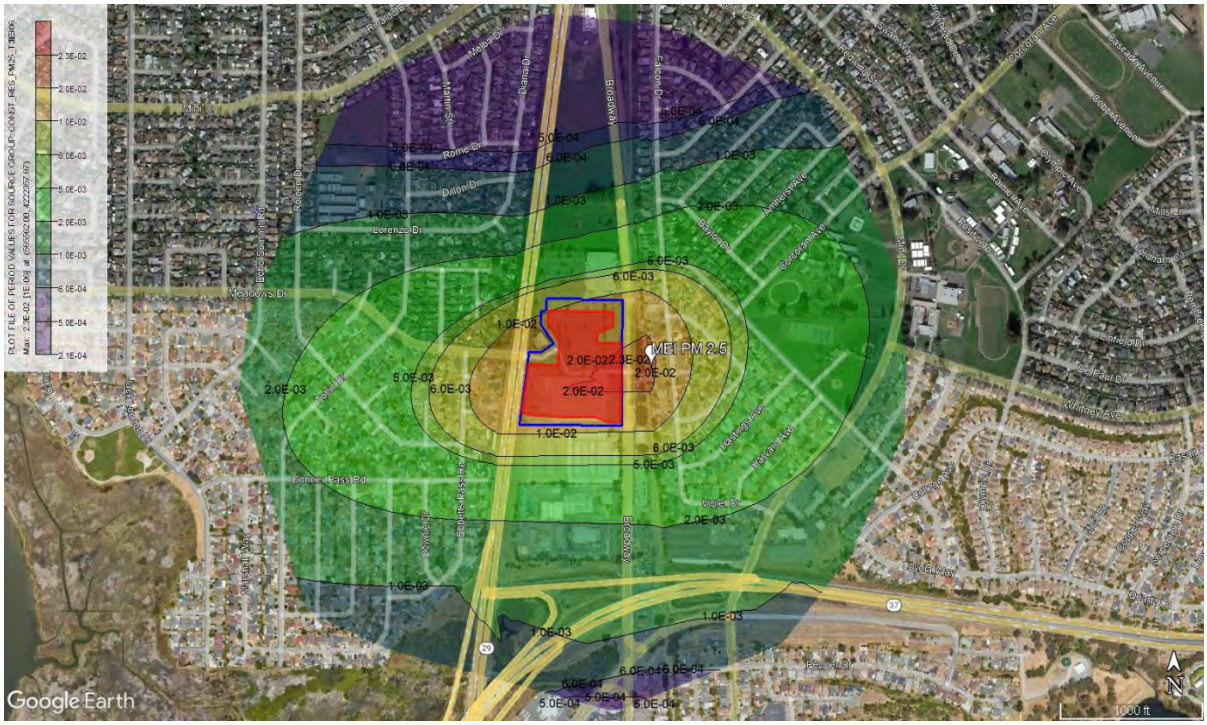
Mitigated Construction Cancer Risk – Sensitive Receptor



Mitigated Construction Chronic Hazard Index – Sensitive Receptor



Mitigated Construction $PM_{2.5}$ Concentrations – Sensitive Receptor



Mitigated Construction Cancer Risk – Worker Receptor



Mitigated Construction Chronic Hazard Index – Worker Receptor



Mitigated Construction $PM_{2.5}$ Concentrations – Worker Receptor



Construction	Worker Receptor	Sensitive Receptor
Cancer Risk (in a Million)	0.78	45.54
Chronic HI	5.24E-02	3.49E-02
Acute HI	0.0	0.0
PM 2.5	0.262	0.174

Construction (T2)	Worker Receptor	Sensitive Receptor
Cancer Risk (in a Million)	0.54	38.52
Chronic HI	5.74E-02	3.82E-02
Acute HI	0.0	0.0
PM 2.5	0.139	0.092

Construction (T2L3)	Worker Receptor	Sensitive Receptor
Cancer Risk (in a Million)	0.15	7.79
Chronic HI	1.02E-02	6.81E-03
Acute HI	0.0	0.0
PM 2.5	0.034	0.023

Construction (T4)	Worker Receptor	Sensitive Receptor
Cancer Risk (in a Million)	0.09	4.86
Chronic HI	5.70E-03	3.79E-03
Acute HI	0.0	0.0
PM 2.5	0.027	0.018

PM 10				
Tons/Yr	UM	T2	T2L3	T4
Year 1	0.0707	0.0375	0.0093	0.0072
Year 2	0.0935	0.1025	0.0183	0.0102
Year 3	0.0335	0.0568	0.0110	0.0050

PM 2.5				
Tons/Yr	UM	T2	T2L3	T4
Year 1	0.06485	0.0344	0.01403	1.06E-02
Year 2	0.0874	0.09525	1.61E-02	9.19E-03
Year 3	0.03138	0.0531	0.006335	0.002718

PM 10				
Lbs /Yr	UM	T2	T2L3	T4
Year 1	141.4	74.97	18.57	14.37
Year 2	187	205	36.53	20.34
Year 3	66.99	113.5	21.92	10

PM 2.5				
Lbs /Yr	UM	T2	T2L3	T4
Year 1	129.7	68.8	28.06	21.1
Year 2	174.8	190.5	32.26	18.38
Year 3	62.76	106.2	12.67	5.435

PM 10				
% Chng	UM	M	T2L3	T4
Year 1	100%	53%	13%	10%
Year 2	100%	110%	20%	11%
Year 3	100%	100%	33%	15%

PM 2.5				
g/sec	UM	T2	T2L3	T4
Year 1	0.001866	0.00099	0.000404	0.000303
Year 2	0.002514	0.00274	0.000464	0.000264
Year 3	0.000903	0.001528	0.000182	7.82E-05

			UnMitigated				T2				T2L3				T4			
						4.55E-05				3.85E-05				7.79E-06				4.86E-06
			Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	565529.2	4222707	1.17E-06	1.42E-06	7.50E-08	2.66E-06	6.18E-07	1.56E-06	7.50E-08	2.25E-06	1.53E-07	2.78E-07	2.46E-08	4.56E-07	1.18E-07	1.55E-07	1.12E-08	2.85E-07
2	565533.8	4222716	1.11E-06	1.36E-06	7.14E-08	2.54E-06	5.88E-07	1.49E-06	7.14E-08	2.15E-06	1.46E-07	2.65E-07	2.34E-08	4.34E-07	1.13E-07	1.47E-07	1.07E-08	2.71E-07
3	565527.7	4222729	9.89E-07	1.21E-06	6.37E-08	2.26E-06	5.25E-07	1.32E-06	6.37E-08	1.91E-06	1.30E-07	2.36E-07	2.08E-08	3.87E-07	1.01E-07	1.31E-07	9.51E-09	2.41E-07
4	565538.4	4222725	1.06E-06	1.29E-06	6.81E-08	2.42E-06	5.61E-07	1.42E-06	6.81E-08	2.05E-06	1.39E-07	2.52E-07	2.23E-08	4.14E-07	1.08E-07	1.41E-07	1.02E-08	2.58E-07
5	565532.3	4222737	9.47E-07	1.16E-06	6.09E-08	2.16E-06	5.02E-07	1.27E-06	6.09E-08	1.83E-06	1.24E-07	2.26E-07	1.99E-08	3.70E-07	9.62E-08	1.26E-07	9.10E-09	2.31E-07
6	565543	4222733	1.01E-06	1.23E-06	6.50E-08	2.31E-06	5.36E-07	1.35E-06	6.50E-08	1.95E-06	1.33E-07	2.41E-07	2.13E-08	3.95E-07	1.03E-07	1.34E-07	9.71E-09	2.47E-07
7	565536.7	4222746	9.06E-07	1.11E-06	5.83E-08	2.07E-06	4.80E-07	1.21E-06	5.83E-08	1.75E-06	1.19E-07	2.16E-07	1.91E-08	3.54E-07	9.21E-08	1.20E-07	8.71E-09	2.21E-07
8	565547.6	4222742	9.66E-07	1.18E-06	6.22E-08	2.21E-06	5.12E-07	1.29E-06	6.22E-08	1.87E-06	1.27E-07	2.30E-07	2.03E-08	3.78E-07	9.81E-08	1.28E-07	9.28E-09	2.36E-07
9	565541.4	4222755	8.69E-07	1.06E-06	5.59E-08	1.99E-06	4.61E-07	1.16E-06	5.59E-08	1.68E-06	1.14E-07	2.07E-07	1.83E-08	3.40E-07	8.83E-08	1.15E-07	8.35E-09	2.12E-07
10	565530.1	4222758	8.24E-07	1.01E-06	5.31E-08	1.88E-06	4.37E-07	1.10E-06	5.31E-08	1.59E-06	1.08E-07	1.97E-07	1.74E-08	3.22E-07	8.38E-08	1.10E-07	7.92E-09	2.01E-07
11	565552.2	4222751	9.24E-07	1.13E-06	5.95E-08	2.11E-06	4.90E-07	1.24E-06	5.95E-08	1.79E-06	1.21E-07	2.20E-07	1.95E-08	3.61E-07	9.39E-08	1.23E-07	8.88E-09	2.26E-07
12	565546	4222764	8.34E-07	1.02E-06	5.37E-08	1.91E-06	4.42E-07	1.12E-06	5.37E-08	1.61E-06	1.10E-07	1.99E-07	1.76E-08	3.26E-07	8.47E-08	1.11E-07	8.01E-09	2.04E-07
13	565534.8	4222766	7.92E-07	9.68E-07	5.10E-08	1.81E-06	4.20E-07	1.06E-06	5.10E-08	1.53E-06	1.04E-07	1.89E-07	1.67E-08	3.10E-07	8.05E-08	1.05E-07	7.61E-09	1.93E-07
14	565556.8	4222759	8.85E-07	1.08E-06	5.70E-08	2.02E-06	4.69E-07	1.19E-06	5.70E-08	1.71E-06	1.16E-07	2.11E-07	1.86E-08	3.46E-07	9.00E-08	1.18E-07	8.51E-09	2.16E-07
15	565550.7	4222772	8.02E-07	9.79E-07	5.16E-08	1.83E-06	4.25E-07	1.07E-06	5.16E-08	1.55E-06	1.05E-07	1.91E-07	1.69E-08	3.13E-07	8.15E-08	1.06E-07	7.70E-09	1.96E-07
16	565539.5	4222775	7.63E-07	9.31E-07	4.91E-08	1.74E-06	4.04E-07	1.02E-06	4.91E-08	1.47E-06	1.00E-07	1.82E-07	1.61E-08	2.98E-07	7.75E-08	1.01E-07	7.33E-09	1.86E-07
17	565528.4	4222778	7.26E-07	8.87E-07	4.68E-08	1.66E-06	3.85E-07	9.73E-07	4.68E-08	1.40E-06	9.54E-08	1.73E-07	1.53E-08	2.84E-07	7.38E-08	9.65E-08	6.98E-09	1.77E-07
18	565561.4	4222768	8.50E-07	1.04E-06	5.47E-08	1.94E-06	4.51E-07	1.14E-06	5.47E-08	1.64E-06	1.12E-07	2.03E-07	1.79E-08	3.32E-07	8.64E-08	1.13E-07	8.17E-09	2.07E-07
19	565560.1	4222790	7.42E-07	9.06E-07	4.78E-08	1.70E-06	3.93E-07	9.93E-07	4.78E-08	1.43E-06	9.74E-08	1.77E-07	1.56E-08	2.90E-07	7.54E-08	9.86E-08	7.13E-09	1.81E-07
20	565549.1	4222793	7.08E-07	8.64E-07	4.55E-08	1.62E-06	3.75E-07	9.47E-07	4.55E-08	1.37E-06	9.29E-08	1.69E-07	1.49E-08	2.77E-07	7.19E-08	9.40E-08	6.80E-09	1.73E-07
21	565538	4222795	6.76E-07	8.25E-07	4.35E-08	1.54E-06	3.58E-07	9.05E-07	4.35E-08	1.31E-06	8.87E-08	1.61E-07	1.42E-08	2.64E-07	6.87E-08	8.98E-08	6.49E-09	1.65E-07
22	565527	4222798	6.46E-07	7.90E-07	4.16E-08	1.48E-06	3.43E-07	8.66E-07	4.16E-08	1.25E-06	8.49E-08	1.54E-07	1.36E-08	2.53E-07	6.57E-08	8.59E-08	6.21E-09	1.58E-07
23	565558	4222810	6.56E-07	8.02E-07	4.22E-08	1.50E-06	3.48E-07	8.79E-07	4.22E-08	1.27E-06	8.62E-08	1.57E-07	1.38E-08	2.57E-07	6.67E-08	8.72E-08	6.31E-09	1.60E-07
24	565546.7	4222813	6.28E-07	7.67E-07	4.04E-08	1.44E-06	3.33E-07	8.41E-07	4.04E-08	1.21E-06	8.25E-08	1.50E-07	1.32E-08	2.45E-07	6.38E-08	8.34E-08	6.03E-09	1.53E-07
25	565535.4	4222816	6.02E-07	7.35E-07	3.87E-08	1.37E-06	3.19E-07	8.05E-07	3.87E-08	1.16E-06	7.90E-08	1.44E-07	1.27E-08	2.35E-07	6.11E-08	7.99E-08	5.78E-09	1.47E-07
26	565578.8	4222825	5.70E-07	6.96E-07	3.67E-08	1.30E-06	3.02E-07	7.63E-07	3.67E-08	1.10E-06	7.49E-08	1.36E-07	1.20E-08	2.23E-07	5.79E-08	7.57E-08	5.48E-09	1.39E-07
27	565556.4	4222831	5.35E-07	6.54E-07	3.45E-08	1.22E-06	2.84E-07	7.17E-07	3.45E-08	1.04E-06	7.03E-08	1.28E-07	1.13E-08	2.09E-07	5.44E-08	7.11E-08	5.14E-09	1.31E-07
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29	565534	4222836	5.43E-07	6.63E-07	3.49E-08	1.24E-06	2.88E-07	7.27E-07	3.49E-08	1.05E-06	7.13E-08	1.29E-07	1.14E-08	2.12E-07	5.51E-08	7.21E-08	5.21E-09	1.32E-07
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31	565588.2	4222843	5.25E-07	6.41E-07	3.38E-08	1.20E-06	2.78E-07	7.03E-07	3.38E-08	1.02E-06	6.89E-08	1.25E-07	1.11E-08	2.05E-07	5.34E-08	6.97E-08	5.04E-09	1.28E-07
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33	565554.9	4222851	4.84E-07	5.92E-07	3.12E-08	1.11E-06	2.57E-07	6.49E-07	3.12E-08	9.37E-07	6.36E-08	1.16E-07	1.02E-08	1.89E-07	4.92E-08	6.44E-08	4.65E-09	1.18E-07
34	565543.8	4222854	5.11E-07	6.24E-07	3.29E-08	1.17E-06	2.71E-07	6.84E-07	3.29E-08	9.88E-07	6.71E-08	1.22E-07	1.08E-08	2.00E-07	5.19E-08	6.79E-08	4.91E-09	1.25E-07
35	565532.7	4222857	4.93E-07	6.02E-07	3.17E-08	1.13E-06	2.61E-07	6.60E-07	3.17E-08	9.53E-07	6.47E-08	1.18E-07	1.04E-08	1.93E-07	5.01E-08	6.55E-08	4.74E-09	1.20E-07
36	565599	4222839	5.48E-07	6.69E-07	3.53E-08	1.25E-06	2.90E-07	7.34E-07	3.53E-08	1.06E-06	7.20E-08	1.31E-07	1.15E-08	2.14E-07	5.57E-08	7.28E-08	5.26E-09	1.34E-07
37	565597.5	4222861	4.85E-07	5.93E-07	3.12E-08	1.11E-06	2.57E-07	6.50E-07	3.12E-08	9.38E-07	6.37E-08	1.16E-07	1.02E-08	1.90E-07	4.93E-08	6.45E-08	4.66E-09	1.18E-07
38	565586.1	4222863	4.70E-07	5.74E-07	3.02E-08	1.07E-06	2.49E-07	6.29E-07	3.02E-08	9.08E-07	6.17E-08	1.12E-07	9.89E-09	1.84E-07	4.77E-08	6.24E-08	4.51E-09	1.15E-07
39	565574.8	4222866	4.58E-07	5.59E-07	2.95E-08	1.05E-06	2.43E-07	6.13E-07	2.95E-08	8.85E-07	6.01E-08	1.09E-07	9.64E-09	1.79E-07	4.65E-08	6.08E-08	4.40E-09	1.12E-07
40	565552.2	4222872	4.37E-07	5.34E-07	2.81E-08	9.99E-07	2.32E-07	5.85E-07	2.81E-08	8.45E-07	5.74E-08	1.04E-07	9.21E-09	1.71E-07	4.44E-08	5.81E-08	4.20E-09	1.07E-07
41	565540.8	4222874	4.28E-07	5.23E-07	2.75E-08	9.78E-07	2.27E-07	5.73E-07	2.75E-08	8.27E-07	5.62E-08	1.02E-07	9.01E-09	1.67E-07	4.35E-08	5.68E-08	4.11E-09	1.04E-07
42	565608.3	4222856	5.06E-07	6.17E-07	3.25E-08	1.16E-06	2.68E-07	6.77E-07	3.25E-08	9.77E-07	6.64E-08	1.21E-07	1.06E-08	1.98E-07	5.14E-08	6.72E-08	4.86E-09	1.23E-07
43	565606.9	4222878	4.50E-07	5.50E-07	2.90E-08	1.03E-06	2.39E-07	6.03E-07	2.90E-08	8.70E-07	5.91E-08	1.07E-07	9.48E-09	1.76E-07	4.58E-08	5.98E-08	4.33E-09	1.10E-07
44	565595.7	4222881	4.37E-07	5.33E-07	2.81E-08	9.98E-07	2.31E-07	5.85E-07	2.81E-08	8.44E-07	5.73E-08	1.04E-07	9.19E-09	1.71E-07	4.44E-08	5.80E-08	4.19E-09	1.07E-07
45	565584.4	4222884	4.24E-07	5.18E-07	2.73E-08	9.70E-07	2.25E-07	5.68E-07	2.73E-08	8.20E-07	5.57E-08	1.01E-07	8.93E-09	1.66E-07	4.31E-08	5.64E-08	4.08E-09	1.04E-07
46	565562	4222889	4.05E-07	4.94E-07	2.61E-08	9.25E-07	2.15E-07	5.42E-07	2.61E-08	7.83E-07	5.32E-08	9.66E-08	8.53E-09	1.58E-07	4.11E-08	5.38E-08	3.89E-09	9.88E-08
47	565550.8	4222892	3.96E-07	4.84E-07	2.55E-08	9.06E-07	2.10E-07	5.31E-07	2.55E-08	7.66E-07	5.20E-08	9.45E-08	8.34E-09	1.55E-07	4.03E-08	5.26E-08	3.81E-09	9.67E-08
48	565539.5	4222895	3.90E-07	4.76E-07	2.51E-08	8.90E-07	2.07E-07	5.22E-07	2.51E-08	7.53E-07	5.12E-08	9.29E-08	8.20E-09	1.52E-07	3.96E-08	5.18E-08	3.74E-09	9.51E-08
49	565617.7	4222874	4.69E-07	5.73E-07	3.02E-08	1.07E-06	2.49E-07	6.28E-07	3.02E-08	9.07E-07	6.16E-08	1.12E-07	9.88E-09	1.83E-07	4.77E-08	6.23E-08	4.51E-09	1.14E-07
50	565560.6	4222910	3.69E-07	4.50E-07	2.37E-08	8.42E-07	1.95E-07	4.93E-07	2.37E-08	7.13E-07	4.84E-08	8.79E-08	7.76E-09	1.44E-07	3.75E-08	4.90E-08	3.54E-09	9.00E-08
51	565549.5	4222912	3.62E-07	4.42E-07	2.33E-08	8.27E-07	1.92E-07	4.85E-07	2.33E-08	7.00E-07	4.75E-08	8.64E-08	7.62E-09	1.42E-07	3.68E-08	4.81E-08	3.48E-09	8.83E-08
52	565538.4	4222915	3.57E-07	4.36E-07	2.30E-08	8.15E-07	1.89E-07	4.78E-07	2.30E-08	6.90E-07	4.68E-08	8.51E-08	7.51E-09	1.39E-07	3.62E-08	4.74E-08	3.43E-09	8.71E-08
53	565627.1	4222892	4.21E-07	5.14E-07	2.71E-08	9.63E-07	2.23E-07	5.64E-07	2.71E-08	8.14E-07	5.53E-08	1.00E-07	8.87E-09	1.65E-07	4.28E-08	5.60E-08	4.05E-09	1.03E-07
54	565625.6	4222914	3.74E-07	4.57E-07	2.41E-08	8.55E-07	1.98E-07	5.01E-07	2.41E-08	7.23E-07	4.91E-08	8.92E-08	7.87E-09	1.46E-07	3.80E-08	4.97E-08	3.59E-09	9.13E-08
55	565602.9	4222919	3.66E-07	4.48E-07	2.36E-08	8.37E-07	1.94E-07	4.91E-07	2.36E-08	7.08E-07	4.81E-08	8.74E-08	7.72E-09	1.43E-07	3.72E-08	4.87E-08	3.52E-09	8.94E-08
56	565591.6	4222922	3.58E-07	4.37E-07	2.30E-08	8.18E-07	1.90E-07	4.79E-07	2.30E-08	6.92E-07	4.70E-08	8.54E-08	7.54E-09	1.40E-07	3.64E-08	4.75E-08	3.44E-09	8.74E-08
57	565580.2	4222925	3.50E-07	4.28E-07	2.26E-08	8.01E-07	1.86E-07	4.69E-07	2.26E-08	6.78E-07	4.60E-08	8.36E-08	7.38E-09	1.37E-07	3.56E-08	4.66E-08	3.37E-09	8.55E-08
58	565557.6	4222930	3.38E-07	4.13E-07	2.18E-08	7.73E-07	1.79E-07	4.53E-07	2.18E-08	6.54E-07	4.44E-08	8.07E-08	7.12E-09	1.32E-07	3.44E-08	4.49E-08	3.25E-09	8.26E-08
59	565546.2	4222933	3.32E-07	4.06E-07	2.14E-08	7.60E-07	1.76E-07	4.45E-07	2.14E-08	6.43E-07	4.37E-08	7.93E-08	7.00E-09	1.30E-07	3.38E-08	4.42E-08	3.19E-09	8.12E-08
60	565534.9	4222936	3.26E-07	3.99E-07	2.10E-08	7.46E-07	1.73E-07	4.37E-07	2.10E-08	6.31E-07	4.29E-08	7.79E-08	6.87E-09	1.28E-07	3.32E-08	4.34E-08	3.14E-09	7.97E-08
61	565636.5	4222909	3.90E-07	4.77E-07	2.51E-08	8.93E-07	2.07E-07	5.23E-07	2.51E-08	7.55E-07	5.13E-08	9.32E-08	8.22E-09	1.53E-07	3.97E-08	5.19E-08	3.75E-09	9.53E-08
62	565635	4222931	3.48E-07	4.25E-07	2.24E-08	7.95E-07	1.84E-07	4.66E-07	2.24E-08	6.72E-07	4.57E-08	8.30E-08	7.32E-09	1.36E-07	3.53E-08	4.62E-08	3.34E-09	8.49E-08
63	565623.8	4222934	3.36E-07	4.11E-07	2.16E-08	7.69E-07	1.78E-07	4.50E-07	2.16E-08	6.50E-07	4.42E-08	8.02E-08	7.08E-09	1.31E-07	3.42E-08	4.47E-08	3.23E-09	8.21E-08
64	565612.5	4222937	3.37E-07	4.12E-07	2.17E-08	7.71E-07	1.79E-07	4.52E-07	2.17E-08	6.52E-07	4.43E-08	8.05E-08	7.10E-09	1.32E-07	3.43E-08	4.48E-08	3.24E-09	8.23E-08
65	565601.3	4222940	3.31E-07	4.05E-07	2.13E-08	7.58E-07	1.76E-07	4.44E-07	2.13E-08	6.41E-07	4.35E-08	7.91E-08	6.98E-09	1.30E-07	3.37E-08	4.40E-08	3.18E-09	8.09E-08
66	565590	4222942	3.26E-07	3.98E-07	2.10E-08	7.45E-07	1.73E-07	4.36E-07	2.10E-08	6.30E-07	4.28E-08	7.78E-08	6.86E-09	1.27E-07	3.31E-08	4.33E-08	3.13E-09	7.95E-08
67	565578.8	4222945	3.21E-07	3.92E-07	2.06E-08	7.33E-07	1.70E-07	4.29E-07	2.06E-08	6.20E-07	4.21E-08	7.65E-08	6.75E-09	1.25E-07	3.26E-08	4.26E-08	3.08E-09	7.83E-08
68	565556.3	4222951	3.12E-07	3.81E-07	2.01E-08	7.13E-07	1.65E-07	4.17E-07	2.01E-08	6.03E-07	4.09E-08	7.44E-08	6.57E-09	1.22E-07	3.17E-08	4.14E-08	3.00E-09	7.61E-08
69	565545	4222953	3.08E-07	3.76E-07	1.98E-08	7.03E-07	1.63E-07	4.12E-07	1.98E-08	5.95E-07	4.04E-08	7.34E-08	6.48E-09	1.20E-07	3.13E-08	4.09E-08	2.96E-09	7.51E-08
70	565533.8	4222956	3.04E-07	3.71E-07	1.96E-08	6.95E-07	1.61E-07	4.07E-07	1.96E-08	5.88E-07	3.99E-08	7.26E-08	6.40E-09	1.19E-07	3.09E-08	4.04E-08	2.92E-09	7.42E-08
71	565645.8	4222927	3.62E-07	4.42E-07	2.33E-08	8.28E-07	1.92E-07	4.85E-07	2.33E-08	7.00E-07	4.76E-08	8.64E-08	7.63E-09	1.42E-07	3.68E-08	4.81E-08	3.48E-09	8.84E-08
72	565644.3	4222949	3.26E-07	3.98E-07	2.10E-08	7.46E-07	1.73E-07	4.37E-07	2.10E-08	6.31E-07	4.28E-08	7.78E-08	6.87E-09	1.28E-07	3.32E-08	4.33E-08	3.13E-09	7.96E-08
73	565632.9	4222952	3.16E-07	3.86E-07	2.04E-08	7.23E-07	1.68E-07	4.23E-07	2.04E-08	6.11E-07	4.15E-08	7.54E-08	6.66E-09	1.24E-07	3.21E-08	4.20E-08	3.04E-09	7.72E-08
74	565621.4	4222955	3.07E-07	3.75E-07	1.98E-08	7.02E-07	1.63E-07	4.11E-07	1.98E-08	5.94E-07	4.03E-08	7.33E-08	6.47E-09	1.20E-07	3.12E-08	4.08E-08	2.95E-09	7.50E-08
75	565610	4222957	3.10E-07	3.78E-07	1.99E-08	7.07E-07	1.64E-07	4.14E-07	1.99E-08	5.98E-07	4.06E-08	7.38E-08	6.52E-09	1.21E-07	3.15E-08	4.11E-08	2.97E-09	7.55E-08
76	565598.6	4222960	3.04E-07	3.71E-07	1.96E-08	6.94E-07	1.61E-07	4.07E-07	1.96E-08	5.87E-07	3.99E-08	7.25E-08	6.40E-09	1.19E-07	3.09E-08	4.04E-08	2.92E-09	7.42E-08
77	565587.1	4222963	2.98E-07	3.65E-07	1.92E-08	6.82E-07	1.58E-07	4.00E-07	1.92E-08	5.77E-07	3.92E-08	7.12E-08	6.29E-09	1.17E-07	3.03E-08	3.96E-08	2.87E-09	7.28E-08
78	565575.7	4222966	2.94E-07	3.59E-07	1.89E-08	6.73E-07	1.56E-07	3.94E-07	1.89E-08	5.69E-07	3.87E-08	7.02E-08	6.20E-09	1.15E-07	2.99E-08	3.91E-08	2.83E-09	7.18E-08
79	565552.8	4222971	2.89E-07	3.53E-07	1.86E-08	6.60E-07	1.53E-07	3.86E-07	1.86E-08	5.58E-07	3.79E-08	6.89E-08	6.08E-09	1.13E-07	2.93E-08	3.83E-08	2.77E-09	7.05E-08
80	565541.4	4222974	2.87E-07	3.50E-07	1.85E-08	6.56E-07	1.52E-07	3.84E-07	1.85E-08	5.55E-07	3.77E-08	6.84E-08	6.04E-09	1.12E-07	2.91E-08	3.81E-08	2.76E-09	7.00E-08
81	565530	4222977	2.85E-07	3.48E-07	1.83E-08	6.51E-07	1.51E-07	3.81E-07	1.83E-08	5.50E-07	3.74E-08	6.79E-08	6.00E-09	1.11E-07	2.89E-08	3.78E-08	2.74E-09	6.95E-08
82	565655.2	4222945	3.38E-07	4.12E-07	2.17E-08	7.72E-07	1.79E-07	4.52E-07	2.17E-08	6.53E-07	4.43E-08	8.05E-08	7.11E-09	1.32E-07	3.43E-08	4.48E-08	3.24E-09	8.24E-08
83	565642.4	4222969	2.99E-07	3.65E-07	1.92E-08	6.83E-07	1.59E-07	4.00E-07	1.92E-08	5.78E-07	3.93E-08	7.13E-08	6.30E-09	1.17E-07	3.04E-08	3.97E-08	2.87E-09	7.30E-08
84	565631	4222972	2.91E-07	3.56E-07	1.87E-08	6.66E-07	1.54E-07	3.90E-07	1.87E-08	5.63E-07	3.82E-08	6.95E-08	6.13E-09	1.14E-07	2.96E-08	3.87E-08	2.80E-09	7.11E-08
85	565619.7	4222975	2.84E-07	3.47E-07	1.83E-08	6.50E-07	1.51E-07	3.81E-07	1.83E-08	5.49E-07	3.73E-08	6.78E-08	5.99E-09	1.11E-07	2.89E-08	3.78E-08	2.73E-09	6.94E-08
86	565608.3	4222978	2.86E-07	3.49E-07	1.84E-08	6.54E-07	1.52E-07	3.83E-07	1.84E-08	5.53E-07	3.76E-08	6.83E-08	6.03E-09	1.12E-07	2.91E-08	3.80E-08	2.75E-09	6.98E-08
87	565597	4222981	2.82E-07	3.45E-07	1.82E-08	6.45E-07	1.50E-07	3.78E-07	1.82E-08	5.46E-07	3.71E-08	6.73E-08	5.94E-09	1.10E-07	2.87E-08	3.75E-08	2.71E-09	6.89E-08
88	565585.6	4222983	2.79E-07	3.41E-07	1.79E-08	6.37E-07	1.48E-07	3.73E-07	1.79E-08	5.39E-07	3.66E-08	6.65E-08	5.87E-09	1.09E-07	2.83E-08	3.70E-08	2.68E-09	6.81E-08
89	565551.6	4222992	2.72E-07	3.32E-07	1.75E-08	6.21E-07	1.44E-07	3.64E-07	1.75E-08	5.26E-07	3.57E-08	6.49E-08	5.72E-09	1.06E-07	2.76E-08	3.61E-08	2.61E-09	6.63E-08
90	565540.3	4222994	2.70E-07	3.30E-07	1.74E-08	6.18E-07	1.43E-07	3.62E-07	1.74E-08	5.22E-07	3.55E-08	6.45E-08	5.69E-09	1.06E-07	2.75E-08	3.59E-08	2.60E-09	6.60E-08
91	565528.9	4222997	2.68E-07	3.28E-07	1.73E-08	6.13E-07	1.42E-07	3.59E-07	1.73E-08	5.19E-07	3.52E-08	6.40E-08	5.65E-09	1.05E-07	2.73E-08	3.57E-08	2.58E-09	6.55E-08
92	565663.1	4222984	2.94E-07	3.59E-07	1.89E-08	6.71E-07	1.56E-07	3.93E-07	1.89E-08	5.68E-07	3.85E-08	7.00E-08	6.18E-09	1.15E-07	2.98E-08	3.90E-08	2.82E-09	7.16E-08
93	565651.9	4222987	2.86E-07	3.49E-07	1.84E-08	6.53E-07	1.51E-07	3.82E-07	1.84E-08	5.52E-07	3.75E-08	6.81E-08	6.01E-09	1.12E-07	2.90E-08	3.79E-08	2.74E-09	6.97E-08
94	565640.6	4222990	2.78E-07	3.40E-07	1.79E-08	6.36E-07	1.48E-07	3.73E-07	1.79E-08	5.38E-07	3.65E-08	6.64E-08	5.86E-09	1.09E-07	2.83E-08	3.70E-08	2.67E-09	6.79E-08
95	565629.3	4222993	2.72E-07	3.32E-07	1.75E-08	6.21E-07	1.44E-07	3.64E-07	1.75E-08	5.25E-07	3.57E-08	6.48E-08	5.72E-09	1.06E-07	2.76E-08	3.61E-08	2.61E-09	6.63E-08
96	565618.1	4222995	2.66E-07	3.25E-07	1.71E-08	6.08E-07	1.41E-07	3.56E-07	1.71E-08	5.14E-07	3.49E-08	6.35E-08	5.60E-09	1.04E-07	2.70E-08	3.53E-08	2.56E-09	6.49E-08
97	565606.8	4222998	2.67E-07	3.26E-07	1.72E-08	6.10E-07	1.41E-07	3.57E-07	1.72E-08	5.16E-07	3.50E-08	6.36E-08	5.62E-09	1.04E-07	2.71E-08	3.54E-08	2.56E-09	6.51E-08
98	565595.5	4223001	2.65E-07	3.23E-07	1.70E-08	6.05E-07	1.40E-07	3.54E-07	1.70E-08	5.12E-07	3.48E-08	6.31E-08	5.57E-09	1.03E-07	2.69E-08	3.52E-08	2.54E-09	6.46E-08
99	565584.3	4223004	2.62E-07	3.21E-07	1.69E-08	6.00E-07	1.39E-07	3.51E-07	1.69E-08	5.07E-07	3.45E-08	6.26E-08	5.53E-09	1.03E-07	2.67E-08	3.49E-08	2.52E-09	6.41E-08
100	565561.7	4223009	2.59E-07	3.17E-07	1.67E-08	5.93E-07	1.37E-07	3.47E-07	1.67E-08	5.01E-07	3.41E-08	6.19E-08	5.46E-09	1.01E-07	2.64E-08	3.44E-08	2.49E-09	6.33E-08
101	565550.5	4223012	2.58E-07	3.15E-07	1.66E-08	5.89E-07	1.37E-07	3.45E-07	1.66E-08	4.99E-07	3.39E-08	6.15E-08	5.43E-09	1.01E-07	2.62E-08	3.43E-08	2.48E-09	6.29E-08
102	565539.2	4223015	2.57E-07	3.13E-07	1.65E-08	5.86E-07	1.36E-07	3.43E-07	1.65E-08	4.96E-07	3.37E-08	6.12E-08	5.40E-09	1.00E-07	2.61E-08	3.41E-08	2.46E-09	6.26E-08
103	565527.9	4223017	2.55E-07	3.11E-07	1.64E-08	5.82E-07	1.35E-07	3.41E-07	1.64E-08	4.93E-07	3.35E-08	6.08E-08	5.37E-09	9.96E-08	2.59E-08	3.39E-08	2.45E-09	6.22E-08
104	565674	4222980	3.04E-07	3.71E-07	1.95E-08	6.94E-07	1.61E-07	4.07E-07	1.95E-08	5.87E-07	3.99E-08	7.24E-08	6.39E-09	1.19E-07	3.09E-08	4.03E-08	2.92E-09	7.41E-08
105	565672.4	4223002	2.81E-07	3.43E-07	1.81E-08	6.43E-07	1.49E-07	3.76E-07	1.81E-08	5.44E-07	3.69E-08	6.71E-08	5.92E-09	1.10E-07	2.86E-08	3.73E-08	2.70E-09	6.86E-08
106	565661	4223005	2.74E-07	3.35E-07	1.76E-08	6.26E-07	1.45E-07	3.67E-07	1.76E-08	5.30E-07	3.60E-08	6.54E-08	5.77E-09	1.07E-07	2.78E-08	3.64E-08	2.63E-09	6.69E-08
107	565649.6	4223008	2.67E-07	3.27E-07	1.72E-08	6.11E-07	1.42E-07	3.58E-07	1.72E-08	5.17E-07	3.51E-08	6.38E-08	5.63E-09	1.05E-07	2.72E-08	3.55E-08	2.57E-09	6.53E-08

108	565638.1	4223010	2.62E-07	3.20E-07	1.68E-08	5.98E-07	1.39E-07	3.50E-07	1.68E-08	5.06E-07	3.44E-08	6.24E-08	5.51E-09	1.02E-07	2.66E-08	3.48E-08	2.51E-09	6.39E-08
109	565626.7	4223013	2.56E-07	3.13E-07	1.65E-08	5.86E-07	1.36E-07	3.43E-07	1.65E-08	4.96E-07	3.37E-08	6.12E-08	5.40E-09	1.00E-07	2.61E-08	3.41E-08	2.46E-09	6.26E-08
110	565615.3	4223016	2.55E-07	3.12E-07	1.64E-08	5.84E-07	1.35E-07	3.42E-07	1.64E-08	4.94E-07	3.36E-08	6.10E-08	5.38E-09	9.99E-08	2.60E-08	3.39E-08	2.45E-09	6.24E-08
111	565603.8	4223019	2.53E-07	3.08E-07	1.63E-08	5.77E-07	1.34E-07	3.38E-07	1.63E-08	4.88E-07	3.32E-08	6.03E-08	5.32E-09	9.87E-08	2.57E-08	3.36E-08	2.43E-09	6.16E-08
112	565592.4	4223022	2.50E-07	3.05E-07	1.61E-08	5.71E-07	1.32E-07	3.35E-07	1.61E-08	4.83E-07	3.28E-08	5.96E-08	5.26E-09	9.77E-08	2.54E-08	3.32E-08	2.40E-09	6.10E-08
113	565581	4223024	2.48E-07	3.03E-07	1.59E-08	5.66E-07	1.31E-07	3.32E-07	1.59E-08	4.79E-07	3.25E-08	5.91E-08	5.22E-09	9.68E-08	2.52E-08	3.29E-08	2.38E-09	6.05E-08
114	565558.1	4223030	2.46E-07	3.01E-07	1.59E-08	5.63E-07	1.31E-07	3.30E-07	1.59E-08	4.77E-07	3.24E-08	5.88E-08	5.19E-09	9.64E-08	2.50E-08	3.27E-08	2.37E-09	6.02E-08
115	565546.7	4223033	2.45E-07	3.00E-07	1.58E-08	5.61E-07	1.30E-07	3.28E-07	1.58E-08	4.74E-07	3.22E-08	5.85E-08	5.17E-09	9.59E-08	2.49E-08	3.26E-08	2.36E-09	5.99E-08
116	565535.3	4223036	2.44E-07	2.98E-07	1.57E-08	5.57E-07	1.29E-07	3.26E-07	1.57E-08	4.71E-07	3.20E-08	5.82E-08	5.13E-09	9.53E-08	2.48E-08	3.24E-08	2.34E-09	5.95E-08
117	565683.3	4222998	2.88E-07	3.52E-07	1.86E-08	6.59E-07	1.53E-07	3.86E-07	1.86E-08	5.58E-07	3.79E-08	6.88E-08	6.08E-09	1.13E-07	2.93E-08	3.83E-08	2.77E-09	7.04E-08
118	565681.8	4223020	2.70E-07	3.30E-07	1.74E-08	6.17E-07	1.43E-07	3.62E-07	1.74E-08	5.22E-07	3.55E-08	6.44E-08	5.69E-09	1.06E-07	2.75E-08	3.59E-08	2.60E-09	6.59E-08
119	565670.5	4223022	2.65E-07	3.23E-07	1.70E-08	6.05E-07	1.40E-07	3.54E-07	1.70E-08	5.11E-07	3.47E-08	6.31E-08	5.57E-09	1.03E-07	2.69E-08	3.51E-08	2.54E-09	6.46E-08
120	565659.1	4223025	2.58E-07	3.16E-07	1.66E-08	5.91E-07	1.37E-07	3.46E-07	1.66E-08	5.00E-07	3.39E-08	6.17E-08	5.44E-09	1.01E-07	2.63E-08	3.43E-08	2.48E-09	6.31E-08
121	565647.8	4223028	2.53E-07	3.09E-07	1.63E-08	5.78E-07	1.34E-07	3.39E-07	1.63E-08	4.89E-07	3.32E-08	6.04E-08	5.33E-09	9.89E-08	2.57E-08	3.36E-08	2.43E-09	6.17E-08
122	565636.4	4223031	2.48E-07	3.03E-07	1.60E-08	5.67E-07	1.31E-07	3.32E-07	1.60E-08	4.80E-07	3.26E-08	5.92E-08	5.22E-09	9.70E-08	2.52E-08	3.29E-08	2.38E-09	6.05E-08
123	565625.1	4223034	2.44E-07	2.97E-07	1.57E-08	5.57E-07	1.29E-07	3.26E-07	1.57E-08	4.71E-07	3.20E-08	5.81E-08	5.13E-09	9.52E-08	2.48E-08	3.24E-08	2.34E-09	5.95E-08
124	565613.7	4223036	2.43E-07	2.97E-07	1.56E-08	5.55E-07	1.29E-07	3.25E-07	1.56E-08	4.69E-07	3.19E-08	5.79E-08	5.11E-09	9.49E-08	2.47E-08	3.23E-08	2.33E-09	5.93E-08
125	565602.4	4223039	2.41E-07	2.94E-07	1.55E-08	5.50E-07	1.28E-07	3.22E-07	1.55E-08	4.65E-07	3.16E-08	5.74E-08	5.07E-09	9.41E-08	2.45E-08	3.20E-08	2.31E-09	5.87E-08
126	565591	4223042	2.39E-07	2.92E-07	1.54E-08	5.46E-07	1.27E-07	3.20E-07	1.54E-08	4.62E-07	3.14E-08	5.70E-08	5.03E-09	9.34E-08	2.43E-08	3.17E-08	2.29E-09	5.83E-08
127	565579.7	4223045	2.38E-07	2.90E-07	1.53E-08	5.43E-07	1.26E-07	3.18E-07	1.53E-08	4.59E-07	3.12E-08	5.67E-08	5.00E-09	9.29E-08	2.41E-08	3.16E-08	2.28E-09	5.80E-08
128	565557	4223050	2.36E-07	2.88E-07	1.52E-08	5.40E-07	1.25E-07	3.16E-07	1.52E-08	4.56E-07	3.10E-08	5.63E-08	4.97E-09	9.23E-08	2.40E-08	3.14E-08	2.27E-09	5.76E-08
129	565545.6	4223053	2.35E-07	2.86E-07	1.51E-08	5.36E-07	1.24E-07	3.14E-07	1.51E-08	4.53E-07	3.08E-08	5.60E-08	4.94E-09	9.17E-08	2.38E-08	3.12E-08	2.25E-09	5.72E-08
130	565534.3	4223056	2.32E-07	2.84E-07	1.50E-08	5.31E-07	1.23E-07	3.11E-07	1.50E-08	4.49E-07	3.05E-08	5.55E-08	4.90E-09	9.09E-08	2.36E-08	3.09E-08	2.23E-09	5.67E-08
131	565692.7	4223015	2.77E-07	3.38E-07	1.78E-08	6.33E-07	1.47E-07	3.71E-07	1.78E-08	5.35E-07	3.64E-08	6.60E-08	5.83E-09	1.08E-07	2.81E-08	3.68E-08	2.66E-09	6.76E-08
132	565691.3	4223037	2.60E-07	3.18E-07	1.68E-08	5.95E-07	1.38E-07	3.49E-07	1.68E-08	5.04E-07	3.42E-08	6.21E-08	5.49E-09	1.02E-07	2.65E-08	3.46E-08	2.50E-09	6.36E-08
133	565680	4223040	2.55E-07	3.12E-07	1.64E-08	5.83E-07	1.35E-07	3.42E-07	1.64E-08	4.93E-07	3.35E-08	6.09E-08	5.37E-09	9.98E-08	2.59E-08	3.39E-08	2.45E-09	6.23E-08
134	565668.7	4223043	2.50E-07	3.05E-07	1.61E-08	5.71E-07	1.32E-07	3.34E-07	1.61E-08	4.83E-07	3.28E-08	5.96E-08	5.26E-09	9.77E-08	2.54E-08	3.32E-08	2.40E-09	6.10E-08
135	565657.4	4223046	2.45E-07	2.99E-07	1.57E-08	5.59E-07	1.30E-07	3.27E-07	1.57E-08	4.73E-07	3.21E-08	5.84E-08	5.15E-09	9.56E-08	2.49E-08	3.25E-08	2.35E-09	5.97E-08
136	565646.1	4223048	2.40E-07	2.93E-07	1.54E-08	5.48E-07	1.27E-07	3.21E-07	1.54E-08	4.64E-07	3.15E-08	5.72E-08	5.05E-09	9.38E-08	2.44E-08	3.19E-08	2.30E-09	5.86E-08
137	565634.9	4223051	2.36E-07	2.88E-07	1.52E-08	5.39E-07	1.25E-07	3.16E-07	1.52E-08	4.56E-07	3.10E-08	5.62E-08	4.96E-09	9.22E-08	2.40E-08	3.13E-08	2.26E-09	5.75E-08
138	565623.6	4223054	2.32E-07	2.83E-07	1.49E-08	5.30E-07	1.23E-07	3.10E-07	1.49E-08	4.48E-07	3.05E-08	5.53E-08	4.88E-09	9.07E-08	2.36E-08	3.08E-08	2.23E-09	5.66E-08
139	565612.3	4223057	2.32E-07	2.83E-07	1.49E-08	5.29E-07	1.23E-07	3.10E-07	1.49E-08	4.48E-07	3.04E-08	5.52E-08	4.88E-09	9.05E-08	2.35E-08	3.08E-08	2.22E-09	5.65E-08
140	565601	4223059	2.30E-07	2.81E-07	1.48E-08	5.27E-07	1.22E-07	3.08E-07	1.48E-08	4.45E-07	3.03E-08	5.50E-08	4.85E-09	9.01E-08	2.34E-08	3.06E-08	2.21E-09	5.62E-08
141	565589.7	4223062	2.29E-07	2.80E-07	1.47E-08	5.24E-07	1.21E-07	3.07E-07	1.47E-08	4.43E-07	3.01E-08	5.47E-08	4.83E-09	8.96E-08	2.33E-08	3.04E-08	2.20E-09	5.59E-08
142	565578.4	4223065	2.28E-07	2.78E-07	1.47E-08	5.21E-07	1.21E-07	3.05E-07	1.47E-08	4.41E-07	2.99E-08	5.44E-08	4.80E-09	8.92E-08	2.32E-08	3.03E-08	2.19E-09	5.57E-08
143	565555.9	4223070	2.26E-07	2.75E-07	1.45E-08	5.15E-07	1.20E-07	3.02E-07	1.45E-08	4.36E-07	2.96E-08	5.38E-08	4.75E-09	8.82E-08	2.29E-08	3.00E-08	2.17E-09	5.50E-08
144	565544.6	4223073	2.23E-07	2.73E-07	1.44E-08	5.11E-07	1.18E-07	2.99E-07	1.44E-08	4.32E-07	2.93E-08	5.33E-08	4.70E-09	8.73E-08	2.27E-08	2.97E-08	2.15E-09	5.45E-08
145	565533.3	4223076	2.21E-07	2.70E-07	1.42E-08	5.05E-07	1.17E-07	2.96E-07	1.42E-08	4.27E-07	2.90E-08	5.27E-08	4.65E-09	8.64E-08	2.25E-08	2.94E-08	2.12E-09	5.39E-08
146	565702.1	4223033	2.67E-07	3.26E-07	1.72E-08	6.10E-07	1.41E-07	3.57E-07	1.72E-08	5.16E-07	3.50E-08	6.37E-08	5.62E-09	1.04E-07	2.71E-08	3.54E-08	2.56E-09	6.51E-08
147	565529.9	4222867	4.68E-07	5.71E-07	3.01E-08	1.07E-06	2.48E-07	6.26E-07	3.01E-08	9.04E-07	6.14E-08	1.12E-07	9.85E-09	1.83E-07	4.75E-08	6.21E-08	4.49E-09	1.14E-07
148	565535.7	4222886	4.04E-07	4.93E-07	2.60E-08	9.23E-07	2.14E-07	5.41E-07	2.60E-08	7.81E-07	5.30E-08	9.64E-08	8.51E-09	1.58E-07	4.10E-08	5.37E-08	3.88E-09	9.86E-08
149	565541.5	4222906	3.72E-07	4.54E-07	2.39E-08	8.50E-07	1.97E-07	4.98E-07	2.39E-08	7.19E-07	4.88E-08	8.87E-08	7.83E-09	1.45E-07	3.78E-08	4.94E-08	3.57E-09	9.08E-08
150	565548.9	4222924	3.45E-07	4.21E-07	2.22E-08	7.88E-07	1.83E-07	4.62E-07	2.22E-08	6.67E-07	4.53E-08	8.23E-08	7.26E-09	1.35E-07	3.50E-08	4.58E-08	3.31E-09	8.42E-08
151	565593.6	4223078	2.22E-07	2.71E-07	1.43E-08	5.08E-07	1.18E-07	2.97E-07	1.43E-08	4.29E-07	2.92E-08	5.30E-08	4.68E-09	8.68E-08	2.26E-08	2.95E-08	2.13E-09	5.42E-08
152	565549.1	4222507	1.00E-05	1.22E-05	6.44E-07	2.29E-05	5.31E-06	1.34E-05	6.44E-07	1.93E-05	1.31E-06	2.39E-06	2.11E-07	3.91E-06	1.02E-06	1.33E-06	9.62E-08	2.44E-06
153	565543.1	4222521	8.83E-06	1.08E-05	5.68E-07	2.02E-05	4.68E-06	1.18E-05	5.68E-07	1.71E-05	1.16E-06	2.11E-06	1.86E-07	3.45E-06	8.97E-07	1.17E-06	8.48E-08	2.15E-06
154	565552.3	4222491	1.14E-05	1.40E-05	7.36E-07	2.61E-05	6.06E-06	1.53E-05	7.36E-07	2.21E-05	1.50E-06	2.73E-06	2.41E-07	4.47E-06	1.16E-06	1.52E-06	1.10E-07	2.79E-06
155	565552.5	4222482	1.23E-05	1.50E-05	7.93E-07	2.82E-05	6.53E-06	1.65E-05	7.93E-07	2.38E-05	1.62E-06	2.94E-06	2.59E-07	4.82E-06	1.25E-06	1.64E-06	1.18E-07	3.01E-06
156	565552.7	4222473	1.32E-05	1.61E-05	8.50E-07	3.02E-05	7.00E-06	1.77E-05	8.50E-07	2.55E-05	1.73E-06	3.15E-06	2.78E-07	5.16E-06	1.34E-06	1.75E-06	1.27E-07	3.22E-06
157	565558.3	4222509	9.43E-06	1.15E-05	6.07E-07	2.16E-05	5.00E-06	1.26E-05	6.07E-07	1.82E-05	1.24E-06	2.25E-06	1.99E-07	3.69E-06	9.59E-07	1.25E-06	9.06E-08	2.30E-06
158	565551.1	4222525	8.20E-06	1.00E-05	5.28E-07	1.87E-05	4.35E-06	1.10E-05	5.28E-07	1.59E-05	1.08E-06	1.96E-06	1.73E-07	3.21E-06	8.33E-07	1.09E-06	7.88E-08	2.00E-06
159	565547.5	4222533	7.54E-06	9.21E-06	4.85E-07	1.72E-05	4.00E-06	1.01E-05	4.85E-07	1.46E-05	9.90E-07	1.80E-06	1.59E-07	2.95E-06	7.66E-07	1.00E-06	7.25E-08	1.84E-06
160	565561.9	4222501	9.98E-06	1.22E-05	6.43E-07	2.28E-05	5.29E-06	1.34E-05	6.43E-07	1.93E-05	1.31E-06	2.38E-06	2.10E-07	3.90E-06	1.01E-06	1.33E-06	9.59E-08	2.44E-06
161	565562.1	4222492	1.08E-05	1.31E-05	6.93E-07	2.46E-05	5.70E-06	1.44E-05	6.93E-07	2.08E-05	1.41E-06	2.57E-06	2.27E-07	4.21E-06	1.09E-06	1.43E-06	1.03E-07	2.63E-06
162	565562.3	4222483	1.15E-05	1.41E-05	7.42E-07	2.64E-05	6.12E-06	1.54E-05	7.42E-07	2.23E-05	1.52E-06	2.75E-06	2.43E-07	4.51E-06	1.17E-06	1.53E-06	1.11E-07	2.82E-06
163	565562.6	4222473	1.23E-05	1.50E-05	7.92E-07	2.81E-05	6.53E-06	1.65E-05	7.92E-07	2.38E-05	1.62E-06	2.94E-06	2.59E-07	4.81E-06	1.25E-06	1.64E-06	1.18E-07	3.00E-06
164	565568.2	4222509	9.02E-06	1.10E-05	5.80E-07	2.06E-05	4.78E-06	1.21E-05	5.80E-07	1.74E-05	1.18E-06	2.15E-06	1.90E-07	3.53E-06	9.16E-07	1.20E-06	8.66E-08	2.20E-06
165	565561.3	4222525	7.98E-06	9.75E-06	5.14E-07	1.82E-05	4.23E-06	1.07E-05	5.14E-07	1.54E-05	1.05E-06	1.90E-06	1.68E-07	3.12E-06	8.11E-07	1.06E-06	7.67E-08	1.95E-06
166	565554.3	4222541	6.85E-06	8.37E-06	4.41E-07	1.57E-05	3.63E-06	9.18E-06	4.41E-07	1.33E-05	9.00E-07	1.64E-06	1.44E-07	2.68E-06	6.97E-07	9.10E-07	6.59E-08	1.67E-06
167	565542.7	4222552	6.07E-06	7.41E-06	3.91E-07	1.39E-05	3.22E-06	8.13E-06	3.91E-07	1.17E-05	7.97E-07	1.45E-06	1.28E-07	2.37E-06	6.17E-07	8.06E-07	5.83E-08	1.48E-06
168	565572	4222492	1.02E-05	1.24E-05	6.54E-07	2.32E-05	5.39E-06	1.36E-05	6.54E-07	1.97E-05	1.33E-06	2.42E-06	2.14E-07	3.97E-06	1.03E-06	1.35E-06	9.76E-08	2.48E-06
169	565572.2	4222483	1.08E-05	1.32E-05	6.98E-07	2.48E-05	5.75E-06	1.45E-05	6.98E-07	2.10E-05	1.42E-06	2.59E-06	2.28E-07	4.24E-06	1.10E-06	1.44E-06	1.04E-07	2.65E-06
170	565572.4	4222474	1.15E-05	1.41E-05	7.42E-07	2.63E-05	6.11E-06	1.54E-05	7.42E-07	2.23E-05	1.51E-06	2.75E-06	2.43E-07	4.51E-06	1.17E-06	1.53E-06	1.11E-07	2.81E-06
171	565578.1	4222509	8.62E-06	1.05E-05	5.55E-07	1.97E-05	4.57E-06	1.15E-05	5.55E-07	1.67E-05	1.13E-06	2.06E-06	1.82E-07	3.37E-06	8.76E-07	1.15E-06	8.29E-08	2.11E-06
172	565571.3	4222525	7.74E-06	9.46E-06	4.98E-07	1.77E-05	4.11E-06	1.04E-05	4.98E-07	1.50E-05	1.02E-06	1.85E-06	1.63E-07	3.03E-06	7.87E-07	1.03E-06	7.44E-08	1.89E-06
173	565564.5	4222540	6.77E-06	8.27E-06	4.36E-07	1.55E-05	3.59E-06	9.07E-06	4.36E-07	1.31E-05	8.89E-07	1.62E-06	1.43E-07	2.65E-06	6.88E-07	9.00E-07	6.51E-08	1.65E-06
174	565549.7	4222559	5.58E-06	6.81E-06	3.59E-07	1.28E-05	2.96E-06	7.47E-06	3.59E-07	1.08E-05	7.33E-07	1.33E-06	1.18E-07	2.18E-06	5.67E-07	7.41E-07	5.36E-08	1.36E-06
175	565581.8	4222492	9.62E-06	1.18E-05	6.19E-07	2.20E-05	5.10E-06	1.29E-05	6.19E-07	1.86E-05	1.26E-06	2.30E-06	2.03E-07	3.76E-06	9.78E-07	1.28E-06	9.25E-08	2.35E-06
176	565582	4222483	1.02E-05	1.25E-05	6.58E-07	2.34E-05	5.42E-06	1.37E-05	6.58E-07	1.98E-05	1.34E-06	2.44E-06	2.15E-07	4.00E-06	1.04E-06	1.36E-06	9.83E-08	2.50E-06
177	565582.2	4222474	1.08E-05	1.32E-05	6.97E-07	2.47E-05	5.74E-06	1.45E-05	6.97E-07	2.09E-05	1.42E-06	2.58E-06	2.28E-07	4.23E-06	1.10E-06	1.44E-06	1.04E-07	2.64E-06
178	565581.3	4222524	7.49E-06	9.15E-06	4.82E-07	1.71E-05	3.97E-06	1.00E-05	4.82E-07	1.45E-05	9.84E-07	1.79E-06	1.58E-07	2.93E-06	7.62E-07	9.96E-07	7.20E-08	1.83E-06
179	565574.6	4222540	6.65E-06	8.13E-06	4.28E-07	1.52E-05	3.53E-06	8.91E-06	4.28E-07	1.29E-05	8.74E-07	1.59E-06	1.40E-07	2.60E-06	6.76E-07	8.84E-07	6.39E-08	1.62E-06
180	565567.8	4222555	5.77E-06	7.05E-06	3.71E-07	1.32E-05	3.06E-06	7.73E-06	3.71E-07	1.12E-05	7.58E-07	1.38E-06	1.22E-07	2.26E-06	5.87E-07	7.67E-07	5.55E-08	1.41E-06
181	565556.6	4222566	5.16E-06	6.30E-06	3.32E-07	1.18E-05	2.73E-06	6.90E-06	3.32E-07	9.97E-06	6.77E-07	1.23E-06	1.09E-07	2.02E-06	5.24E-07	6.85E-07	4.95E-08	1.26E-06
182	565541	4222572	4.73E-06	5.78E-06	3.05E-07	1.08E-05	2.51E-06	6.34E-06	3.05E-07	9.15E-06	6.22E-07	1.13E-06	9.97E-08	1.85E-06	4.81E-07	6.29E-07	4.55E-08	1.16E-06
183	565577.9	4222555	5.73E-06	7.00E-06	3.69E-07	1.31E-05	3.04E-06	7.67E-06	3.69E-07	1.11E-05	7.53E-07	1.37E-06	1.21E-07	2.24E-06	5.82E-07	7.61E-07	5.51E-08	1.40E-06
184	565563.6	4222573	4.78E-06	5.84E-06	3.08E-07	1.09E-05	2.54E-06	6.41E-06	3.08E-07	9.25E-06	6.28E-07	1.14E-06	1.01E-07	1.87E-06	4.86E-07	6.36E-07	4.60E-08	1.17E-06
185	565548.2	4222579	4.40E-06	5.38E-06	2.83E-07	1.01E-05	2.33E-06	5.89E-06	2.83E-07	8.51E-06	5.78E-07	1.05E-06	9.27E-08	1.72E-06	4.47E-07	5.85E-07	4.23E-08	1.07E-06
186	565601.5	4222493	8.67E-06	1.06E-05	5.58E-07	1.98E-05	4.60E-06	1.16E-05	5.58E-07	1.68E-05	1.14E-06	2.07E-06	1.83E-07	3.39E-06	8.81E-07	1.15E-06	8.33E-08	2.12E-06
187	565607.8	4222509	7.57E-06	9.25E-06	4.88E-07	1.73E-05	4.02E-06	1.01E-05	4.88E-07	1.46E-05	9.95E-07	1.81E-06	1.60E-07	2.96E-06	7.70E-07	1.01E-06	7.28E-08	1.85E-06
188	565601.2	4222524	7.00E-06	8.55E-06	4.51E-07	1.60E-05	3.71E-06	9.37E-06	4.51E-07	1.35E-05	9.19E-07	1.67E-06	1.47E-07	2.74E-06	7.11E-07	9.30E-07	6.73E-08	1.71E-06
189	565570.5	4222580	4.46E-06	5.44E-06	2.87E-07	1.02E-05	2.36E-06	5.97E-06	2.87E-07	8.62E-06	5.85E-07	1.06E-06	9.38E-08	1.74E-06	4.53E-07	5.92E-07	4.28E-08	1.09E-06
190	565555.2	4222586	4.11E-06	5.02E-06	2.64E-07	9.39E-06	2.18E-06	5.50E-06	2.64E-07	7.95E-06	5.40E-07	9.80E-07	8.65E-08	1.61E-06	4.18E-07	5.46E-07	3.95E-08	1.00E-06
191	565540	4222592	3.72E-06	4.54E-06	2.39E-07	8.50E-06	1.97E-06	4.98E-06	2.39E-07	7.19E-06	4.88E-07	8.87E-07	7.83E-08	1.45E-06	3.78E-07	4.94E-07	3.57E-08	9.07E-07
192	565611.3	4222493	8.25E-06	1.01E-05	5.31E-07	1.89E-05	4.37E-06	1.10E-05	5.31E-07	1.60E-05	1.08E-06	1.97E-06	1.74E-07	3.23E-06	8.38E-07	1.10E-06	7.93E-08	2.01E-06
193	565611.5	4222484	8.67E-06	1.06E-05	5.58E-07	1.98E-05	4.60E-06	1.16E-05	5.58E-07	1.68E-05	1.14E-06	2.07E-06	1.83E-07	3.39E-06	8.81E-07	1.15E-06	8.33E-08	2.12E-06
194	565611.7	4222475	9.08E-06	1.11E-05	5.85E-07	2.08E-05	4.82E-06	1.22E-05	5.85E-07	1.76E-05	1.19E-06	2.17E-06	1.91E-07	3.55E-06	9.23E-07	1.21E-06	8.73E-08	2.22E-06
195	565617.3	4222510	7.24E-06	8.84E-06	4.66E-07	1.65E-05	3.84E-06	9.69E-06	4.66E-07	1.40E-05	9.50E-07	1.73E-06	1.52E-07	2.83E-06	7.35E-07	9.61E-07	6.95E-08	1.77E-06
196	565613.7	4222518	6.97E-06	8.51E-06	4.49E-07	1.59E-05	3.69E-06	9.33E-06	4.49E-07	1.35E-05	9.15E-07	1.66E-06	1.47E-07	2.72E-06	7.08E-07	9.26E-07	6.70E-08	1.70E-06
197	565606.5	4222535	6.37E-06	7.78E-06	4.10E-07	1.46E-05	3.38E-06	8.53E-06	4.10E-07	1.23E-05	8.36E-07	1.52E-06	1.34E-07	2.49E-06	6.47E-07	8.46E-07	6.12E-08	1.55E-06
198	565599.3	4222551	5.70E-06	6.96E-06	3.67E-07	1.30E-05	3.02E-06	7.63E-06	3.67E-07	1.10E-05	7.49E-07	1.36E-06	1.20E-07	2.23E-06	5.79E-07	7.57E-07	5.48E-08	1.39E-06
199	565595.8	4222559	5.35E-06	6.54E-06	3.44E-07	1.22E-05	2.84E-06	7.17E-06	3.44E-07	1.03E-05	7.03E-07	1.28E-06	1.13E-07	2.09E-06	5.44E-07	7.11E-07	5.14E-08	1.31E-06
200	565576.6	4222587	4.15E-06	5.07E-06	2.67E-07	9.48E-06	2.20E-06	5.56E-06	2.67E-07	8.02E-06	5.45E-07	9.90E-07	8.74E-08	1.62E-06	4.22E-07	5.51E-07	3.99E-08	1.01E-06
201	565560	4222594	3.80E-06	4.64E-06	2.44E-07	8.68E-06	2.01E-06	5.09E-06	2.44E-07	7.34E-06	4.99E-07	9.06E-07	8.00E-08	1.49E-06	3.86E-07	5.05E-07	3.65E-08	9.27E-07
202	565551.7	4222597	3.60E-06	4.40E-06	2.32E-07	8.24E-06	1.91E-06	4.83E-06	2.32E-07	6.97E-06	4.73E-07	8.60E-07	7.59E-08	1.41E-06	3.66E-07	4.79E-07	3.46E-08	8.80E-07
203	565621.1	4222493	7.86E-06	9.59E-06	5.06E-07	1.80E-05	4.17E-06	1.05E-05	5.06E-07	1.52E-05	1.03E-06	1.87E-06	1.65E-07	3.07E-06	7.98E-07	1.04E-06	7.55E-08	1.92E-06
204	565621.3	4222484	8.23E-06	1.00E-05	5.29E-07	1.88E-05	4.36E-06	1.10E-05	5.29E-07	1.59E-05	1.08E-06	1.96E-06	1.73E-07	3.22E-06	8.36E-07	1.09E-06	7.90E-08	2.01E-06
205	565621.6	4222475	8.59E-06	1.05E-05	5.53E-07	1.96E-05	4.55E-06	1.15E-05	5.53E-07	1.66E-05	1.13E-06	2.05E-06	1.81E-07	3.36E-06	8.73E-07	1.14E-06	8.25E-08	2.10E-06
206	565627.2	4222510	6.93E-06	8.47E-06	4.46E-07	1.58E-05	3.68E-06	9.28E-06	4.46E-07	1.34E-05	9.11E-07	1.65E-06	1.46E-07	2.71E-06	7.05E-07	9.21E-07	6.66E-08	1.69E-06
207	565620.1	4222526	6.46E-06	7.89E-06	4.16E-07	1.48E-05	3.42E-06	8.65E-06	4.16E-07	1.25E-05	8.48E-07	1.54E-06	1.36E-07	2.53E-06	6.56E-07	8.58E-07	6.21E-08	1.58E-06
208	565613	4222543	5.90E-06	7.21E-06	3.80E-07	1.35E-05	3.13E-06	7.90E-06	3.80E-07	1.14E-05	7.75E-07	1.41E-06	1.24E-07	2.31E-06	6.00E-07	7.84E-07	5.67E-08	1.44E-06
209	565606	4222559	5.29E-06	6.46E-06	3.41E-07	1.21E-05	2.80E-06	7.08E-06	3.41E-07	1.02E-05	6.95E-07	1.26E-06	1.11E-07	2.07E-06	5.38E-07	7.03E-07	5.08E-08	1.29E-06
210	565567.2	4222601	3.57E-06	4.36E-06	2.30E-07	8.17E-06	1.89E-06	4.78E-06	2.30E-07	6.91E-06	4.69E-07	8.53E-07	7.53E-08	1.40E-06	3.63E-07	4.75E-07	3.43E-08	8.72E-07
211	565550.8	4222607	3.22E-06	3.93E-06	2.07E-07	7.35E-06	1.71E-06	4.31E-06	2.07E-07	6.22E-06	4.23E-07	7.68E-07	6.78E-08	1.26E-06	3.27E-07	4.27E-07	3.09E-08	7.85E-07
212	565630.8	4222502	7.15E-06	8.73E-06	4.60E-07	1.63E-05	3.79E-06	9.57E-06	4.60E-07	1.38E-05	9.38E-07	1.70E-06	1.50E-07	2.79E-06	7.26E-07	9.49E-07	6.87E-08	1.74E-06
213	565631	4222493	7.48E-06	9.14E-06	4.82E-07	1.71E-05	3.97E-06	1.00E-05	4.82E-07	1.45E-05	9.83E-07	1.79E-06	1.58E-07	2.93E-06	7.61E-07	9.94E-07	7.19E-08	1.83E-06
214	565631.2	4222484	7.82E-06	9.55E-06	5.03E-07	1.79E-05	4.14E-06	1.05E-05	5.03E-07	1.51E-05	1.03E-06	1.86E-06	1.65E-07	3.06E-06	7.94E-07	1.04E-06	7.51E-08	1.91E-06
215	565631.4	4222475	8.13E-06	9.93E-06	5.23E-07	1.86E-05	4.31E-06	1.09E-05	5.23E-07	1.57E-05	1.07E-06	1.94E-06	1.71E-07	3.18E-06	8.27E-07	1.08E-06	7.81E-08	1.99E-06
216	565637.1	4222510	6.65E-06	8.13E-06	4.28E-07	1.52E-05	3.53E-06	8.91E-06	4.28E-07	1.29E-05	8.74E-07	1.59E-06	1.40E-07	2.60E-06	6.76E-07	8.84E-07	6.39E-08	1.62E-06
217	565630.1	4222526	6.23E-06	7.61E-06	4.01E-07	1.42E-05	3.30E-06	8.35E-06	4.01E-07	1.21E-05	8.19E-07	1.49E-06	1.31E-07	2.44E-06	6.33E-07	8.28E-07	5.99E-08	1.52E-06

218	565623.1	4222542	5.74E-06	7.02E-06	3.70E-07	1.31E-05	3.05E-06	7.69E-06	3.70E-07	1.11E-05	7.54E-07	1.37E-06	1.21E-07	2.25E-06	5.84E-07	7.63E-07	5.52E-08	1.40E-06
219	565616.1	4222558	5.21E-06	6.36E-06	3.35E-07	1.19E-05	2.76E-06	6.98E-06	3.35E-07	1.01E-05	6.84E-07	1.24E-06	1.10E-07	2.04E-06	5.30E-07	6.92E-07	5.01E-08	1.27E-06
220	565602.1	4222590	4.06E-06	4.96E-06	2.62E-07	9.29E-06	2.15E-06	5.44E-06	2.62E-07	7.86E-06	5.34E-07	9.70E-07	8.56E-08	1.59E-06	4.13E-07	5.40E-07	3.90E-08	9.92E-07
221	565590.6	4222601	3.66E-06	4.47E-06	2.35E-07	8.36E-06	1.94E-06	4.90E-06	2.35E-07	7.07E-06	4.80E-07	8.72E-07	7.70E-08	1.43E-06	3.72E-07	4.86E-07	3.51E-08	8.92E-07
222	565574.4	4222608	3.37E-06	4.11E-06	2.17E-07	7.70E-06	1.79E-06	4.51E-06	2.17E-07	6.51E-06	4.42E-07	8.04E-07	7.10E-08	1.32E-06	3.42E-07	4.48E-07	3.24E-08	8.22E-07
223	565558.2	4222614	3.05E-06	3.72E-06	1.96E-07	6.97E-06	1.62E-06	4.08E-06	1.96E-07	5.89E-06	4.00E-07	7.27E-07	6.42E-08	1.19E-06	3.10E-07	4.05E-07	2.93E-08	7.44E-07
224	565542	4222621	2.71E-06	3.31E-06	1.75E-07	6.20E-06	1.44E-06	3.63E-06	1.75E-07	5.25E-06	3.56E-07	6.47E-07	5.71E-08	1.06E-06	2.76E-07	3.60E-07	2.61E-08	6.62E-07
225	565640.8	4222493	7.14E-06	8.72E-06	4.59E-07	1.63E-05	3.78E-06	9.56E-06	4.59E-07	1.38E-05	9.37E-07	1.70E-06	1.50E-07	2.79E-06	7.25E-07	9.48E-07	6.86E-08	1.74E-06
226	565641	4222484	7.43E-06	9.08E-06	4.78E-07	1.70E-05	3.94E-06	9.95E-06	4.78E-07	1.44E-05	9.76E-07	1.77E-06	1.57E-07	2.91E-06	7.55E-07	9.87E-07	7.14E-08	1.81E-06
227	565641.2	4222475	7.71E-06	9.42E-06	4.96E-07	1.76E-05	4.09E-06	1.03E-05	4.96E-07	1.49E-05	1.01E-06	1.84E-06	1.62E-07	3.02E-06	7.84E-07	1.02E-06	7.41E-08	1.88E-06
228	565647	4222511	6.38E-06	7.80E-06	4.11E-07	1.46E-05	3.39E-06	8.55E-06	4.11E-07	1.23E-05	8.39E-07	1.52E-06	1.34E-07	2.50E-06	6.49E-07	8.48E-07	6.13E-08	1.56E-06
229	565640.1	4222526	6.02E-06	7.35E-06	3.88E-07	1.38E-05	3.19E-06	8.06E-06	3.88E-07	1.16E-05	7.91E-07	1.44E-06	1.27E-07	2.35E-06	6.12E-07	8.00E-07	5.79E-08	1.47E-06
230	565633.1	4222542	5.59E-06	6.83E-06	3.60E-07	1.28E-05	2.96E-06	7.49E-06	3.60E-07	1.08E-05	7.34E-07	1.33E-06	1.18E-07	2.19E-06	5.68E-07	7.43E-07	5.37E-08	1.36E-06
231	565626.2	4222558	5.11E-06	6.24E-06	3.29E-07	1.17E-05	2.71E-06	6.84E-06	3.29E-07	9.88E-06	6.71E-07	1.22E-06	1.08E-07	2.00E-06	5.19E-07	6.79E-07	4.91E-08	1.25E-06
232	565612.4	4222589	4.08E-06	4.98E-06	2.62E-07	9.32E-06	2.16E-06	5.46E-06	2.62E-07	7.88E-06	5.35E-07	9.73E-07	8.59E-08	1.59E-06	4.14E-07	5.42E-07	3.92E-08	9.95E-07
233	565597.5	4222608	3.45E-06	4.21E-06	2.22E-07	7.87E-06	1.83E-06	4.61E-06	2.22E-07	6.66E-06	4.52E-07	8.22E-07	7.26E-08	1.35E-06	3.50E-07	4.58E-07	3.31E-08	8.41E-07
234	565565.5	4222621	2.89E-06	3.53E-06	1.86E-07	6.61E-06	1.53E-06	3.87E-06	1.86E-07	5.59E-06	3.80E-07	6.90E-07	6.09E-08	1.13E-06	2.94E-07	3.84E-07	2.78E-08	7.06E-07
235	565549.5	4222628	2.59E-06	3.16E-06	1.67E-07	5.92E-06	1.37E-06	3.47E-06	1.67E-07	5.01E-06	3.40E-07	6.18E-07	5.45E-08	1.01E-06	2.63E-07	3.44E-07	2.49E-08	6.32E-07
236	565533.5	4222634	2.29E-06	2.80E-06	1.47E-07	5.23E-06	1.21E-06	3.06E-06	1.47E-07	4.43E-06	3.01E-07	5.46E-07	4.82E-08	8.95E-07	2.33E-07	3.04E-07	2.20E-08	5.59E-07
237	565650.6	4222494	6.81E-06	8.31E-06	4.38E-07	1.56E-05	3.61E-06	9.12E-06	4.38E-07	1.32E-05	8.94E-07	1.62E-06	1.43E-07	2.66E-06	6.92E-07	9.04E-07	6.54E-08	1.66E-06
238	565650.9	4222485	7.07E-06	8.63E-06	4.55E-07	1.62E-05	3.75E-06	9.46E-06	4.55E-07	1.37E-05	9.28E-07	1.69E-06	1.49E-07	2.76E-06	7.18E-07	9.39E-07	6.79E-08	1.73E-06
239	565651.1	4222476	7.31E-06	8.93E-06	4.71E-07	1.67E-05	3.88E-06	9.79E-06	4.71E-07	1.41E-05	9.61E-07	1.75E-06	1.54E-07	2.86E-06	7.43E-07	9.72E-07	7.03E-08	1.79E-06
240	565656.8	4222511	6.12E-06	7.48E-06	3.94E-07	1.40E-05	3.25E-06	8.20E-06	3.94E-07	1.18E-05	8.04E-07	1.46E-06	1.29E-07	2.39E-06	6.22E-07	8.14E-07	5.88E-08	1.49E-06
241	565650	4222526	5.81E-06	7.10E-06	3.74E-07	1.33E-05	3.08E-06	7.78E-06	3.74E-07	1.12E-05	7.63E-07	1.39E-06	1.22E-07	2.27E-06	5.91E-07	7.72E-07	5.58E-08	1.42E-06
242	565643.1	4222542	5.44E-06	6.64E-06	3.50E-07	1.24E-05	2.88E-06	7.28E-06	3.50E-07	1.05E-05	7.14E-07	1.30E-06	1.14E-07	2.13E-06	5.52E-07	7.22E-07	5.22E-08	1.33E-06
243	565636.3	4222558	5.01E-06	6.12E-06	3.22E-07	1.14E-05	2.66E-06	6.71E-06	3.22E-07	9.68E-06	6.58E-07	1.19E-06	1.05E-07	1.96E-06	5.09E-07	6.65E-07	4.81E-08	1.22E-06
244	565622.6	4222589	4.06E-06	4.96E-06	2.62E-07	9.29E-06	2.15E-06	5.44E-06	2.62E-07	7.86E-06	5.34E-07	9.69E-07	8.56E-08	1.59E-06	4.13E-07	5.40E-07	3.90E-08	9.92E-07
245	565615.7	4222605	3.59E-06	4.39E-06	2.31E-07	8.21E-06	1.90E-06	4.81E-06	2.31E-07	6.95E-06	4.72E-07	8.57E-07	7.57E-08	1.40E-06	3.65E-07	4.77E-07	3.45E-08	8.77E-07
246	565604.4	4222616	3.25E-06	3.97E-06	2.09E-07	7.43E-06	1.72E-06	4.36E-06	2.09E-07	6.29E-06	4.27E-07	7.76E-07	6.85E-08	1.27E-06	3.31E-07	4.32E-07	3.13E-08	7.94E-07
247	565572.7	4222628	2.75E-06	3.36E-06	1.77E-07	6.28E-06	1.46E-06	3.68E-06	1.77E-07	5.31E-06	3.61E-07	6.56E-07	5.79E-08	1.07E-06	2.79E-07	3.65E-07	2.64E-08	6.71E-07
248	565556.9	4222634	2.47E-06	3.02E-06	1.59E-07	5.65E-06	1.31E-06	3.31E-06	1.59E-07	4.78E-06	3.25E-07	5.90E-07	5.21E-08	9.67E-07	2.51E-07	3.28E-07	2.38E-08	6.03E-07
249	565541	4222641	2.20E-06	2.68E-06	1.41E-07	5.02E-06	1.17E-06	2.94E-06	1.41E-07	4.25E-06	2.89E-07	5.24E-07	4.63E-08	8.59E-07	2.23E-07	2.92E-07	2.11E-08	5.36E-07
250	565660.5	4222494	6.49E-06	7.93E-06	4.18E-07	1.48E-05	3.44E-06	8.69E-06	4.18E-07	1.26E-05	8.53E-07	1.55E-06	1.37E-07	2.54E-06	6.60E-07	8.63E-07	6.24E-08	1.58E-06
251	565660.7	4222485	6.72E-06	8.21E-06	4.33E-07	1.54E-05	3.56E-06	9.00E-06	4.33E-07	1.30E-05	8.83E-07	1.60E-06	1.42E-07	2.63E-06	6.83E-07	8.93E-07	6.46E-08	1.64E-06
252	565660.9	4222476	6.94E-06	8.48E-06	4.47E-07	1.59E-05	3.68E-06	9.30E-06	4.47E-07	1.34E-05	9.12E-07	1.66E-06	1.46E-07	2.71E-06	7.06E-07	9.22E-07	6.67E-08	1.69E-06
253	565666.7	4222511	5.88E-06	7.18E-06	3.78E-07	1.34E-05	3.11E-06	7.87E-06	3.78E-07	1.14E-05	7.72E-07	1.40E-06	1.24E-07	2.30E-06	5.97E-07	7.81E-07	5.64E-08	1.43E-06
254	565659.9	4222526	5.61E-06	6.85E-06	3.61E-07	1.28E-05	2.97E-06	7.51E-06	3.61E-07	1.08E-05	7.36E-07	1.34E-06	1.18E-07	2.19E-06	5.70E-07	7.45E-07	5.39E-08	1.37E-06
255	565653.1	4222542	5.28E-06	6.45E-06	3.40E-07	1.21E-05	2.80E-06	7.07E-06	3.40E-07	1.02E-05	6.93E-07	1.26E-06	1.11E-07	2.06E-06	5.36E-07	7.01E-07	5.07E-08	1.29E-06
256	565646.3	4222557	4.90E-06	5.98E-06	3.15E-07	1.12E-05	2.60E-06	6.56E-06	3.15E-07	9.47E-06	6.43E-07	1.17E-06	1.03E-07	1.92E-06	4.98E-07	6.51E-07	4.71E-08	1.20E-06
257	565632.7	4222588	4.04E-06	4.94E-06	2.60E-07	9.24E-06	2.14E-06	5.41E-06	2.60E-07	7.82E-06	5.31E-07	9.65E-07	8.52E-08	1.58E-06	4.11E-07	5.37E-07	3.89E-08	9.87E-07
258	565626	4222604	3.60E-06	4.40E-06	2.32E-07	8.23E-06	1.91E-06	4.82E-06	2.32E-07	6.96E-06	4.73E-07	8.59E-07	7.58E-08	1.41E-06	3.66E-07	4.78E-07	3.46E-08	8.79E-07
259	565611.3	4222623	3.08E-06	3.76E-06	1.98E-07	7.03E-06	1.63E-06	4.12E-06	1.98E-07	5.95E-06	4.04E-07	7.34E-07	6.48E-08	1.20E-06	3.13E-07	4.09E-07	2.96E-08	7.51E-07
260	565595.6	4222629	2.86E-06	3.49E-06	1.84E-07	6.53E-06	1.51E-06	3.83E-06	1.84E-07	5.52E-06	3.75E-07	6.82E-07	6.02E-08	1.12E-06	2.90E-07	3.80E-07	2.75E-08	6.97E-07
261	565564.2	4222641	2.36E-06	2.88E-06	1.52E-07	5.40E-06	1.25E-06	3.16E-06	1.52E-07	4.57E-06	3.10E-07	5.64E-07	4.97E-08	9.23E-07	2.40E-07	3.14E-07	2.27E-08	5.76E-07
262	565548.5	4222648	2.11E-06	2.58E-06	1.36E-07	4.83E-06	1.12E-06	2.83E-06	1.36E-07	4.08E-06	2.77E-07	5.04E-07	4.45E-08	8.26E-07	2.15E-07	2.81E-07	2.03E-08	5.15E-07
263	565532.7	4222654	1.87E-06	2.29E-06	1.21E-07	4.28E-06	9.93E-07	2.51E-06	1.21E-07	3.62E-06	2.46E-07	4.47E-07	3.94E-08	7.32E-07	1.90E-07	2.49E-07	1.80E-08	4.57E-07
264	565670.3	4222494	6.20E-06	7.57E-06	3.99E-07	1.42E-05	3.29E-06	8.30E-06	3.99E-07	1.20E-05	8.14E-07	1.48E-06	1.31E-07	2.42E-06	6.30E-07	8.23E-07	5.95E-08	1.51E-06
265	565670.5	4222485	6.40E-06	7.82E-06	4.12E-07	1.46E-05	3.39E-06	8.57E-06	4.12E-07	1.24E-05	8.40E-07	1.53E-06	1.35E-07	2.50E-06	6.50E-07	8.50E-07	6.15E-08	1.56E-06
266	565670.7	4222476	6.59E-06	8.05E-06	4.24E-07	1.51E-05	3.50E-06	8.83E-06	4.24E-07	1.27E-05	8.66E-07	1.57E-06	1.39E-07	2.58E-06	6.70E-07	8.76E-07	6.34E-08	1.61E-06
267	565676.3	4222512	5.63E-06	6.88E-06	3.62E-07	1.29E-05	2.99E-06	7.54E-06	3.62E-07	1.09E-05	7.39E-07	1.34E-06	1.19E-07	2.20E-06	5.72E-07	7.48E-07	5.41E-08	1.37E-06
268	565672.7	4222520	5.51E-06	6.73E-06	3.55E-07	1.26E-05	2.92E-06	7.38E-06	3.55E-07	1.07E-05	7.24E-07	1.32E-06	1.16E-07	2.16E-06	5.60E-07	7.33E-07	5.30E-08	1.35E-06
269	565665.6	4222536	5.23E-06	6.39E-06	3.37E-07	1.20E-05	2.77E-06	7.01E-06	3.37E-07	1.01E-05	6.87E-07	1.25E-06	1.10E-07	2.05E-06	5.32E-07	6.95E-07	5.03E-08	1.28E-06
270	565662	4222544	5.07E-06	6.19E-06	3.26E-07	1.16E-05	2.69E-06	6.79E-06	3.26E-07	9.80E-06	6.66E-07	1.21E-06	1.07E-07	1.98E-06	5.15E-07	6.73E-07	4.87E-08	1.24E-06
271	565640.4	4222594	3.86E-06	4.72E-06	2.49E-07	8.83E-06	2.05E-06	5.17E-06	2.49E-07	7.47E-06	5.07E-07	9.21E-07	8.13E-08	1.51E-06	3.92E-07	5.13E-07	3.71E-08	9.42E-07
272	565636.8	4222602	3.64E-06	4.45E-06	2.34E-07	8.33E-06	1.93E-06	4.88E-06	2.34E-07	7.04E-06	4.78E-07	8.69E-07	7.67E-08	1.42E-06	3.70E-07	4.84E-07	3.50E-08	8.89E-07
273	565629.6	4222618	3.21E-06	3.92E-06	2.07E-07	7.34E-06	1.70E-06	4.30E-06	2.07E-07	6.21E-06	4.22E-07	7.66E-07	6.76E-08	1.26E-06	3.26E-07	4.27E-07	3.09E-08	7.84E-07
274	565617.7	4222630	2.91E-06	3.56E-06	1.87E-07	6.65E-06	1.54E-06	3.90E-06	1.87E-07	5.63E-06	3.82E-07	6.95E-07	6.13E-08	1.14E-06	2.96E-07	3.87E-07	2.80E-08	7.11E-07
275	565601	4222636	2.69E-06	3.29E-06	1.73E-07	6.15E-06	1.43E-06	3.60E-06	1.73E-07	5.20E-06	3.54E-07	6.42E-07	5.67E-08	1.05E-06	2.74E-07	3.58E-07	2.59E-08	6.57E-07
276	565592.7	4222640	2.57E-06	3.14E-06	1.66E-07	5.88E-06	1.36E-06	3.45E-06	1.66E-07	4.98E-06	3.38E-07	6.14E-07	5.42E-08	1.01E-06	2.62E-07	3.42E-07	2.47E-08	6.28E-07
277	565559.5	4222653	2.08E-06	2.54E-06	1.34E-07	4.76E-06	1.10E-06	2.79E-06	1.34E-07	4.02E-06	2.73E-07	4.97E-07	4.38E-08	8.14E-07	2.12E-07	2.77E-07	2.00E-08	5.08E-07
278	565551.1	4222656	1.96E-06	2.40E-06	1.26E-07	4.48E-06	1.04E-06	2.63E-06	1.26E-07	3.79E-06	2.58E-07	4.68E-07	4.13E-08	7.67E-07	1.99E-07	2.61E-07	1.88E-08	4.79E-07
279	565534.5	4222663	1.73E-06	2.11E-06	1.11E-07	3.96E-06	9.18E-07	2.32E-06	1.11E-07	3.35E-06	2.27E-07	4.13E-07	3.65E-08	6.77E-07	1.76E-07	2.30E-07	1.66E-08	4.23E-07
280	565680.1	4222494	5.92E-06	7.23E-06	3.81E-07	1.35E-05	3.14E-06	7.92E-06	3.81E-07	1.14E-05	7.77E-07	1.41E-06	1.25E-07	2.31E-06	6.01E-07	7.86E-07	5.69E-08	1.44E-06
281	565680.4	4222485	6.10E-06	7.45E-06	3.92E-07	1.39E-05	3.23E-06	8.16E-06	3.92E-07	1.18E-05	8.01E-07	1.45E-06	1.28E-07	2.38E-06	6.20E-07	8.10E-07	5.86E-08	1.49E-06
282	565680.6	4222476	6.27E-06	7.66E-06	4.04E-07	1.43E-05	3.32E-06	8.39E-06	4.04E-07	1.21E-05	8.23E-07	1.50E-06	1.32E-07	2.45E-06	6.37E-07	8.33E-07	6.02E-08	1.53E-06
283	565686.2	4222512	5.40E-06	6.60E-06	3.48E-07	1.24E-05	2.87E-06	7.24E-06	3.48E-07	1.04E-05	7.10E-07	1.29E-06	1.14E-07	2.11E-06	5.49E-07	7.18E-07	5.19E-08	1.32E-06
284	565679.1	4222528	5.19E-06	6.34E-06	3.34E-07	1.19E-05	2.75E-06	6.95E-06	3.34E-07	1.00E-05	6.82E-07	1.24E-06	1.09E-07	2.03E-06	5.28E-07	6.90E-07	4.99E-08	1.27E-06
285	565657.7	4222577	4.23E-06	5.17E-06	2.72E-07	9.67E-06	2.24E-06	5.66E-06	2.72E-07	8.18E-06	5.56E-07	1.01E-06	8.91E-08	1.65E-06	4.30E-07	5.62E-07	4.06E-08	1.03E-06
286	565654.2	4222585	4.04E-06	4.93E-06	2.60E-07	9.23E-06	2.14E-06	5.40E-06	2.60E-07	7.80E-06	5.30E-07	9.63E-07	8.50E-08	1.58E-06	4.10E-07	5.36E-07	3.88E-08	9.85E-07
287	565647.1	4222601	3.64E-06	4.44E-06	2.34E-07	8.32E-06	1.93E-06	4.87E-06	2.34E-07	7.03E-06	4.78E-07	8.68E-07	7.66E-08	1.42E-06	3.70E-07	4.83E-07	3.50E-08	8.88E-07
288	565640	4222617	3.24E-06	3.96E-06	2.08E-07	7.40E-06	1.72E-06	4.34E-06	2.08E-07	6.26E-06	4.25E-07	7.73E-07	6.82E-08	1.27E-06	3.29E-07	4.30E-07	3.11E-08	7.90E-07
289	565624.6	4222637	2.76E-06	3.37E-06	1.77E-07	6.30E-06	1.46E-06	3.69E-06	1.77E-07	5.33E-06	3.62E-07	6.58E-07	5.81E-08	1.08E-06	2.80E-07	3.66E-07	2.65E-08	6.73E-07
290	565608.1	4222643	2.56E-06	3.13E-06	1.65E-07	5.85E-06	1.36E-06	3.43E-06	1.65E-07	4.95E-06	3.36E-07	6.11E-07	5.39E-08	1.00E-06	2.60E-07	3.40E-07	2.46E-08	6.25E-07
291	565591.7	4222650	2.34E-06	2.86E-06	1.51E-07	5.35E-06	1.24E-06	3.13E-06	1.51E-07	4.52E-06	3.07E-07	5.58E-07	4.93E-08	9.15E-07	2.38E-07	3.11E-07	2.25E-08	5.71E-07
292	565558.8	4222663	1.89E-06	2.31E-06	1.22E-07	4.32E-06	1.00E-06	2.53E-06	1.22E-07	3.66E-06	2.48E-07	4.51E-07	3.98E-08	7.39E-07	1.92E-07	2.51E-07	1.82E-08	4.62E-07
293	565542.3	4222670	1.68E-06	2.05E-06	1.08E-07	3.84E-06	8.90E-07	2.25E-06	1.08E-07	3.25E-06	2.20E-07	4.00E-07	3.54E-08	6.56E-07	1.71E-07	2.23E-07	1.61E-08	4.10E-07
294	565689.8	4222504	5.49E-06	6.70E-06	3.53E-07	1.25E-05	2.91E-06	7.35E-06	3.53E-07	1.06E-05	7.21E-07	1.31E-06	1.16E-07	2.15E-06	5.58E-07	7.29E-07	5.27E-08	1.34E-06
295	565690	4222495	5.66E-06	6.91E-06	3.64E-07	1.29E-05	3.00E-06	7.57E-06	3.64E-07	1.09E-05	7.43E-07	1.35E-06	1.19E-07	2.21E-06	5.75E-07	7.51E-07	5.43E-08	1.38E-06
296	565690.2	4222486	5.81E-06	7.10E-06	3.74E-07	1.33E-05	3.08E-06	7.78E-06	3.74E-07	1.12E-05	7.64E-07	1.39E-06	1.22E-07	2.27E-06	5.91E-07	7.72E-07	5.59E-08	1.42E-06
297	565690.4	4222477	5.97E-06	7.29E-06	3.84E-07	1.36E-05	3.16E-06	7.99E-06	3.84E-07	1.15E-05	7.84E-07	1.42E-06	1.26E-07	2.33E-06	6.06E-07	7.93E-07	5.73E-08	1.46E-06
298	565696.1	4222512	5.19E-06	6.34E-06	3.34E-07	1.19E-05	2.75E-06	6.95E-06	3.34E-07	1.00E-05	6.81E-07	1.24E-06	1.09E-07	2.03E-06	5.27E-07	6.89E-07	4.99E-08	1.27E-06
299	565674.9	4222560	4.49E-06	5.48E-06	2.89E-07	1.03E-05	2.38E-06	6.01E-06	2.89E-07	8.68E-06	5.89E-07	1.07E-06	9.45E-08	1.75E-06	4.56E-07	5.96E-07	4.31E-08	1.10E-06
300	565667.9	4222576	4.16E-06	5.08E-06	2.68E-07	9.51E-06	2.21E-06	5.57E-06	2.68E-07	8.04E-06	5.46E-07	9.92E-07	8.76E-08	1.63E-06	4.23E-07	5.53E-07	4.00E-08	1.02E-06
301	565660.8	4222592	3.80E-06	4.64E-06	2.45E-07	8.69E-06	2.02E-06	5.09E-06	2.45E-07	7.35E-06	4.99E-07	9.07E-07	8.01E-08	1.49E-06	3.86E-07	5.05E-07	3.65E-08	9.28E-07
302	565653.8	4222608	3.43E-06	4.19E-06	2.21E-07	7.85E-06	1.82E-06	4.60E-06	2.21E-07	6.64E-06	4.51E-07	8.19E-07	7.23E-08	1.34E-06	3.49E-07	4.56E-07	3.30E-08	8.38E-07
303	565646.7	4222625	3.07E-06	3.74E-06	1.97E-07	7.01E-06	1.63E-06	4.10E-06	1.97E-07	5.93E-06	4.03E-07	7.31E-07	6.46E-08	1.20E-06	3.12E-07	4.07E-07	2.95E-08	7.48E-07
304	565631.5	4222644	2.62E-06	3.20E-06	1.69E-07	5.99E-06	1.39E-06	3.51E-06	1.69E-07	5.07E-06	3.44E-07	6.26E-07	5.52E-08	1.03E-06	2.66E-07	3.48E-07	2.52E-08	6.40E-07
305	565615.2	4222650	2.44E-06	2.98E-06	1.57E-07	5.58E-06	1.29E-06	3.27E-06	1.57E-07	4.72E-06	3.20E-07	5.82E-07	5.14E-08	9.54E-07	2.48E-07	3.24E-07	2.34E-08	5.96E-07
306	565598.9	4222657	2.24E-06	2.73E-06	1.44E-07	5.11E-06	1.19E-06	2.99E-06	1.44E-07	4.32E-06	2.94E-07	5.34E-07	4.71E-08	8.74E-07	2.27E-07	2.97E-07	2.15E-08	5.46E-07
307	565566.3	4222670	1.82E-06	2.22E-06	1.17E-07	4.16E-06	9.66E-07	2.44E-06	1.17E-07	3.52E-06	2.39E-07	4.35E-07	3.84E-08	7.12E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
308	565550	4222676	1.63E-06	1.99E-06	1.05E-07	3.72E-06	8.62E-07	2.18E-06	1.05E-07	3.14E-06	2.14E-07	3.88E-07	3.42E-08	6.36E-07	1.65E-07	2.16E-07	1.56E-08	3.97E-07
309	565533.7	4222683	1.44E-06	1.76E-06	9.30E-08	3.30E-06	7.66E-07	1.93E-06	9.30E-08	2.79E-06	1.90E-07	3.45E-07	3.04E-08	5.65E-07	1.47E-07	1.92E-07	1.39E-08	3.53E-07
310	565699.8	4222495	5.41E-06	6.61E-06	3.48E-07	1.24E-05	2.87E-06	7.24E-06	3.48E-07	1.05E-05	7.10E-07	1.29E-06	1.14E-07	2.11E-06	5.50E-07	7.18E-07	5.20E-08	1.32E-06
311	565700	4222486	5.55E-06	6.78E-06	3.57E-07	1.27E-05	2.94E-06	7.43E-06	3.57E-07	1.07E-05	7.29E-07	1.32E-06	1.17E-07	2.17E-06	5.64E-07	7.37E-07	5.33E-08	1.35E-06
312	565700.3	4222477	5.68E-06	6.94E-06	3.66E-07	1.30E-05	3.01E-06	7.61E-06	3.66E-07	1.10E-05	7.46E-07	1.36E-06	1.20E-07	2.22E-06	5.78E-07	7.55E-07	5.46E-08	1.39E-06
313	565692	4222544	4.63E-06	5.65E-06	2.98E-07	1.06E-05	2.45E-06	6.20E-06	2.98E-07	8.95E-06	6.08E-07	1.10E-06	9.75E-08	1.81E-06	4.70E-07	6.15E-07	4.45E-08	1.13E-06
314	565685	4222560	4.37E-06	5.34E-06	2.82E-07	1.00E-05	2.32E-06	5.86E-06	2.82E-07	8.46E-06	5.74E-07	1.04E-06	9.21E-08	1.71E-06	4.45E-07	5.81E-07	4.20E-08	1.07E-06
315	565678	4222576	4.08E-06	4.99E-06	2.63E-07	9.33E-06	2.16E-06	5.47E-06	2.63E-07	7.89E-06	5.36E-07	9.74E-07	8.60E-08	1.60E-06	4.15E-07	5.42E-07	3.92E-08	9.96E-07
316	565671	4222592	3.76E-06	4.59E-06	2.42E-07	8.59E-06	1.99E-06	5.03E-06	2.42E-07	7.27E-06	4.94E-07	8.97E-07	7.92E-08	1.47E-06	3.82E-07	4.99E-07	3.61E-08	9.18E-07
317	565664	4222608	3.42E-06	4.18E-06	2.20E-07	7.82E-06	1.81E-06	4.58E-06	2.20E-07	6.61E-06	4.49E-07	8.16E-07	7.20E-08	1.34E-06	3.47E-07	4.54E-07	3.29E-08	8.35E-07
318	565657	4222624	3.08E-06	3.76E-06	1.98E-07	7.03E-06	1.63E-06	4.12E-06	1.98E-07	5.95E-06	4.04E-07	7.34E-07	6.48E-08	1.20E-06	3.13E-07	4.09E-07	2.96E-08	7.51E-07
319	565650	4222640	2.74E-06	3.35E-06	1.76E-07	6.26E-06	1.45E-06	3.67E-06	1.76E-07	5.30E-06	3.60E-07	6.54E-07	5.77E-08	1.07E-06	2.78E-07	3.64E-07	2.63E-08	6.69E-07
320	565638.4	4222651	2.50E-06	3.05E-06	1.61E-07	5.71E-06	1.32E-06	3.34E-06	1.61E-07	4.83E-06	3.28E-07	5.96E-07	5.26E-08	9.76E-07	2.54E-07	3.32E-07	2.40E-08	6.09E-07
321	565622.3	4222657	2.32E-06	2.84E-06	1.49E-07	5.31E-06	1.23E-06	3.11E-06	1.49E-07	4.49E-06	3.05E-07	5.54E-07	4.89E-08	9.08E-07	2.36E-07	3.08E-07	2.23E-08	5.67E-07
322	565606.1	4222664	2.14E-06	2.61E-06	1.38E-07	4.89E-06	1.13E-06	2.87E-06	1.38E-07	4.14E-06	2.81E-07	5.11E-07	4.51E-08	8.37E-07	2.17E-07	2.84E-07	2.06E-08	5.22E-07
323	565589.9	4222670	1.95E-06	2.38E-06	1.25E-07	4.45E-06	1.03E-06	2.61E-06	1.25E-07	3.76E-06	2.56E-07	4.64E-07	4.10E-08	7.61E-07	1.98E-07	2.59E-07	1.87E-08	4.75E-07
324	565557.6	4222683	1.57E-06	1.92E-06	1.01E-07	3.60E-06	8.34E-07	2.11E-06	1.01E-07	3.04E-06	2.07E-07	3.75E-07	3.31E-08	6.15E-07	1.60E-07	2.09E-07	1.51E-08	3.84E-07
325	565541.4	4222690	1.41E-06	1.72E-06	9.04E-08	3.21E-06	7.45E-07	1.88E-06	9.04E-08	2.72E-06	1.85E-07	3.35E-07	2.96E-08	5.49E-07	1.43E-07	1.87E-07	1.35E-08	3.43E-07
326	565709.7	4222495	5.18E-06	6.32E-06	3.33E-07	1.18E-05	2.74E-06	6.93E-06	3.33E-07	1.00E-05	6.80E-07	1.24E-06	1.09E-07	2.02E-06	5.26E-07	6.88E-07	4.97E-08	1.26E-06
327	565709.9	4222486	5.3E-06	6.47E-06	3.41E-07	1.21E-05	2.81E-06	7.10E-06	3.41E-07	1.03E-05	6.96E-07	1.26E-06	1.12E-07	2.07E-06	5.39E-07	7.04E-07	5.09E-08	1.29E-06

328	565710.1	4222477	5.42E-06	6.62E-06	3.49E-07	1.24E-05	2.87E-06	7.26E-06	3.49E-07	1.05E-05	7.12E-07	1.29E-06	1.14E-07	2.12E-06	5.51E-07	7.20E-07	5.21E-08	1.32E-06
329	565708.9	4222528	4.66E-06	5.69E-06	3.00E-07	1.07E-05	2.47E-06	6.24E-06	3.00E-07	9.01E-06	6.12E-07	1.11E-06	9.81E-08	1.82E-06	4.74E-07	6.19E-07	4.48E-08	1.14E-06
330	565701.9	4222544	4.48E-06	5.48E-06	2.89E-07	1.02E-05	2.38E-06	6.00E-06	2.89E-07	8.67E-06	5.89E-07	1.07E-06	9.44E-08	1.75E-06	4.56E-07	5.96E-07	4.31E-08	1.09E-06
331	565695	4222560	4.26E-06	5.2E-06	2.74E-07	9.74E-06	2.26E-06	5.70E-06	2.74E-07	8.24E-06	5.59E-07	1.02E-06	8.97E-08	1.67E-06	4.33E-07	5.66E-07	4.09E-08	1.04E-06
332	565688.1	4222576	4E-06	4.88E-06	2.57E-07	9.14E-06	2.12E-06	5.35E-06	2.57E-07	7.73E-06	5.25E-07	9.54E-07	8.42E-08	1.56E-06	4.06E-07	5.31E-07	3.84E-08	9.76E-07
333	565681.1	4222591	3.71E-06	4.53E-06	2.39E-07	8.47E-06	1.97E-06	4.96E-06	2.39E-07	7.17E-06	4.87E-07	8.84E-07	7.81E-08	1.45E-06	3.77E-07	4.92E-07	3.56E-08	9.05E-07
334	565674.2	4222607	3.39E-06	4.15E-06	2.19E-07	7.76E-06	1.80E-06	4.55E-06	2.19E-07	6.56E-06	4.46E-07	8.10E-07	7.15E-08	1.33E-06	3.45E-07	4.51E-07	3.26E-08	8.29E-07
335	565667.2	4222623	3.08E-06	3.76E-06	1.98E-07	7.03E-06	1.63E-06	4.12E-06	1.98E-07	5.95E-06	4.04E-07	7.34E-07	6.48E-08	1.20E-06	3.13E-07	4.09E-07	2.95E-08	7.51E-07
336	565660.3	4222639	2.76E-06	3.37E-06	1.78E-07	6.31E-06	1.46E-06	3.69E-06	1.78E-07	5.33E-06	3.62E-07	6.58E-07	5.81E-08	1.08E-06	2.80E-07	3.66E-07	2.65E-08	6.73E-07
337	565645.3	4222658	2.38E-06	2.91E-06	1.53E-07	5.44E-06	1.26E-06	3.19E-06	1.53E-07	4.60E-06	3.13E-07	5.68E-07	5.01E-08	9.31E-07	2.42E-07	3.16E-07	2.29E-08	5.81E-07
338	565629.3	4222664	2.22E-06	2.71E-06	1.43E-07	5.07E-06	1.18E-06	2.97E-06	1.43E-07	4.29E-06	2.91E-07	5.29E-07	4.67E-08	8.67E-07	2.25E-07	2.95E-07	2.13E-08	5.41E-07
339	565613.2	4222671	2.05E-06	2.5E-06	1.32E-07	4.69E-06	1.09E-06	2.75E-06	1.32E-07	3.96E-06	2.69E-07	4.89E-07	4.32E-08	8.02E-07	2.08E-07	2.72E-07	1.97E-08	5.01E-07
340	565597.2	4222677	1.87E-06	2.29E-06	1.20E-07	4.28E-06	9.92E-07	2.51E-06	1.20E-07	3.62E-06	2.46E-07	4.47E-07	3.94E-08	7.32E-07	1.90E-07	2.49E-07	1.80E-08	4.57E-07
341	565565.1	4222690	1.52E-06	1.86E-06	9.81E-08	3.48E-06	8.08E-07	2.04E-06	9.81E-08	2.95E-06	2.00E-07	3.64E-07	3.21E-08	5.96E-07	1.55E-07	2.02E-07	1.46E-08	3.72E-07
342	565549	4222696	1.37E-06	1.67E-06	8.79E-08	3.12E-06	7.24E-07	1.83E-06	8.79E-08	2.64E-06	1.79E-07	3.26E-07	2.88E-08	5.34E-07	1.39E-07	1.81E-07	1.31E-08	3.33E-07
343	565719.7	4222486	5.07E-06	6.19E-06	3.26E-07	1.16E-05	2.69E-06	6.79E-06	3.26E-07	9.80E-06	6.66E-07	1.21E-06	1.07E-07	1.98E-06	5.15E-07	6.74E-07	4.87E-08	1.24E-06
344	565719.9	4222477	5.18E-06	6.32E-06	3.33E-07	1.18E-05	2.74E-06	6.93E-06	3.33E-07	1.00E-05	6.80E-07	1.23E-06	1.09E-07	2.02E-06	5.26E-07	6.88E-07	4.97E-08	1.26E-06
345	565725.5	4222513	4.6E-06	5.62E-06	2.96E-07	1.05E-05	2.44E-06	6.17E-06	2.96E-07	8.90E-06	6.05E-07	1.10E-06	9.70E-08	1.80E-06	4.68E-07	6.12E-07	4.42E-08	1.12E-06
346	565718.2	4222529	4.48E-06	5.48E-06	2.89E-07	1.02E-05	2.38E-06	6.00E-06	2.89E-07	8.67E-06	5.89E-07	1.07E-06	9.44E-08	1.75E-06	4.56E-07	5.96E-07	4.31E-08	1.09E-06
347	565711	4222546	4.32E-06	5.27E-06	2.78E-07	9.87E-06	2.29E-06	5.78E-06	2.78E-07	8.35E-06	5.67E-07	1.03E-06	9.09E-08	1.69E-06	4.39E-07	5.74E-07	4.15E-08	1.05E-06
348	565707.4	4222554	4.22E-06	5.15E-06	2.71E-07	9.64E-06	2.24E-06	5.64E-06	2.71E-07	8.15E-06	5.54E-07	1.01E-06	8.88E-08	1.65E-06	4.28E-07	5.60E-07	4.05E-08	1.03E-06
349	565700.1	4222571	3.98E-06	4.86E-06	2.56E-07	9.10E-06	2.11E-06	5.33E-06	2.56E-07	7.70E-06	5.23E-07	9.50E-07	8.39E-08	1.56E-06	4.05E-07	5.29E-07	3.83E-08	9.72E-07
350	565692.8	4222587	3.71E-06	4.53E-06	2.39E-07	8.48E-06	1.97E-06	4.97E-06	2.39E-07	7.18E-06	4.87E-07	8.86E-07	7.82E-08	1.45E-06	3.77E-07	4.93E-07	3.57E-08	9.06E-07
351	565685.6	4222604	3.42E-06	4.17E-06	2.20E-07	7.81E-06	1.81E-06	4.57E-06	2.20E-07	6.60E-06	4.49E-07	8.15E-07	7.19E-08	1.34E-06	3.47E-07	4.54E-07	3.28E-08	8.34E-07
352	565678.3	4222620	3.11E-06	3.79E-06	2.00E-07	7.10E-06	1.65E-06	4.16E-06	2.00E-07	6.00E-06	4.08E-07	7.41E-07	6.54E-08	1.21E-06	3.16E-07	4.13E-07	2.98E-08	7.58E-07
353	565671.1	4222637	2.79E-06	3.41E-06	1.80E-07	6.38E-06	1.48E-06	3.74E-06	1.80E-07	5.40E-06	3.67E-07	6.66E-07	5.88E-08	1.09E-06	2.84E-07	3.71E-07	2.68E-08	6.81E-07
354	565667.5	4222645	2.64E-06	3.22E-06	1.70E-07	6.03E-06	1.40E-06	3.53E-06	1.70E-07	5.10E-06	3.46E-07	6.29E-07	5.56E-08	1.03E-06	2.68E-07	3.51E-07	2.54E-08	6.44E-07
355	565651.8	4222665	2.27E-06	2.77E-06	1.46E-07	5.18E-06	1.20E-06	3.04E-06	1.46E-07	4.38E-06	2.98E-07	5.41E-07	4.78E-08	8.87E-07	2.30E-07	3.01E-07	2.18E-08	5.54E-07
356	565643.4	4222669	2.19E-06	2.68E-06	1.41E-07	5.01E-06	1.16E-06	2.93E-06	1.41E-07	4.24E-06	2.88E-07	5.23E-07	4.62E-08	8.57E-07	2.23E-07	2.91E-07	2.11E-08	5.35E-07
357	565635	4222672	2.11E-06	2.58E-06	1.36E-07	4.82E-06	1.12E-06	2.83E-06	1.36E-07	4.08E-06	2.77E-07	5.03E-07	4.44E-08	8.25E-07	2.14E-07	2.80E-07	2.03E-08	5.15E-07
358	565618.2	4222679	1.95E-06	2.38E-06	1.25E-07	4.45E-06	1.03E-06	2.61E-06	1.25E-07	3.76E-06	2.56E-07	4.64E-07	4.10E-08	7.61E-07	1.98E-07	2.59E-07	1.87E-08	4.75E-07
359	565609.9	4222682	1.86E-06	2.27E-06	1.20E-07	4.25E-06	9.85E-07	2.49E-06	1.20E-07	3.59E-06	2.44E-07	4.43E-07	3.91E-08	7.27E-07	1.89E-07	2.47E-07	1.79E-08	4.54E-07
360	565601.5	4222685	1.77E-06	2.16E-06	1.14E-07	4.05E-06	9.39E-07	2.37E-06	1.14E-07	3.42E-06	2.33E-07	4.23E-07	3.73E-08	6.92E-07	1.80E-07	2.35E-07	1.70E-08	4.32E-07
361	565584.7	4222692	1.6E-06	1.95E-06	1.03E-07	3.65E-06	8.47E-07	2.14E-06	1.03E-07	3.09E-06	2.10E-07	3.81E-07	3.37E-08	6.25E-07	1.62E-07	2.12E-07	1.54E-08	3.90E-07
362	565559.5	4222702	1.35E-06	1.65E-06	8.72E-08	3.10E-06	7.18E-07	1.81E-06	8.72E-08	2.62E-06	1.78E-07	3.23E-07	2.85E-08	5.30E-07	1.38E-07	1.80E-07	1.30E-08	3.31E-07
363	565551.1	4222705	1.28E-06	1.56E-06	8.24E-08	2.93E-06	6.79E-07	1.71E-06	8.24E-08	2.48E-06	1.68E-07	3.05E-07	2.70E-08	5.01E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07
364	565729.8	4222477	4.95E-06	6.04E-06	3.18E-07	1.13E-05	2.62E-06	6.62E-06	3.18E-07	9.56E-06	6.50E-07	1.18E-06	1.04E-07	1.93E-06	5.03E-07	6.57E-07	4.75E-08	1.21E-06
365	565735.4	4222513	4.52E-06	5.52E-06	2.91E-07	1.03E-05	2.40E-06	6.05E-06	2.91E-07	8.74E-06	5.94E-07	1.08E-06	9.52E-08	1.77E-06	4.60E-07	6.01E-07	4.34E-08	1.10E-06
366	565728.2	4222529	4.33E-06	5.29E-06	2.79E-07	9.89E-06	2.29E-06	5.79E-06	2.79E-07	8.37E-06	5.68E-07	1.03E-06	9.11E-08	1.69E-06	4.40E-07	5.75E-07	4.16E-08	1.06E-06
367	565721	4222546	4.18E-06	5.11E-06	2.69E-07	9.56E-06	2.22E-06	5.60E-06	2.69E-07	8.09E-06	5.49E-07	9.98E-07	8.81E-08	1.64E-06	4.25E-07	5.56E-07	4.02E-08	1.02E-06
368	565713.8	4222562	4E-06	4.88E-06	2.57E-07	9.13E-06	2.12E-06	5.35E-06	2.57E-07	7.72E-06	5.25E-07	9.53E-07	8.41E-08	1.56E-06	4.06E-07	5.31E-07	3.84E-08	9.75E-07
369	565706.6	4222579	3.77E-06	4.61E-06	2.43E-07	8.62E-06	2.00E-06	5.05E-06	2.43E-07	7.29E-06	4.95E-07	9.00E-07	7.94E-08	1.47E-06	3.83E-07	5.01E-07	3.62E-08	9.20E-07
370	565703	4222587	3.65E-06	4.45E-06	2.35E-07	8.33E-06	1.93E-06	4.88E-06	2.35E-07	7.05E-06	4.79E-07	8.70E-07	7.68E-08	1.43E-06	3.70E-07	4.84E-07	3.50E-08	8.90E-07
371	565695.8	4222603	3.38E-06	4.12E-06	2.17E-07	7.72E-06	1.79E-06	4.52E-06	2.17E-07	6.53E-06	4.43E-07	8.06E-07	7.11E-08	1.32E-06	3.43E-07	4.49E-07	3.24E-08	8.24E-07
372	565688.6	4222620	3.09E-06	3.78E-06	1.99E-07	7.07E-06	1.64E-06	4.14E-06	1.99E-07	5.98E-06	4.06E-07	7.38E-07	6.51E-08	1.21E-06	3.14E-07	4.11E-07	2.97E-08	7.55E-07
373	565685	4222628	2.89E-06	3.53E-06	1.86E-07	6.60E-06	1.53E-06	3.86E-06	1.86E-07	5.58E-06	3.79E-07	6.89E-07	6.08E-08	1.13E-06	2.93E-07	3.83E-07	2.77E-08	7.05E-07
374	565677.8	4222644	2.58E-06	3.15E-06	1.66E-07	5.89E-06	1.37E-06	3.45E-06	1.66E-07	4.98E-06	3.38E-07	6.15E-07	5.43E-08	1.01E-06	2.62E-07	3.42E-07	2.47E-08	6.29E-07
375	565625.4	4222686	1.86E-06	2.28E-06	1.20E-07	4.26E-06	9.89E-07	2.50E-06	1.20E-07	3.61E-06	2.45E-07	4.45E-07	3.93E-08	7.29E-07	1.90E-07	2.48E-07	1.79E-08	4.55E-07
376	565617.1	4222689	1.79E-06	2.19E-06	1.15E-07	4.09E-06	9.49E-07	2.40E-06	1.15E-07	3.46E-06	2.35E-07	4.27E-07	3.77E-08	7.00E-07	1.82E-07	2.38E-07	1.72E-08	4.37E-07
377	565600.5	4222695	1.63E-06	1.99E-06	1.05E-07	3.72E-06	8.63E-07	2.18E-06	1.05E-07	3.15E-06	2.14E-07	3.88E-07	3.43E-08	6.36E-07	1.65E-07	2.16E-07	1.56E-08	3.97E-07
378	565592.2	4222699	1.55E-06	1.89E-06	9.96E-08	3.54E-06	8.20E-07	2.07E-06	9.96E-08	2.99E-06	2.03E-07	3.69E-07	3.26E-08	6.05E-07	1.57E-07	2.06E-07	1.49E-08	3.78E-07
379	565558.9	4222712	1.25E-06	1.53E-06	8.04E-08	2.86E-06	6.62E-07	1.67E-06	8.04E-08	2.42E-06	1.64E-07	2.98E-07	2.63E-08	4.88E-07	1.27E-07	1.66E-07	1.20E-08	3.05E-07
380	565550.6	4222715	1.18E-06	1.44E-06	7.61E-08	2.70E-06	6.27E-07	1.58E-06	7.61E-08	2.29E-06	1.55E-07	2.82E-07	2.49E-08	4.63E-07	1.20E-07	1.57E-07	1.14E-08	2.89E-07
381	565745.2	4222513	4.35E-06	5.32E-06	2.80E-07	9.95E-06	2.31E-06	5.83E-06	2.80E-07	8.42E-06	5.72E-07	1.04E-06	9.17E-08	1.70E-06	4.42E-07	5.78E-07	4.18E-08	1.06E-06
382	565741.6	4222521	4.31E-06	5.26E-06	2.77E-07	9.85E-06	2.28E-06	5.77E-06	2.77E-07	8.33E-06	5.66E-07	1.03E-06	9.07E-08	1.68E-06	4.38E-07	5.72E-07	4.14E-08	1.05E-06
383	565734.5	4222538	4.19E-06	5.11E-06	2.70E-07	9.57E-06	2.22E-06	5.61E-06	2.70E-07	8.10E-06	5.50E-07	9.99E-07	8.82E-08	1.64E-06	4.26E-07	5.56E-07	4.02E-08	1.02E-06
384	565730.9	4222546	4.05E-06	4.95E-06	2.61E-07	9.26E-06	2.15E-06	5.42E-06	2.61E-07	7.83E-06	5.32E-07	9.66E-07	8.53E-08	1.58E-06	4.12E-07	5.38E-07	3.89E-08	9.89E-07
385	565723.8	4222562	3.89E-06	4.75E-06	2.50E-07	8.88E-06	2.06E-06	5.20E-06	2.50E-07	7.51E-06	5.10E-07	9.27E-07	8.18E-08	1.52E-06	3.95E-07	5.16E-07	3.73E-08	9.49E-07
386	565716.7	4222578	3.69E-06	4.5E-06	2.37E-07	8.43E-06	1.95E-06	4.94E-06	2.37E-07	7.13E-06	4.84E-07	8.80E-07	7.76E-08	1.44E-06	3.75E-07	4.90E-07	3.54E-08	9.00E-07
387	565709.6	4222595	3.46E-06	4.22E-06	2.22E-07	7.90E-06	1.83E-06	4.63E-06	2.22E-07	6.68E-06	4.54E-07	8.24E-07	7.28E-08	1.35E-06	3.51E-07	4.59E-07	3.32E-08	8.43E-07
388	565702.4	4222611	3.17E-06	3.88E-06	2.04E-07	7.26E-06	1.68E-06	4.25E-06	2.04E-07	6.14E-06	4.17E-07	7.57E-07	6.68E-08	1.24E-06	3.23E-07	4.22E-07	3.05E-08	7.75E-07
389	565695.3	4222627	2.88E-06	3.52E-06	1.85E-07	6.59E-06	1.53E-06	3.86E-06	1.85E-07	5.57E-06	3.78E-07	6.87E-07	6.07E-08	1.13E-06	2.93E-07	3.83E-07	2.77E-08	7.03E-07
390	565665.6	4222679	1.98E-06	2.41E-06	1.27E-07	4.52E-06	1.05E-06	2.65E-06	1.27E-07	3.82E-06	2.60E-07	4.71E-07	4.16E-08	7.73E-07	2.01E-07	2.63E-07	1.90E-08	4.82E-07
391	565566.6	4222719	1.22E-06	1.49E-06	7.85E-08	2.79E-06	6.46E-07	1.63E-06	7.85E-08	2.36E-06	1.60E-07	2.91E-07	2.57E-08	4.77E-07	1.24E-07	1.62E-07	1.17E-08	2.98E-07
392	565550.1	4222725	1.1E-06	1.34E-06	7.06E-08	2.51E-06	5.81E-07	1.47E-06	7.06E-08	2.12E-06	1.44E-07	2.62E-07	2.31E-08	4.29E-07	1.11E-07	1.46E-07	1.05E-08	2.68E-07
393	565755.1	4222513	4.19E-06	5.12E-06	2.70E-07	9.58E-06	2.22E-06	5.61E-06	2.70E-07	8.10E-06	5.50E-07	1.00E-06	8.83E-08	1.64E-06	4.26E-07	5.57E-07	4.03E-08	1.02E-06
394	565748	4222530	4.11E-06	5.01E-06	2.64E-07	9.38E-06	2.18E-06	5.50E-06	2.64E-07	7.94E-06	5.39E-07	9.80E-07	8.65E-08	1.61E-06	4.17E-07	5.45E-07	3.94E-08	1.00E-06
395	565740.9	4222546	3.98E-06	4.86E-06	2.56E-07	9.10E-06	2.11E-06	5.33E-06	2.56E-07	7.70E-06	5.23E-07	9.50E-07	8.39E-08	1.56E-06	4.05E-07	5.29E-07	3.83E-08	9.72E-07
396	565737.4	4222554	3.91E-06	4.77E-06	2.51E-07	8.93E-06	2.07E-06	5.23E-06	2.51E-07	7.55E-06	5.13E-07	9.32E-07	8.23E-08	1.53E-06	3.97E-07	5.19E-07	3.75E-08	9.54E-07
397	565730.3	4222570	3.69E-06	4.51E-06	2.38E-07	8.44E-06	1.96E-06	4.94E-06	2.38E-07	7.14E-06	4.85E-07	8.81E-07	7.78E-08	1.44E-06	3.75E-07	4.91E-07	3.55E-08	9.01E-07
398	565723.2	4222586	3.5E-06	4.27E-06	2.25E-07	8.00E-06	1.86E-06	4.69E-06	2.25E-07	6.77E-06	4.60E-07	8.35E-07	7.37E-08	1.37E-06	3.56E-07	4.65E-07	3.36E-08	8.54E-07
399	565716.1	4222602	3.27E-06	3.99E-06	2.11E-07	7.48E-06	1.73E-06	4.38E-06	2.11E-07	6.32E-06	4.30E-07	7.80E-07	6.89E-08	1.28E-06	3.32E-07	4.34E-07	3.14E-08	7.98E-07
400	565694.9	4222651	2.45E-06	3E-06	1.58E-07	5.61E-06	1.30E-06	3.29E-06	1.58E-07	4.75E-06	3.22E-07	5.86E-07	5.17E-08	9.60E-07	2.49E-07	3.26E-07	2.36E-08	5.99E-07
401	565691.3	4222659	2.32E-06	2.84E-06	1.49E-07	5.31E-06	1.23E-06	3.11E-06	1.49E-07	4.49E-06	3.05E-07	5.54E-07	4.89E-08	9.08E-07	2.36E-07	3.08E-07	2.23E-08	5.67E-07
402	565672.5	4222686	1.88E-06	2.3E-06	1.21E-07	4.30E-06	9.98E-07	2.52E-06	1.21E-07	3.64E-06	2.47E-07	4.49E-07	3.96E-08	7.36E-07	1.91E-07	2.50E-07	1.81E-08	4.59E-07
403	565656.1	4222693	1.86E-06	2.27E-06	1.20E-07	4.25E-06	9.87E-07	2.49E-06	1.20E-07	3.60E-06	2.44E-07	4.44E-07	3.92E-08	7.28E-07	1.89E-07	2.47E-07	1.79E-08	4.54E-07
404	565639.8	4222699	1.73E-06	2.11E-06	1.11E-07	3.95E-06	9.16E-07	2.31E-06	1.11E-07	3.34E-06	2.27E-07	4.12E-07	3.64E-08	6.75E-07	1.76E-07	2.29E-07	1.66E-08	4.22E-07
405	565557.8	4222732	1.07E-06	1.31E-06	6.90E-08	2.45E-06	5.69E-07	1.44E-06	6.90E-08	2.07E-06	1.41E-07	2.56E-07	2.26E-08	4.19E-07	1.09E-07	1.42E-07	1.03E-08	2.62E-07
406	565764.9	4222514	4.04E-06	4.93E-06	2.60E-07	9.23E-06	2.14E-06	5.40E-06	2.60E-07	7.80E-06	5.30E-07	9.63E-07	8.50E-08	1.58E-06	4.10E-07	5.36E-07	3.88E-08	9.85E-07
407	565757.9	4222530	3.96E-06	4.84E-06	2.55E-07	9.06E-06	2.10E-06	5.31E-06	2.55E-07	7.66E-06	5.20E-07	9.45E-07	8.35E-08	1.55E-06	4.03E-07	5.26E-07	3.81E-08	9.67E-07
408	565750.9	4222546	3.85E-06	4.71E-06	2.48E-07	8.81E-06	2.04E-06	5.16E-06	2.48E-07	7.45E-06	5.06E-07	9.20E-07	8.12E-08	1.51E-06	3.92E-07	5.12E-07	3.70E-08	9.41E-07
409	565743.8	4222562	3.72E-06	4.54E-06	2.39E-07	8.49E-06	1.97E-06	4.97E-06	2.39E-07	7.18E-06	4.88E-07	8.86E-07	7.83E-08	1.45E-06	3.78E-07	4.94E-07	3.57E-08	9.07E-07
410	565736.8	4222578	3.54E-06	4.33E-06	2.28E-07	8.10E-06	1.88E-06	4.74E-06	2.28E-07	6.85E-06	4.65E-07	8.45E-07	7.46E-08	1.39E-06	3.60E-07	4.71E-07	3.40E-08	8.65E-07
411	565729.8	4222594	3.33E-06	4.07E-06	2.15E-07	7.62E-06	1.77E-06	4.47E-06	2.15E-07	6.45E-06	4.38E-07	7.96E-07	7.02E-08	1.30E-06	3.39E-07	4.43E-07	3.20E-08	8.14E-07
412	565708.7	4222642	2.59E-06	3.16E-06	1.67E-07	5.91E-06	1.37E-06	3.46E-06	1.67E-07	5.00E-06	3.40E-07	6.17E-07	5.45E-08	1.01E-06	2.63E-07	3.44E-07	2.49E-08	6.31E-07
413	565701.6	4222658	2.33E-06	2.85E-06	1.50E-07	5.33E-06	1.24E-06	3.12E-06	1.50E-07	4.50E-06	3.06E-07	5.56E-07	4.91E-08	9.11E-07	2.37E-07	3.09E-07	2.24E-08	5.69E-07
414	565679.4	4222693	1.79E-06	2.19E-06	1.15E-07	4.09E-06	9.50E-07	2.40E-06	1.15E-07	3.46E-06	2.35E-07	4.27E-07	3.77E-08	7.00E-07	1.82E-07	2.38E-07	1.72E-08	4.37E-07
415	565663.2	4222700	1.68E-06	2.05E-06	1.08E-07	3.84E-06	8.90E-07	2.25E-06	1.08E-07	3.25E-06	2.20E-07	4.01E-07	3.54E-08	6.56E-07	1.71E-07	2.23E-07	1.61E-08	4.10E-07
416	565646.9	4222706	1.66E-06	2.03E-06	1.07E-07	3.80E-06	8.81E-07	2.23E-06	1.07E-07	3.21E-06	2.18E-07	3.97E-07	3.50E-08	6.50E-07	1.69E-07	2.21E-07	1.60E-08	4.06E-07
417	565614.3	4222719	1.4E-06	1.71E-06	9.03E-08	3.21E-06	7.44E-07	1.88E-06	9.03E-08	2.71E-06	1.84E-07	3.35E-07	2.95E-08	5.49E-07	1.43E-07	1.86E-07	1.35E-08	3.42E-07
418	565598	4222726	1.28E-06	1.56E-06	8.22E-08	2.92E-06	6.77E-07	1.71E-06	8.22E-08	2.47E-06	1.68E-07	3.05E-07	2.69E-08	4.99E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07
419	565581.8	4222732	1.16E-06	1.42E-06	7.46E-08	2.65E-06	6.14E-07	1.55E-06	7.46E-08	2.24E-06	1.52E-07	2.77E-07	2.44E-08	4.53E-07	1.18E-07	1.54E-07	1.11E-08	2.83E-07
420	565565.5	4222739	1.05E-06	1.28E-06	6.75E-08	2.40E-06	5.56E-07	1.40E-06	6.75E-08	2.03E-06	1.38E-07	2.50E-07	2.21E-08	4.10E-07	1.07E-07	1.39E-07	1.01E-08	2.56E-07
421	565769.1	4222478	4.15E-06	5.07E-06	2.67E-07	9.49E-06	2.20E-06	5.56E-06	2.67E-07	8.03E-06	5.46E-07	9.91E-07	8.75E-08	1.62E-06	4.22E-07	5.52E-07	3.99E-08	1.01E-06
422	565767.8	4222530	3.83E-06	4.67E-06	2.46E-07	8.74E-06	2.03E-06	5.12E-06	2.46E-07	7.40E-06	5.02E-07	9.13E-07	8.06E-08	1.50E-06	3.89E-07	5.08E-07	3.68E-08	9.34E-07
423	565760.8	4222546	3.73E-06	4.55E-06	2.40E-07	8.52E-06	1.98E-06	4.99E-06	2.40E-07	7.21E-06	4.90E-07	8.90E-07	7.85E-08	1.46E-06	3.79E-07	4.95E-07	3.58E-08	9.10E-07
424	565753.8	4222562	3.61E-06	4.41E-06	2.32E-07	8.25E-06	1.91E-06	4.83E-06	2.32E-07	6.98E-06	4.74E-07	8.61E-07	7.60E-08	1.41E-06	3.67E-07	4.79E-07	3.47E-08	8.81E-07
425	565746.8	4222578	3.46E-06	4.22E-06	2.22E-07	7.90E-06	1.83E-06	4.63E-06	2.22E-07	6.68E-06	4.54E-07	8.24E-07	7.28E-08	1.35E-06	3.51E-07	4.59E-07	3.32E-08	8.43E-07
426	565725.9	4222625	2.82E-06	3.44E-06	1.81E-07	6.44E-06	1.49E-06	3.77E-06	1.81E-07	5.44E-06	3.70E-07	6.72E-07	5.93E-08	1.10E-06	2.86E-07	3.74E-07	2.71E-08	6.87E-07
427	565718.9	4222641	2.57E-06	3.14E-06	1.66E-07	5.88E-06	1.36E-06	3.45E-06	1.66E-07	4.98E-06	3.38E-07	6.14E-07	5.42E-08	1.01E-06	2.62E-07	3.42E-07	2.47E-08	6.28E-07
428	565711.9	4222657	2.34E-06	2.85E-06	1.50E-07	5.34E-06	1.24E-06	3.13E-06	1.50E-07	4.52E-06	3.07E-07	5.57E-07	4.92E-08	9.13E-07	2.37E-07	3.10E-07	2.24E-08	5.70E-07
429	565704.9	4222673	2.09E-06	2.56E-06	1.35E-07	4.79E-06	1.11E-06	2.80E-06	1.35E-07	4.05E-06	2.75E-07	5.00E-07	4.41E-08	8.19E-07	2.13E-07	2.78E-07	2.01E-08	5.11E-07
430	565686.3	4222700	1.71E-06	2.08E-06	1.10E-07	3.90E-06	9.05E-07	2.28E-06	1.10E-07	3.30E-06	2.24E-07	4.07E-07	3.59E-08	6.67E-07	1.73E-07	2.27E-07	1.64E-08	4.16E-07
431	565670.1	4222707	1.6E-06	1.95E-06	1.03E-07	3.66E-06	8.49E-07	2.14E-06	1.03E-07	3.09E-06	2.10E-07	3.82E-07	3.37E-08	6.26E-07	1.63E-07	2.13E-07	1.54E-08	3.91E-07
432	565654	4222713	1.49E-06	1.82E-06	9.61E-08	3.41E-06	7.91E-07	2.00E-06	9.61E-08	2.89E-06	1.96E-07	3.56E-07	3.14E-08	5.83E-07	1.52E-07	1.98E-07	1.43E-08	3.64E-07
433	565621.6	4222726	1.35E-06	1.65E-06	8.72E-08	3.10E-06	7.18E-07	1.81E-06	8.72E-08	2.62E-06	1.78E-07	3.23E-07	2.85E-08	5.30E-07	1.38E-07	1.80E-07	1.30E-08	3.31E-07
434	565605.4	4222733	1.24E-06	1.52E-06	7.99E-08	2.84E-06	6.58E-07	1.66E-06	7.99E-08	2.40E-06	1.63E-07	2.96E-07	2.61E-08	4.85E-07	1.26E-07	1.65E-07	1.19E-08	3.03E-07
435	565589.3	4222739	1.13E-06	1.38E-06	7.27E-08	2.58E-06	5.99E-07	1.51E-06	7.27E-08	2.18E-06	1.48E-07	2.69E-07	2.38E-08	4.41E-07	1.15E-07	1.50E-07	1.08E-08	2.76E-07
436	565778.5	4222497	3.97E-06	4.85E-06	2.56E-07	9.08E-06	2.11E-06	5.32E-06	2.56E-07	7.68E-06	5.22E-07	9.48E-07	8.37E-08	1.55E-06	4.04E-07	5.28E-07	3.82E-08	9.70E-07
437	565778.7	4222488	4.04E-06	4.93E-06	2.60E-07	9.22E-06	2.14E-06	5.40E-06	2.60E-07	7.80E-06	5.30E-07	9.63E-07	8.50E-08	1.58E-06	4.10E-07	5.36E-07	3.88E-08	9.85E-07

438	565778.9	4222479	4.09E-06	4.99E-06	2.63E-07	9.35E-06	2.17E-06	5.48E-06	2.63E-07	7.91E-06	5.37E-07	9.76E-07	8.61E-08	1.60E-06	4.16E-07	5.43E-07	3.93E-08	9.98E-07
439	565777.3	4222531	3.69E-06	4.51E-06	2.37E-07	8.43E-06	1.96E-06	4.94E-06	2.37E-07	7.13E-06	4.85E-07	8.80E-07	7.77E-08	1.44E-06	3.75E-07	4.90E-07	3.54E-08	9.01E-07
440	565770	4222547	3.6E-06	4.39E-06	2.32E-07	8.22E-06	1.91E-06	4.82E-06	2.32E-07	6.96E-06	4.73E-07	8.59E-07	7.58E-08	1.41E-06	3.66E-07	4.78E-07	3.46E-08	8.78E-07
441	565748.3	4222597	3.15E-06	3.85E-06	2.03E-07	7.21E-06	1.67E-06	4.22E-06	2.03E-07	6.10E-06	4.14E-07	7.53E-07	6.64E-08	1.23E-06	3.21E-07	4.19E-07	3.03E-08	7.70E-07
442	565741.1	4222613	2.95E-06	3.6E-06	1.90E-07	6.73E-06	1.56E-06	3.94E-06	1.90E-07	5.70E-06	3.87E-07	7.03E-07	6.20E-08	1.15E-06	2.99E-07	3.91E-07	2.83E-08	7.19E-07
443	565733.8	4222630	2.71E-06	3.31E-06	1.74E-07	6.20E-06	1.44E-06	3.63E-06	1.74E-07	5.24E-06	3.56E-07	6.47E-07	5.71E-08	1.06E-06	2.75E-07	3.60E-07	2.60E-08	6.62E-07
444	565726.6	4222646	2.48E-06	3.03E-06	1.60E-07	5.66E-06	1.31E-06	3.32E-06	1.60E-07	4.79E-06	3.25E-07	5.91E-07	5.22E-08	9.69E-07	2.52E-07	3.29E-07	2.38E-08	6.05E-07
445	565719.3	4222663	2.25E-06	2.74E-06	1.45E-07	5.14E-06	1.19E-06	3.01E-06	1.45E-07	4.34E-06	2.95E-07	5.36E-07	4.73E-08	8.78E-07	2.28E-07	2.98E-07	2.16E-08	5.48E-07
446	565712.1	4222679	2.01E-06	2.45E-06	1.29E-07	4.59E-06	1.06E-06	2.69E-06	1.29E-07	3.88E-06	2.64E-07	4.79E-07	4.23E-08	7.85E-07	2.04E-07	2.67E-07	1.93E-08	4.90E-07
447	565692.9	4222708	1.63E-06	1.99E-06	1.05E-07	3.72E-06	8.62E-07	2.18E-06	1.05E-07	3.14E-06	2.13E-07	3.88E-07	3.42E-08	6.36E-07	1.65E-07	2.16E-07	1.56E-08	3.97E-07
448	565684.5	4222711	1.57E-06	1.92E-06	1.01E-07	3.60E-06	8.35E-07	2.11E-06	1.01E-07	3.04E-06	2.07E-07	3.76E-07	3.31E-08	6.15E-07	1.60E-07	2.09E-07	1.51E-08	3.84E-07
449	565676.1	4222714	1.52E-06	1.86E-06	9.79E-08	3.48E-06	8.07E-07	2.04E-06	9.79E-08	2.94E-06	2.00E-07	3.63E-07	3.20E-08	5.95E-07	1.55E-07	2.02E-07	1.46E-08	3.71E-07
450	565659.4	4222721	1.41E-06	1.73E-06	9.11E-08	3.23E-06	7.50E-07	1.89E-06	9.11E-08	2.74E-06	1.86E-07	3.38E-07	2.98E-08	5.53E-07	1.44E-07	1.88E-07	1.36E-08	3.45E-07
451	565651	4222724	1.36E-06	1.66E-06	8.77E-08	3.11E-06	7.22E-07	1.82E-06	8.77E-08	2.63E-06	1.79E-07	3.25E-07	2.87E-08	5.32E-07	1.38E-07	1.81E-07	1.31E-08	3.32E-07
452	565625.9	4222734	1.18E-06	1.44E-06	7.61E-08	2.70E-06	6.26E-07	1.58E-06	7.61E-08	2.28E-06	1.55E-07	2.82E-07	2.49E-08	4.62E-07	1.20E-07	1.57E-07	1.14E-08	2.88E-07
453	565609.1	4222741	1.18E-06	1.44E-06	7.60E-08	2.70E-06	6.26E-07	1.58E-06	7.60E-08	2.28E-06	1.55E-07	2.82E-07	2.49E-08	4.62E-07	1.20E-07	1.57E-07	1.13E-08	2.88E-07
454	565600.7	4222744	1.13E-06	1.38E-06	7.25E-08	2.57E-06	5.97E-07	1.51E-06	7.25E-08	2.18E-06	1.48E-07	2.69E-07	2.37E-08	4.40E-07	1.14E-07	1.50E-07	1.08E-08	2.75E-07
455	565584	4222751	1.02E-06	1.25E-06	6.57E-08	2.33E-06	5.41E-07	1.37E-06	6.57E-08	1.97E-06	1.34E-07	2.44E-07	2.15E-08	3.99E-07	1.04E-07	1.36E-07	9.81E-09	2.49E-07
456	565788.1	4222506	3.76E-06	4.59E-06	2.42E-07	8.59E-06	1.99E-06	5.03E-06	2.42E-07	7.27E-06	4.94E-07	8.97E-07	7.92E-08	1.47E-06	3.82E-07	5.00E-07	3.61E-08	9.18E-07
457	565788.3	4222497	3.82E-06	4.67E-06	2.46E-07	8.74E-06	2.03E-06	5.12E-06	2.46E-07	7.39E-06	5.02E-07	9.12E-07	8.05E-08	1.49E-06	3.88E-07	5.08E-07	3.67E-08	9.33E-07
458	565788.6	4222488	3.88E-06	4.74E-06	2.50E-07	8.86E-06	2.06E-06	5.19E-06	2.50E-07	7.50E-06	5.09E-07	9.25E-07	8.17E-08	1.52E-06	3.94E-07	5.15E-07	3.73E-08	9.46E-07
459	565788.8	4222479	3.93E-06	4.79E-06	2.53E-07	8.97E-06	2.08E-06	5.26E-06	2.53E-07	7.59E-06	5.16E-07	9.37E-07	8.27E-08	1.53E-06	3.99E-07	5.21E-07	3.77E-08	9.58E-07
460	565762	4222588	3.17E-06	3.87E-06	2.04E-07	7.25E-06	1.68E-06	4.25E-06	2.04E-07	6.13E-06	4.17E-07	7.57E-07	6.68E-08	1.24E-06	3.22E-07	4.21E-07	3.05E-08	7.74E-07
461	565754.8	4222605	3E-06	3.66E-06	1.93E-07	6.85E-06	1.59E-06	4.01E-06	1.93E-07	5.79E-06	3.93E-07	7.15E-07	6.31E-08	1.17E-06	3.04E-07	3.98E-07	2.88E-08	7.31E-07
462	565751.2	4222613	2.9E-06	3.54E-06	1.87E-07	6.62E-06	1.54E-06	3.88E-06	1.87E-07	5.60E-06	3.81E-07	6.91E-07	6.10E-08	1.13E-06	2.94E-07	3.85E-07	2.78E-08	7.07E-07
463	565736.8	4222646	2.47E-06	3.01E-06	1.59E-07	5.63E-06	1.31E-06	3.30E-06	1.59E-07	4.77E-06	3.24E-07	5.88E-07	5.19E-08	9.64E-07	2.51E-07	3.27E-07	2.37E-08	6.02E-07
464	565733.3	4222654	2.36E-06	2.88E-06	1.52E-07	5.39E-06	1.25E-06	3.16E-06	1.52E-07	4.56E-06	3.10E-07	5.63E-07	4.97E-08	9.22E-07	2.40E-07	3.13E-07	2.27E-08	5.76E-07
465	565726.1	4222670	2.14E-06	2.61E-06	1.38E-07	4.89E-06	1.13E-06	2.86E-06	1.38E-07	4.13E-06	2.81E-07	5.10E-07	4.50E-08	8.36E-07	2.17E-07	2.84E-07	2.05E-08	5.22E-07
466	565718.9	4222687	1.91E-06	2.33E-06	1.23E-07	4.37E-06	1.01E-06	2.56E-06	1.23E-07	3.69E-06	2.51E-07	4.56E-07	4.02E-08	7.47E-07	1.94E-07	2.54E-07	1.83E-08	4.66E-07
467	565699.8	4222715	1.55E-06	1.9E-06	9.99E-08	3.55E-06	8.23E-07	2.08E-06	9.99E-08	3.00E-06	2.04E-07	3.70E-07	3.27E-08	6.07E-07	1.58E-07	2.06E-07	1.49E-08	3.79E-07
468	565691.4	4222718	1.5E-06	1.84E-06	9.68E-08	3.44E-06	7.97E-07	2.01E-06	9.68E-08	2.91E-06	1.97E-07	3.59E-07	3.17E-08	5.88E-07	1.53E-07	2.00E-07	1.44E-08	3.67E-07
469	565683.1	4222721	1.45E-06	1.78E-06	9.36E-08	3.32E-06	7.71E-07	1.95E-06	9.36E-08	2.81E-06	1.91E-07	3.47E-07	3.06E-08	5.69E-07	1.48E-07	1.93E-07	1.40E-08	3.55E-07
470	565666.5	4222728	1.35E-06	1.65E-06	8.71E-08	3.09E-06	7.18E-07	1.81E-06	8.71E-08	2.62E-06	1.78E-07	3.23E-07	2.85E-08	5.29E-07	1.38E-07	1.80E-07	1.30E-08	3.30E-07
471	565658.2	4222731	1.3E-06	1.59E-06	8.39E-08	2.98E-06	6.91E-07	1.75E-06	8.39E-08	2.52E-06	1.71E-07	3.11E-07	2.75E-08	5.10E-07	1.32E-07	1.73E-07	1.25E-08	3.18E-07
472	565624.9	4222745	1.09E-06	1.33E-06	7.00E-08	2.48E-06	5.76E-07	1.46E-06	7.00E-08	2.10E-06	1.43E-07	2.59E-07	2.29E-08	4.25E-07	1.10E-07	1.44E-07	1.04E-08	2.65E-07
473	565616.6	4222748	1.15E-06	1.4E-06	7.40E-08	2.63E-06	6.10E-07	1.54E-06	7.40E-08	2.22E-06	1.51E-07	2.74E-07	2.42E-08	4.50E-07	1.17E-07	1.53E-07	1.11E-08	2.81E-07
474	565599.9	4222755	1.05E-06	1.28E-06	6.74E-08	2.39E-06	5.55E-07	1.40E-06	6.74E-08	2.02E-06	1.38E-07	2.50E-07	2.21E-08	4.09E-07	1.06E-07	1.39E-07	1.01E-08	2.56E-07
475	565591.6	4222758	9.98E-07	1.22E-06	6.43E-08	2.28E-06	5.29E-07	1.34E-06	6.43E-08	1.93E-06	1.31E-07	2.38E-07	2.10E-08	3.90E-07	1.01E-07	1.33E-07	9.59E-09	2.44E-07
476	565798.2	4222497	3.67E-06	4.49E-06	2.36E-07	8.40E-06	1.95E-06	4.92E-06	2.36E-07	7.10E-06	4.83E-07	8.77E-07	7.74E-08	1.44E-06	3.73E-07	4.88E-07	3.53E-08	8.97E-07
477	565798.4	4222488	3.72E-06	4.55E-06	2.40E-07	8.51E-06	1.97E-06	4.99E-06	2.40E-07	7.20E-06	4.89E-07	8.88E-07	7.84E-08	1.46E-06	3.78E-07	4.95E-07	3.58E-08	9.09E-07
478	565798.6	4222479	3.77E-06	4.6E-06	2.43E-07	8.61E-06	2.00E-06	5.04E-06	2.43E-07	7.28E-06	4.95E-07	8.99E-07	7.93E-08	1.47E-06	3.83E-07	5.01E-07	3.62E-08	9.20E-07
479	565804.2	4222515	3.48E-06	4.25E-06	2.24E-07	7.95E-06	1.84E-06	4.66E-06	2.24E-07	6.73E-06	4.57E-07	8.30E-07	7.33E-08	1.36E-06	3.54E-07	4.62E-07	3.34E-08	8.49E-07
480	565779.2	4222572	3.23E-06	3.94E-06	2.08E-07	7.37E-06	1.71E-06	4.32E-06	2.08E-07	6.24E-06	4.24E-07	7.70E-07	6.79E-08	1.26E-06	3.28E-07	4.29E-07	3.10E-08	7.87E-07
481	565775.6	4222580	3.16E-06	3.86E-06	2.04E-07	7.23E-06	1.68E-06	4.24E-06	2.04E-07	6.12E-06	4.16E-07	7.55E-07	6.66E-08	1.24E-06	3.22E-07	4.20E-07	3.04E-08	7.72E-07
482	565768.5	4222596	3.02E-06	3.69E-06	1.94E-07	6.90E-06	1.60E-06	4.04E-06	1.94E-07	5.84E-06	3.96E-07	7.20E-07	6.36E-08	1.18E-06	3.07E-07	4.01E-07	2.90E-08	7.37E-07
483	565764.9	4222604	2.93E-06	3.58E-06	1.89E-07	6.71E-06	1.56E-06	3.93E-06	1.89E-07	5.67E-06	3.85E-07	7.00E-07	6.18E-08	1.15E-06	2.98E-07	3.90E-07	2.82E-08	7.16E-07
484	565757.8	4222621	2.75E-06	3.36E-06	1.77E-07	6.29E-06	1.46E-06	3.68E-06	1.77E-07	5.32E-06	3.61E-07	6.57E-07	5.80E-08	1.08E-06	2.80E-07	3.66E-07	2.64E-08	6.72E-07
485	565754.2	4222629	2.65E-06	3.24E-06	1.71E-07	6.06E-06	1.41E-06	3.55E-06	1.71E-07	5.13E-06	3.48E-07	6.33E-07	5.59E-08	1.04E-06	2.70E-07	3.52E-07	2.55E-08	6.48E-07
486	565747.1	4222645	2.45E-06	2.99E-06	1.58E-07	5.60E-06	1.30E-06	3.28E-06	1.58E-07	4.73E-06	3.22E-07	5.84E-07	5.16E-08	9.57E-07	2.49E-07	3.25E-07	2.35E-08	5.98E-07
487	565739.9	4222661	2.25E-06	2.74E-06	1.45E-07	5.14E-06	1.19E-06	3.01E-06	1.45E-07	4.34E-06	2.95E-07	5.36E-07	4.73E-08	8.78E-07	2.28E-07	2.98E-07	2.16E-08	5.48E-07
488	565732.8	4222678	2.03E-06	2.48E-06	1.31E-07	4.64E-06	1.08E-06	2.72E-06	1.31E-07	3.93E-06	2.67E-07	4.85E-07	4.28E-08	7.94E-07	2.07E-07	2.70E-07	1.95E-08	4.96E-07
489	565729.2	4222686	1.92E-06	2.35E-06	1.24E-07	4.39E-06	1.02E-06	2.57E-06	1.24E-07	3.72E-06	2.52E-07	4.59E-07	4.05E-08	7.52E-07	1.95E-07	2.55E-07	1.85E-08	4.69E-07
490	565706.7	4222722	1.48E-06	1.81E-06	9.55E-08	3.39E-06	7.86E-07	1.99E-06	9.55E-08	2.87E-06	1.95E-07	3.54E-07	3.12E-08	5.80E-07	1.51E-07	1.97E-07	1.43E-08	3.62E-07
491	565690.1	4222728	1.39E-06	1.7E-06	8.95E-08	3.18E-06	7.38E-07	1.86E-06	8.95E-08	2.69E-06	1.83E-07	3.32E-07	2.93E-08	5.44E-07	1.41E-07	1.85E-07	1.34E-08	3.40E-07
492	565673.6	4222735	1.3E-06	1.58E-06	8.35E-08	2.96E-06	6.87E-07	1.74E-06	8.35E-08	2.51E-06	1.70E-07	3.09E-07	2.73E-08	5.07E-07	1.32E-07	1.72E-07	1.25E-08	3.16E-07
493	565640.5	4222748	1.11E-06	1.35E-06	7.13E-08	2.53E-06	5.88E-07	1.48E-06	7.13E-08	2.14E-06	1.46E-07	2.64E-07	2.33E-08	4.33E-07	1.13E-07	1.47E-07	1.06E-08	2.71E-07
494	565624	4222755	1E-06	1.22E-06	6.45E-08	2.29E-06	5.31E-07	1.34E-06	6.45E-08	1.94E-06	1.32E-07	2.39E-07	2.11E-08	3.92E-07	1.02E-07	1.33E-07	9.63E-09	2.45E-07
495	565607.5	4222761	1.02E-06	1.25E-06	6.58E-08	2.34E-06	5.42E-07	1.37E-06	6.58E-08	1.98E-06	1.34E-07	2.44E-07	2.15E-08	4.00E-07	1.04E-07	1.36E-07	9.83E-09	2.50E-07
496	565590.9	4222768	9.32E-07	1.14E-06	6.00E-08	2.13E-06	4.94E-07	1.25E-06	6.00E-08	1.80E-06	1.22E-07	2.22E-07	1.96E-08	3.64E-07	9.47E-08	1.24E-07	8.96E-09	2.28E-07
497	565557.9	4222781	7.77E-07	9.48E-07	5.00E-08	1.78E-06	4.12E-07	1.04E-06	5.00E-08	1.50E-06	1.02E-07	1.85E-07	1.64E-08	3.04E-07	7.89E-08	1.03E-07	7.46E-09	1.90E-07
498	565808	4222497	3.53E-06	4.31E-06	2.27E-07	8.07E-06	1.87E-06	4.73E-06	2.27E-07	6.82E-06	4.64E-07	8.42E-07	7.43E-08	1.38E-06	3.59E-07	4.69E-07	3.39E-08	8.61E-07
499	565808.2	4222488	3.57E-06	4.36E-06	2.30E-07	8.16E-06	1.89E-06	4.78E-06	2.30E-07	6.90E-06	4.69E-07	8.52E-07	7.52E-08	1.40E-06	3.63E-07	4.74E-07	3.43E-08	8.71E-07
500	565808.4	4222479	3.61E-06	4.41E-06	2.32E-07	8.26E-06	1.92E-06	4.84E-06	2.32E-07	6.98E-06	4.74E-07	8.62E-07	7.61E-08	1.41E-06	3.67E-07	4.80E-07	3.47E-08	8.82E-07
501	565824.3	4222515	3.23E-06	3.95E-06	2.08E-07	7.38E-06	1.71E-06	4.33E-06	2.08E-07	6.25E-06	4.24E-07	7.71E-07	6.80E-08	1.26E-06	3.28E-07	4.29E-07	3.10E-08	7.89E-07
502	565817.2	4222531	3.21E-06	3.92E-06	2.07E-07	7.34E-06	1.70E-06	4.30E-06	2.07E-07	6.20E-06	4.21E-07	7.66E-07	6.76E-08	1.25E-06	3.26E-07	4.26E-07	3.08E-08	7.83E-07
503	565803.1	4222563	3.09E-06	3.77E-06	1.99E-07	7.05E-06	1.64E-06	4.13E-06	1.99E-07	5.97E-06	4.05E-07	7.36E-07	6.50E-08	1.21E-06	3.14E-07	4.10E-07	2.97E-08	7.53E-07
504	565796	4222580	2.99E-06	3.65E-06	1.92E-07	6.83E-06	1.58E-06	4.00E-06	1.92E-07	5.78E-06	3.93E-07	7.13E-07	6.29E-08	1.17E-06	3.04E-07	3.97E-07	2.87E-08	7.30E-07
505	565788.9	4222596	2.88E-06	3.52E-06	1.85E-07	6.58E-06	1.53E-06	3.85E-06	1.85E-07	5.57E-06	3.78E-07	6.87E-07	6.06E-08	1.13E-06	2.93E-07	3.82E-07	2.77E-08	7.03E-07
506	565785.4	4222604	2.81E-06	3.44E-06	1.81E-07	6.43E-06	1.49E-06	3.77E-06	1.81E-07	5.44E-06	3.70E-07	6.71E-07	5.93E-08	1.10E-06	2.86E-07	3.74E-07	2.70E-08	6.87E-07
507	565778.3	4222620	2.66E-06	3.25E-06	1.71E-07	6.08E-06	1.41E-06	3.56E-06	1.71E-07	5.15E-06	3.50E-07	6.35E-07	5.61E-08	1.04E-06	2.71E-07	3.54E-07	2.56E-08	6.50E-07
508	565771.2	4222636	2.49E-06	3.04E-06	1.60E-07	5.70E-06	1.32E-06	3.34E-06	1.60E-07	4.82E-06	3.27E-07	5.95E-07	5.25E-08	9.74E-07	2.53E-07	3.31E-07	2.39E-08	6.08E-07
509	565757.1	4222668	2.13E-06	2.6E-06	1.37E-07	4.86E-06	1.13E-06	2.85E-06	1.37E-07	4.11E-06	2.79E-07	5.07E-07	4.48E-08	8.31E-07	2.16E-07	2.82E-07	2.04E-08	5.19E-07
510	565750	4222684	1.93E-06	2.36E-06	1.25E-07	4.42E-06	1.03E-06	2.59E-06	1.25E-07	3.74E-06	2.54E-07	4.62E-07	4.08E-08	7.56E-07	1.97E-07	2.57E-07	1.86E-08	4.72E-07
511	565743	4222701	1.74E-06	2.13E-06	1.12E-07	3.99E-06	9.24E-07	2.33E-06	1.12E-07	3.37E-06	2.29E-07	4.16E-07	3.67E-08	6.82E-07	1.77E-07	2.32E-07	1.68E-08	4.26E-07
512	565720.7	4222736	1.36E-06	1.66E-06	8.75E-08	3.11E-06	7.21E-07	1.82E-06	8.75E-08	2.63E-06	1.79E-07	3.24E-07	2.86E-08	5.32E-07	1.38E-07	1.81E-07	1.31E-08	3.32E-07
513	565704.3	4222743	1.28E-06	1.56E-06	8.21E-08	2.91E-06	6.76E-07	1.71E-06	8.21E-08	2.47E-06	1.67E-07	3.04E-07	2.69E-08	4.99E-07	1.30E-07	1.69E-07	1.23E-08	3.11E-07
514	565687.9	4222749	1.19E-06	1.45E-06	7.66E-08	2.72E-06	6.31E-07	1.59E-06	7.66E-08	2.30E-06	1.56E-07	2.84E-07	2.51E-08	4.66E-07	1.21E-07	1.58E-07	1.14E-08	2.91E-07
515	565655.2	4222762	1.03E-06	1.25E-06	6.61E-08	2.35E-06	5.44E-07	1.37E-06	6.61E-08	1.99E-06	1.35E-07	2.45E-07	2.16E-08	4.01E-07	1.04E-07	1.36E-07	9.86E-09	2.51E-07
516	565638.9	4222769	9.45E-07	1.15E-06	6.08E-08	2.16E-06	5.01E-07	1.27E-06	6.08E-08	1.83E-06	1.24E-07	2.26E-07	1.99E-08	3.70E-07	9.61E-08	1.26E-07	9.08E-09	2.31E-07
517	565622.5	4222775	8.58E-07	1.05E-06	5.52E-08	1.96E-06	4.55E-07	1.15E-06	5.52E-08	1.66E-06	1.13E-07	2.05E-07	1.81E-08	3.35E-07	8.72E-08	1.14E-07	8.24E-09	2.09E-07
518	565606.2	4222782	8.91E-07	1.09E-06	5.74E-08	2.04E-06	4.73E-07	1.19E-06	5.74E-08	1.72E-06	1.17E-07	2.13E-07	1.88E-08	3.48E-07	9.06E-08	1.18E-07	8.56E-09	2.18E-07
519	565589.8	4222788	8.17E-07	9.98E-07	5.26E-08	1.87E-06	4.33E-07	1.09E-06	5.26E-08	1.58E-06	1.07E-07	1.95E-07	1.72E-08	3.19E-07	8.30E-08	1.09E-07	7.85E-09	1.99E-07
520	565557.1	4222801	6.88E-07	8.41E-07	4.43E-08	1.57E-06	3.65E-07	9.22E-07	4.43E-08	1.33E-06	9.04E-08	1.64E-07	1.45E-08	2.69E-07	7.00E-08	9.15E-08	6.62E-09	1.68E-07
521	565828	4222498	3.25E-06	3.97E-06	2.09E-07	7.43E-06	1.72E-06	4.35E-06	2.09E-07	6.29E-06	4.27E-07	7.76E-07	6.85E-08	1.27E-06	3.31E-07	4.32E-07	3.13E-08	7.94E-07
522	565828.2	4222489	3.28E-06	4E-06	2.11E-07	7.49E-06	1.74E-06	4.39E-06	2.11E-07	6.34E-06	4.30E-07	7.82E-07	6.90E-08	1.28E-06	3.33E-07	4.35E-07	3.15E-08	8.00E-07
523	565828.4	4222480	3.31E-06	4.05E-06	2.13E-07	7.57E-06	1.76E-06	4.44E-06	2.13E-07	6.41E-06	4.35E-07	7.90E-07	6.98E-08	1.30E-06	3.37E-07	4.40E-07	3.18E-08	8.09E-07
524	565844.2	4222516	2.99E-06	3.65E-06	1.93E-07	6.84E-06	1.59E-06	4.01E-06	1.93E-07	5.78E-06	3.93E-07	7.14E-07	6.30E-08	1.17E-06	3.04E-07	3.97E-07	2.87E-08	7.30E-07
525	565840.5	4222524	3E-06	3.66E-06	1.93E-07	6.86E-06	1.59E-06	4.02E-06	1.93E-07	5.80E-06	3.94E-07	7.16E-07	6.32E-08	1.17E-06	3.05E-07	3.98E-07	2.88E-08	7.32E-07
526	565833.3	4222541	2.99E-06	3.65E-06	1.92E-07	6.83E-06	1.58E-06	4.00E-06	1.92E-07	5.77E-06	3.92E-07	7.12E-07	6.29E-08	1.17E-06	3.03E-07	3.97E-07	2.87E-08	7.29E-07
527	565829.7	4222549	2.96E-06	3.62E-06	1.91E-07	6.78E-06	1.57E-06	3.97E-06	1.91E-07	5.73E-06	3.89E-07	7.07E-07	6.24E-08	1.16E-06	3.01E-07	3.94E-07	2.85E-08	7.23E-07
528	565815.2	4222582	2.81E-06	3.44E-06	1.81E-07	6.43E-06	1.49E-06	3.77E-06	1.81E-07	5.44E-06	3.69E-07	6.71E-07	5.93E-08	1.10E-06	2.86E-07	3.74E-07	2.70E-08	6.87E-07
529	565807.9	4222598	2.72E-06	3.32E-06	1.75E-07	6.21E-06	1.44E-06	3.64E-06	1.75E-07	5.25E-06	3.57E-07	6.48E-07	5.72E-08	1.06E-06	2.76E-07	3.61E-07	2.61E-08	6.63E-07
530	565800.7	4222615	2.6E-06	3.17E-06	1.67E-07	5.94E-06	1.38E-06	3.48E-06	1.67E-07	5.02E-06	3.41E-07	6.20E-07	5.47E-08	1.02E-06	2.64E-07	3.45E-07	2.50E-08	6.34E-07
531	565793.4	4222631	2.46E-06	3E-06	1.58E-07	5.62E-06	1.30E-06	3.29E-06	1.58E-07	4.75E-06	3.23E-07	5.86E-07	5.18E-08	9.61E-07	2.50E-07	3.27E-07	2.36E-08	6.00E-07
532	565786.2	4222648	2.3E-06	2.81E-06	1.48E-07	5.25E-06	1.22E-06	3.08E-06	1.48E-07	4.45E-06	3.02E-07	5.49E-07	4.84E-08	8.99E-07	2.34E-07	3.05E-07	2.21E-08	5.61E-07
533	565775.3	4222673	2.04E-06	2.5E-06	1.32E-07	4.67E-06	1.08E-06	2.74E-06	1.32E-07	3.95E-06	2.68E-07	4.87E-07	4.30E-08	7.99E-07	2.08E-07	2.71E-07	1.96E-08	4.99E-07
534	565768.1	4222689	1.87E-06	2.28E-06	1.20E-07	4.27E-06	9.90E-07	2.50E-06	1.20E-07	3.61E-06	2.45E-07	4.45E-07	3.93E-08	7.30E-07	1.90E-07	2.48E-07	1.79E-08	4.56E-07
535	565760.8	4222706	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.97E-07	2.27E-06	1.09E-07	3.27E-06	2.22E-07	4.04E-07	3.56E-08	6.62E-07	1.72E-07	2.25E-07	1.63E-08	4.13E-07
536	565753.6	4222722	1.52E-06	1.86E-06	9.80E-08	3.48E-06	8.07E-07	2.04E-06	9.80E-08	2.94E-06	2.00E-07	3.63E-07	3.21E-08	5.95E-07	1.55E-07	2.02E-07	1.46E-08	3.72E-07
537	565734.4	4222751	1.26E-06	1.54E-06	8.09E-08	2.87E-06	6.66E-07	1.68E-06	8.09E-08	2.43E-06	1.65E-07	3.00E-07	2.65E-08	4.91E-07	1.28E-07	1.67E-07	1.21E-08	3.07E-07
538	565726	4222754	1.22E-06	1.49E-06	7.84E-08	2.78E-06	6.45E-07	1.63E-06	7.84E-08	2.35E-06	1.60E-07	2.90E-07	2.56E-08	4.76E-07	1.24E-07	1.62E-07	1.17E-08	2.97E-07
539	565709.2	4222761	1.13E-06	1.38E-06	7.29E-08	2.59E-06	6.01E-07	1.52E-06	7.29E-08	2.19E-06	1.49E-07	2.70E-07	2.39E-08	4.43E-07	1.15E-07	1.50E-07	1.09E-08	2.77E-07
540	565700.8	4222764	1.09E-06	1.33E-06	7.02E-08	2.49E-06	5.79E-07	1.46E-06	7.02E-08	2.11E-06	1.43E-07	2.60E-07	2.30E-08	4.27E-07	1.11E-07	1.45E-07	1.05E-08	2.66E-07
541	565667.3	4222777	9.4E-07	1.15E-06	6.05E-08	2.15E-06	4.98E-07	1.26E-06	6.05E-08	1.82E-06	1.23E-07	2.24E-07	1.98E-08	3.68E-07	9.55E-08	1.25E-07	9.03E-09	2.29E-07
542	565650.5	4222784	8.7E-07	1.06E-06	5.60E-08	1.99E-06	4.61E-07	1.17E-06	5.60E-08	1.68E-06	1.14E-07	2.08E-07	1.83E-08	3.40E-07	8.84E-08	1.16E-07	8.36E-09	2.12E-07
543	565642.1	4222787	8.36E-07	1.02E-06	5.38E-08	1.91E-06	4.43E-07	1.12E-06	5.38E-08	1.62E-06	1.10E-07	1.99E-07	1.76E-08	3.27E-07	8.49E-08	1.11E-07	8.03E-09	2.04E-07
544	565625.4	4222794	7.59E-07	9.27E-07	4.89E-08	1.73E-06	4.02E-07	1.02E-06	4.89E-08	1.47E-06	9.97E-08	1.81E-07	1.60E-08	2.97E-07	7.71E-08	1.01E-07	7.29E-09	1.85E-07
545	565617	4222797	7.46E-07	9.11E-07	4.80E-08	1.70E-06	3.95E-07	9.99E-07	4.80E-08	1.44E-06	9.80E-08	1.78E-07	1.57E-08	2.92E-07	7.58E-08	9.91E-08	7.17E-09	1.82E-07
546	565558.3	4222821	5.64E-07	6.89E-07	3.63E-08	1.29E-06	2.99E-07	7.56E-07	3.63E-08	1.09E-06	7.41E-08	1.35E-07	1.19E-08	2.21E-07	5.74E-08	7.50E-08	5.42E-09	1.38E-07
547	565848	4222498	3.01E-06	3.67E-06	1.94E-07	6.88E-06	1.59E-06	4.03E-06	1.94E-07	5.82E-06	3.95E-07	7.18E-07	6.33E-08	1.18E-06	3.06E-07	4.00E-07	2.89E-08	7.34E-07

548	565848.2	4222489	3.03E-06	3.7E-06	1.95E-07	6.93E-06	1.61E-06	4.06E-06	1.95E-07	5.86E-06	3.98E-07	7.23E-07	6.38E-08	1.19E-06	3.08E-07	4.03E-07	2.91E-08	7.40E-07
549	565848.4	4222480	3.06E-06	3.73E-06	1.97E-07	6.99E-06	1.62E-06	4.09E-06	1.97E-07	5.91E-06	4.02E-07	7.29E-07	6.44E-08	1.20E-06	3.11E-07	4.06E-07	2.94E-08	7.46E-07
550	565864.2	4222516	2.79E-06	3.4E-06	1.79E-07	6.37E-06	1.48E-06	3.73E-06	1.79E-07	5.39E-06	3.66E-07	6.65E-07	5.87E-08	1.09E-06	2.83E-07	3.70E-07	2.68E-08	6.80E-07
551	565860.6	4222524	2.8E-06	3.42E-06	1.80E-07	6.40E-06	1.48E-06	3.75E-06	1.80E-07	5.41E-06	3.68E-07	6.68E-07	5.89E-08	1.09E-06	2.84E-07	3.72E-07	2.69E-08	6.83E-07
552	565853.4	4222541	2.81E-06	3.43E-06	1.81E-07	6.42E-06	1.49E-06	3.76E-06	1.81E-07	5.43E-06	3.69E-07	6.71E-07	5.92E-08	1.10E-06	2.86E-07	3.73E-07	2.70E-08	6.86E-07
553	565849.9	4222549	2.8E-06	3.42E-06	1.80E-07	6.40E-06	1.49E-06	3.75E-06	1.80E-07	5.42E-06	3.68E-07	6.68E-07	5.90E-08	1.10E-06	2.85E-07	3.72E-07	2.69E-08	6.84E-07
554	565831.9	4222590	2.63E-06	3.22E-06	1.69E-07	6.02E-06	1.40E-06	3.53E-06	1.69E-07	5.09E-06	3.46E-07	6.28E-07	5.55E-08	1.03E-06	2.68E-07	3.50E-07	2.53E-08	6.43E-07
555	565828.3	4222598	2.58E-06	3.15E-06	1.66E-07	5.90E-06	1.37E-06	3.46E-06	1.66E-07	4.99E-06	3.39E-07	6.16E-07	5.44E-08	1.01E-06	2.63E-07	3.43E-07	2.48E-08	6.30E-07
556	565821.2	4222614	2.48E-06	3.03E-06	1.60E-07	5.67E-06	1.32E-06	3.32E-06	1.60E-07	4.80E-06	3.26E-07	5.92E-07	5.22E-08	9.70E-07	2.52E-07	3.30E-07	2.38E-08	6.05E-07
557	565814	4222631	2.37E-06	2.9E-06	1.53E-07	5.42E-06	1.26E-06	3.18E-06	1.53E-07	4.59E-06	3.12E-07	5.66E-07	5.00E-08	9.28E-07	2.41E-07	3.15E-07	2.28E-08	5.79E-07
558	565810.4	4222639	2.31E-06	2.82E-06	1.49E-07	5.28E-06	1.22E-06	3.09E-06	1.49E-07	4.47E-06	3.03E-07	5.51E-07	4.86E-08	9.03E-07	2.35E-07	3.07E-07	2.22E-08	5.64E-07
559	565803.2	4222655	2.17E-06	2.65E-06	1.40E-07	4.96E-06	1.15E-06	2.90E-06	1.40E-07	4.19E-06	2.85E-07	5.18E-07	4.57E-08	8.48E-07	2.20E-07	2.88E-07	2.08E-08	5.29E-07
560	565799.7	4222663	2.1E-06	2.56E-06	1.35E-07	4.79E-06	1.11E-06	2.81E-06	1.35E-07	4.05E-06	2.75E-07	5.00E-07	4.41E-08	8.19E-07	2.13E-07	2.78E-07	2.01E-08	5.11E-07
561	565788.9	4222688	1.86E-06	2.28E-06	1.20E-07	4.26E-06	9.88E-07	2.50E-06	1.20E-07	3.60E-06	2.45E-07	4.45E-07	3.92E-08	7.29E-07	1.89E-07	2.48E-07	1.79E-08	4.55E-07
562	565781.7	4222704	1.71E-06	2.08E-06	1.10E-07	3.90E-06	9.04E-07	2.28E-06	1.10E-07	3.30E-06	2.24E-07	4.07E-07	3.59E-08	6.67E-07	1.73E-07	2.27E-07	1.64E-08	4.16E-07
563	565774.6	4222721	1.55E-06	1.89E-06	9.98E-08	3.54E-06	8.22E-07	2.08E-06	9.98E-08	3.00E-06	2.04E-07	3.70E-07	3.26E-08	6.06E-07	1.58E-07	2.06E-07	1.49E-08	3.78E-07
564	565771	4222729	1.47E-06	1.8E-06	9.48E-08	3.37E-06	7.81E-07	1.97E-06	9.48E-08	2.85E-06	1.94E-07	3.52E-07	3.10E-08	5.76E-07	1.50E-07	1.96E-07	1.42E-08	3.60E-07
565	565748.3	4222765	1.16E-06	1.42E-06	7.46E-08	2.65E-06	6.15E-07	1.55E-06	7.46E-08	2.24E-06	1.52E-07	2.77E-07	2.44E-08	4.53E-07	1.18E-07	1.54E-07	1.11E-08	2.83E-07
566	565731.7	4222771	1.09E-06	1.33E-06	7.03E-08	2.50E-06	5.79E-07	1.46E-06	7.03E-08	2.11E-06	1.43E-07	2.60E-07	2.30E-08	4.27E-07	1.11E-07	1.45E-07	1.05E-08	2.66E-07
567	565723.5	4222775	1.05E-06	1.29E-06	6.78E-08	2.41E-06	5.58E-07	1.41E-06	6.78E-08	2.04E-06	1.38E-07	2.51E-07	2.22E-08	4.12E-07	1.07E-07	1.40E-07	1.01E-08	2.57E-07
568	565706.9	4222781	9.77E-07	1.19E-06	6.29E-08	2.23E-06	5.18E-07	1.31E-06	6.29E-08	1.89E-06	1.28E-07	2.33E-07	2.06E-08	3.82E-07	9.93E-08	1.30E-07	9.38E-09	2.38E-07
569	565682	4222791	8.75E-07	1.07E-06	5.63E-08	2.00E-06	4.64E-07	1.17E-06	5.63E-08	1.69E-06	1.15E-07	2.09E-07	1.84E-08	3.42E-07	8.89E-08	1.16E-07	8.41E-09	2.14E-07
570	565665.4	4222798	8.11E-07	9.91E-07	5.22E-08	1.85E-06	4.30E-07	1.09E-06	5.22E-08	1.57E-06	1.07E-07	1.94E-07	1.71E-08	3.17E-07	8.25E-08	1.08E-07	7.80E-09	1.98E-07
571	565657.1	4222801	7.82E-07	9.55E-07	5.03E-08	1.79E-06	4.14E-07	1.05E-06	5.03E-08	1.51E-06	1.03E-07	1.86E-07	1.65E-08	3.06E-07	7.94E-08	1.04E-07	7.51E-09	1.91E-07
572	565640.5	4222808	7.23E-07	8.84E-07	4.66E-08	1.65E-06	3.84E-07	9.69E-07	4.66E-08	1.40E-06	9.50E-08	1.73E-07	1.52E-08	2.83E-07	7.35E-08	9.61E-08	6.95E-09	1.77E-07
573	565607.3	4222821	6.18E-07	7.55E-07	3.98E-08	1.41E-06	3.28E-07	8.28E-07	3.98E-08	1.20E-06	8.12E-08	1.47E-07	1.30E-08	2.42E-07	6.28E-08	8.21E-08	5.94E-09	1.51E-07
574	565599	4222824	5.96E-07	7.27E-07	3.83E-08	1.36E-06	3.16E-07	7.97E-07	3.83E-08	1.15E-06	7.82E-08	1.42E-07	1.25E-08	2.33E-07	6.05E-08	7.91E-08	5.72E-09	1.45E-07
575	565557.5	4222841	5.1E-07	6.23E-07	3.28E-08	1.17E-06	2.71E-07	6.83E-07	3.28E-08	9.86E-07	6.70E-08	1.22E-07	1.07E-08	1.99E-07	5.18E-08	6.78E-08	4.90E-09	1.25E-07
576	565868	4222499	2.8E-06	3.42E-06	1.80E-07	6.40E-06	1.49E-06	3.75E-06	1.80E-07	5.42E-06	3.68E-07	6.68E-07	5.90E-08	1.10E-06	2.85E-07	3.72E-07	2.69E-08	6.84E-07
577	565868.2	4222490	2.82E-06	3.45E-06	1.82E-07	6.45E-06	1.50E-06	3.78E-06	1.82E-07	5.46E-06	3.71E-07	6.73E-07	5.94E-08	1.10E-06	2.87E-07	3.75E-07	2.71E-08	6.89E-07
578	565868.4	4222481	2.84E-06	3.47E-06	1.83E-07	6.50E-06	1.51E-06	3.81E-06	1.83E-07	5.49E-06	3.73E-07	6.78E-07	5.99E-08	1.11E-06	2.89E-07	3.78E-07	2.73E-08	6.94E-07
579	565884.2	4222517	2.61E-06	3.19E-06	1.68E-07	5.97E-06	1.38E-06	3.50E-06	1.68E-07	5.05E-06	3.43E-07	6.23E-07	5.50E-08	1.02E-06	2.65E-07	3.47E-07	2.51E-08	6.37E-07
580	565877.1	4222533	2.63E-06	3.21E-06	1.69E-07	6.01E-06	1.39E-06	3.52E-06	1.69E-07	5.09E-06	3.45E-07	6.28E-07	5.54E-08	1.03E-06	2.67E-07	3.49E-07	2.53E-08	6.42E-07
581	565873.6	4222541	2.64E-06	3.22E-06	1.70E-07	6.02E-06	1.40E-06	3.53E-06	1.70E-07	5.09E-06	3.46E-07	6.29E-07	5.55E-08	1.03E-06	2.68E-07	3.50E-07	2.53E-08	6.43E-07
582	565866.5	4222557	2.62E-06	3.2E-06	1.69E-07	5.99E-06	1.39E-06	3.51E-06	1.69E-07	5.07E-06	3.44E-07	6.25E-07	5.52E-08	1.02E-06	2.66E-07	3.48E-07	2.52E-08	6.39E-07
583	565859.4	4222573	2.58E-06	3.15E-06	1.66E-07	5.90E-06	1.37E-06	3.46E-06	1.66E-07	4.99E-06	3.39E-07	6.16E-07	5.43E-08	1.01E-06	2.62E-07	3.43E-07	2.48E-08	6.30E-07
584	565845.1	4222606	2.44E-06	2.98E-06	1.57E-07	5.57E-06	1.29E-06	3.26E-06	1.57E-07	4.71E-06	3.20E-07	5.82E-07	5.14E-08	9.53E-07	2.48E-07	3.24E-07	2.34E-08	5.95E-07
585	565841.6	4222614	2.39E-06	2.92E-06	1.54E-07	5.46E-06	1.27E-06	3.20E-06	1.54E-07	4.62E-06	3.14E-07	5.70E-07	5.03E-08	9.34E-07	2.43E-07	3.17E-07	2.30E-08	5.83E-07
586	565834.5	4222630	2.29E-06	2.79E-06	1.47E-07	5.22E-06	1.21E-06	3.06E-06	1.47E-07	4.42E-06	3.00E-07	5.45E-07	4.81E-08	8.94E-07	2.32E-07	3.04E-07	2.20E-08	5.58E-07
587	565827.4	4222646	2.17E-06	2.65E-06	1.40E-07	4.97E-06	1.15E-06	2.91E-06	1.40E-07	4.20E-06	2.85E-07	5.19E-07	4.58E-08	8.50E-07	2.21E-07	2.89E-07	2.09E-08	5.31E-07
588	565823.8	4222654	2.11E-06	2.58E-06	1.36E-07	4.83E-06	1.12E-06	2.83E-06	1.36E-07	4.08E-06	2.77E-07	5.04E-07	4.45E-08	8.26E-07	2.15E-07	2.81E-07	2.03E-08	5.16E-07
589	565816.7	4222671	1.98E-06	2.42E-06	1.27E-07	4.53E-06	1.05E-06	2.65E-06	1.27E-07	3.83E-06	2.60E-07	4.73E-07	4.17E-08	7.74E-07	2.01E-07	2.63E-07	1.90E-08	4.83E-07
590	565799	4222711	1.63E-06	1.99E-06	1.05E-07	3.73E-06	8.65E-07	2.18E-06	1.05E-07	3.15E-06	2.14E-07	3.89E-07	3.43E-08	6.38E-07	1.66E-07	2.17E-07	1.57E-08	3.98E-07
591	565791.9	4222727	1.49E-06	1.82E-06	9.61E-08	3.41E-06	7.92E-07	2.00E-06	9.61E-08	2.89E-06	1.96E-07	3.56E-07	3.15E-08	5.84E-07	1.52E-07	1.98E-07	1.44E-08	3.65E-07
592	565784.8	4222743	1.36E-06	1.66E-06	8.73E-08	3.10E-06	7.19E-07	1.82E-06	8.73E-08	2.62E-06	1.78E-07	3.24E-07	2.86E-08	5.30E-07	1.38E-07	1.80E-07	1.30E-08	3.31E-07
593	565762.3	4222779	1.07E-06	1.31E-06	6.88E-08	2.44E-06	5.67E-07	1.43E-06	6.88E-08	2.07E-06	1.40E-07	2.55E-07	2.25E-08	4.18E-07	1.09E-07	1.42E-07	1.03E-08	2.61E-07
594	565745.9	4222786	1.01E-06	1.23E-06	6.50E-08	2.31E-06	5.36E-07	1.35E-06	6.50E-08	1.95E-06	1.33E-07	2.41E-07	2.13E-08	3.95E-07	1.03E-07	1.34E-07	9.70E-09	2.47E-07
595	565729.4	4222792	9.48E-07	1.16E-06	6.10E-08	2.17E-06	5.02E-07	1.27E-06	6.10E-08	1.83E-06	1.24E-07	2.26E-07	2.00E-08	3.71E-07	9.63E-08	1.26E-07	9.11E-09	2.31E-07
596	565696.6	4222805	8.22E-07	1E-06	5.29E-08	1.88E-06	4.36E-07	1.10E-06	5.29E-08	1.59E-06	1.08E-07	1.96E-07	1.73E-08	3.21E-07	8.35E-08	1.09E-07	7.90E-09	2.01E-07
597	565680.1	4222812	7.61E-07	9.3E-07	4.90E-08	1.74E-06	4.04E-07	1.02E-06	4.90E-08	1.47E-06	1.00E-07	1.82E-07	1.60E-08	2.98E-07	7.74E-08	1.01E-07	7.31E-09	1.86E-07
598	565663.7	4222819	7.06E-07	8.63E-07	4.55E-08	1.61E-06	3.75E-07	9.46E-07	4.55E-08	1.37E-06	9.28E-08	1.69E-07	1.49E-08	2.76E-07	7.18E-08	9.39E-08	6.79E-09	1.72E-07
599	565647.2	4222825	6.58E-07	8.03E-07	4.23E-08	1.50E-06	3.49E-07	8.81E-07	4.23E-08	1.27E-06	8.64E-08	1.57E-07	1.39E-08	2.57E-07	6.68E-08	8.74E-08	6.32E-09	1.61E-07
600	565614.4	4222838	5.67E-07	6.92E-07	3.65E-08	1.30E-06	3.00E-07	7.59E-07	3.65E-08	1.10E-06	7.44E-08	1.35E-07	1.19E-08	2.22E-07	5.76E-08	7.53E-08	5.44E-09	1.38E-07
601	565556.8	4222861	4.61E-07	5.63E-07	2.97E-08	1.05E-06	2.45E-07	6.18E-07	2.97E-08	8.92E-07	6.06E-08	1.10E-07	9.72E-09	1.80E-07	4.69E-08	6.13E-08	4.43E-09	1.13E-07
602	565888	4222499	2.62E-06	3.2E-06	1.69E-07	5.99E-06	1.39E-06	3.51E-06	1.69E-07	5.07E-06	3.44E-07	6.25E-07	5.52E-08	1.02E-06	2.66E-07	3.48E-07	2.52E-08	6.39E-07
603	565888.2	4222490	2.64E-06	3.22E-06	1.70E-07	6.03E-06	1.40E-06	3.53E-06	1.70E-07	5.10E-06	3.46E-07	6.29E-07	5.55E-08	1.03E-06	2.68E-07	3.50E-07	2.53E-08	6.43E-07
604	565888.4	4222481	2.65E-06	3.24E-06	1.71E-07	6.06E-06	1.41E-06	3.55E-06	1.71E-07	5.13E-06	3.48E-07	6.33E-07	5.59E-08	1.04E-06	2.70E-07	3.52E-07	2.55E-08	6.48E-07
605	565904.1	4222517	2.44E-06	2.98E-06	1.57E-07	5.58E-06	1.29E-06	3.27E-06	1.57E-07	4.72E-06	3.20E-07	5.82E-07	5.14E-08	9.54E-07	2.48E-07	3.24E-07	2.34E-08	5.95E-07
606	565900.5	4222525	2.45E-06	3E-06	1.58E-07	5.61E-06	1.30E-06	3.29E-06	1.58E-07	4.75E-06	3.22E-07	5.86E-07	5.17E-08	9.60E-07	2.49E-07	3.26E-07	2.36E-08	5.99E-07
607	565893.3	4222542	2.47E-06	3.02E-06	1.59E-07	5.65E-06	1.31E-06	3.31E-06	1.59E-07	4.78E-06	3.25E-07	5.90E-07	5.21E-08	9.67E-07	2.51E-07	3.28E-07	2.38E-08	6.03E-07
608	565889.6	4222550	2.47E-06	3.02E-06	1.59E-07	5.65E-06	1.31E-06	3.31E-06	1.59E-07	4.78E-06	3.25E-07	5.90E-07	5.20E-08	9.66E-07	2.51E-07	3.28E-07	2.37E-08	6.03E-07
609	565882.4	4222567	2.45E-06	2.99E-06	1.58E-07	5.60E-06	1.30E-06	3.28E-06	1.58E-07	4.73E-06	3.21E-07	5.84E-07	5.16E-08	9.57E-07	2.49E-07	3.25E-07	2.35E-08	5.98E-07
610	565875.1	4222583	2.41E-06	2.95E-06	1.55E-07	5.51E-06	1.28E-06	3.23E-06	1.55E-07	4.66E-06	3.17E-07	5.75E-07	5.08E-08	9.43E-07	2.45E-07	3.20E-07	2.32E-08	5.89E-07
611	565860.6	4222616	2.28E-06	2.78E-06	1.47E-07	5.21E-06	1.21E-06	3.05E-06	1.47E-07	4.41E-06	2.99E-07	5.44E-07	4.80E-08	8.91E-07	2.32E-07	3.03E-07	2.19E-08	5.56E-07
612	565857	4222625	2.23E-06	2.72E-06	1.44E-07	5.10E-06	1.18E-06	2.99E-06	1.44E-07	4.31E-06	2.93E-07	5.32E-07	4.70E-08	8.72E-07	2.27E-07	2.96E-07	2.14E-08	5.44E-07
613	565849.7	4222641	2.13E-06	2.6E-06	1.37E-07	4.86E-06	1.13E-06	2.85E-06	1.37E-07	4.11E-06	2.79E-07	5.07E-07	4.48E-08	8.31E-07	2.16E-07	2.82E-07	2.04E-08	5.19E-07
614	565842.5	4222658	2.02E-06	2.47E-06	1.30E-07	4.62E-06	1.07E-06	2.70E-06	1.30E-07	3.91E-06	2.65E-07	4.82E-07	4.25E-08	7.90E-07	2.05E-07	2.68E-07	1.94E-08	4.93E-07
615	565835.2	4222674	1.9E-06	2.32E-06	1.22E-07	4.34E-06	1.01E-06	2.54E-06	1.22E-07	3.67E-06	2.49E-07	4.53E-07	4.00E-08	7.42E-07	1.93E-07	2.52E-07	1.82E-08	4.63E-07
616	565828	4222691	1.76E-06	2.15E-06	1.13E-07	4.02E-06	9.33E-07	2.36E-06	1.13E-07	3.40E-06	2.31E-07	4.20E-07	3.71E-08	6.88E-07	1.79E-07	2.34E-07	1.69E-08	4.30E-07
617	565824.3	4222699	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.97E-07	2.27E-06	1.09E-07	3.27E-06	2.22E-07	4.04E-07	3.56E-08	6.62E-07	1.72E-07	2.25E-07	1.63E-08	4.13E-07
618	565817.1	4222716	1.57E-06	1.91E-06	1.01E-07	3.58E-06	8.31E-07	2.10E-06	1.01E-07	3.03E-06	2.06E-07	3.74E-07	3.30E-08	6.13E-07	1.59E-07	2.08E-07	1.51E-08	3.82E-07
619	565809.8	4222732	1.44E-06	1.76E-06	9.27E-08	3.29E-06	7.64E-07	1.93E-06	9.27E-08	2.79E-06	1.89E-07	3.44E-07	3.03E-08	5.63E-07	1.46E-07	1.91E-07	1.38E-08	3.52E-07
620	565802.6	4222749	1.32E-06	1.61E-06	8.47E-08	3.01E-06	6.98E-07	1.76E-06	8.47E-08	2.55E-06	1.73E-07	3.14E-07	2.77E-08	5.15E-07	1.34E-07	1.75E-07	1.26E-08	3.21E-07
621	565795.3	4222765	1.2E-06	1.46E-06	7.70E-08	2.73E-06	6.34E-07	1.60E-06	7.70E-08	2.31E-06	1.57E-07	2.85E-07	2.52E-08	4.68E-07	1.22E-07	1.59E-07	1.15E-08	2.92E-07
622	565776.1	4222794	9.96E-07	1.22E-06	6.41E-08	2.28E-06	5.28E-07	1.33E-06	6.41E-08	1.93E-06	1.31E-07	2.38E-07	2.10E-08	3.90E-07	1.01E-07	1.32E-07	9.57E-09	2.43E-07
623	565767.7	4222797	9.67E-07	1.18E-06	6.22E-08	2.21E-06	5.13E-07	1.29E-06	6.22E-08	1.87E-06	1.27E-07	2.31E-07	2.04E-08	3.78E-07	9.83E-08	1.28E-07	9.29E-09	2.36E-07
624	565759.3	4222800	9.39E-07	1.15E-06	6.04E-08	2.15E-06	4.98E-07	1.26E-06	6.04E-08	1.81E-06	1.23E-07	2.24E-07	1.98E-08	3.67E-07	9.54E-08	1.25E-07	9.02E-09	2.29E-07
625	565742.5	4222807	8.8E-07	1.08E-06	5.67E-08	2.01E-06	4.67E-07	1.18E-06	5.67E-08	1.70E-06	1.16E-07	2.10E-07	1.85E-08	3.44E-07	8.94E-08	1.17E-07	8.46E-09	2.15E-07
626	565734.1	4222810	8.5E-07	1.04E-06	5.47E-08	1.94E-06	4.51E-07	1.14E-06	5.47E-08	1.64E-06	1.12E-07	2.03E-07	1.79E-08	3.32E-07	8.64E-08	1.13E-07	8.16E-09	2.07E-07
627	565717.3	4222817	7.94E-07	9.7E-07	5.11E-08	1.82E-06	4.21E-07	1.06E-06	5.11E-08	1.54E-06	1.04E-07	1.90E-07	1.67E-08	3.11E-07	8.07E-08	1.06E-07	7.63E-09	1.94E-07
628	565708.9	4222820	7.68E-07	9.38E-07	4.95E-08	1.76E-06	4.07E-07	1.03E-06	4.95E-08	1.49E-06	1.01E-07	1.83E-07	1.62E-08	3.00E-07	7.81E-08	1.02E-07	7.38E-09	1.88E-07
629	565700.5	4222824	7.42E-07	9.06E-07	4.77E-08	1.70E-06	3.93E-07	9.93E-07	4.77E-08	1.43E-06	9.74E-08	1.77E-07	1.56E-08	2.90E-07	7.54E-08	9.85E-08	7.13E-09	1.81E-07
630	565683.7	4222830	6.87E-07	8.39E-07	4.42E-08	1.57E-06	3.64E-07	9.20E-07	4.42E-08	1.33E-06	9.02E-08	1.64E-07	1.45E-08	2.69E-07	6.98E-08	9.13E-08	6.60E-09	1.68E-07
631	565675.3	4222834	6.61E-07	8.07E-07	4.25E-08	1.51E-06	3.50E-07	8.85E-07	4.25E-08	1.28E-06	8.68E-08	1.58E-07	1.39E-08	2.58E-07	6.72E-08	8.78E-08	6.35E-09	1.61E-07
632	565658.5	4222841	6.14E-07	7.49E-07	3.95E-08	1.40E-06	3.25E-07	8.22E-07	3.95E-08	1.19E-06	8.06E-08	1.46E-07	1.29E-08	2.40E-07	6.24E-08	8.15E-08	5.90E-09	1.50E-07
633	565633.4	4222851	5.44E-07	6.64E-07	3.50E-08	1.24E-06	2.88E-07	7.28E-07	3.50E-08	1.05E-06	7.14E-08	1.30E-07	1.15E-08	2.13E-07	5.53E-08	7.23E-08	5.23E-09	1.33E-07
634	565625	4222854	5.22E-07	6.37E-07	3.36E-08	1.19E-06	2.77E-07	6.98E-07	3.36E-08	1.01E-06	6.85E-08	1.24E-07	1.10E-08	2.04E-07	5.30E-08	6.93E-08	5.01E-09	1.27E-07
635	565557.8	4222881	4.2E-07	5.14E-07	2.71E-08	9.61E-07	2.23E-07	5.63E-07	2.71E-08	8.13E-07	5.52E-08	1.00E-07	8.86E-09	1.64E-07	4.27E-08	5.59E-08	4.04E-09	1.03E-07
636	565908	4222500	2.45E-06	2.99E-06	1.58E-07	5.60E-06	1.30E-06	3.28E-06	1.58E-07	4.74E-06	3.22E-07	5.84E-07	5.16E-08	9.58E-07	2.49E-07	3.25E-07	2.35E-08	5.98E-07
637	565908.2	4222491	2.47E-06	3.01E-06	1.59E-07	5.64E-06	1.31E-06	3.30E-06	1.59E-07	4.77E-06	3.24E-07	5.89E-07	5.20E-08	9.65E-07	2.51E-07	3.28E-07	2.37E-08	6.02E-07
638	565908.4	4222482	2.48E-06	3.03E-06	1.60E-07	5.67E-06	1.32E-06	3.32E-06	1.60E-07	4.80E-06	3.26E-07	5.92E-07	5.23E-08	9.70E-07	2.52E-07	3.30E-07	2.38E-08	6.06E-07
639	565924.2	4222518	2.29E-06	2.79E-06	1.47E-07	5.23E-06	1.21E-06	3.06E-06	1.47E-07	4.42E-06	3.01E-07	5.46E-07	4.82E-08	8.95E-07	2.33E-07	3.04E-07	2.20E-08	5.59E-07
640	565920.6	4222526	2.3E-06	2.81E-06	1.48E-07	5.26E-06	1.22E-06	3.08E-06	1.48E-07	4.45E-06	3.02E-07	5.49E-07	4.85E-08	9.00E-07	2.34E-07	3.06E-07	2.21E-08	5.62E-07
641	565913.4	4222542	2.32E-06	2.83E-06	1.49E-07	5.30E-06	1.23E-06	3.11E-06	1.49E-07	4.49E-06	3.05E-07	5.54E-07	4.89E-08	9.07E-07	2.36E-07	3.08E-07	2.23E-08	5.66E-07
642	565909.8	4222550	2.32E-06	2.84E-06	1.49E-07	5.31E-06	1.23E-06	3.11E-06	1.49E-07	4.49E-06	3.05E-07	5.54E-07	4.89E-08	9.08E-07	2.36E-07	3.08E-07	2.23E-08	5.67E-07
643	565902.6	4222567	2.31E-06	2.82E-06	1.48E-07	5.27E-06	1.22E-06	3.09E-06	1.48E-07	4.46E-06	3.03E-07	5.50E-07	4.86E-08	9.02E-07	2.34E-07	3.06E-07	2.22E-08	5.63E-07
644	565895.4	4222583	2.28E-06	2.78E-06	1.47E-07	5.21E-06	1.21E-06	3.05E-06	1.47E-07	4.41E-06	2.99E-07	5.44E-07	4.80E-08	8.92E-07	2.32E-07	3.03E-07	2.19E-08	5.57E-07
645	565891.8	4222591	2.26E-06	2.77E-06	1.46E-07	5.18E-06	1.20E-06	3.03E-06	1.46E-07	4.38E-06	2.97E-07	5.40E-07	4.77E-08	8.85E-07	2.30E-07	3.01E-07	2.18E-08	5.53E-07
646	565877.4	4222624	2.15E-06	2.62E-06	1.38E-07	4.91E-06	1.14E-06	2.87E-06	1.38E-07	4.15E-06	2.82E-07	5.12E-07	4.52E-08	8.39E-07	2.18E-07	2.85E-07	2.06E-08	5.24E-07
647	565873.8	4222632	2.1E-06	2.57E-06	1.35E-07	4.81E-06	1.11E-06	2.81E-06	1.35E-07	4.06E-06	2.76E-07	5.02E-07	4.43E-08	8.22E-07	2.14E-07	2.79E-07	2.02E-08	5.13E-07
648	565866.7	4222649	2.01E-06	2.45E-06	1.29E-07	4.59E-06	1.06E-06	2.69E-06	1.29E-07	3.88E-06	2.64E-07	4.79E-07	4.23E-08	7.85E-07	2.04E-07	2.67E-07	1.93E-08	4.90E-07
649	565859.5	4222665	1.91E-06	2.33E-06	1.23E-07	4.36E-06	1.01E-06	2.55E-06	1.23E-07	3.69E-06	2.50E-07	4.55E-07	4.02E-08	7.46E-07	1.94E-07	2.53E-07	1.83E-08	4.66E-07
650	565855.9	4222673	1.85E-06	2.26E-06	1.19E-07	4.23E-06	9.81E-07	2.48E-06	1.19E-07	3.58E-06	2.43E-07	4.42E-07	3.90E-08	7.24E-07	1.88E-07	2.46E-07	1.78E-08	4.52E-07
651	565848.7	4222690	1.73E-06	2.11E-06	1.11E-07	3.96E-06	9.18E-07	2.32E-06	1.11E-07	3.35E-06	2.27E-07	4.13E-07	3.65E-08	6.77E-07	1.76E-07	2.30E-07	1.66E-08	4.23E-07
652	565841.5	4222706	1.61E-06	1.97E-06	1.04E-07	3.69E-06	8.55E-07	2.16E-06	1.04E-07	3.12E-06	2.12E-07	3.85E-07	3.40E-08	6.30E-07	1.64E-07	2.14E-07	1.55E-08	3.94E-07
653	565837.9	4222714	1.55E-06	1.9E-06	1.00E-07	3.55E-06	8.24E-07	2.08E-06	1.00E-07	3.01E-06	2.04E-07	3.71E-07	3.27E-08	6.08E-07	1.58E-07	2.06E-07	1.49E-08	3.79E-07
654	565830.7	4222731	1.44E-06	1.75E-06	9.24E-08	3.28E-06	7.61E-07	1.92E-06	9.24E-08	2.78E-06	1.89E-07	3.43E-07	3.02E-08	5.61E-07	1.46E-07	1.91E-07	1.38E-08	3.50E-07
655	565823.5	4222747	1.32E-06	1.61E-06	8.49E-08	3.01E-06	6.99E-07	1.77E-06	8.49E-08	2.55E-06	1.73E-07	3.15E-07	2.78E-08	5.16E-07	1.34E-07	1.75E-07	1.27E-08	3.22E-07
656	565816.3	4222764	1.21E-06	1.48E-06	7.77E-08	2.76E-06	6.40E-07	1.62E-06	7.77E-08	2.34E-06	1.59E-07	2.88E-07	2.54E-08	4.72E-07	1.23E-07	1.60E-07	1.16E-08	2.95E-07
657	565812.7	4222772	1.15E-06	1.41E-06	7.43E-08	2.64E-06	6.12E-07	1.54E-06	7.43E-08	2.23E-06	1.52E-07	2.75E-07	2.43E-08	4.51E-07	1.17E-07	1.53E-07	1.11E-08	2.82E-07

658	565790	4222808	9.35E-07	1.14E-06	6.02E-08	2.14E-06	4.96E-07	1.25E-06	6.02E-08	1.81E-06	1.23E-07	2.23E-07	1.97E-08	3.66E-07	9.51E-08	1.24E-07	8.99E-09	2.28E-07
659	565781.7	4222811	9.09E-07	1.11E-06	5.85E-08	2.08E-06	4.82E-07	1.22E-06	5.85E-08	1.76E-06	1.19E-07	2.17E-07	1.91E-08	3.55E-07	9.24E-08	1.21E-07	8.73E-09	2.22E-07
660	565765.1	4222818	8.55E-07	1.04E-06	5.50E-08	1.95E-06	4.53E-07	1.15E-06	5.50E-08	1.65E-06	1.12E-07	2.04E-07	1.80E-08	3.34E-07	8.69E-08	1.14E-07	8.22E-09	2.09E-07
661	565756.8	4222821	8.28E-07	1.01E-06	5.33E-08	1.89E-06	4.39E-07	1.11E-06	5.33E-08	1.60E-06	1.09E-07	1.98E-07	1.74E-08	3.24E-07	8.42E-08	1.10E-07	7.96E-09	2.02E-07
662	565723.5	4222835	7.25E-07	8.85E-07	4.66E-08	1.66E-06	3.84E-07	9.70E-07	4.66E-08	1.40E-06	9.52E-08	1.73E-07	1.53E-08	2.83E-07	7.36E-08	9.63E-08	6.96E-09	1.77E-07
663	565715.2	4222838	7.02E-07	8.57E-07	4.52E-08	1.60E-06	3.72E-07	9.39E-07	4.52E-08	1.36E-06	9.21E-08	1.67E-07	1.48E-08	2.74E-07	7.13E-08	9.32E-08	6.74E-09	1.71E-07
664	565698.5	4222845	6.56E-07	8.01E-07	4.22E-08	1.50E-06	3.48E-07	8.78E-07	4.22E-08	1.27E-06	8.61E-08	1.56E-07	1.38E-08	2.56E-07	6.66E-08	8.71E-08	6.30E-09	1.60E-07
665	565690.2	4222848	6.31E-07	7.7E-07	4.06E-08	1.44E-06	3.34E-07	8.44E-07	4.06E-08	1.22E-06	8.28E-08	1.50E-07	1.33E-08	2.47E-07	6.41E-08	8.38E-08	6.06E-09	1.54E-07
666	565673.6	4222854	5.82E-07	7.11E-07	3.75E-08	1.33E-06	3.09E-07	7.79E-07	3.75E-08	1.13E-06	7.65E-08	1.39E-07	1.23E-08	2.28E-07	5.92E-08	7.73E-08	5.59E-09	1.42E-07
667	565648.6	4222864	5.18E-07	6.33E-07	3.34E-08	1.18E-06	2.75E-07	6.94E-07	3.34E-08	1.00E-06	6.81E-08	1.24E-07	1.09E-08	2.03E-07	5.27E-08	6.89E-08	4.98E-09	1.27E-07
668	565632	4222871	4.79E-07	5.85E-07	3.08E-08	1.09E-06	2.54E-07	6.41E-07	3.08E-08	9.26E-07	6.29E-08	1.14E-07	1.01E-08	1.87E-07	4.87E-08	6.36E-08	4.60E-09	1.17E-07
669	565557.1	4222901	3.82E-07	4.66E-07	2.46E-08	8.72E-07	2.02E-07	5.11E-07	2.46E-08	7.38E-07	5.01E-08	9.11E-08	8.04E-09	1.49E-07	3.88E-08	5.07E-08	3.67E-09	9.32E-08
670	565928	4222500	2.3E-06	2.81E-06	1.48E-07	5.25E-06	1.22E-06	3.08E-06	1.48E-07	4.45E-06	3.02E-07	5.49E-07	4.84E-08	8.99E-07	2.34E-07	3.05E-07	2.21E-08	5.61E-07
671	565928.2	4222491	2.31E-06	2.83E-06	1.49E-07	5.29E-06	1.23E-06	3.10E-06	1.49E-07	4.47E-06	3.04E-07	5.52E-07	4.87E-08	9.05E-07	2.35E-07	3.07E-07	2.22E-08	5.65E-07
672	565928.4	4222482	2.33E-06	2.84E-06	1.50E-07	5.32E-06	1.23E-06	3.11E-06	1.50E-07	4.50E-06	3.05E-07	5.55E-07	4.90E-08	9.09E-07	2.36E-07	3.09E-07	2.23E-08	5.68E-07
673	565944.2	4222518	2.16E-06	2.63E-06	1.39E-07	4.93E-06	1.14E-06	2.89E-06	1.39E-07	4.17E-06	2.83E-07	5.14E-07	4.54E-08	8.43E-07	2.19E-07	2.86E-07	2.07E-08	5.26E-07
674	565937.1	4222534	2.17E-06	2.66E-06	1.40E-07	4.97E-06	1.15E-06	2.91E-06	1.40E-07	4.20E-06	2.85E-07	5.19E-07	4.58E-08	8.50E-07	2.21E-07	2.89E-07	2.09E-08	5.31E-07
675	565929.9	4222551	2.18E-06	2.67E-06	1.41E-07	4.99E-06	1.16E-06	2.92E-06	1.41E-07	4.22E-06	2.87E-07	5.21E-07	4.60E-08	8.54E-07	2.22E-07	2.90E-07	2.10E-08	5.33E-07
676	565922.8	4222567	2.17E-06	2.66E-06	1.40E-07	4.97E-06	1.15E-06	2.91E-06	1.40E-07	4.20E-06	2.86E-07	5.19E-07	4.58E-08	8.50E-07	2.21E-07	2.89E-07	2.09E-08	5.31E-07
677	565915.7	4222583	2.15E-06	2.63E-06	1.39E-07	4.92E-06	1.14E-06	2.88E-06	1.39E-07	4.16E-06	2.83E-07	5.14E-07	4.53E-08	8.42E-07	2.19E-07	2.86E-07	2.07E-08	5.26E-07
678	565908.5	4222599	2.12E-06	2.59E-06	1.37E-07	4.85E-06	1.13E-06	2.84E-06	1.37E-07	4.10E-06	2.79E-07	5.06E-07	4.47E-08	8.30E-07	2.16E-07	2.82E-07	2.04E-08	5.18E-07
679	565901.4	4222616	2.08E-06	2.54E-06	1.34E-07	4.75E-06	1.10E-06	2.78E-06	1.34E-07	4.02E-06	2.73E-07	4.96E-07	4.38E-08	8.13E-07	2.11E-07	2.76E-07	2.00E-08	5.08E-07
680	565890.7	4222640	1.98E-06	2.42E-06	1.27E-07	4.53E-06	1.05E-06	2.65E-06	1.27E-07	3.83E-06	2.60E-07	4.73E-07	4.17E-08	7.74E-07	2.01E-07	2.63E-07	1.90E-08	4.83E-07
681	565883.6	4222656	1.89E-06	2.31E-06	1.22E-07	4.33E-06	1.00E-06	2.54E-06	1.22E-07	3.66E-06	2.49E-07	4.52E-07	3.99E-08	7.41E-07	1.93E-07	2.52E-07	1.82E-08	4.62E-07
682	565876.4	4222673	1.8E-06	2.2E-06	1.16E-07	4.11E-06	9.53E-07	2.41E-06	1.16E-07	3.48E-06	2.36E-07	4.29E-07	3.79E-08	7.03E-07	1.83E-07	2.39E-07	1.73E-08	4.39E-07
683	565869.3	4222689	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.98E-07	2.27E-06	1.09E-07	3.27E-06	2.22E-07	4.04E-07	3.57E-08	6.62E-07	1.72E-07	2.25E-07	1.63E-08	4.13E-07
684	565862.2	4222705	1.59E-06	1.94E-06	1.02E-07	3.63E-06	8.41E-07	2.12E-06	1.02E-07	3.07E-06	2.08E-07	3.79E-07	3.34E-08	6.20E-07	1.61E-07	2.11E-07	1.52E-08	3.87E-07
685	565858.6	4222713	1.54E-06	1.87E-06	9.88E-08	3.51E-06	8.14E-07	2.06E-06	9.88E-08	2.97E-06	2.02E-07	3.66E-07	3.23E-08	6.00E-07	1.56E-07	2.04E-07	1.47E-08	3.75E-07
686	565844.3	4222746	1.32E-06	1.61E-06	8.47E-08	3.01E-06	6.98E-07	1.76E-06	8.47E-08	2.54E-06	1.73E-07	3.14E-07	2.77E-08	5.15E-07	1.34E-07	1.75E-07	1.26E-08	3.21E-07
687	565837.2	4222762	1.21E-06	1.48E-06	7.78E-08	2.76E-06	6.41E-07	1.62E-06	7.78E-08	2.34E-06	1.59E-07	2.88E-07	2.55E-08	4.73E-07	1.23E-07	1.61E-07	1.16E-08	2.95E-07
688	565830.1	4222778	1.11E-06	1.35E-06	7.13E-08	2.53E-06	5.88E-07	1.48E-06	7.13E-08	2.14E-06	1.46E-07	2.64E-07	2.33E-08	4.33E-07	1.13E-07	1.47E-07	1.06E-08	2.71E-07
689	565823	4222795	1.02E-06	1.24E-06	6.53E-08	2.32E-06	5.38E-07	1.36E-06	6.53E-08	1.96E-06	1.33E-07	2.42E-07	2.14E-08	3.97E-07	1.03E-07	1.35E-07	9.75E-09	2.48E-07
690	565804	4222822	8.73E-07	1.07E-06	5.62E-08	2.00E-06	4.63E-07	1.17E-06	5.62E-08	1.69E-06	1.15E-07	2.08E-07	1.84E-08	3.41E-07	8.87E-08	1.16E-07	8.39E-09	2.13E-07
691	565787.5	4222829	8.32E-07	1.02E-06	5.36E-08	1.90E-06	4.41E-07	1.11E-06	5.36E-08	1.61E-06	1.09E-07	1.99E-07	1.75E-08	3.25E-07	8.46E-08	1.11E-07	7.99E-09	2.03E-07
692	565771	4222836	7.83E-07	9.56E-07	5.04E-08	1.79E-06	4.15E-07	1.05E-06	5.04E-08	1.51E-06	1.03E-07	1.87E-07	1.65E-08	3.06E-07	7.96E-08	1.04E-07	7.52E-09	1.91E-07
693	565738	4222849	6.84E-07	8.36E-07	4.40E-08	1.56E-06	3.63E-07	9.16E-07	4.40E-08	1.32E-06	8.98E-08	1.63E-07	1.44E-08	2.67E-07	6.95E-08	9.09E-08	6.57E-09	1.67E-07
694	565721.5	4222855	6.36E-07	7.77E-07	4.09E-08	1.45E-06	3.37E-07	8.52E-07	4.09E-08	1.23E-06	8.35E-08	1.52E-07	1.34E-08	2.49E-07	6.46E-08	8.45E-08	6.11E-09	1.55E-07
695	565705	4222862	5.9E-07	7.21E-07	3.80E-08	1.35E-06	3.13E-07	7.90E-07	3.80E-08	1.14E-06	7.75E-08	1.41E-07	1.24E-08	2.31E-07	6.00E-08	7.84E-08	5.67E-09	1.44E-07
696	565688.5	4222868	5.47E-07	6.68E-07	3.52E-08	1.25E-06	2.90E-07	7.33E-07	3.52E-08	1.06E-06	7.19E-08	1.31E-07	1.15E-08	2.14E-07	5.56E-08	7.27E-08	5.26E-09	1.34E-07
697	565672	4222875	5.1E-07	6.23E-07	3.28E-08	1.17E-06	2.70E-07	6.83E-07	3.28E-08	9.86E-07	6.70E-08	1.22E-07	1.07E-08	1.99E-07	5.18E-08	6.77E-08	4.90E-09	1.24E-07
698	565655.5	4222882	4.74E-07	5.79E-07	3.05E-08	1.08E-06	2.51E-07	6.35E-07	3.05E-08	9.16E-07	6.22E-08	1.13E-07	9.98E-09	1.85E-07	4.82E-08	6.30E-08	4.55E-09	1.16E-07
699	565639	4222888	4.41E-07	5.39E-07	2.84E-08	1.01E-06	2.34E-07	5.91E-07	2.84E-08	8.53E-07	5.79E-08	1.05E-07	9.29E-09	1.73E-07	4.48E-08	5.86E-08	4.24E-09	1.08E-07
700	565948	4222501	2.16E-06	2.64E-06	1.39E-07	4.94E-06	1.15E-06	2.90E-06	1.39E-07	4.18E-06	2.84E-07	5.16E-07	4.56E-08	8.46E-07	2.20E-07	2.87E-07	2.08E-08	5.28E-07
701	565948.2	4222492	2.18E-06	2.66E-06	1.40E-07	4.97E-06	1.15E-06	2.91E-06	1.40E-07	4.21E-06	2.86E-07	5.19E-07	4.58E-08	8.51E-07	2.21E-07	2.89E-07	2.09E-08	5.31E-07
702	565948.4	4222483	2.18E-06	2.67E-06	1.41E-07	4.99E-06	1.16E-06	2.93E-06	1.41E-07	4.22E-06	2.87E-07	5.21E-07	4.60E-08	8.54E-07	2.22E-07	2.90E-07	2.10E-08	5.33E-07
703	565964.2	4222518	2.03E-06	2.48E-06	1.31E-07	4.65E-06	1.08E-06	2.72E-06	1.31E-07	3.93E-06	2.67E-07	4.85E-07	4.28E-08	7.95E-07	2.07E-07	2.70E-07	1.95E-08	4.96E-07
704	565957.1	4222535	2.05E-06	2.5E-06	1.32E-07	4.68E-06	1.09E-06	2.74E-06	1.32E-07	3.96E-06	2.69E-07	4.88E-07	4.31E-08	8.00E-07	2.08E-07	2.72E-07	1.97E-08	5.00E-07
705	565950.1	4222551	2.05E-06	2.51E-06	1.32E-07	4.70E-06	1.09E-06	2.75E-06	1.32E-07	3.97E-06	2.70E-07	4.90E-07	4.33E-08	8.03E-07	2.09E-07	2.73E-07	1.97E-08	5.01E-07
706	565946.5	4222559	2.05E-06	2.51E-06	1.32E-07	4.69E-06	1.09E-06	2.75E-06	1.32E-07	3.97E-06	2.70E-07	4.90E-07	4.32E-08	8.03E-07	2.09E-07	2.73E-07	1.97E-08	5.01E-07
707	565939.4	4222575	2.04E-06	2.5E-06	1.32E-07	4.67E-06	1.08E-06	2.74E-06	1.32E-07	3.95E-06	2.68E-07	4.88E-07	4.30E-08	7.99E-07	2.08E-07	2.72E-07	1.96E-08	4.99E-07
708	565932.4	4222591	2.02E-06	2.47E-06	1.30E-07	4.63E-06	1.07E-06	2.71E-06	1.30E-07	3.91E-06	2.66E-07	4.83E-07	4.26E-08	7.91E-07	2.06E-07	2.69E-07	1.94E-08	4.94E-07
709	565925.3	4222607	1.99E-06	2.43E-06	1.28E-07	4.56E-06	1.06E-06	2.67E-06	1.28E-07	3.85E-06	2.62E-07	4.76E-07	4.20E-08	7.79E-07	2.03E-07	2.65E-07	1.91E-08	4.86E-07
710	565918.2	4222623	1.95E-06	2.38E-06	1.26E-07	4.46E-06	1.03E-06	2.61E-06	1.26E-07	3.77E-06	2.56E-07	4.65E-07	4.11E-08	7.62E-07	1.98E-07	2.59E-07	1.87E-08	4.76E-07
711	565904	4222656	1.82E-06	2.23E-06	1.17E-07	4.17E-06	9.67E-07	2.44E-06	1.17E-07	3.53E-06	2.40E-07	4.35E-07	3.84E-08	7.13E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
712	565900.5	4222664	1.78E-06	2.18E-06	1.15E-07	4.08E-06	9.46E-07	2.39E-06	1.15E-07	3.45E-06	2.34E-07	4.26E-07	3.76E-08	6.97E-07	1.81E-07	2.37E-07	1.71E-08	4.35E-07
713	565893.4	4222680	1.7E-06	2.07E-06	1.09E-07	3.88E-06	8.99E-07	2.27E-06	1.09E-07	3.28E-06	2.23E-07	4.05E-07	3.57E-08	6.63E-07	1.72E-07	2.25E-07	1.63E-08	4.14E-07
714	565886.3	4222696	1.6E-06	1.96E-06	1.03E-07	3.66E-06	8.49E-07	2.14E-06	1.03E-07	3.10E-06	2.10E-07	3.82E-07	3.37E-08	6.26E-07	1.63E-07	2.13E-07	1.54E-08	3.91E-07
715	565879.3	4222712	1.5E-06	1.84E-06	9.67E-08	3.43E-06	7.97E-07	2.01E-06	9.67E-08	2.91E-06	1.97E-07	3.59E-07	3.16E-08	5.87E-07	1.53E-07	2.00E-07	1.44E-08	3.67E-07
716	565872.2	4222728	1.4E-06	1.72E-06	9.04E-08	3.21E-06	7.45E-07	1.88E-06	9.04E-08	2.72E-06	1.84E-07	3.35E-07	2.96E-08	5.49E-07	1.43E-07	1.87E-07	1.35E-08	3.43E-07
717	565858	4222761	1.2E-06	1.47E-06	7.73E-08	2.74E-06	6.37E-07	1.61E-06	7.73E-08	2.32E-06	1.58E-07	2.86E-07	2.53E-08	4.69E-07	1.22E-07	1.60E-07	1.15E-08	2.93E-07
718	565854.5	4222769	1.15E-06	1.41E-06	7.41E-08	2.63E-06	6.10E-07	1.54E-06	7.41E-08	2.23E-06	1.51E-07	2.75E-07	2.42E-08	4.50E-07	1.17E-07	1.53E-07	1.11E-08	2.81E-07
719	565847.4	4222785	1.06E-06	1.29E-06	6.79E-08	2.41E-06	5.60E-07	1.41E-06	6.79E-08	2.04E-06	1.39E-07	2.52E-07	2.22E-08	4.13E-07	1.07E-07	1.40E-07	1.01E-08	2.58E-07
720	565840.3	4222801	9.72E-07	1.19E-06	6.26E-08	2.22E-06	5.15E-07	1.30E-06	6.26E-08	1.88E-06	1.28E-07	2.32E-07	2.05E-08	3.80E-07	9.88E-08	1.29E-07	9.34E-09	2.37E-07
721	565818	4222837	8.23E-07	1.01E-06	5.30E-08	1.88E-06	4.37E-07	1.10E-06	5.30E-08	1.59E-06	1.08E-07	1.96E-07	1.73E-08	3.22E-07	8.37E-08	1.09E-07	7.91E-09	2.01E-07
722	565801.6	4222843	7.85E-07	9.59E-07	5.06E-08	1.80E-06	4.16E-07	1.05E-06	5.06E-08	1.52E-06	1.03E-07	1.87E-07	1.65E-08	3.07E-07	7.98E-08	1.04E-07	7.55E-09	1.92E-07
723	565785.2	4222850	7.41E-07	9.05E-07	4.77E-08	1.69E-06	3.93E-07	9.92E-07	4.77E-08	1.43E-06	9.73E-08	1.77E-07	1.56E-08	2.90E-07	7.53E-08	9.84E-08	7.12E-09	1.81E-07
724	565752.4	4222863	6.42E-07	7.84E-07	4.13E-08	1.47E-06	3.40E-07	8.59E-07	4.13E-08	1.24E-06	8.43E-08	1.53E-07	1.35E-08	2.51E-07	6.52E-08	8.53E-08	6.17E-09	1.57E-07
725	565736.1	4222869	5.96E-07	7.28E-07	3.84E-08	1.36E-06	3.16E-07	7.98E-07	3.84E-08	1.15E-06	7.83E-08	1.42E-07	1.25E-08	2.33E-07	6.06E-08	7.92E-08	5.73E-09	1.45E-07
726	565719.7	4222876	5.52E-07	6.75E-07	3.56E-08	1.26E-06	2.93E-07	7.40E-07	3.56E-08	1.07E-06	7.26E-08	1.32E-07	1.16E-08	2.16E-07	5.61E-08	7.34E-08	5.31E-09	1.35E-07
727	565703.3	4222882	5.12E-07	6.25E-07	3.30E-08	1.17E-06	2.72E-07	6.86E-07	3.30E-08	9.90E-07	6.73E-08	1.22E-07	1.08E-08	2.00E-07	5.20E-08	6.80E-08	4.92E-09	1.25E-07
728	565686.9	4222889	4.8E-07	5.86E-07	3.09E-08	1.10E-06	2.54E-07	6.42E-07	3.09E-08	9.28E-07	6.30E-08	1.14E-07	1.01E-08	1.88E-07	4.88E-08	6.37E-08	4.61E-09	1.17E-07
729	565670.5	4222896	4.5E-07	5.49E-07	2.90E-08	1.03E-06	2.38E-07	6.02E-07	2.90E-08	8.70E-07	5.91E-08	1.07E-07	9.47E-09	1.76E-07	4.57E-08	5.98E-08	4.32E-09	1.10E-07
730	565654.1	4222902	4.2E-07	5.13E-07	2.71E-08	9.61E-07	2.23E-07	5.63E-07	2.71E-08	8.13E-07	5.52E-08	1.00E-07	8.85E-09	1.64E-07	4.27E-08	5.58E-08	4.04E-09	1.03E-07
731	565547.7	4222945	3.18E-07	3.89E-07	2.05E-08	7.28E-07	1.69E-07	4.26E-07	2.05E-08	6.15E-07	4.18E-08	7.59E-08	6.70E-09	1.24E-07	3.23E-08	4.23E-08	3.06E-09	7.77E-08
732	565968	4222501	2.04E-06	2.49E-06	1.31E-07	4.66E-06	1.08E-06	2.73E-06	1.31E-07	3.94E-06	2.68E-07	4.86E-07	4.29E-08	7.97E-07	2.07E-07	2.71E-07	1.96E-08	4.98E-07
733	565968.2	4222492	2.05E-06	2.5E-06	1.32E-07	4.68E-06	1.09E-06	2.74E-06	1.32E-07	3.96E-06	2.69E-07	4.89E-07	4.32E-08	8.01E-07	2.08E-07	2.72E-07	1.97E-08	5.00E-07
734	565968.4	4222483	2.06E-06	2.51E-06	1.32E-07	4.70E-06	1.09E-06	2.75E-06	1.32E-07	3.98E-06	2.70E-07	4.91E-07	4.33E-08	8.04E-07	2.09E-07	2.73E-07	1.98E-08	5.02E-07
735	565984.1	4222519	1.92E-06	2.34E-06	1.23E-07	4.38E-06	1.02E-06	2.57E-06	1.23E-07	3.71E-06	2.52E-07	4.57E-07	4.04E-08	7.49E-07	1.95E-07	2.55E-07	1.84E-08	4.68E-07
736	565976.9	4222535	1.93E-06	2.36E-06	1.24E-07	4.41E-06	1.02E-06	2.58E-06	1.24E-07	3.73E-06	2.53E-07	4.61E-07	4.07E-08	7.55E-07	1.96E-07	2.56E-07	1.85E-08	4.71E-07
737	565969.7	4222552	1.93E-06	2.36E-06	1.25E-07	4.42E-06	1.03E-06	2.59E-06	1.25E-07	3.74E-06	2.54E-07	4.62E-07	4.08E-08	7.56E-07	1.97E-07	2.57E-07	1.86E-08	4.72E-07
738	565962.5	4222568	1.93E-06	2.36E-06	1.24E-07	4.42E-06	1.02E-06	2.59E-06	1.24E-07	3.74E-06	2.54E-07	4.61E-07	4.07E-08	7.56E-07	1.96E-07	2.57E-07	1.86E-08	4.72E-07
739	565955.3	4222585	1.92E-06	2.35E-06	1.24E-07	4.39E-06	1.02E-06	2.57E-06	1.24E-07	3.71E-06	2.52E-07	4.58E-07	4.04E-08	7.51E-07	1.95E-07	2.55E-07	1.84E-08	4.69E-07
740	565948.1	4222601	1.9E-06	2.32E-06	1.22E-07	4.34E-06	1.01E-06	2.54E-06	1.22E-07	3.67E-06	2.49E-07	4.53E-07	4.00E-08	7.43E-07	1.93E-07	2.52E-07	1.83E-08	4.64E-07
741	565944.5	4222609	1.89E-06	2.3E-06	1.21E-07	4.31E-06	1.00E-06	2.52E-06	1.21E-07	3.65E-06	2.48E-07	4.50E-07	3.97E-08	7.37E-07	1.92E-07	2.50E-07	1.81E-08	4.60E-07
742	565937.3	4222626	1.84E-06	2.25E-06	1.19E-07	4.21E-06	9.77E-07	2.47E-06	1.19E-07	3.56E-06	2.42E-07	4.40E-07	3.88E-08	7.20E-07	1.87E-07	2.45E-07	1.77E-08	4.50E-07
743	565930.1	4222642	1.79E-06	2.19E-06	1.16E-07	4.10E-06	9.52E-07	2.40E-06	1.16E-07	3.47E-06	2.36E-07	4.28E-07	3.78E-08	7.02E-07	1.82E-07	2.38E-07	1.72E-08	4.38E-07
744	565915.7	4222675	1.66E-06	2.03E-06	1.07E-07	3.80E-06	8.81E-07	2.23E-06	1.07E-07	3.21E-06	2.18E-07	3.97E-07	3.50E-08	6.50E-07	1.69E-07	2.21E-07	1.60E-08	4.06E-07
745	565912.1	4222683	1.62E-06	1.98E-06	1.04E-07	3.71E-06	8.60E-07	2.17E-06	1.04E-07	3.14E-06	2.13E-07	3.87E-07	3.42E-08	6.34E-07	1.65E-07	2.15E-07	1.56E-08	3.96E-07
746	565904.9	4222700	1.53E-06	1.87E-06	9.88E-08	3.51E-06	8.14E-07	2.05E-06	9.88E-08	2.97E-06	2.02E-07	3.66E-07	3.23E-08	6.00E-07	1.56E-07	2.04E-07	1.47E-08	3.75E-07
747	565897.7	4222716	1.44E-06	1.76E-06	9.28E-08	3.30E-06	7.65E-07	1.93E-06	9.28E-08	2.79E-06	1.89E-07	3.44E-07	3.04E-08	5.64E-07	1.47E-07	1.92E-07	1.39E-08	3.52E-07
748	565890.5	4222733	1.35E-06	1.64E-06	8.66E-08	3.07E-06	7.13E-07	1.80E-06	8.66E-08	2.60E-06	1.77E-07	3.21E-07	2.83E-08	5.26E-07	1.37E-07	1.79E-07	1.29E-08	3.28E-07
749	565886.9	4222741	1.3E-06	1.58E-06	8.34E-08	2.96E-06	6.87E-07	1.74E-06	8.34E-08	2.51E-06	1.70E-07	3.09E-07	2.73E-08	5.07E-07	1.32E-07	1.72E-07	1.25E-08	3.16E-07
750	565872.5	4222774	1.1E-06	1.34E-06	7.08E-08	2.51E-06	5.83E-07	1.47E-06	7.08E-08	2.13E-06	1.45E-07	2.63E-07	2.32E-08	4.30E-07	1.12E-07	1.46E-07	1.06E-08	2.69E-07
751	565865.3	4222790	1.01E-06	1.24E-06	6.51E-08	2.31E-06	5.37E-07	1.35E-06	6.51E-08	1.96E-06	1.33E-07	2.41E-07	2.13E-08	3.96E-07	1.03E-07	1.34E-07	9.72E-09	2.47E-07
752	565858.1	4222807	9.36E-07	1.14E-06	6.03E-08	2.14E-06	4.96E-07	1.25E-06	6.03E-08	1.81E-06	1.23E-07	2.23E-07	1.97E-08	3.66E-07	9.51E-08	1.24E-07	8.99E-09	2.29E-07
753	565854.5	4222815	8.96E-07	1.09E-06	5.77E-08	2.05E-06	4.75E-07	1.20E-06	5.77E-08	1.73E-06	1.18E-07	2.14E-07	1.89E-08	3.50E-07	9.11E-08	1.19E-07	8.61E-09	2.19E-07
754	565831.7	4222851	7.81E-07	9.53E-07	5.02E-08	1.78E-06	4.14E-07	1.05E-06	5.02E-08	1.51E-06	1.03E-07	1.86E-07	1.64E-08	3.05E-07	7.93E-08	1.04E-07	7.50E-09	1.91E-07
755	565823.4	4222854	7.63E-07	9.32E-07	4.91E-08	1.74E-06	4.04E-07	1.02E-06	4.91E-08	1.48E-06	1.00E-07	1.82E-07	1.61E-08	2.98E-07	7.75E-08	1.01E-07	7.33E-09	1.86E-07
756	565815.1	4222858	7.42E-07	9.07E-07	4.78E-08	1.70E-06	3.94E-07	9.94E-07	4.78E-08	1.44E-06	9.75E-08	1.77E-07	1.56E-08	2.90E-07	7.54E-08	9.86E-08	7.13E-09	1.81E-07
757	565798.4	4222864	7.01E-07	8.56E-07	4.51E-08	1.60E-06	3.72E-07	9.38E-07	4.51E-08	1.35E-06	9.20E-08	1.67E-07	1.48E-08	2.74E-07	7.12E-08	9.31E-08	6.73E-09	1.71E-07
758	565790.1	4222868	6.78E-07	8.28E-07	4.37E-08	1.55E-06	3.60E-07	9.08E-07	4.37E-08	1.31E-06	8.91E-08	1.62E-07	1.43E-08	2.65E-07	6.89E-08	9.01E-08	6.52E-09	1.66E-07
759	565773.4	4222874	6.26E-07	7.65E-07	4.03E-08	1.43E-06	3.32E-07	8.39E-07	4.03E-08	1.21E-06	8.22E-08	1.49E-07	1.32E-08	2.45E-07	6.36E-08	8.32E-08	6.02E-09	1.53E-07
760	565756.7	4222881	5.78E-07	7.06E-07	3.72E-08	1.32E-06	3.07E-07	7.74E-07	3.72E-08	1.12E-06	7.59E-08	1.38E-07	1.22E-08	2.26E-07	5.88E-08	7.68E-08	5.55E-09	1.41E-07
761	565748.4	4222884	5.58E-07	6.82E-07	3.59E-08	1.28E-06	2.96E-07	7.47E-07	3.59E-08	1.08E-06	7.33E-08	1.33E-07	1.18E-08	2.18E-07	5.67E-08	7.41E-08	5.36E-09	1.36E-07
762	565731.7	4222891	5.19E-07	6.34E-07	3.34E-08	1.19E-06	2.75E-07	6.95E-07	3.34E-08	1.00E-06	6.82E-08	1.24E-07	1.09E-08	2.03E-07	5.28E-08	6.90E-08	4.99E-09	1.27E-07
763	565723.4	4222894	4.99E-07	6.1E-07	3.21E-08	1.14E-06	2.65E-07	6.69E-07	3.21E-08	9.66E-07	6.56E-08	1.19E-07	1.05E-08	1.95E-07	5.08E-08	6.64E-08	4.80E-09	1.22E-07
764	565698.4	4222904	4.45E-07	5.43E-07	2.86E-08	1.02E-06	2.36E-07	5.96E-07	2.86E-08	8.60E-07	5.84E-08	1.06E-07	9.37E-09	1.74E-07	4.52E-08	5.91E-08	4.28E-09	1.09E-07
765	565681.7	4222911	4.19E-07	5.11E-07	2.69E-08	9.57E-07	2.22E-07	5.61E-07	2.69E-08	8.09E-07	5.50E-08	9.99E-08	8.82E-09	1.64E-07	4.25E-08	5.56E-08	4.02E-09	1.02E-07
766	565673.4	4222914	4.06E-07	4.96E-07	2.61E-08	9.28E-07	2.15E-07	5.44E-07	2.61E-08	7.85E-07	5.33E-08	9.69E-08	8.55E-09	1.59E-07	4.13E-08	5.39E-08	3.90E-09	9.91E-08
767	565656.7	4222921	3.8E-07	4.65E-07	2.45E-08	8.70E-07	2.02E-07	5.09E-07	2.45E-08	7.36E-07	5.00E-08	9.08E-08	8.01E-09	1.49E-07	3.87E-08	5.05E-08	3.66E-09	9.29E-08

768	565556.7	4222961	2.99E-07	3.66E-07	1.93E-08	6.84E-07	1.59E-07	4.01E-07	1.93E-08	5.79E-07	3.93E-08	7.14E-08	6.31E-09	1.17E-07	3.04E-08	3.98E-08	2.88E-09	7.31E-08
769	565988	4222502	1.92E-06	2.35E-06	1.24E-07	4.39E-06	1.02E-06	2.57E-06	1.24E-07	3.72E-06	2.52E-07	4.58E-07	4.05E-08	7.51E-07	1.95E-07	2.55E-07	1.85E-08	4.69E-07
770	565988.2	4222493	1.93E-06	2.36E-06	1.24E-07	4.42E-06	1.02E-06	2.59E-06	1.24E-07	3.74E-06	2.54E-07	4.61E-07	4.07E-08	7.56E-07	1.96E-07	2.57E-07	1.86E-08	4.72E-07
771	565988.4	4222484	1.94E-06	2.37E-06	1.25E-07	4.44E-06	1.03E-06	2.60E-06	1.25E-07	3.75E-06	2.55E-07	4.63E-07	4.09E-08	7.59E-07	1.97E-07	2.58E-07	1.86E-08	4.74E-07
772	566004.2	4222519	1.81E-06	2.21E-06	1.16E-07	4.13E-06	9.57E-07	2.42E-06	1.16E-07	3.49E-06	2.37E-07	4.31E-07	3.80E-08	7.06E-07	1.83E-07	2.40E-07	1.73E-08	4.41E-07
773	565997	4222536	1.82E-06	2.23E-06	1.17E-07	4.17E-06	9.68E-07	2.44E-06	1.17E-07	3.53E-06	2.40E-07	4.35E-07	3.84E-08	7.13E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
774	565989.9	4222552	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.71E-07	2.45E-06	1.18E-07	3.54E-06	2.41E-07	4.37E-07	3.86E-08	7.16E-07	1.86E-07	2.43E-07	1.76E-08	4.47E-07
775	565982.7	4222568	1.83E-06	2.23E-06	1.18E-07	4.17E-06	9.68E-07	2.44E-06	1.18E-07	3.53E-06	2.40E-07	4.36E-07	3.85E-08	7.14E-07	1.86E-07	2.43E-07	1.75E-08	4.46E-07
776	565975.6	4222585	1.81E-06	2.21E-06	1.17E-07	4.14E-06	9.61E-07	2.43E-06	1.17E-07	3.50E-06	2.38E-07	4.32E-07	3.82E-08	7.09E-07	1.84E-07	2.41E-07	1.74E-08	4.42E-07
777	565972	4222593	1.8E-06	2.2E-06	1.16E-07	4.12E-06	9.55E-07	2.41E-06	1.16E-07	3.48E-06	2.37E-07	4.30E-07	3.79E-08	7.04E-07	1.83E-07	2.39E-07	1.73E-08	4.40E-07
778	565964.8	4222609	1.78E-06	2.17E-06	1.14E-07	4.06E-06	9.43E-07	2.38E-06	1.14E-07	3.44E-06	2.34E-07	4.24E-07	3.74E-08	6.95E-07	1.81E-07	2.36E-07	1.71E-08	4.34E-07
779	565961.3	4222617	1.77E-06	2.16E-06	1.14E-07	4.03E-06	9.36E-07	2.36E-06	1.14E-07	3.41E-06	2.32E-07	4.21E-07	3.72E-08	6.90E-07	1.79E-07	2.35E-07	1.70E-08	4.31E-07
780	565954.1	4222634	1.73E-06	2.11E-06	1.11E-07	3.95E-06	9.17E-07	2.31E-06	1.11E-07	3.34E-06	2.27E-07	4.13E-07	3.64E-08	6.76E-07	1.76E-07	2.30E-07	1.66E-08	4.22E-07
781	565950.5	4222642	1.71E-06	2.09E-06	1.10E-07	3.90E-06	9.06E-07	2.29E-06	1.10E-07	3.30E-06	2.24E-07	4.08E-07	3.60E-08	6.68E-07	1.74E-07	2.27E-07	1.64E-08	4.17E-07
782	565943.4	4222658	1.66E-06	2.03E-06	1.07E-07	3.80E-06	8.82E-07	2.23E-06	1.07E-07	3.22E-06	2.18E-07	3.97E-07	3.50E-08	6.50E-07	1.69E-07	2.21E-07	1.60E-08	4.06E-07
783	565932.6	4222683	1.57E-06	1.92E-06	1.01E-07	3.59E-06	8.32E-07	2.10E-06	1.01E-07	3.03E-06	2.06E-07	3.74E-07	3.30E-08	6.13E-07	1.59E-07	2.08E-07	1.51E-08	3.83E-07
784	565929.1	4222691	1.53E-06	1.87E-06	9.86E-08	3.50E-06	8.12E-07	2.05E-06	9.86E-08	2.96E-06	2.01E-07	3.65E-07	3.23E-08	5.99E-07	1.56E-07	2.03E-07	1.47E-08	3.74E-07
785	565921.9	4222707	1.45E-06	1.77E-06	9.35E-08	3.32E-06	7.70E-07	1.94E-06	9.35E-08	2.81E-06	1.91E-07	3.47E-07	3.06E-08	5.68E-07	1.48E-07	1.93E-07	1.40E-08	3.55E-07
786	565918.3	4222715	1.41E-06	1.72E-06	9.08E-08	3.23E-06	7.48E-07	1.89E-06	9.08E-08	2.73E-06	1.85E-07	3.37E-07	2.97E-08	5.52E-07	1.43E-07	1.87E-07	1.36E-08	3.44E-07
787	565911.2	4222732	1.32E-06	1.61E-06	8.51E-08	3.02E-06	7.01E-07	1.77E-06	8.51E-08	2.56E-06	1.74E-07	3.15E-07	2.78E-08	5.17E-07	1.34E-07	1.76E-07	1.27E-08	3.23E-07
788	565907.6	4222740	1.27E-06	1.56E-06	8.20E-08	2.91E-06	6.76E-07	1.71E-06	8.20E-08	2.46E-06	1.67E-07	3.04E-07	2.68E-08	4.98E-07	1.30E-07	1.69E-07	1.22E-08	3.11E-07
789	565900.5	4222756	1.18E-06	1.44E-06	7.61E-08	2.70E-06	6.27E-07	1.58E-06	7.61E-08	2.29E-06	1.55E-07	2.82E-07	2.49E-08	4.62E-07	1.20E-07	1.57E-07	1.14E-08	2.88E-07
790	565896.9	4222764	1.14E-06	1.39E-06	7.33E-08	2.60E-06	6.04E-07	1.52E-06	7.33E-08	2.20E-06	1.50E-07	2.72E-07	2.40E-08	4.45E-07	1.16E-07	1.51E-07	1.09E-08	2.78E-07
791	565882.6	4222797	9.71E-07	1.19E-06	6.25E-08	2.22E-06	5.15E-07	1.30E-06	6.25E-08	1.88E-06	1.28E-07	2.32E-07	2.05E-08	3.80E-07	9.87E-08	1.29E-07	9.33E-09	2.37E-07
792	565875.4	4222813	9.1E-07	1.11E-06	5.86E-08	2.08E-06	4.82E-07	1.22E-06	5.86E-08	1.76E-06	1.19E-07	2.17E-07	1.92E-08	3.56E-07	9.25E-08	1.21E-07	8.74E-09	2.22E-07
793	565871.8	4222821	8.79E-07	1.07E-06	5.66E-08	2.01E-06	4.66E-07	1.18E-06	5.66E-08	1.70E-06	1.15E-07	2.10E-07	1.85E-08	3.44E-07	8.93E-08	1.17E-07	8.44E-09	2.15E-07
794	565864.7	4222838	8.27E-07	1.01E-06	5.32E-08	1.89E-06	4.38E-07	1.11E-06	5.32E-08	1.60E-06	1.09E-07	1.97E-07	1.74E-08	3.23E-07	8.40E-08	1.10E-07	7.94E-09	2.02E-07
795	565845.7	4222865	7.38E-07	9.01E-07	4.75E-08	1.69E-06	3.91E-07	9.88E-07	4.75E-08	1.43E-06	9.69E-08	1.76E-07	1.55E-08	2.89E-07	7.50E-08	9.81E-08	7.09E-09	1.80E-07
796	565829.1	4222872	7.03E-07	8.59E-07	4.53E-08	1.61E-06	3.73E-07	9.42E-07	4.53E-08	1.36E-06	9.24E-08	1.68E-07	1.48E-08	2.75E-07	7.15E-08	9.34E-08	6.76E-09	1.72E-07
797	565812.6	4222879	6.65E-07	8.12E-07	4.28E-08	1.52E-06	3.53E-07	8.90E-07	4.28E-08	1.29E-06	8.73E-08	1.59E-07	1.40E-08	2.60E-07	6.76E-08	8.83E-08	6.39E-09	1.62E-07
798	565779.5	4222892	5.77E-07	7.05E-07	3.72E-08	1.32E-06	3.06E-07	7.73E-07	3.72E-08	1.12E-06	7.58E-08	1.38E-07	1.22E-08	2.26E-07	5.87E-08	7.67E-08	5.55E-09	1.41E-07
799	565762.9	4222899	5.3E-07	6.48E-07	3.41E-08	1.21E-06	2.81E-07	7.10E-07	3.41E-08	1.03E-06	6.96E-08	1.27E-07	1.12E-08	2.07E-07	5.39E-08	7.04E-08	5.09E-09	1.29E-07
800	565746.4	4222905	4.95E-07	6.05E-07	3.19E-08	1.13E-06	2.62E-07	6.63E-07	3.19E-08	9.57E-07	6.50E-08	1.18E-07	1.04E-08	1.94E-07	5.03E-08	6.58E-08	4.76E-09	1.21E-07
801	565696.7	4222925	3.97E-07	4.85E-07	2.56E-08	9.08E-07	2.11E-07	5.32E-07	2.56E-08	7.68E-07	5.22E-08	9.48E-08	8.37E-09	1.55E-07	4.04E-08	5.28E-08	3.82E-09	9.70E-08
802	565680.2	4222932	3.73E-07	4.56E-07	2.40E-08	8.54E-07	1.98E-07	5.00E-07	2.40E-08	7.22E-07	4.91E-08	8.91E-08	7.87E-09	1.46E-07	3.80E-08	4.96E-08	3.59E-09	9.12E-08
803	565663.6	4222938	3.52E-07	4.3E-07	2.26E-08	8.04E-07	1.87E-07	4.71E-07	2.26E-08	6.80E-07	4.62E-08	8.39E-08	7.41E-09	1.38E-07	3.57E-08	4.67E-08	3.38E-09	8.59E-08
804	565556.1	4222981	2.8E-07	3.42E-07	1.80E-08	6.41E-07	1.49E-07	3.75E-07	1.80E-08	5.42E-07	3.68E-08	6.69E-08	5.90E-09	1.10E-07	2.85E-08	3.72E-08	2.69E-09	6.84E-08
805	566008	4222502	1.81E-06	2.22E-06	1.17E-07	4.15E-06	9.62E-07	2.43E-06	1.17E-07	3.51E-06	2.38E-07	4.33E-07	3.82E-08	7.09E-07	1.84E-07	2.41E-07	1.74E-08	4.43E-07
806	566008.2	4222493	1.83E-06	2.23E-06	1.18E-07	4.17E-06	9.68E-07	2.44E-06	1.18E-07	3.53E-06	2.40E-07	4.36E-07	3.85E-08	7.14E-07	1.86E-07	2.43E-07	1.75E-08	4.46E-07
807	566008.4	4222484	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.72E-07	2.46E-06	1.18E-07	3.55E-06	2.41E-07	4.38E-07	3.86E-08	7.17E-07	1.86E-07	2.44E-07	1.76E-08	4.48E-07
808	566024.2	4222520	1.72E-06	2.1E-06	1.11E-07	3.93E-06	9.12E-07	2.30E-06	1.11E-07	3.33E-06	2.26E-07	4.11E-07	3.62E-08	6.73E-07	1.75E-07	2.29E-07	1.65E-08	4.20E-07
809	566017.1	4222536	1.73E-06	2.12E-06	1.12E-07	3.96E-06	9.19E-07	2.32E-06	1.12E-07	3.35E-06	2.28E-07	4.13E-07	3.65E-08	6.77E-07	1.76E-07	2.30E-07	1.66E-08	4.23E-07
810	566010	4222552	1.74E-06	2.12E-06	1.12E-07	3.97E-06	9.21E-07	2.33E-06	1.12E-07	3.36E-06	2.28E-07	4.14E-07	3.66E-08	6.79E-07	1.77E-07	2.31E-07	1.67E-08	4.24E-07
811	566002.9	4222569	1.73E-06	2.11E-06	1.11E-07	3.95E-06	9.16E-07	2.31E-06	1.11E-07	3.34E-06	2.27E-07	4.12E-07	3.64E-08	6.75E-07	1.76E-07	2.30E-07	1.66E-08	4.22E-07
812	565995.8	4222585	1.71E-06	2.09E-06	1.10E-07	3.92E-06	9.09E-07	2.30E-06	1.10E-07	3.31E-06	2.25E-07	4.09E-07	3.61E-08	6.70E-07	1.74E-07	2.28E-07	1.65E-08	4.18E-07
813	565992.2	4222593	1.7E-06	2.08E-06	1.10E-07	3.90E-06	9.04E-07	2.28E-06	1.10E-07	3.30E-06	2.24E-07	4.07E-07	3.59E-08	6.66E-07	1.73E-07	2.26E-07	1.64E-08	4.16E-07
814	565985.1	4222609	1.68E-06	2.05E-06	1.08E-07	3.84E-06	8.92E-07	2.25E-06	1.08E-07	3.25E-06	2.21E-07	4.01E-07	3.54E-08	6.58E-07	1.71E-07	2.23E-07	1.62E-08	4.10E-07
815	565978	4222625	1.66E-06	2.03E-06	1.07E-07	3.79E-06	8.80E-07	2.22E-06	1.07E-07	3.21E-06	2.18E-07	3.96E-07	3.50E-08	6.49E-07	1.69E-07	2.21E-07	1.60E-08	4.05E-07
816	565970.9	4222641	1.63E-06	1.99E-06	1.05E-07	3.73E-06	8.65E-07	2.18E-06	1.05E-07	3.15E-06	2.14E-07	3.89E-07	3.43E-08	6.38E-07	1.66E-07	2.17E-07	1.57E-08	3.98E-07
817	565963.8	4222658	1.59E-06	1.95E-06	1.03E-07	3.64E-06	8.45E-07	2.13E-06	1.03E-07	3.08E-06	2.09E-07	3.80E-07	3.36E-08	6.23E-07	1.62E-07	2.12E-07	1.53E-08	3.89E-07
818	565960.2	4222666	1.57E-06	1.92E-06	1.01E-07	3.59E-06	8.34E-07	2.10E-06	1.01E-07	3.04E-06	2.06E-07	3.75E-07	3.31E-08	6.15E-07	1.60E-07	2.09E-07	1.51E-08	3.84E-07
819	565946	4222698	1.45E-06	1.77E-06	9.32E-08	3.31E-06	7.67E-07	1.94E-06	9.32E-08	2.80E-06	1.90E-07	3.45E-07	3.05E-08	5.66E-07	1.47E-07	1.92E-07	1.39E-08	3.53E-07
820	565942.5	4222706	1.41E-06	1.73E-06	9.09E-08	3.23E-06	7.49E-07	1.89E-06	9.09E-08	2.73E-06	1.85E-07	3.37E-07	2.97E-08	5.52E-07	1.44E-07	1.88E-07	1.36E-08	3.45E-07
821	565935.4	4222723	1.34E-06	1.63E-06	8.61E-08	3.06E-06	7.10E-07	1.79E-06	8.61E-08	2.59E-06	1.76E-07	3.19E-07	2.82E-08	5.23E-07	1.36E-07	1.78E-07	1.29E-08	3.27E-07
822	565928.3	4222739	1.26E-06	1.53E-06	8.09E-08	2.87E-06	6.66E-07	1.68E-06	8.09E-08	2.43E-06	1.65E-07	3.00E-07	2.65E-08	4.91E-07	1.28E-07	1.67E-07	1.21E-08	3.07E-07
823	565924.7	4222747	1.21E-06	1.48E-06	7.80E-08	2.77E-06	6.43E-07	1.62E-06	7.80E-08	2.34E-06	1.59E-07	2.89E-07	2.55E-08	4.74E-07	1.23E-07	1.61E-07	1.16E-08	2.96E-07
824	565917.6	4222763	1.13E-06	1.38E-06	7.26E-08	2.58E-06	5.98E-07	1.51E-06	7.26E-08	2.18E-06	1.48E-07	2.69E-07	2.37E-08	4.41E-07	1.15E-07	1.50E-07	1.08E-08	2.75E-07
825	565910.5	4222779	1.05E-06	1.28E-06	6.77E-08	2.40E-06	5.58E-07	1.41E-06	6.77E-08	2.03E-06	1.38E-07	2.51E-07	2.22E-08	4.11E-07	1.07E-07	1.40E-07	1.01E-08	2.57E-07
826	565896.3	4222812	9.14E-07	1.12E-06	5.88E-08	2.09E-06	4.84E-07	1.22E-06	5.88E-08	1.77E-06	1.20E-07	2.18E-07	1.92E-08	3.57E-07	9.28E-08	1.21E-07	8.78E-09	2.23E-07
827	565892.7	4222820	8.85E-07	1.08E-06	5.69E-08	2.02E-06	4.69E-07	1.18E-06	5.69E-08	1.71E-06	1.16E-07	2.11E-07	1.86E-08	3.46E-07	8.99E-08	1.18E-07	8.50E-09	2.16E-07
828	565885.6	4222836	8.25E-07	1.01E-06	5.31E-08	1.89E-06	4.37E-07	1.10E-06	5.31E-08	1.59E-06	1.08E-07	1.97E-07	1.74E-08	3.23E-07	8.38E-08	1.10E-07	7.93E-09	2.01E-07
829	565878.5	4222852	7.72E-07	9.43E-07	4.97E-08	1.76E-06	4.09E-07	1.03E-06	4.97E-08	1.49E-06	1.01E-07	1.84E-07	1.63E-08	3.02E-07	7.84E-08	1.03E-07	7.42E-09	1.88E-07
830	565859.7	4222880	6.95E-07	8.49E-07	4.48E-08	1.59E-06	3.69E-07	9.31E-07	4.48E-08	1.34E-06	9.13E-08	1.66E-07	1.46E-08	2.72E-07	7.07E-08	9.24E-08	6.68E-09	1.70E-07
831	565843.2	4222886	6.65E-07	8.12E-07	4.28E-08	1.52E-06	3.52E-07	8.90E-07	4.28E-08	1.29E-06	8.73E-08	1.59E-07	1.40E-08	2.60E-07	6.76E-08	8.83E-08	6.39E-09	1.62E-07
832	565826.8	4222893	6.28E-07	7.67E-07	4.04E-08	1.44E-06	3.33E-07	8.41E-07	4.04E-08	1.21E-06	8.25E-08	1.50E-07	1.32E-08	2.46E-07	6.38E-08	8.35E-08	6.04E-09	1.53E-07
833	565793.9	4222906	5.56E-07	6.79E-07	3.58E-08	1.27E-06	2.95E-07	7.44E-07	3.58E-08	1.07E-06	7.30E-08	1.33E-07	1.17E-08	2.17E-07	5.65E-08	7.38E-08	5.34E-09	1.36E-07
834	565777.4	4222913	5.12E-07	6.25E-07	3.30E-08	1.17E-06	2.71E-07	6.86E-07	3.30E-08	9.90E-07	6.72E-08	1.22E-07	1.08E-08	2.00E-07	5.20E-08	6.80E-08	4.92E-09	1.25E-07
835	565761	4222919	4.71E-07	5.76E-07	3.03E-08	1.08E-06	2.50E-07	6.31E-07	3.03E-08	9.12E-07	6.19E-08	1.12E-07	9.93E-09	1.84E-07	4.79E-08	6.26E-08	4.53E-09	1.15E-07
836	565744.6	4222926	4.38E-07	5.35E-07	2.82E-08	1.00E-06	2.32E-07	5.86E-07	2.82E-08	8.47E-07	5.75E-08	1.05E-07	9.23E-09	1.71E-07	4.45E-08	5.82E-08	4.21E-09	1.07E-07
837	565728.1	4222932	4.06E-07	4.96E-07	2.62E-08	9.29E-07	2.15E-07	5.44E-07	2.62E-08	7.86E-07	5.34E-08	9.70E-08	8.56E-09	1.59E-07	4.13E-08	5.40E-08	3.90E-09	9.92E-08
838	565711.7	4222939	3.81E-07	4.65E-07	2.45E-08	8.71E-07	2.02E-07	5.10E-07	2.45E-08	7.36E-07	5.00E-08	9.09E-08	8.02E-09	1.49E-07	3.87E-08	5.06E-08	3.66E-09	9.30E-08
839	566028	4222503	1.72E-06	2.11E-06	1.11E-07	3.94E-06	9.14E-07	2.31E-06	1.11E-07	3.33E-06	2.26E-07	4.11E-07	3.63E-08	6.74E-07	1.75E-07	2.29E-07	1.66E-08	4.21E-07
840	566028.2	4222494	1.73E-06	2.11E-06	1.11E-07	3.96E-06	9.18E-07	2.32E-06	1.11E-07	3.35E-06	2.27E-07	4.13E-07	3.65E-08	6.77E-07	1.76E-07	2.30E-07	1.66E-08	4.22E-07
841	566028.4	4222485	1.74E-06	2.12E-06	1.12E-07	3.97E-06	9.21E-07	2.33E-06	1.12E-07	3.36E-06	2.28E-07	4.14E-07	3.66E-08	6.79E-07	1.76E-07	2.31E-07	1.67E-08	4.24E-07
842	566044.1	4222520	1.64E-06	2E-06	1.06E-07	3.75E-06	8.70E-07	2.20E-06	1.06E-07	3.17E-06	2.16E-07	3.92E-07	3.46E-08	6.42E-07	1.67E-07	2.18E-07	1.58E-08	4.01E-07
843	566036.9	4222537	1.65E-06	2.01E-06	1.06E-07	3.77E-06	8.75E-07	2.21E-06	1.06E-07	3.19E-06	2.17E-07	3.94E-07	3.47E-08	6.45E-07	1.68E-07	2.19E-07	1.59E-08	4.03E-07
844	566029.7	4222553	1.65E-06	2.01E-06	1.06E-07	3.77E-06	8.74E-07	2.21E-06	1.06E-07	3.19E-06	2.16E-07	3.93E-07	3.47E-08	6.44E-07	1.68E-07	2.19E-07	1.58E-08	4.02E-07
845	566022.5	4222570	1.63E-06	2E-06	1.05E-07	3.74E-06	8.67E-07	2.19E-06	1.05E-07	3.16E-06	2.15E-07	3.90E-07	3.44E-08	6.39E-07	1.66E-07	2.17E-07	1.57E-08	3.99E-07
846	566015.3	4222586	1.62E-06	1.98E-06	1.04E-07	3.70E-06	8.59E-07	2.17E-06	1.04E-07	3.13E-06	2.13E-07	3.87E-07	3.41E-08	6.34E-07	1.65E-07	2.15E-07	1.56E-08	3.96E-07
847	566008	4222603	1.6E-06	1.96E-06	1.03E-07	3.66E-06	8.49E-07	2.15E-06	1.03E-07	3.10E-06	2.10E-07	3.82E-07	3.37E-08	6.26E-07	1.63E-07	2.13E-07	1.54E-08	3.91E-07
848	566000.8	4222619	1.59E-06	1.94E-06	1.02E-07	3.62E-06	8.41E-07	2.12E-06	1.02E-07	3.07E-06	2.08E-07	3.78E-07	3.34E-08	6.20E-07	1.61E-07	2.11E-07	1.52E-08	3.87E-07
849	565993.6	4222636	1.56E-06	1.91E-06	1.01E-07	3.58E-06	8.29E-07	2.09E-06	1.01E-07	3.02E-06	2.05E-07	3.73E-07	3.29E-08	6.12E-07	1.59E-07	2.08E-07	1.50E-08	3.82E-07
850	565990	4222644	1.55E-06	1.89E-06	9.96E-08	3.54E-06	8.21E-07	2.07E-06	9.96E-08	2.99E-06	2.03E-07	3.69E-07	3.26E-08	6.05E-07	1.57E-07	2.06E-07	1.49E-08	3.78E-07
851	565982.8	4222660	1.51E-06	1.85E-06	9.74E-08	3.46E-06	8.03E-07	2.03E-06	9.74E-08	2.93E-06	1.99E-07	3.61E-07	3.19E-08	5.92E-07	1.54E-07	2.01E-07	1.45E-08	3.70E-07
852	565975.6	4222677	1.47E-06	1.8E-06	9.47E-08	3.36E-06	7.80E-07	1.97E-06	9.47E-08	2.84E-06	1.93E-07	3.51E-07	3.10E-08	5.75E-07	1.49E-07	1.95E-07	1.41E-08	3.59E-07
853	565968.4	4222693	1.42E-06	1.73E-06	9.11E-08	3.24E-06	7.51E-07	1.90E-06	9.11E-08	2.74E-06	1.86E-07	3.38E-07	2.98E-08	5.53E-07	1.44E-07	1.88E-07	1.36E-08	3.46E-07
854	565961.1	4222710	1.35E-06	1.65E-06	8.71E-08	3.09E-06	7.17E-07	1.81E-06	8.71E-08	2.62E-06	1.78E-07	3.23E-07	2.85E-08	5.29E-07	1.37E-07	1.80E-07	1.30E-08	3.30E-07
855	565953.9	4222726	1.29E-06	1.57E-06	8.27E-08	2.94E-06	6.81E-07	1.72E-06	8.27E-08	2.48E-06	1.69E-07	3.07E-07	2.71E-08	5.02E-07	1.31E-07	1.71E-07	1.23E-08	3.14E-07
856	565946.7	4222743	1.21E-06	1.48E-06	7.81E-08	2.78E-06	6.44E-07	1.63E-06	7.81E-08	2.35E-06	1.59E-07	2.90E-07	2.56E-08	4.75E-07	1.23E-07	1.61E-07	1.17E-08	2.96E-07
857	565943.1	4222751	1.18E-06	1.44E-06	7.57E-08	2.69E-06	6.23E-07	1.57E-06	7.57E-08	2.27E-06	1.54E-07	2.81E-07	2.48E-08	4.60E-07	1.19E-07	1.56E-07	1.13E-08	2.87E-07
858	565935.9	4222767	1.1E-06	1.35E-06	7.10E-08	2.52E-06	5.84E-07	1.48E-06	7.10E-08	2.13E-06	1.45E-07	2.63E-07	2.32E-08	4.31E-07	1.12E-07	1.46E-07	1.06E-08	2.69E-07
859	565928.7	4222784	1.03E-06	1.26E-06	6.63E-08	2.36E-06	5.46E-07	1.38E-06	6.63E-08	1.99E-06	1.35E-07	2.46E-07	2.17E-08	4.03E-07	1.05E-07	1.37E-07	9.90E-09	2.52E-07
860	565914.2	4222817	8.88E-07	1.08E-06	5.72E-08	2.03E-06	4.71E-07	1.19E-06	5.72E-08	1.72E-06	1.17E-07	2.12E-07	1.87E-08	3.47E-07	9.02E-08	1.18E-07	8.53E-09	2.17E-07
861	565907	4222833	8.42E-07	1.03E-06	5.42E-08	1.92E-06	4.46E-07	1.13E-06	5.42E-08	1.63E-06	1.11E-07	2.01E-07	1.77E-08	3.29E-07	8.55E-08	1.12E-07	8.09E-09	2.05E-07
862	565899.8	4222850	7.89E-07	9.63E-07	5.08E-08	1.80E-06	4.18E-07	1.06E-06	5.08E-08	1.52E-06	1.04E-07	1.88E-07	1.66E-08	3.08E-07	8.01E-08	1.05E-07	7.58E-09	1.93E-07
863	565873.4	4222894	6.49E-07	7.93E-07	4.18E-08	1.48E-06	3.44E-07	8.69E-07	4.18E-08	1.25E-06	8.52E-08	1.55E-07	1.37E-08	2.54E-07	6.59E-08	8.62E-08	6.23E-09	1.58E-07
864	565856.7	4222901	6.25E-07	7.64E-07	4.02E-08	1.43E-06	3.32E-07	8.37E-07	4.02E-08	1.21E-06	8.21E-08	1.49E-07	1.32E-08	2.44E-07	6.35E-08	8.31E-08	6.01E-09	1.53E-07
865	565848.4	4222904	6.09E-07	7.44E-07	3.92E-08	1.39E-06	3.23E-07	8.16E-07	3.92E-08	1.18E-06	8.00E-08	1.45E-07	1.28E-08	2.38E-07	6.19E-08	8.10E-08	5.86E-09	1.49E-07
866	565831.7	4222911	5.75E-07	7.02E-07	3.70E-08	1.31E-06	3.05E-07	7.70E-07	3.70E-08	1.11E-06	7.55E-08	1.37E-07	1.21E-08	2.25E-07	5.84E-08	7.64E-08	5.52E-09	1.40E-07
867	565815	4222918	5.41E-07	6.61E-07	3.48E-08	1.24E-06	2.87E-07	7.25E-07	3.48E-08	1.05E-06	7.11E-08	1.29E-07	1.14E-08	2.12E-07	5.50E-08	7.19E-08	5.20E-09	1.32E-07
868	565806.6	4222921	5.25E-07	6.41E-07	3.38E-08	1.20E-06	2.78E-07	7.02E-07	3.38E-08	1.01E-06	6.89E-08	1.25E-07	1.10E-08	2.05E-07	5.33E-08	6.97E-08	5.04E-09	1.28E-07
869	565789.9	4222928	4.9E-07	5.99E-07	3.15E-08	1.12E-06	2.60E-07	6.56E-07	3.15E-08	9.48E-07	6.44E-08	1.17E-07	1.03E-08	1.92E-07	4.98E-08	6.51E-08	4.71E-09	1.20E-07
870	565781.6	4222931	4.7E-07	5.74E-07	3.03E-08	1.07E-06	2.49E-07	6.30E-07	3.03E-08	9.09E-07	6.17E-08	1.12E-07	9.90E-09	1.84E-07	4.78E-08	6.25E-08	4.52E-09	1.15E-07
871	565764.9	4222938	4.32E-07	5.28E-07	2.78E-08	9.88E-07	2.29E-07	5.79E-07	2.78E-08	8.36E-07	5.68E-08	1.03E-07	9.10E-09	1.69E-07	4.39E-08	5.74E-08	4.15E-09	1.06E-07
872	565739.9	4222948	3.88E-07	4.74E-07	2.50E-08	8.86E-07	2.06E-07	5.19E-07	2.50E-08	7.50E-07	5.09E-08	9.25E-08	8.17E-09	1.52E-07	3.94E-08	5.15E-08	3.73E-09	9.47E-08
873	565731.5	4222951	3.75E-07	4.58E-07	2.41E-08	8.57E-07	1.99E-07	5.02E-07	2.41E-08	7.25E-07	4.92E-08	8.94E-08	7.89E-09	1.47E-07	3.81E-08	4.98E-08	3.60E-09	9.15E-08
874	565714.8	4222958	3.53E-07	4.32E-07	2.27E-08	8.08E-07	1.87E-07	4.73E-07	2.27E-08	6.83E-07	4.64E-08	8.43E-08	7.44E-09	1.38E-07	3.59E-08	4.70E-08	3.40E-09	8.63E-08
875	565706.5	4222961	3.44E-07	4.2E-07	2.21E-08	7.85E-07	1.82E-07	4.60E-07	2.21E-08	6.64E-07	4.51E-08	8.20E-08	7.24E-09	1.34E-07	3.49E-08	4.56E-08	3.30E-09	8.39E-08
876	565689.8	4222968	3.26E-07	3.98E-07	2.10E-08	7.44E-07	1.73E-07	4.36E-07	2.10E-08	6.30E-07	4.28E-08	7.77E-08	6.86E-09	1.27E-07	3.31E-08	4.33E-08	3.13E-09	7.95E-08
877	565681.4	4222971	3.17E-07	3.88E-07	2.04E-08	7.26E-07	1.68E-07	4.25E-07	2.04E-08	6.14E-07	4.17E-08	7.57E-08	6.69E-09	1.24E-07	3.23E-08	4.22E-08	3.05E-09	7.75E-08

878	565556.2	4223021	2.52E-07	3.08E-07	1.62E-08	5.76E-07	1.34E-07	3.37E-07	1.62E-08	4.87E-07	3.31E-08	6.01E-08	5.31E-09	9.85E-08	2.56E-08	3.35E-08	2.42E-09	6.15E-08
879	565539.5	4223028	2.48E-07	3.03E-07	1.60E-08	5.68E-07	1.32E-07	3.33E-07	1.60E-08	4.80E-07	3.26E-08	5.93E-08	5.23E-09	9.71E-08	2.52E-08	3.30E-08	2.39E-09	6.06E-08
880	566047.7	4222512	1.63E-06	2E-06	1.05E-07	3.74E-06	8.66E-07	2.19E-06	1.05E-07	3.16E-06	2.15E-07	3.90E-07	3.44E-08	6.39E-07	1.66E-07	2.17E-07	1.57E-08	3.99E-07
881	566047.9	4222503	1.64E-06	2E-06	1.06E-07	3.75E-06	8.69E-07	2.19E-06	1.06E-07	3.17E-06	2.15E-07	3.91E-07	3.45E-08	6.41E-07	1.67E-07	2.18E-07	1.58E-08	4.00E-07
882	566048.2	4222494	1.64E-06	2.01E-06	1.06E-07	3.76E-06	8.71E-07	2.20E-06	1.06E-07	3.18E-06	2.16E-07	3.92E-07	3.46E-08	6.42E-07	1.67E-07	2.18E-07	1.58E-08	4.01E-07
883	566048.4	4222485	1.65E-06	2.01E-06	1.06E-07	3.76E-06	8.73E-07	2.20E-06	1.06E-07	3.18E-06	2.16E-07	3.93E-07	3.47E-08	6.44E-07	1.67E-07	2.19E-07	1.58E-08	4.02E-07
884	566064.1	4222521	1.57E-06	1.91E-06	1.01E-07	3.58E-06	8.30E-07	2.10E-06	1.01E-07	3.03E-06	2.06E-07	3.74E-07	3.30E-08	6.12E-07	1.59E-07	2.08E-07	1.50E-08	3.82E-07
885	566057	4222537	1.58E-06	1.93E-06	1.01E-07	3.60E-06	8.36E-07	2.11E-06	1.01E-07	3.05E-06	2.07E-07	3.76E-07	3.32E-08	6.16E-07	1.60E-07	2.09E-07	1.51E-08	3.85E-07
886	566049.8	4222554	1.57E-06	1.92E-06	1.01E-07	3.60E-06	8.34E-07	2.11E-06	1.01E-07	3.04E-06	2.07E-07	3.75E-07	3.31E-08	6.15E-07	1.60E-07	2.09E-07	1.51E-08	3.84E-07
887	566046.2	4222562	1.56E-06	1.91E-06	1.01E-07	3.58E-06	8.30E-07	2.09E-06	1.01E-07	3.03E-06	2.05E-07	3.73E-07	3.30E-08	6.12E-07	1.59E-07	2.08E-07	1.50E-08	3.82E-07
888	566039	4222578	1.54E-06	1.88E-06	9.93E-08	3.53E-06	8.18E-07	2.07E-06	9.93E-08	2.98E-06	2.03E-07	3.68E-07	3.25E-08	6.03E-07	1.57E-07	2.05E-07	1.48E-08	3.77E-07
889	566035.5	4222586	1.54E-06	1.88E-06	9.88E-08	3.51E-06	8.14E-07	2.06E-06	9.88E-08	2.97E-06	2.02E-07	3.66E-07	3.23E-08	6.00E-07	1.56E-07	2.04E-07	1.48E-08	3.75E-07
890	566028.3	4222603	1.52E-06	1.86E-06	9.78E-08	3.47E-06	8.05E-07	2.03E-06	9.78E-08	2.94E-06	2.00E-07	3.62E-07	3.20E-08	5.94E-07	1.54E-07	2.02E-07	1.46E-08	3.71E-07
891	566024.7	4222611	1.51E-06	1.85E-06	9.73E-08	3.46E-06	8.02E-07	2.02E-06	9.73E-08	2.92E-06	1.99E-07	3.61E-07	3.19E-08	5.91E-07	1.54E-07	2.01E-07	1.45E-08	3.69E-07
892	566017.5	4222627	1.5E-06	1.83E-06	9.65E-08	3.43E-06	7.95E-07	2.01E-06	9.65E-08	2.90E-06	1.97E-07	3.58E-07	3.16E-08	5.86E-07	1.52E-07	1.99E-07	1.44E-08	3.66E-07
893	566014	4222635	1.49E-06	1.82E-06	9.59E-08	3.41E-06	7.90E-07	2.00E-06	9.59E-08	2.88E-06	1.96E-07	3.56E-07	3.14E-08	5.83E-07	1.51E-07	1.98E-07	1.43E-08	3.64E-07
894	566006.8	4222652	1.46E-06	1.78E-06	9.37E-08	3.33E-06	7.71E-07	1.95E-06	9.37E-08	2.81E-06	1.91E-07	3.47E-07	3.06E-08	5.69E-07	1.48E-07	1.93E-07	1.40E-08	3.55E-07
895	565999.6	4222668	1.42E-06	1.73E-06	9.13E-08	3.24E-06	7.52E-07	1.90E-06	9.13E-08	2.74E-06	1.86E-07	3.39E-07	2.99E-08	5.55E-07	1.44E-07	1.88E-07	1.36E-08	3.46E-07
896	565996	4222676	1.4E-06	1.7E-06	8.98E-08	3.19E-06	7.40E-07	1.87E-06	8.98E-08	2.70E-06	1.83E-07	3.33E-07	2.94E-08	5.45E-07	1.42E-07	1.85E-07	1.34E-08	3.41E-07
897	565988.9	4222693	1.35E-06	1.65E-06	8.67E-08	3.08E-06	7.14E-07	1.80E-06	8.67E-08	2.60E-06	1.77E-07	3.21E-07	2.84E-08	5.27E-07	1.37E-07	1.79E-07	1.29E-08	3.29E-07
898	565985.3	4222701	1.33E-06	1.62E-06	8.54E-08	3.03E-06	7.03E-07	1.78E-06	8.54E-08	2.56E-06	1.74E-07	3.16E-07	2.79E-08	5.19E-07	1.35E-07	1.76E-07	1.27E-08	3.24E-07
899	565974.5	4222725	1.25E-06	1.53E-06	8.05E-08	2.86E-06	6.63E-07	1.67E-06	8.05E-08	2.42E-06	1.64E-07	2.98E-07	2.63E-08	4.89E-07	1.27E-07	1.66E-07	1.20E-08	3.05E-07
900	565967.4	4222742	1.19E-06	1.46E-06	7.69E-08	2.73E-06	6.33E-07	1.60E-06	7.69E-08	2.31E-06	1.57E-07	2.85E-07	2.52E-08	4.67E-07	1.21E-07	1.59E-07	1.15E-08	2.92E-07
901	565963.8	4222750	1.16E-06	1.42E-06	7.49E-08	2.66E-06	6.17E-07	1.56E-06	7.49E-08	2.25E-06	1.53E-07	2.78E-07	2.45E-08	4.55E-07	1.18E-07	1.55E-07	1.12E-08	2.84E-07
902	565956.6	4222766	1.1E-06	1.34E-06	7.07E-08	2.51E-06	5.83E-07	1.47E-06	7.07E-08	2.12E-06	1.44E-07	2.62E-07	2.31E-08	4.30E-07	1.12E-07	1.46E-07	1.06E-08	2.68E-07
903	565949.4	4222783	1.03E-06	1.26E-06	6.65E-08	2.36E-06	5.48E-07	1.38E-06	6.65E-08	2.00E-06	1.36E-07	2.47E-07	2.18E-08	4.04E-07	1.05E-07	1.37E-07	9.93E-09	2.52E-07
904	565945.9	4222791	1E-06	1.22E-06	6.45E-08	2.29E-06	5.31E-07	1.34E-06	6.45E-08	1.94E-06	1.32E-07	2.39E-07	2.11E-08	3.92E-07	1.02E-07	1.33E-07	9.63E-09	2.45E-07
905	565938.7	4222807	9.41E-07	1.15E-06	6.06E-08	2.15E-06	4.99E-07	1.26E-06	6.06E-08	1.82E-06	1.24E-07	2.25E-07	1.98E-08	3.68E-07	9.57E-08	1.25E-07	9.05E-09	2.30E-07
906	565913.6	4222864	7.55E-07	9.23E-07	4.86E-08	1.73E-06	4.01E-07	1.01E-06	4.86E-08	1.46E-06	9.92E-08	1.80E-07	1.59E-08	2.95E-07	7.68E-08	1.00E-07	7.26E-09	1.84E-07
907	565906.4	4222881	7.04E-07	8.59E-07	4.53E-08	1.61E-06	3.73E-07	9.42E-07	4.53E-08	1.36E-06	9.24E-08	1.68E-07	1.48E-08	2.75E-07	7.15E-08	9.35E-08	6.76E-09	1.72E-07
908	565899.3	4222897	6.52E-07	7.97E-07	4.20E-08	1.49E-06	3.46E-07	8.73E-07	4.20E-08	1.26E-06	8.57E-08	1.56E-07	1.37E-08	2.55E-07	6.63E-08	8.66E-08	6.27E-09	1.59E-07
909	565887.4	4222909	6.14E-07	7.5E-07	3.95E-08	1.40E-06	3.26E-07	8.22E-07	3.95E-08	1.19E-06	8.06E-08	1.46E-07	1.29E-08	2.40E-07	6.24E-08	8.16E-08	5.90E-09	1.50E-07
910	565879.1	4222912	6E-07	7.33E-07	3.86E-08	1.37E-06	3.18E-07	8.03E-07	3.86E-08	1.16E-06	7.88E-08	1.43E-07	1.26E-08	2.35E-07	6.10E-08	7.97E-08	5.76E-09	1.46E-07
911	565862.5	4222919	5.72E-07	6.98E-07	3.68E-08	1.31E-06	3.03E-07	7.65E-07	3.68E-08	1.11E-06	7.51E-08	1.36E-07	1.20E-08	2.23E-07	5.81E-08	7.59E-08	5.49E-09	1.40E-07
912	565854.2	4222922	5.57E-07	6.8E-07	3.58E-08	1.27E-06	2.95E-07	7.45E-07	3.58E-08	1.08E-06	7.31E-08	1.33E-07	1.17E-08	2.18E-07	5.66E-08	7.39E-08	5.35E-09	1.36E-07
913	565812.7	4222938	4.84E-07	5.91E-07	3.11E-08	1.11E-06	2.56E-07	6.47E-07	3.11E-08	9.35E-07	6.35E-08	1.15E-07	1.02E-08	1.89E-07	4.91E-08	6.42E-08	4.65E-09	1.18E-07
914	565796.2	4222945	4.54E-07	5.55E-07	2.92E-08	1.04E-06	2.41E-07	6.08E-07	2.92E-08	8.78E-07	5.97E-08	1.08E-07	9.57E-09	1.78E-07	4.62E-08	6.03E-08	4.36E-09	1.11E-07
915	565779.6	4222952	4.22E-07	5.15E-07	2.71E-08	9.63E-07	2.23E-07	5.64E-07	2.71E-08	8.15E-07	5.54E-08	1.01E-07	8.88E-09	1.65E-07	4.28E-08	5.60E-08	4.05E-09	1.03E-07
916	565754.7	4222962	3.78E-07	4.62E-07	2.43E-08	8.64E-07	2.00E-07	5.06E-07	2.43E-08	7.31E-07	4.97E-08	9.02E-08	7.96E-09	1.48E-07	3.84E-08	5.02E-08	3.63E-09	9.23E-08
917	565746.4	4222965	3.65E-07	4.46E-07	2.35E-08	8.35E-07	1.94E-07	4.89E-07	2.35E-08	7.06E-07	4.80E-08	8.72E-08	7.69E-09	1.43E-07	3.71E-08	4.85E-08	3.51E-09	8.92E-08
918	565729.8	4222971	3.43E-07	4.19E-07	2.21E-08	7.85E-07	1.82E-07	4.60E-07	2.21E-08	6.64E-07	4.51E-08	8.19E-08	7.23E-09	1.34E-07	3.49E-08	4.56E-08	3.30E-09	8.38E-08
919	565721.5	4222975	3.34E-07	4.08E-07	2.15E-08	7.63E-07	1.77E-07	4.47E-07	2.15E-08	6.46E-07	4.38E-08	7.97E-08	7.03E-09	1.31E-07	3.39E-08	4.44E-08	3.21E-09	8.15E-08
920	565704.9	4222981	3.16E-07	3.86E-07	2.03E-08	7.22E-07	1.67E-07	4.23E-07	2.03E-08	6.11E-07	4.15E-08	7.53E-08	6.65E-09	1.23E-07	3.21E-08	4.20E-08	3.03E-09	7.71E-08
921	565688.3	4222988	3.01E-07	3.67E-07	1.93E-08	6.87E-07	1.59E-07	4.02E-07	1.93E-08	5.81E-07	3.95E-08	7.17E-08	6.33E-09	1.18E-07	3.05E-08	3.99E-08	2.89E-09	7.34E-08
922	565555.6	4223041	2.41E-07	2.94E-07	1.55E-08	5.51E-07	1.28E-07	3.22E-07	1.55E-08	4.66E-07	3.16E-08	5.75E-08	5.07E-09	9.42E-08	2.45E-08	3.20E-08	2.31E-09	5.88E-08
923	566067.7	4222513	1.56E-06	1.9E-06	1.00E-07	3.56E-06	8.26E-07	2.09E-06	1.00E-07	3.01E-06	2.05E-07	3.72E-07	3.28E-08	6.09E-07	1.58E-07	2.07E-07	1.50E-08	3.80E-07
924	566067.9	4222504	1.56E-06	1.91E-06	1.00E-07	3.57E-06	8.27E-07	2.09E-06	1.00E-07	3.02E-06	2.05E-07	3.72E-07	3.28E-08	6.10E-07	1.59E-07	2.07E-07	1.50E-08	3.81E-07
925	566068.2	4222495	1.56E-06	1.91E-06	1.00E-07	3.57E-06	8.28E-07	2.09E-06	1.00E-07	3.02E-06	2.05E-07	3.72E-07	3.29E-08	6.10E-07	1.59E-07	2.07E-07	1.50E-08	3.81E-07
926	566068.4	4222486	1.56E-06	1.91E-06	1.01E-07	3.57E-06	8.28E-07	2.09E-06	1.01E-07	3.02E-06	2.05E-07	3.73E-07	3.29E-08	6.11E-07	1.59E-07	2.07E-07	1.50E-08	3.81E-07
927	566084.2	4222521	1.49E-06	1.82E-06	9.59E-08	3.41E-06	7.90E-07	2.00E-06	9.59E-08	2.88E-06	1.96E-07	3.56E-07	3.14E-08	5.83E-07	1.51E-07	1.98E-07	1.43E-08	3.64E-07
928	566077	4222538	1.5E-06	1.84E-06	9.67E-08	3.44E-06	7.97E-07	2.01E-06	9.67E-08	2.91E-06	1.97E-07	3.59E-07	3.17E-08	5.88E-07	1.53E-07	2.00E-07	1.44E-08	3.67E-07
929	566069.9	4222554	1.5E-06	1.84E-06	9.67E-08	3.43E-06	7.97E-07	2.01E-06	9.67E-08	2.91E-06	1.97E-07	3.59E-07	3.16E-08	5.87E-07	1.53E-07	2.00E-07	1.44E-08	3.67E-07
930	566062.8	4222570	1.48E-06	1.81E-06	9.55E-08	3.39E-06	7.87E-07	1.99E-06	9.55E-08	2.87E-06	1.95E-07	3.54E-07	3.13E-08	5.80E-07	1.51E-07	1.97E-07	1.43E-08	3.62E-07
931	566055.7	4222586	1.47E-06	1.79E-06	9.44E-08	3.35E-06	7.78E-07	1.96E-06	9.44E-08	2.84E-06	1.93E-07	3.50E-07	3.09E-08	5.73E-07	1.49E-07	1.95E-07	1.41E-08	3.58E-07
932	566048.5	4222603	1.45E-06	1.77E-06	9.33E-08	3.31E-06	7.69E-07	1.94E-06	9.33E-08	2.80E-06	1.90E-07	3.46E-07	3.05E-08	5.67E-07	1.47E-07	1.93E-07	1.39E-08	3.54E-07
933	566045	4222611	1.44E-06	1.76E-06	9.29E-08	3.30E-06	7.65E-07	1.93E-06	9.29E-08	2.79E-06	1.89E-07	3.44E-07	3.04E-08	5.64E-07	1.47E-07	1.92E-07	1.39E-08	3.52E-07
934	566037.8	4222627	1.43E-06	1.74E-06	9.19E-08	3.26E-06	7.57E-07	1.91E-06	9.19E-08	2.76E-06	1.88E-07	3.41E-07	3.01E-08	5.58E-07	1.45E-07	1.90E-07	1.37E-08	3.49E-07
935	566030.7	4222643	1.4E-06	1.71E-06	9.00E-08	3.19E-06	7.41E-07	1.87E-06	9.00E-08	2.70E-06	1.84E-07	3.33E-07	2.94E-08	5.46E-07	1.42E-07	1.86E-07	1.34E-08	3.41E-07
936	566023.6	4222660	1.35E-06	1.65E-06	8.72E-08	3.10E-06	7.18E-07	1.81E-06	8.72E-08	2.62E-06	1.78E-07	3.23E-07	2.85E-08	5.30E-07	1.38E-07	1.80E-07	1.30E-08	3.31E-07
937	566016.5	4222676	1.32E-06	1.61E-06	8.50E-08	3.02E-06	7.00E-07	1.77E-06	8.50E-08	2.55E-06	1.73E-07	3.15E-07	2.78E-08	5.16E-07	1.34E-07	1.75E-07	1.27E-08	3.22E-07
938	566009.3	4222692	1.28E-06	1.56E-06	8.23E-08	2.92E-06	6.78E-07	1.71E-06	8.23E-08	2.47E-06	1.68E-07	3.05E-07	2.69E-08	5.00E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07
939	566002.2	4222708	1.25E-06	1.52E-06	8.02E-08	2.85E-06	6.61E-07	1.67E-06	8.02E-08	2.41E-06	1.64E-07	2.97E-07	2.62E-08	4.87E-07	1.27E-07	1.66E-07	1.20E-08	3.04E-07
940	565988	4222741	1.17E-06	1.43E-06	7.51E-08	2.67E-06	6.19E-07	1.56E-06	7.51E-08	2.26E-06	1.53E-07	2.78E-07	2.46E-08	4.56E-07	1.19E-07	1.55E-07	1.12E-08	2.85E-07
941	565980.8	4222757	1.12E-06	1.36E-06	7.18E-08	2.55E-06	5.91E-07	1.49E-06	7.18E-08	2.16E-06	1.47E-07	2.66E-07	2.35E-08	4.36E-07	1.13E-07	1.48E-07	1.07E-08	2.72E-07
942	565973.7	4222773	1.06E-06	1.3E-06	6.83E-08	2.43E-06	5.63E-07	1.42E-06	6.83E-08	2.05E-06	1.39E-07	2.53E-07	2.24E-08	4.15E-07	1.08E-07	1.41E-07	1.02E-08	2.59E-07
943	565966.6	4222790	1E-06	1.22E-06	6.44E-08	2.29E-06	5.31E-07	1.34E-06	6.44E-08	1.94E-06	1.32E-07	2.39E-07	2.11E-08	3.91E-07	1.02E-07	1.33E-07	9.62E-09	2.44E-07
944	565959.5	4222806	9.44E-07	1.15E-06	6.07E-08	2.16E-06	5.00E-07	1.26E-06	6.07E-08	1.82E-06	1.24E-07	2.25E-07	1.99E-08	3.69E-07	9.59E-08	1.25E-07	9.07E-09	2.30E-07
945	565952.3	4222822	8.9E-07	1.09E-06	5.73E-08	2.04E-06	4.72E-07	1.19E-06	5.73E-08	1.72E-06	1.17E-07	2.12E-07	1.88E-08	3.48E-07	9.05E-08	1.18E-07	8.55E-09	2.17E-07
946	565941.6	4222847	8.11E-07	9.91E-07	5.22E-08	1.85E-06	4.30E-07	1.09E-06	5.22E-08	1.57E-06	1.07E-07	1.94E-07	1.71E-08	3.17E-07	8.24E-08	1.08E-07	7.79E-09	1.98E-07
947	565934.5	4222863	7.65E-07	9.35E-07	4.93E-08	1.75E-06	4.06E-07	1.02E-06	4.93E-08	1.48E-06	1.01E-07	1.83E-07	1.61E-08	2.99E-07	7.78E-08	1.02E-07	7.35E-09	1.87E-07
948	565927.4	4222879	7.19E-07	8.78E-07	4.63E-08	1.64E-06	3.81E-07	9.63E-07	4.63E-08	1.39E-06	9.45E-08	1.72E-07	1.51E-08	2.81E-07	7.31E-08	9.56E-08	6.91E-09	1.76E-07
949	565920.3	4222895	6.7E-07	8.19E-07	4.31E-08	1.53E-06	3.55E-07	8.97E-07	4.31E-08	1.30E-06	8.80E-08	1.60E-07	1.41E-08	2.62E-07	6.81E-08	8.90E-08	6.44E-09	1.64E-07
950	565913.1	4222912	6.19E-07	7.56E-07	3.99E-08	1.42E-06	3.28E-07	8.29E-07	3.99E-08	1.20E-06	8.13E-08	1.48E-07	1.30E-08	2.42E-07	6.29E-08	8.23E-08	5.95E-09	1.51E-07
951	565901.3	4222923	5.8E-07	7.09E-07	3.73E-08	1.33E-06	3.08E-07	7.77E-07	3.73E-08	1.12E-06	7.62E-08	1.38E-07	1.22E-08	2.27E-07	5.90E-08	7.71E-08	5.57E-09	1.42E-07
952	565884.9	4222930	5.52E-07	6.74E-07	3.55E-08	1.26E-06	2.93E-07	7.39E-07	3.55E-08	1.07E-06	7.25E-08	1.32E-07	1.16E-08	2.16E-07	5.61E-08	7.33E-08	5.30E-09	1.35E-07
953	565868.4	4222936	5.24E-07	6.4E-07	3.37E-08	1.20E-06	2.78E-07	7.01E-07	3.37E-08	1.01E-06	6.88E-08	1.25E-07	1.10E-08	2.05E-07	5.32E-08	6.96E-08	5.03E-09	1.28E-07
954	565851.9	4222943	4.96E-07	6.05E-07	3.19E-08	1.13E-06	2.63E-07	6.64E-07	3.19E-08	9.58E-07	6.51E-08	1.18E-07	1.04E-08	1.94E-07	5.04E-08	6.58E-08	4.76E-09	1.21E-07
955	565835.4	4222949	4.7E-07	5.74E-07	3.02E-08	1.07E-06	2.49E-07	6.29E-07	3.02E-08	9.09E-07	6.17E-08	1.12E-07	9.90E-09	1.84E-07	4.78E-08	6.24E-08	4.52E-09	1.15E-07
956	565769.4	4222976	3.69E-07	4.5E-07	2.37E-08	8.43E-07	1.95E-07	4.94E-07	2.37E-08	7.13E-07	4.84E-08	8.80E-08	7.76E-09	1.44E-07	3.75E-08	4.90E-08	3.54E-09	9.00E-08
957	565752.9	4222982	3.46E-07	4.23E-07	2.23E-08	7.91E-07	1.83E-07	4.63E-07	2.23E-08	6.69E-07	4.54E-08	8.26E-08	7.29E-09	1.35E-07	3.52E-08	4.60E-08	3.32E-09	8.45E-08
958	565736.5	4222989	3.27E-07	3.99E-07	2.10E-08	7.47E-07	1.73E-07	4.38E-07	2.10E-08	6.32E-07	4.29E-08	7.80E-08	6.89E-09	1.28E-07	3.32E-08	4.34E-08	3.14E-09	7.98E-08
959	565720	4222995	3.09E-07	3.77E-07	1.99E-08	7.06E-07	1.64E-07	4.14E-07	1.99E-08	5.97E-07	4.06E-08	7.37E-08	6.51E-09	1.21E-07	3.14E-08	4.10E-08	2.97E-09	7.54E-08
960	565703.5	4223002	2.92E-07	3.57E-07	1.88E-08	6.69E-07	1.55E-07	3.92E-07	1.88E-08	5.65E-07	3.84E-08	6.98E-08	6.16E-09	1.14E-07	2.97E-08	3.89E-08	2.81E-09	7.14E-08
961	565687	4223009	2.81E-07	3.43E-07	1.81E-08	6.41E-07	1.49E-07	3.76E-07	1.81E-08	5.43E-07	3.69E-08	6.69E-08	5.91E-09	1.10E-07	2.85E-08	3.73E-08	2.70E-09	6.85E-08
962	566082.4	4222571	1.41E-06	1.72E-06	9.06E-08	3.22E-06	7.46E-07	1.88E-06	9.06E-08	2.72E-06	1.85E-07	3.36E-07	2.96E-08	5.50E-07	1.43E-07	1.87E-07	1.35E-08	3.44E-07
963	566075.2	4222588	1.4E-06	1.71E-06	9.01E-08	3.20E-06	7.42E-07	1.87E-06	9.01E-08	2.71E-06	1.84E-07	3.34E-07	2.95E-08	5.47E-07	1.42E-07	1.86E-07	1.34E-08	3.42E-07
964	566068	4222604	1.39E-06	1.7E-06	8.94E-08	3.17E-06	7.36E-07	1.86E-06	8.94E-08	2.68E-06	1.82E-07	3.31E-07	2.92E-08	5.43E-07	1.41E-07	1.84E-07	1.33E-08	3.39E-07
965	566060.8	4222621	1.38E-06	1.68E-06	8.85E-08	3.14E-06	7.29E-07	1.84E-06	8.85E-08	2.66E-06	1.81E-07	3.28E-07	2.90E-08	5.38E-07	1.40E-07	1.83E-07	1.32E-08	3.36E-07
966	566053.5	4222637	1.36E-06	1.66E-06	8.75E-08	3.11E-06	7.21E-07	1.82E-06	8.75E-08	2.63E-06	1.79E-07	3.24E-07	2.86E-08	5.32E-07	1.38E-07	1.81E-07	1.31E-08	3.32E-07
967	566046.3	4222654	1.31E-06	1.6E-06	8.45E-08	3.00E-06	6.96E-07	1.76E-06	8.45E-08	2.54E-06	1.72E-07	3.13E-07	2.77E-08	5.14E-07	1.33E-07	1.74E-07	1.26E-08	3.21E-07
968	566039.1	4222670	1.26E-06	1.54E-06	8.14E-08	2.89E-06	6.70E-07	1.69E-06	8.14E-08	2.44E-06	1.66E-07	3.02E-07	2.66E-08	4.94E-07	1.28E-07	1.68E-07	1.21E-08	3.08E-07
969	566031.9	4222687	1.23E-06	1.51E-06	7.94E-08	2.82E-06	6.54E-07	1.65E-06	7.94E-08	2.38E-06	1.62E-07	2.94E-07	2.60E-08	4.82E-07	1.25E-07	1.64E-07	1.19E-08	3.01E-07
970	566024.6	4222703	1.21E-06	1.47E-06	7.77E-08	2.76E-06	6.40E-07	1.62E-06	7.77E-08	2.33E-06	1.59E-07	2.88E-07	2.54E-08	4.72E-07	1.23E-07	1.60E-07	1.16E-08	2.95E-07
971	566017.4	4222720	1.18E-06	1.44E-06	7.61E-08	2.70E-06	6.27E-07	1.58E-06	7.61E-08	2.28E-06	1.55E-07	2.82E-07	2.49E-08	4.62E-07	1.20E-07	1.57E-07	1.14E-08	2.88E-07
972	566013.8	4222728	1.17E-06	1.42E-06	7.51E-08	2.67E-06	6.18E-07	1.56E-06	7.51E-08	2.25E-06	1.53E-07	2.78E-07	2.46E-08	4.56E-07	1.19E-07	1.55E-07	1.12E-08	2.85E-07
973	565999.3	4222761	1.08E-06	1.32E-06	6.93E-08	2.46E-06	5.71E-07	1.44E-06	6.93E-08	2.08E-06	1.41E-07	2.57E-07	2.27E-08	4.21E-07	1.09E-07	1.43E-07	1.03E-08	2.63E-07
974	565992.1	4222777	1.03E-06	1.25E-06	6.61E-08	2.35E-06	5.44E-07	1.37E-06	6.61E-08	1.98E-06	1.35E-07	2.45E-07	2.16E-08	4.01E-07	1.04E-07	1.36E-07	9.86E-09	2.51E-07
975	565984.9	4222794	9.75E-07	1.19E-06	6.28E-08	2.23E-06	5.17E-07	1.31E-06	6.28E-08	1.89E-06	1.28E-07	2.33E-07	2.05E-08	3.81E-07	9.91E-08	1.30E-07	9.37E-09	2.38E-07
976	565977.7	4222810	9.21E-07	1.12E-06	5.93E-08	2.11E-06	4.88E-07	1.23E-06	5.93E-08	1.78E-06	1.21E-07	2.20E-07	1.94E-08	3.60E-07	9.36E-08	1.22E-07	8.85E-09	2.25E-07
977	565970.4	4222827	8.73E-07	1.07E-06	5.62E-08	1.99E-06	4.63E-07	1.17E-06	5.62E-08	1.69E-06	1.15E-07	2.08E-07	1.84E-08	3.41E-07	8.87E-08	1.16E-07	8.38E-09	2.13E-07
978	565956	4222860	7.78E-07	9.5E-07	5.01E-08	1.78E-06	4.12E-07	1.04E-06	5.01E-08	1.50E-06	1.02E-07	1.86E-07	1.64E-08	3.04E-07	7.90E-08	1.03E-07	7.47E-09	1.90E-07
979	565948.8	4222876	7.32E-07	8.94E-07	4.71E-08	1.67E-06	3.88E-07	9.80E-07	4.71E-08	1.41E-06	9.61E-08	1.75E-07	1.54E-08	2.86E-07	7.44E-08	9.72E-08	7.03E-09	1.79E-07
980	565941.5	4222893	6.88E-07	8.41E-07	4.43E-08	1.57E-06	3.65E-07	9.21E-07	4.43E-08	1.33E-06	9.04E-08	1.64E-07	1.45E-08	2.69E-07	6.99E-08	9.14E-08	6.61E-09	1.68E-07
981	565934.3	4222909	6.41E-07	7.83E-07	4.13E-08	1.47E-06	3.40E-07	8.58E-07	4.13E-08	1.24E-06	8.42E-08	1.53E-07	1.35E-08	2.51E-07	6.51E-08	8.52E-08	6.16E-09	1.56E-07
982	565927.1	4222926	5.87E-07	7.17E-07	3.78E-08	1.34E-06	3.11E-07	7.86E-07	3.78E-08	1.13E-06	7.71E-08	1.40E-07	1.24E-08	2.29E-07	5.96E-08	7.80E-08	5.64E-09	1.43E-07
983	565915.1	4222937	5.48E-07	6.7E-07	3.53E-08	1.25E-06	2.91E-07	7.34E-07	3.53E-08	1.06E-06	7.20E-08	1.31E-07	1.15E-08	2.14E-07	5.57E-08	7.29E-08	5.27E-09	1.34E-07
984	565898.4	4222944	5.21E-07	6.37E-07	3.36E-08	1.19E-06	2.76E-07	6.98E-07	3.36E-08	1.01E-06	6.85E-08	1.24E-07	1.10E-08	2.04E-07	5.30E-08	6.93E-08	5.01E-09	1.27E-07
985	565890.1	4222947	5.08E-07	6.21E-07	3.27E-08	1.16E-06	2.70E-07	6.81E-07	3.27E-08	9.83E-07	6.68E-08	1.21E-07	1.07E-08	1.99E-07	5.17E-08	6.75E-08	4.88E-09	1.24E-07
986	565873.3	4222954	4.82E-07	5.89E-07	3.10E-08	1.10E-06	2.56E-07	6.46E-07	3.10E-08	9.33E-07	6.33E-08	1.15E-07	1.02E-08	1.89E-07	4.90E-08	6.41E-08	4.63E-09	1.18E-07
987	565865	4222957	4.69E-07	5.73E-07	3.02E-08	1.07E-06	2.49E-07	6.28E-07	3.02E-08	9.07E-07	6.16E-08	1.12E-07	9.88E-09	1.83E-07	4.77E-08	6.23E-08	4.51E-09	1.14E-07

988	565848.3	4222964	4.43E-07	5.41E-07	2.85E-08	1.01E-06	2.35E-07	5.93E-07	2.85E-08	8.56E-07	5.82E-08	1.06E-07	9.33E-09	1.73E-07	4.50E-08	5.88E-08	4.26E-09	1.08E-07
989	565839.9	4222967	4.3E-07	5.25E-07	2.77E-08	9.83E-07	2.28E-07	5.76E-07	2.77E-08	8.32E-07	5.65E-08	1.03E-07	9.06E-09	1.68E-07	4.37E-08	5.71E-08	4.13E-09	1.05E-07
990	565823.2	4222974	4.07E-07	4.97E-07	2.62E-08	9.29E-07	2.16E-07	5.44E-07	2.62E-08	7.86E-07	5.34E-08	9.70E-08	8.56E-09	1.59E-07	4.13E-08	5.40E-08	3.91E-09	9.93E-08
991	565814.8	4222977	3.97E-07	4.85E-07	2.56E-08	9.07E-07	2.10E-07	5.32E-07	2.56E-08	7.68E-07	5.21E-08	9.47E-08	8.36E-09	1.55E-07	4.03E-08	5.27E-08	3.81E-09	9.69E-08
992	565806.5	4222981	3.88E-07	4.73E-07	2.49E-08	8.86E-07	2.05E-07	5.19E-07	2.49E-08	7.49E-07	5.09E-08	9.25E-08	8.16E-09	1.52E-07	3.94E-08	5.15E-08	3.72E-09	9.46E-08
993	565781.4	4222991	3.56E-07	4.34E-07	2.29E-08	8.13E-07	1.88E-07	4.76E-07	2.29E-08	6.87E-07	4.67E-08	8.48E-08	7.49E-09	1.39E-07	3.61E-08	4.72E-08	3.42E-09	8.68E-08
994	565764.7	4222997	3.33E-07	4.07E-07	2.14E-08	7.61E-07	1.77E-07	4.46E-07	2.14E-08	6.44E-07	4.37E-08	7.95E-08	7.01E-09	1.30E-07	3.38E-08	4.42E-08	3.20E-09	8.13E-08
995	565756.3	4223001	3.24E-07	3.96E-07	2.09E-08	7.41E-07	1.72E-07	4.34E-07	2.09E-08	6.27E-07	4.26E-08	7.74E-08	6.83E-09	1.27E-07	3.30E-08	4.31E-08	3.12E-09	7.92E-08
996	565739.6	4223007	3.08E-07	3.77E-07	1.99E-08	7.05E-07	1.64E-07	4.13E-07	1.99E-08	5.96E-07	4.05E-08	7.36E-08	6.50E-09	1.21E-07	3.13E-08	4.10E-08	2.96E-09	7.53E-08
997	565731.2	4223011	3.01E-07	3.67E-07	1.94E-08	6.87E-07	1.59E-07	4.03E-07	1.94E-08	5.81E-07	3.95E-08	7.17E-08	6.33E-09	1.18E-07	3.06E-08	3.99E-08	2.89E-09	7.34E-08
998	565714.5	4223017	2.85E-07	3.48E-07	1.83E-08	6.51E-07	1.51E-07	3.81E-07	1.83E-08	5.51E-07	3.74E-08	6.79E-08	6.00E-09	1.11E-07	2.89E-08	3.78E-08	2.74E-09	6.95E-08
999	565706.2	4223021	2.78E-07	3.39E-07	1.79E-08	6.34E-07	1.47E-07	3.72E-07	1.79E-08	5.37E-07	3.64E-08	6.62E-08	5.84E-09	1.09E-07	2.82E-08	3.69E-08	2.67E-09	6.77E-08
1000	565689.4	4223027	2.66E-07	3.25E-07	1.72E-08	6.09E-07	1.41E-07	3.57E-07	1.72E-08	5.15E-07	3.50E-08	6.36E-08	5.61E-09	1.04E-07	2.71E-08	3.54E-08	2.56E-09	6.50E-08
1001	565681.1	4223031	2.62E-07	3.2E-07	1.68E-08	5.98E-07	1.39E-07	3.50E-07	1.68E-08	5.06E-07	3.44E-08	6.24E-08	5.51E-09	1.02E-07	2.66E-08	3.48E-08	2.51E-09	6.39E-08
1002	565555.7	4223081	2.2E-07	2.69E-07	1.42E-08	5.03E-07	1.17E-07	2.95E-07	1.42E-08	4.26E-07	2.89E-08	5.25E-08	4.64E-09	8.61E-08	2.24E-08	2.93E-08	2.12E-09	5.38E-08
1003	565539	4223087	2.15E-07	2.63E-07	1.39E-08	4.92E-07	1.14E-07	2.88E-07	1.39E-08	4.16E-07	2.83E-08	5.14E-08	4.54E-09	8.42E-08	2.19E-08	2.86E-08	2.07E-09	5.26E-08
1004	565530.6	4223091	2.13E-07	2.6E-07	1.37E-08	4.86E-07	1.13E-07	2.85E-07	1.37E-08	4.11E-07	2.79E-08	5.08E-08	4.48E-09	8.32E-08	2.16E-08	2.83E-08	2.04E-09	5.19E-08
1005	565552.5	4222461	1.44E-05	1.76E-05	9.29E-07	3.30E-05	7.65E-06	1.93E-05	9.29E-07	2.79E-05	1.90E-06	3.44E-06	3.04E-07	5.64E-06	1.47E-06	1.92E-06	1.39E-07	3.52E-06
1006	565552.2	4222451	1.55E-05	1.89E-05	9.95E-07	3.53E-05	8.19E-06	2.07E-05	9.95E-07	2.99E-05	2.03E-06	3.69E-06	3.26E-07	6.04E-06	1.57E-06	2.05E-06	1.49E-07	3.77E-06
1007	565562.3	4222461	1.34E-05	1.64E-05	8.65E-07	3.07E-05	7.13E-06	1.80E-05	8.65E-07	2.60E-05	1.77E-06	3.21E-06	2.83E-07	5.26E-06	1.37E-06	1.79E-06	1.29E-07	3.28E-06
1008	565562.1	4222451	1.43E-05	1.75E-05	9.22E-07	3.28E-05	7.60E-06	1.92E-05	9.22E-07	2.77E-05	1.88E-06	3.42E-06	3.02E-07	5.60E-06	1.46E-06	1.90E-06	1.38E-07	3.50E-06
1009	565572.1	4222461	1.26E-05	1.53E-05	8.08E-07	2.87E-05	6.66E-06	1.68E-05	8.08E-07	2.43E-05	1.65E-06	3.00E-06	2.64E-07	4.91E-06	1.28E-06	1.67E-06	1.21E-07	3.06E-06
1010	565571.9	4222451	1.33E-05	1.63E-05	8.58E-07	3.05E-05	7.07E-06	1.79E-05	8.58E-07	2.58E-05	1.75E-06	3.18E-06	2.81E-07	5.21E-06	1.35E-06	1.77E-06	1.28E-07	3.25E-06
1011	565582	4222460	1.18E-05	1.44E-05	7.57E-07	2.69E-05	6.24E-06	1.57E-05	7.57E-07	2.27E-05	1.54E-06	2.81E-06	2.48E-07	4.60E-06	1.20E-06	1.56E-06	1.13E-07	2.87E-06
1012	565581.7	4222451	1.24E-05	1.52E-05	8.00E-07	2.84E-05	6.59E-06	1.66E-05	8.00E-07	2.40E-05	1.63E-06	2.97E-06	2.62E-07	4.86E-06	1.26E-06	1.65E-06	1.19E-07	3.03E-06
1013	565611.5	4222460	9.77E-06	1.19E-05	6.29E-07	2.23E-05	5.18E-06	1.31E-05	6.29E-07	1.89E-05	1.28E-06	2.33E-06	2.06E-07	3.82E-06	9.93E-07	1.30E-06	9.39E-08	2.39E-06
1014	565611.2	4222450	1.02E-05	1.25E-05	6.57E-07	2.33E-05	5.41E-06	1.37E-05	6.57E-07	1.97E-05	1.34E-06	2.44E-06	2.15E-07	3.99E-06	1.04E-06	1.36E-06	9.81E-08	2.49E-06
1015	565621.3	4222459	9.22E-06	1.13E-05	5.93E-07	2.11E-05	4.89E-06	1.23E-05	5.93E-07	1.78E-05	1.21E-06	2.20E-06	1.94E-07	3.60E-06	9.37E-07	1.22E-06	8.85E-08	2.25E-06
1016	565621.1	4222450	9.59E-06	1.17E-05	6.17E-07	2.19E-05	5.08E-06	1.28E-05	6.17E-07	1.85E-05	1.26E-06	2.29E-06	2.02E-07	3.75E-06	9.75E-07	1.27E-06	9.21E-08	2.34E-06
1017	565631.2	4222459	8.69E-06	1.06E-05	5.59E-07	1.99E-05	4.61E-06	1.16E-05	5.59E-07	1.68E-05	1.14E-06	2.07E-06	1.83E-07	3.40E-06	8.83E-07	1.15E-06	8.35E-08	2.12E-06
1018	565630.9	4222449	9.01E-06	1.1E-05	5.80E-07	2.06E-05	4.78E-06	1.21E-05	5.80E-07	1.74E-05	1.18E-06	2.15E-06	1.90E-07	3.52E-06	9.16E-07	1.20E-06	8.66E-08	2.20E-06
1019	565640.8	4222449	8.49E-06	1.04E-05	5.47E-07	1.94E-05	4.50E-06	1.14E-05	5.47E-07	1.64E-05	1.12E-06	2.03E-06	1.79E-07	3.32E-06	8.63E-07	1.13E-06	8.16E-08	2.07E-06
1020	565650.6	4222449	8.01E-06	9.78E-06	5.16E-07	1.83E-05	4.25E-06	1.07E-05	5.16E-07	1.55E-05	1.05E-06	1.91E-06	1.69E-07	3.13E-06	8.14E-07	1.06E-06	7.70E-08	1.95E-06
1021	565660.7	4222458	7.35E-06	8.98E-06	4.73E-07	1.68E-05	3.90E-06	9.84E-06	4.73E-07	1.42E-05	9.66E-07	1.75E-06	1.55E-07	2.87E-06	7.47E-07	9.77E-07	7.06E-08	1.79E-06
1022	565670.5	4222458	6.97E-06	8.51E-06	4.48E-07	1.59E-05	3.69E-06	9.33E-06	4.48E-07	1.35E-05	9.15E-07	1.66E-06	1.47E-07	2.72E-06	7.08E-07	9.25E-07	6.69E-08	1.70E-06
1023	565670.3	4222448	7.15E-06	8.73E-06	4.60E-07	1.63E-05	3.79E-06	9.57E-06	4.60E-07	1.38E-05	9.38E-07	1.70E-06	1.51E-07	2.79E-06	7.26E-07	9.49E-07	6.87E-08	1.74E-06
1024	565680.6	4222468	6.43E-06	7.85E-06	4.14E-07	1.47E-05	3.41E-06	8.61E-06	4.14E-07	1.24E-05	8.44E-07	1.53E-06	1.35E-07	2.51E-06	6.53E-07	8.54E-07	6.18E-08	1.57E-06
1025	565680.3	4222458	6.61E-06	8.07E-06	4.25E-07	1.51E-05	3.50E-06	8.84E-06	4.25E-07	1.28E-05	8.67E-07	1.58E-06	1.39E-07	2.58E-06	6.71E-07	8.78E-07	6.35E-08	1.61E-06
1026	565680.1	4222448	6.76E-06	8.26E-06	4.35E-07	1.55E-05	3.58E-06	9.05E-06	4.35E-07	1.31E-05	8.88E-07	1.61E-06	1.42E-07	2.64E-06	6.87E-07	8.98E-07	6.50E-08	1.65E-06
1027	565690.4	4222467	6.12E-06	7.47E-06	3.94E-07	1.40E-05	3.24E-06	8.19E-06	3.94E-07	1.18E-05	8.03E-07	1.46E-06	1.29E-07	2.39E-06	6.21E-07	8.12E-07	5.88E-08	1.49E-06
1028	565690.2	4222458	6.27E-06	7.66E-06	4.04E-07	1.43E-05	3.32E-06	8.39E-06	4.04E-07	1.21E-05	8.23E-07	1.50E-06	1.32E-07	2.45E-06	6.37E-07	8.33E-07	6.02E-08	1.53E-06
1029	565689.9	4222448	6.4E-06	7.82E-06	4.12E-07	1.46E-05	3.40E-06	8.57E-06	4.12E-07	1.24E-05	8.41E-07	1.53E-06	1.35E-07	2.50E-06	6.51E-07	8.51E-07	6.15E-08	1.56E-06
1030	565700.2	4222467	5.82E-06	7.11E-06	3.75E-07	1.33E-05	3.09E-06	7.79E-06	3.75E-07	1.13E-05	7.64E-07	1.39E-06	1.23E-07	2.28E-06	5.92E-07	7.73E-07	5.59E-08	1.42E-06
1031	565700	4222457	5.96E-06	7.27E-06	3.83E-07	1.36E-05	3.16E-06	7.97E-06	3.83E-07	1.15E-05	7.82E-07	1.42E-06	1.25E-07	2.33E-06	6.05E-07	7.91E-07	5.72E-08	1.45E-06
1032	565699.8	4222448	6.07E-06	7.42E-06	3.91E-07	1.39E-05	3.22E-06	8.13E-06	3.91E-07	1.17E-05	7.97E-07	1.45E-06	1.28E-07	2.37E-06	6.17E-07	8.07E-07	5.83E-08	1.48E-06
1033	565710.1	4222467	5.55E-06	6.78E-06	3.57E-07	1.27E-05	2.94E-06	7.43E-06	3.57E-07	1.07E-05	7.29E-07	1.32E-06	1.17E-07	2.17E-06	5.64E-07	7.37E-07	5.33E-08	1.35E-06
1034	565709.8	4222457	5.67E-06	6.92E-06	3.65E-07	1.30E-05	3.00E-06	7.59E-06	3.65E-07	1.10E-05	7.44E-07	1.35E-06	1.19E-07	2.22E-06	5.76E-07	7.53E-07	5.44E-08	1.38E-06
1035	565709.6	4222447	5.77E-06	7.04E-06	3.71E-07	1.32E-05	3.06E-06	7.72E-06	3.71E-07	1.11E-05	7.57E-07	1.38E-06	1.21E-07	2.25E-06	5.86E-07	7.66E-07	5.54E-08	1.41E-06
1036	565719.9	4222467	5.29E-06	6.46E-06	3.41E-07	1.21E-05	2.81E-06	7.09E-06	3.41E-07	1.02E-05	6.95E-07	1.26E-06	1.11E-07	2.07E-06	5.38E-07	7.03E-07	5.09E-08	1.29E-06
1037	565719.7	4222457	5.4E-06	6.59E-06	3.47E-07	1.23E-05	2.86E-06	7.23E-06	3.47E-07	1.04E-05	7.09E-07	1.29E-06	1.14E-07	2.11E-06	5.48E-07	7.17E-07	5.18E-08	1.32E-06
1038	565719.4	4222447	5.48E-06	6.7E-06	3.53E-07	1.25E-05	2.91E-06	7.34E-06	3.53E-07	1.06E-05	7.20E-07	1.31E-06	1.15E-07	2.14E-06	5.57E-07	7.28E-07	5.27E-08	1.34E-06
1039	565729.8	4222467	5.05E-06	6.17E-06	3.25E-07	1.16E-05	2.68E-06	6.77E-06	3.25E-07	9.77E-06	6.64E-07	1.21E-06	1.06E-07	1.98E-06	5.14E-07	6.71E-07	4.86E-08	1.23E-06
1040	565729.5	4222457	5.14E-06	6.28E-06	3.31E-07	1.18E-05	2.73E-06	6.89E-06	3.31E-07	9.95E-06	6.76E-07	1.23E-06	1.08E-07	2.01E-06	5.23E-07	6.83E-07	4.94E-08	1.26E-06
1041	565729.3	4222447	5.22E-06	6.38E-06	3.36E-07	1.19E-05	2.77E-06	6.99E-06	3.36E-07	1.01E-05	6.86E-07	1.25E-06	1.10E-07	2.04E-06	5.31E-07	6.93E-07	5.02E-08	1.27E-06
1042	565739.6	4222466	4.83E-06	5.9E-06	3.11E-07	1.10E-05	2.56E-06	6.47E-06	3.11E-07	9.34E-06	6.34E-07	1.15E-06	1.02E-07	1.89E-06	4.91E-07	6.42E-07	4.64E-08	1.18E-06
1043	565739.4	4222457	4.91E-06	6E-06	3.16E-07	1.12E-05	2.60E-06	6.57E-06	3.16E-07	9.49E-06	6.45E-07	1.17E-06	1.03E-07	1.92E-06	4.99E-07	6.52E-07	4.72E-08	1.20E-06
1044	565739.1	4222447	4.97E-06	6.08E-06	3.20E-07	1.14E-05	2.64E-06	6.66E-06	3.20E-07	9.62E-06	6.53E-07	1.19E-06	1.05E-07	1.94E-06	5.06E-07	6.61E-07	4.78E-08	1.21E-06
1045	565749.2	4222456	4.69E-06	5.73E-06	3.02E-07	1.07E-05	2.49E-06	6.28E-06	3.02E-07	9.06E-06	6.16E-07	1.12E-06	9.87E-08	1.83E-06	4.76E-07	6.23E-07	4.50E-08	1.14E-06
1046	565748.9	4222447	4.74E-06	5.8E-06	3.05E-07	1.08E-05	2.52E-06	6.35E-06	3.05E-07	9.17E-06	6.23E-07	1.13E-06	9.99E-08	1.86E-06	4.82E-07	6.30E-07	4.56E-08	1.16E-06
1047	565758.8	4222446	4.53E-06	5.53E-06	2.92E-07	1.04E-05	2.40E-06	6.07E-06	2.92E-07	8.76E-06	5.95E-07	1.08E-06	9.54E-08	1.77E-06	4.60E-07	6.02E-07	4.35E-08	1.11E-06
1048	565769.1	4222466	4.23E-06	5.17E-06	2.72E-07	9.67E-06	2.24E-06	5.67E-06	2.72E-07	8.18E-06	5.56E-07	1.01E-06	8.91E-08	1.65E-06	4.30E-07	5.62E-07	4.07E-08	1.03E-06
1049	565778.9	4222465	4.05E-06	4.95E-06	2.61E-07	9.26E-06	2.15E-06	5.43E-06	2.61E-07	7.84E-06	5.32E-07	9.67E-07	8.54E-08	1.58E-06	4.12E-07	5.38E-07	3.89E-08	9.89E-07
1050	565778.7	4222456	4.1E-06	5.01E-06	2.64E-07	9.37E-06	2.17E-06	5.49E-06	2.64E-07	7.93E-06	5.38E-07	9.78E-07	8.63E-08	1.60E-06	4.17E-07	5.45E-07	3.94E-08	1.00E-06
1051	565788.8	4222465	3.99E-06	4.87E-06	2.57E-07	9.12E-06	2.12E-06	5.34E-06	2.57E-07	7.72E-06	5.24E-07	9.52E-07	8.41E-08	1.56E-06	4.06E-07	5.30E-07	3.83E-08	9.74E-07
1052	565788.5	4222455	3.93E-06	4.79E-06	2.53E-07	8.97E-06	2.08E-06	5.26E-06	2.53E-07	7.59E-06	5.16E-07	9.37E-07	8.27E-08	1.53E-06	3.99E-07	5.22E-07	3.77E-08	9.58E-07
1053	565798.6	4222465	3.83E-06	4.68E-06	2.47E-07	8.76E-06	2.03E-06	5.13E-06	2.47E-07	7.41E-06	5.03E-07	9.14E-07	8.07E-08	1.50E-06	3.89E-07	5.09E-07	3.68E-08	9.35E-07
1054	565798.4	4222455	3.87E-06	4.72E-06	2.49E-07	8.84E-06	2.05E-06	5.18E-06	2.49E-07	7.48E-06	5.08E-07	9.23E-07	8.14E-08	1.51E-06	3.93E-07	5.14E-07	3.72E-08	9.44E-07
1055	565798.1	4222445	3.9E-06	4.76E-06	2.51E-07	8.90E-06	2.07E-06	5.22E-06	2.51E-07	7.53E-06	5.12E-07	9.30E-07	8.20E-08	1.52E-06	3.96E-07	5.18E-07	3.74E-08	9.51E-07
1056	565808.4	4222465	3.67E-06	4.49E-06	2.37E-07	8.40E-06	1.95E-06	4.92E-06	2.37E-07	7.10E-06	4.83E-07	8.77E-07	7.74E-08	1.44E-06	3.73E-07	4.88E-07	3.53E-08	8.97E-07
1057	565808.2	4222455	3.71E-06	4.53E-06	2.39E-07	8.48E-06	1.97E-06	4.97E-06	2.39E-07	7.17E-06	4.87E-07	8.85E-07	7.81E-08	1.45E-06	3.77E-07	4.93E-07	3.56E-08	9.05E-07
1058	565808	4222445	3.73E-06	4.56E-06	2.40E-07	8.54E-06	1.98E-06	5.00E-06	2.40E-07	7.22E-06	4.91E-07	8.91E-07	7.87E-08	1.46E-06	3.80E-07	4.96E-07	3.59E-08	9.12E-07
1059	565828.4	4222464	3.38E-06	4.12E-06	2.17E-07	7.72E-06	1.79E-06	4.52E-06	2.17E-07	6.53E-06	4.43E-07	8.06E-07	7.11E-08	1.32E-06	3.43E-07	4.49E-07	3.24E-08	8.24E-07
1060	565828.2	4222454	3.41E-06	4.16E-06	2.19E-07	7.79E-06	1.81E-06	4.56E-06	2.19E-07	6.59E-06	4.48E-07	8.13E-07	7.18E-08	1.33E-06	3.46E-07	4.53E-07	3.27E-08	8.32E-07
1061	565828	4222445	3.43E-06	4.19E-06	2.21E-07	7.84E-06	1.82E-06	4.59E-06	2.21E-07	6.63E-06	4.51E-07	8.19E-07	7.23E-08	1.34E-06	3.49E-07	4.56E-07	3.30E-08	8.37E-07
1062	565848.4	4222464	3.11E-06	3.79E-06	2.00E-07	7.10E-06	1.65E-06	4.16E-06	2.00E-07	6.01E-06	4.08E-07	7.41E-07	6.54E-08	1.21E-06	3.16E-07	4.13E-07	2.99E-08	7.58E-07
1063	565848.2	4222454	3.13E-06	3.83E-06	2.02E-07	7.16E-06	1.66E-06	4.19E-06	2.02E-07	6.06E-06	4.11E-07	7.47E-07	6.60E-08	1.22E-06	3.18E-07	4.16E-07	3.01E-08	7.64E-07
1064	565848	4222444	3.15E-06	3.85E-06	2.03E-07	7.20E-06	1.67E-06	4.22E-06	2.03E-07	6.09E-06	4.14E-07	7.52E-07	6.64E-08	1.23E-06	3.20E-07	4.19E-07	3.03E-08	7.69E-07
1065	565868.4	4222472	2.86E-06	3.5E-06	1.84E-07	6.55E-06	1.52E-06	3.83E-06	1.84E-07	5.54E-06	3.76E-07	6.83E-07	6.03E-08	1.12E-06	2.91E-07	3.80E-07	2.75E-08	6.99E-07
1066	565868.4	4222463	2.88E-06	3.52E-06	1.86E-07	6.59E-06	1.53E-06	3.86E-06	1.86E-07	5.57E-06	3.79E-07	6.88E-07	6.07E-08	1.13E-06	2.93E-07	3.83E-07	2.77E-08	7.04E-07
1067	565868.2	4222453	2.9E-06	3.54E-06	1.87E-07	6.63E-06	1.54E-06	3.89E-06	1.87E-07	5.61E-06	3.81E-07	6.92E-07	6.11E-08	1.13E-06	2.95E-07	3.86E-07	2.79E-08	7.08E-07
1068	565867.9	4222444	2.92E-06	3.56E-06	1.88E-07	6.67E-06	1.55E-06	3.91E-06	1.88E-07	5.64E-06	3.83E-07	6.96E-07	6.14E-08	1.14E-06	2.96E-07	3.88E-07	2.80E-08	7.12E-07
1069	565888.4	4222472	2.67E-06	3.26E-06	1.72E-07	6.11E-06	1.42E-06	3.58E-06	1.72E-07	5.17E-06	3.51E-07	6.37E-07	5.63E-08	1.04E-06	2.72E-07	3.55E-07	2.57E-08	6.52E-07
1070	565888.4	4222463	2.69E-06	3.28E-06	1.73E-07	6.14E-06	1.42E-06	3.60E-06	1.73E-07	5.20E-06	3.53E-07	6.41E-07	5.66E-08	1.05E-06	2.73E-07	3.57E-07	2.58E-08	6.56E-07
1071	565888.2	4222453	2.7E-06	3.3E-06	1.74E-07	6.18E-06	1.43E-06	3.62E-06	1.74E-07	5.23E-06	3.55E-07	6.45E-07	5.69E-08	1.06E-06	2.75E-07	3.59E-07	2.60E-08	6.60E-07
1072	565887.9	4222443	2.71E-06	3.31E-06	1.75E-07	6.20E-06	1.44E-06	3.63E-06	1.75E-07	5.25E-06	3.56E-07	6.47E-07	5.72E-08	1.06E-06	2.76E-07	3.60E-07	2.61E-08	6.62E-07
1073	565908.4	4222469	2.5E-06	3.06E-06	1.61E-07	5.72E-06	1.33E-06	3.35E-06	1.61E-07	4.84E-06	3.29E-07	5.97E-07	5.27E-08	9.79E-07	2.54E-07	3.33E-07	2.41E-08	6.11E-07
1074	565908.2	4222452	2.52E-06	3.08E-06	1.62E-07	5.76E-06	1.34E-06	3.38E-06	1.62E-07	4.88E-06	3.31E-07	6.02E-07	5.31E-08	9.86E-07	2.56E-07	3.35E-07	2.42E-08	6.16E-07
1075	565907.9	4222443	2.53E-06	3.09E-06	1.63E-07	5.78E-06	1.34E-06	3.38E-06	1.63E-07	4.89E-06	3.32E-07	6.03E-07	5.32E-08	9.88E-07	2.57E-07	3.36E-07	2.43E-08	6.17E-07
1076	565928.4	4222468	2.34E-06	2.86E-06	1.51E-07	5.35E-06	1.24E-06	3.13E-06	1.51E-07	4.53E-06	3.07E-07	5.58E-07	4.93E-08	9.15E-07	2.38E-07	3.11E-07	2.25E-08	5.71E-07
1077	565928.2	4222452	2.35E-06	2.87E-06	1.51E-07	5.38E-06	1.25E-06	3.15E-06	1.51E-07	4.55E-06	3.09E-07	5.62E-07	4.96E-08	9.20E-07	2.39E-07	3.13E-07	2.26E-08	5.74E-07
1078	565927.9	4222442	2.36E-06	2.88E-06	1.52E-07	5.39E-06	1.25E-06	3.16E-06	1.52E-07	4.56E-06	3.10E-07	5.63E-07	4.97E-08	9.22E-07	2.40E-07	3.13E-07	2.27E-08	5.76E-07
1079	565948.4	4222468	2.19E-06	2.68E-06	1.41E-07	5.01E-06	1.16E-06	2.94E-06	1.41E-07	4.24E-06	2.88E-07	5.23E-07	4.62E-08	8.57E-07	2.23E-07	2.91E-07	2.11E-08	5.35E-07
1080	565948.2	4222451	2.2E-06	2.69E-06	1.42E-07	5.03E-06	1.17E-06	2.95E-06	1.42E-07	4.26E-06	2.89E-07	5.25E-07	4.64E-08	8.61E-07	2.24E-07	2.92E-07	2.11E-08	5.37E-07
1081	565947.9	4222442	2.21E-06	2.7E-06	1.42E-07	5.05E-06	1.17E-06	2.96E-06	1.42E-07	4.27E-06	2.90E-07	5.27E-07	4.65E-08	8.63E-07	2.24E-07	2.93E-07	2.12E-08	5.39E-07
1082	565968.4	4222468	2.06E-06	2.52E-06	1.33E-07	4.72E-06	1.09E-06	2.76E-06	1.33E-07	3.99E-06	2.71E-07	4.92E-07	4.35E-08	8.07E-07	2.10E-07	2.74E-07	1.98E-08	5.04E-07
1083	565968.2	4222451	2.07E-06	2.53E-06	1.33E-07	4.73E-06	1.10E-06	2.77E-06	1.33E-07	4.00E-06	2.72E-07	4.94E-07	4.36E-08	8.09E-07	2.10E-07	2.75E-07	1.99E-08	5.05E-07
1084	565967.9	4222441	2.08E-06	2.53E-06	1.34E-07	4.74E-06	1.10E-06	2.78E-06	1.34E-07	4.01E-06	2.73E-07	4.95E-07	4.37E-08	8.11E-07	2.11E-07	2.76E-07	1.99E-08	5.07E-07
1085	565988.4	4222468	1.95E-06	2.38E-06	1.25E-07	4.45E-06	1.03E-06	2.61E-06	1.25E-07	3.76E-06	2.56E-07	4.64E-07	4.10E-08	7.61E-07	1.98E-07	2.58E-07	1.87E-08	4.75E-07
1086	565988.1	4222450	1.95E-06	2.38E-06	1.26E-07	4.46E-06	1.03E-06	2.61E-06	1.26E-07	3.77E-06	2.56E-07	4.65E-07	4.11E-08	7.63E-07	1.98E-07	2.59E-07	1.87E-08	4.76E-07
1087	565987.9	4222441	1.96E-06	2.39E-06	1.26E-07	4.47E-06	1.04E-06	2.62E-06	1.26E-07	3.78E-06	2.57E-07	4.66E-07	4.12E-08	7.64E-07	1.99E-07	2.60E-07	1.88E-08	4.77E-07
1088	566008.4	4222468	1.84E-06	2.25E-06	1.18E-07	4.20E-06	9.75E-07	2.46E-06	1.18E-07	3.56E-06	2.42E-07	4.39E-07	3.87E-08	7.19E-07	1.87E-07	2.44E-07	1.77E-08	4.49E-07
1089	566008.1	4222450	1.84E-06	2.25E-06	1.19E-07	4.21E-06	9.77E-07	2.47E-06	1.19E-07	3.56E-06	2.42E-07	4.40E-07	3.88E-08	7.21E-07	1.87E-07	2.45E-07	1.77E-08	4.50E-07
1090	566007.9	4222440	1.85E-06	2.25E-06	1.19E-07	4.22E-06	9.79E-07	2.47E-06	1.19E-07	3.57E-06	2.42E-07	4.40E-07	3.89E-08	7.22E-07	1.88E-07	2.45E-07	1.77E-08	4.51E-07
1091	566028.4	4222468	1.74E-06	2.13E-06	1.12E-07	3.99E-06	9.25E-07	2.34E-06	1.12E-07	3.37E-06	2.29E-07	4.16E-07	3.67E-08	6.82E-07	1.77E-07	2.32E-07	1.68E-08	4.26E-07
1092	566028.1	4222449	1.75E-06	2.14E-06	1.13E-07	4.00E-06	9.27E-07	2.34E-06	1.13E-07	3.38E-06	2.30E-07	4.17E-07	3.68E-08	6.84E-07	1.78E-07	2.32E-07	1.68E-08	4.27E-07
1093	566027.9	4222440	1.75E-06	2.14E-06	1.13E-07	4.00E-06	9.27E-07	2.34E-06	1.13E-07	3.38E-06	2.30E-07	4.17E-07	3.68E-08	6.84E-07	1.78E-07	2.32E-07	1.68E-08	4.27E-07
1094	566048.4	4222467	1.65E-06	2.02E-06	1.06E-07	3.77E-06	8.76E-07	2.21E-06	1.06E-07	3.19E-06	2.17E-07	3.94E-07	3.48E-08	6.46E-07	1.68E-07	2.19E-07	1.59E-08	4.03E-07
1095	566048.4	4222459	1.65E-06	2.02E-06	1.06E-07	3.78E-06	8.76E-07	2.21E-06	1.06E-07	3.20E-06	2.17E-07	3.94E-07	3.48E-08	6.46E-07	1.68E-07	2.20E-07	1.59E-08	4.03E-07
1096	566048.1	4222449	1.65E-06	2.02E-06	1.06E-07	3.78E-06	8.77E-07	2.21E-06	1.06E-07	3.20E-06	2.17E-07	3.95E-07	3.48E-08	6.46E-07	1.68E-07	2.20E-07	1.59E-08	4.04E-07
1097	566047.9	4222439	1.65E-06	2.02E-06	1.06E-07	3.78E-06	8.76E-07	2.21E-06	1.06E-07	3.20E-06	2.17E-07	3.94E-07	3.48E-08	6.46E-07	1.68E-07	2.20E-07	1.59E-08	4.03E-07

1098	566068.4	4222467	1.56E-06	1.91E-06	1.01E-07	3.57E-06	8.29E-07	2.09E-06	1.01E-07	3.02E-06	2.05E-07	3.73E-07	3.29E-08	6.11E-07	1.59E-07	2.08E-07	1.50E-08	3.82E-07
1099	566068.4	4222476	1.56E-06	1.91E-06	1.01E-07	3.57E-06	8.29E-07	2.09E-06	1.01E-07	3.02E-06	2.05E-07	3.73E-07	3.29E-08	6.11E-07	1.59E-07	2.08E-07	1.50E-08	3.82E-07
1100	566068.4	4222458	1.56E-06	1.91E-06	1.01E-07	3.57E-06	8.29E-07	2.09E-06	1.01E-07	3.02E-06	2.05E-07	3.73E-07	3.29E-08	6.11E-07	1.59E-07	2.08E-07	1.50E-08	3.82E-07
1101	566068.1	4222448	1.56E-06	1.91E-06	1.01E-07	3.57E-06	8.29E-07	2.09E-06	1.01E-07	3.02E-06	2.05E-07	3.73E-07	3.29E-08	6.11E-07	1.59E-07	2.08E-07	1.50E-08	3.81E-07
1102	566067.9	4222439	1.56E-06	1.91E-06	1.01E-07	3.57E-06	8.28E-07	2.09E-06	1.01E-07	3.02E-06	2.05E-07	3.73E-07	3.29E-08	6.11E-07	1.59E-07	2.07E-07	1.50E-08	3.81E-07
1103	565551.8	4222441	1.66E-05	2.03E-05	1.07E-06	3.80E-05	8.82E-06	2.23E-05	1.07E-06	3.22E-05	2.18E-06	3.97E-06	3.50E-07	6.50E-06	1.69E-06	2.21E-06	1.60E-07	4.06E-06
1104	565561.6	4222440	1.54E-05	1.88E-05	9.88E-07	3.51E-05	8.14E-06	2.06E-05	9.88E-07	2.97E-05	2.02E-06	3.66E-06	3.23E-07	6.00E-06	1.56E-06	2.04E-06	1.48E-07	3.75E-06
1105	565561.2	4222431	1.63E-05	1.99E-05	1.05E-06	3.72E-05	8.63E-06	2.18E-05	1.05E-06	3.15E-05	2.14E-06	3.88E-06	3.43E-07	6.36E-06	1.65E-06	2.16E-06	1.56E-07	3.97E-06
1106	565560.7	4222421	1.72E-05	2.1E-05	1.11E-06	3.93E-05	9.11E-06	2.30E-05	1.11E-06	3.32E-05	2.26E-06	4.10E-06	3.62E-07	6.72E-06	1.75E-06	2.28E-06	1.65E-07	4.19E-06
1107	565571.4	4222440	1.42E-05	1.74E-05	9.15E-07	3.25E-05	7.54E-06	1.90E-05	9.15E-07	2.75E-05	1.87E-06	3.39E-06	3.00E-07	5.56E-06	1.45E-06	1.89E-06	1.37E-07	3.47E-06
1108	565571	4222430	1.5E-05	1.83E-05	9.65E-07	3.43E-05	7.95E-06	2.01E-05	9.65E-07	2.90E-05	1.97E-06	3.58E-06	3.16E-07	5.86E-06	1.52E-06	1.99E-06	1.44E-07	3.66E-06
1109	565570.6	4222421	1.57E-05	1.92E-05	1.01E-06	3.59E-05	8.34E-06	2.11E-05	1.01E-06	3.04E-05	2.07E-06	3.75E-06	3.31E-07	6.15E-06	1.60E-06	2.09E-06	1.51E-07	3.84E-06
1110	565581.3	4222439	1.32E-05	1.61E-05	8.50E-07	3.02E-05	7.00E-06	1.77E-05	8.50E-07	2.55E-05	1.73E-06	3.15E-06	2.78E-07	5.16E-06	1.34E-06	1.75E-06	1.27E-07	3.22E-06
1111	565580.8	4222430	1.39E-05	1.69E-05	8.91E-07	3.17E-05	7.34E-06	1.85E-05	8.91E-07	2.68E-05	1.82E-06	3.30E-06	2.92E-07	5.42E-06	1.41E-06	1.84E-06	1.33E-07	3.38E-06
1112	565580.4	4222420	1.45E-05	1.77E-05	9.31E-07	3.30E-05	7.67E-06	1.94E-05	9.31E-07	2.80E-05	1.90E-06	3.45E-06	3.04E-07	5.65E-06	1.47E-06	1.92E-06	1.39E-07	3.53E-06
1113	565591.1	4222439	1.23E-05	1.5E-05	7.91E-07	2.81E-05	6.52E-06	1.65E-05	7.91E-07	2.38E-05	1.61E-06	2.93E-06	2.59E-07	4.81E-06	1.25E-06	1.63E-06	1.18E-07	3.00E-06
1114	565590.6	4222429	1.28E-05	1.57E-05	8.26E-07	2.93E-05	6.80E-06	1.72E-05	8.26E-07	2.48E-05	1.69E-06	3.06E-06	2.70E-07	5.02E-06	1.30E-06	1.70E-06	1.23E-07	3.13E-06
1115	565590.2	4222420	1.33E-05	1.63E-05	8.58E-07	3.05E-05	7.07E-06	1.79E-05	8.58E-07	2.58E-05	1.75E-06	3.18E-06	2.81E-07	5.21E-06	1.36E-06	1.77E-06	1.28E-07	3.26E-06
1116	565610.7	4222438	1.07E-05	1.31E-05	6.90E-07	2.45E-05	5.68E-06	1.43E-05	6.90E-07	2.07E-05	1.41E-06	2.56E-06	2.26E-07	4.19E-06	1.09E-06	1.42E-06	1.03E-07	2.62E-06
1117	565610.3	4222429	1.11E-05	1.36E-05	7.14E-07	2.54E-05	5.89E-06	1.49E-05	7.14E-07	2.15E-05	1.46E-06	2.65E-06	2.34E-07	4.34E-06	1.13E-06	1.47E-06	1.07E-07	2.71E-06
1118	565609.9	4222419	1.15E-05	1.4E-05	7.37E-07	2.62E-05	6.07E-06	1.53E-05	7.37E-07	2.21E-05	1.50E-06	2.73E-06	2.41E-07	4.48E-06	1.16E-06	1.52E-06	1.10E-07	2.79E-06
1119	565620.6	4222438	1E-05	1.23E-05	6.46E-07	2.29E-05	5.32E-06	1.34E-05	6.46E-07	1.94E-05	1.32E-06	2.39E-06	2.11E-07	3.92E-06	1.02E-06	1.33E-06	9.64E-08	2.45E-06
1120	565620.1	4222428	1.04E-05	1.27E-05	6.67E-07	2.37E-05	5.49E-06	1.39E-05	6.67E-07	2.00E-05	1.36E-06	2.47E-06	2.18E-07	4.05E-06	1.05E-06	1.38E-06	9.95E-08	2.53E-06
1121	565619.7	4222419	1.07E-05	1.3E-05	6.86E-07	2.43E-05	5.65E-06	1.43E-05	6.86E-07	2.06E-05	1.40E-06	2.54E-06	2.24E-07	4.16E-06	1.08E-06	1.41E-06	1.02E-07	2.60E-06
1122	565630.4	4222437	9.4E-06	1.15E-05	6.05E-07	2.15E-05	4.98E-06	1.26E-05	6.05E-07	1.82E-05	1.23E-06	2.24E-06	1.98E-07	3.67E-06	9.55E-07	1.25E-06	9.03E-08	2.29E-06
1123	565630	4222428	9.67E-06	1.18E-05	6.23E-07	2.21E-05	5.13E-06	1.29E-05	6.23E-07	1.87E-05	1.27E-06	2.31E-06	2.04E-07	3.78E-06	9.83E-07	1.28E-06	9.29E-08	2.36E-06
1124	565629.5	4222418	9.92E-06	1.21E-05	6.38E-07	2.27E-05	5.26E-06	1.33E-05	6.38E-07	1.92E-05	1.30E-06	2.37E-06	2.09E-07	3.88E-06	1.01E-06	1.32E-06	9.53E-08	2.42E-06
1125	565640.2	4222437	8.83E-06	1.08E-05	5.68E-07	2.02E-05	4.68E-06	1.18E-05	5.68E-07	1.71E-05	1.16E-06	2.11E-06	1.86E-07	3.45E-06	8.97E-07	1.17E-06	8.48E-08	2.15E-06
1126	565639.8	4222427	9.06E-06	1.11E-05	5.83E-07	2.07E-05	4.80E-06	1.21E-05	5.83E-07	1.75E-05	1.19E-06	2.16E-06	1.91E-07	3.54E-06	9.21E-07	1.20E-06	8.70E-08	2.21E-06
1127	565639.4	4222418	9.26E-06	1.13E-05	5.96E-07	2.12E-05	4.91E-06	1.24E-05	5.96E-07	1.79E-05	1.22E-06	2.21E-06	1.95E-07	3.62E-06	9.41E-07	1.23E-06	8.90E-08	2.26E-06
1128	565650.1	4222436	8.3E-06	1.01E-05	5.34E-07	1.90E-05	4.40E-06	1.11E-05	5.34E-07	1.61E-05	1.09E-06	1.98E-06	1.75E-07	3.25E-06	8.44E-07	1.10E-06	7.98E-08	2.03E-06
1129	565649.6	4222427	8.5E-06	1.04E-05	5.47E-07	1.94E-05	4.51E-06	1.14E-05	5.47E-07	1.64E-05	1.12E-06	2.03E-06	1.79E-07	3.32E-06	8.64E-07	1.13E-06	8.16E-08	2.07E-06
1130	565649.2	4222417	8.67E-06	1.06E-05	5.58E-07	1.98E-05	4.60E-06	1.16E-05	5.58E-07	1.68E-05	1.14E-06	2.07E-06	1.83E-07	3.39E-06	8.81E-07	1.15E-06	8.33E-08	2.12E-06
1131	565659.9	4222436	7.81E-06	9.54E-06	5.03E-07	1.79E-05	4.14E-06	1.05E-05	5.03E-07	1.51E-05	1.03E-06	1.86E-06	1.65E-07	3.06E-06	7.94E-07	1.04E-06	7.51E-08	1.91E-06
1132	565659.4	4222426	7.98E-06	9.75E-06	5.14E-07	1.82E-05	4.23E-06	1.07E-05	5.14E-07	1.54E-05	1.05E-06	1.90E-06	1.68E-07	3.12E-06	8.11E-07	1.06E-06	7.67E-08	1.95E-06
1133	565659	4222417	8.13E-06	9.92E-06	5.23E-07	1.86E-05	4.31E-06	1.09E-05	5.23E-07	1.57E-05	1.07E-06	1.94E-06	1.71E-07	3.18E-06	8.26E-07	1.08E-06	7.81E-08	1.98E-06
1134	565669.7	4222435	7.37E-06	9E-06	4.74E-07	1.68E-05	3.91E-06	9.86E-06	4.74E-07	1.42E-05	9.68E-07	1.76E-06	1.55E-07	2.88E-06	7.49E-07	9.79E-07	7.08E-08	1.80E-06
1135	565669.3	4222426	7.51E-06	9.17E-06	4.83E-07	1.72E-05	3.98E-06	1.01E-05	4.83E-07	1.45E-05	9.86E-07	1.79E-06	1.58E-07	2.94E-06	7.63E-07	9.97E-07	7.21E-08	1.83E-06
1136	565668.8	4222416	7.63E-06	9.32E-06	4.91E-07	1.74E-05	4.05E-06	1.02E-05	4.91E-07	1.48E-05	1.00E-06	1.82E-06	1.61E-07	2.98E-06	7.75E-07	1.01E-06	7.33E-08	1.86E-06
1137	565679.1	4222425	7.07E-06	8.64E-06	4.55E-07	1.62E-05	3.75E-06	9.47E-06	4.55E-07	1.37E-05	9.29E-07	1.69E-06	1.49E-07	2.77E-06	7.19E-07	9.40E-07	6.80E-08	1.73E-06
1138	565678.7	4222416	7.18E-06	8.76E-06	4.62E-07	1.64E-05	3.80E-06	9.61E-06	4.62E-07	1.39E-05	9.42E-07	1.71E-06	1.51E-07	2.81E-06	7.29E-07	9.53E-07	6.90E-08	1.75E-06
1139	565689.4	4222435	6.57E-06	8.03E-06	4.23E-07	1.50E-05	3.48E-06	8.80E-06	4.23E-07	1.27E-05	8.63E-07	1.57E-06	1.38E-07	2.57E-06	6.68E-07	8.73E-07	6.31E-08	1.60E-06
1140	565688.5	4222415	6.76E-06	8.26E-06	4.35E-07	1.55E-05	3.58E-06	9.05E-06	4.35E-07	1.31E-05	8.88E-07	1.61E-06	1.42E-07	2.64E-06	6.87E-07	8.98E-07	6.49E-08	1.65E-06
1141	565699.2	4222434	6.22E-06	7.59E-06	4.00E-07	1.42E-05	3.30E-06	8.32E-06	4.00E-07	1.20E-05	8.17E-07	1.48E-06	1.31E-07	2.43E-06	6.32E-07	8.26E-07	5.97E-08	1.52E-06
1142	565698.8	4222425	6.3E-06	7.7E-06	4.06E-07	1.44E-05	3.34E-06	8.44E-06	4.06E-07	1.22E-05	8.28E-07	1.50E-06	1.33E-07	2.46E-06	6.41E-07	8.37E-07	6.06E-08	1.54E-06
1143	565709	4222434	5.89E-06	7.2E-06	3.79E-07	1.35E-05	3.12E-06	7.89E-06	3.79E-07	1.14E-05	7.74E-07	1.41E-06	1.24E-07	2.30E-06	5.99E-07	7.83E-07	5.66E-08	1.44E-06
1144	565708.6	4222424	5.96E-06	7.29E-06	3.84E-07	1.36E-05	3.16E-06	7.99E-06	3.84E-07	1.15E-05	7.83E-07	1.42E-06	1.26E-07	2.33E-06	6.06E-07	7.92E-07	5.73E-08	1.46E-06
1145	565708.2	4222415	6.03E-06	7.36E-06	3.88E-07	1.38E-05	3.20E-06	8.07E-06	3.88E-07	1.17E-05	7.91E-07	1.44E-06	1.27E-07	2.36E-06	6.12E-07	8.01E-07	5.79E-08	1.47E-06
1146	565718.9	4222433	5.59E-06	6.83E-06	3.60E-07	1.28E-05	2.97E-06	7.49E-06	3.60E-07	1.08E-05	7.35E-07	1.33E-06	1.18E-07	2.19E-06	5.68E-07	7.43E-07	5.37E-08	1.37E-06
1147	565718.4	4222424	5.66E-06	6.91E-06	3.64E-07	1.29E-05	3.00E-06	7.57E-06	3.64E-07	1.09E-05	7.43E-07	1.35E-06	1.19E-07	2.21E-06	5.75E-07	7.51E-07	5.43E-08	1.38E-06
1148	565718	4222414	5.71E-06	6.97E-06	3.67E-07	1.30E-05	3.03E-06	7.64E-06	3.67E-07	1.10E-05	7.49E-07	1.36E-06	1.20E-07	2.23E-06	5.80E-07	7.58E-07	5.48E-08	1.39E-06
1149	565728.7	4222433	5.32E-06	6.49E-06	3.42E-07	1.22E-05	2.82E-06	7.12E-06	3.42E-07	1.03E-05	6.98E-07	1.27E-06	1.12E-07	2.08E-06	5.40E-07	7.06E-07	5.11E-08	1.30E-06
1150	565728.2	4222423	5.37E-06	6.56E-06	3.46E-07	1.23E-05	2.85E-06	7.19E-06	3.46E-07	1.04E-05	7.05E-07	1.28E-06	1.13E-07	2.10E-06	5.46E-07	7.13E-07	5.16E-08	1.31E-06
1151	565727.8	4222414	5.41E-06	6.61E-06	3.48E-07	1.24E-05	2.87E-06	7.24E-06	3.48E-07	1.05E-05	7.11E-07	1.29E-06	1.14E-07	2.12E-06	5.50E-07	7.19E-07	5.20E-08	1.32E-06
1152	565738.5	4222432	5.06E-06	6.18E-06	3.26E-07	1.16E-05	2.68E-06	6.77E-06	3.26E-07	9.78E-06	6.64E-07	1.21E-06	1.07E-07	1.98E-06	5.14E-07	6.72E-07	4.86E-08	1.23E-06
1153	565738.1	4222423	5.1E-06	6.23E-06	3.28E-07	1.17E-05	2.70E-06	6.83E-06	3.28E-07	9.86E-06	6.70E-07	1.22E-06	1.07E-07	1.99E-06	5.18E-07	6.78E-07	4.90E-08	1.25E-06
1154	565737.6	4222413	5.14E-06	6.27E-06	3.31E-07	1.17E-05	2.72E-06	6.88E-06	3.31E-07	9.93E-06	6.75E-07	1.23E-06	1.08E-07	2.01E-06	5.22E-07	6.82E-07	4.94E-08	1.25E-06
1155	565748.3	4222432	4.82E-06	5.88E-06	3.10E-07	1.10E-05	2.55E-06	6.45E-06	3.10E-07	9.31E-06	6.33E-07	1.15E-06	1.01E-07	1.88E-06	4.90E-07	6.40E-07	4.63E-08	1.18E-06
1156	565747.9	4222422	4.85E-06	5.93E-06	3.12E-07	1.11E-05	2.57E-06	6.50E-06	3.12E-07	9.39E-06	6.38E-07	1.16E-06	1.02E-07	1.90E-06	4.93E-07	6.45E-07	4.66E-08	1.18E-06
1157	565747.5	4222413	4.88E-06	5.96E-06	3.14E-07	1.12E-05	2.59E-06	6.54E-06	3.14E-07	9.44E-06	6.41E-07	1.16E-06	1.03E-07	1.91E-06	4.96E-07	6.49E-07	4.69E-08	1.19E-06
1158	565758.2	4222431	4.59E-06	5.61E-06	2.96E-07	1.05E-05	2.44E-06	6.15E-06	2.96E-07	8.88E-06	6.03E-07	1.10E-06	9.67E-08	1.80E-06	4.67E-07	6.10E-07	4.41E-08	1.12E-06
1159	565757.7	4222422	4.62E-06	5.65E-06	2.98E-07	1.06E-05	2.45E-06	6.19E-06	2.98E-07	8.94E-06	6.07E-07	1.10E-06	9.74E-08	1.81E-06	4.70E-07	6.14E-07	4.44E-08	1.13E-06
1160	565757.3	4222412	4.65E-06	5.67E-06	2.99E-07	1.06E-05	2.46E-06	6.22E-06	2.99E-07	8.98E-06	6.10E-07	1.11E-06	9.79E-08	1.82E-06	4.72E-07	6.17E-07	4.46E-08	1.13E-06
1161	565768	4222431	4.38E-06	5.35E-06	2.82E-07	1.00E-05	2.32E-06	5.87E-06	2.82E-07	8.47E-06	5.76E-07	1.05E-06	9.23E-08	1.71E-06	4.45E-07	5.82E-07	4.21E-08	1.07E-06
1162	565767.6	4222421	4.41E-06	5.38E-06	2.84E-07	1.01E-05	2.34E-06	5.90E-06	2.84E-07	8.52E-06	5.79E-07	1.05E-06	9.29E-08	1.72E-06	4.48E-07	5.86E-07	4.24E-08	1.08E-06
1163	565767.1	4222412	4.43E-06	5.41E-06	2.85E-07	1.01E-05	2.35E-06	5.93E-06	2.85E-07	8.56E-06	5.81E-07	1.06E-06	9.32E-08	1.73E-06	4.50E-07	5.88E-07	4.25E-08	1.08E-06
1164	565777.8	4222431	4.19E-06	5.11E-06	2.69E-07	9.57E-06	2.22E-06	5.60E-06	2.69E-07	8.09E-06	5.50E-07	9.98E-07	8.81E-08	1.64E-06	4.25E-07	5.56E-07	4.02E-08	1.02E-06
1165	565777.4	4222421	4.21E-06	5.14E-06	2.71E-07	9.61E-06	2.23E-06	5.63E-06	2.71E-07	8.13E-06	5.52E-07	1.00E-06	8.86E-08	1.64E-06	4.27E-07	5.59E-07	4.04E-08	1.03E-06
1166	565777	4222411	4.22E-06	5.15E-06	2.72E-07	9.65E-06	2.24E-06	5.65E-06	2.72E-07	8.16E-06	5.54E-07	1.01E-06	8.89E-08	1.65E-06	4.29E-07	5.61E-07	4.06E-08	1.03E-06
1167	565787.2	4222421	4.02E-06	4.91E-06	2.59E-07	9.18E-06	2.13E-06	5.38E-06	2.59E-07	7.77E-06	5.28E-07	9.59E-07	8.46E-08	1.57E-06	4.08E-07	5.34E-07	3.86E-08	9.81E-07
1168	565786.8	4222411	4.03E-06	4.92E-06	2.59E-07	9.21E-06	2.14E-06	5.39E-06	2.59E-07	7.79E-06	5.29E-07	9.61E-07	8.49E-08	1.58E-06	4.09E-07	5.35E-07	3.87E-08	9.83E-07
1169	565796.6	4222411	3.95E-06	4.83E-06	2.54E-07	9.04E-06	2.10E-06	5.29E-06	2.54E-07	7.64E-06	5.19E-07	9.43E-07	8.33E-08	1.55E-06	4.02E-07	5.25E-07	3.80E-08	9.65E-07
1170	565807.3	4222429	3.77E-06	4.6E-06	2.42E-07	8.61E-06	2.00E-06	5.04E-06	2.42E-07	7.28E-06	4.95E-07	8.99E-07	7.93E-08	1.47E-06	3.83E-07	5.00E-07	3.62E-08	9.19E-07
1171	565827.3	4222428	3.46E-06	4.23E-06	2.23E-07	7.91E-06	1.83E-06	4.63E-06	2.23E-07	6.69E-06	4.54E-07	8.25E-07	7.29E-08	1.35E-06	3.52E-07	4.60E-07	3.32E-08	8.44E-07
1172	565826.9	4222419	3.47E-06	4.23E-06	2.23E-07	7.93E-06	1.84E-06	4.64E-06	2.23E-07	6.70E-06	4.55E-07	8.27E-07	7.30E-08	1.36E-06	3.52E-07	4.61E-07	3.33E-08	8.46E-07
1173	565826.4	4222409	3.47E-06	4.24E-06	2.23E-07	7.93E-06	1.84E-06	4.65E-06	2.23E-07	6.71E-06	4.56E-07	8.28E-07	7.31E-08	1.36E-06	3.53E-07	4.61E-07	3.33E-08	8.47E-07
1174	565847.3	4222427	3.18E-06	3.88E-06	2.04E-07	7.26E-06	1.68E-06	4.25E-06	2.04E-07	6.14E-06	4.17E-07	7.58E-07	6.69E-08	1.24E-06	3.23E-07	4.22E-07	3.05E-08	7.75E-07
1175	565846.8	4222418	3.19E-06	3.89E-06	2.05E-07	7.28E-06	1.69E-06	4.26E-06	2.05E-07	6.16E-06	4.18E-07	7.60E-07	6.71E-08	1.25E-06	3.24E-07	4.23E-07	3.06E-08	7.77E-07
1176	565846.4	4222408	3.19E-06	3.89E-06	2.05E-07	7.29E-06	1.69E-06	4.27E-06	2.05E-07	6.16E-06	4.19E-07	7.61E-07	6.72E-08	1.25E-06	3.24E-07	4.24E-07	3.06E-08	7.78E-07
1177	565867.2	4222427	2.94E-06	3.59E-06	1.89E-07	6.71E-06	1.56E-06	3.93E-06	1.89E-07	5.68E-06	3.86E-07	7.01E-07	6.19E-08	1.15E-06	2.98E-07	3.90E-07	2.82E-08	7.17E-07
1178	565866.8	4222417	2.94E-06	3.59E-06	1.89E-07	6.72E-06	1.56E-06	3.94E-06	1.89E-07	5.69E-06	3.86E-07	7.02E-07	6.20E-08	1.15E-06	2.99E-07	3.91E-07	2.83E-08	7.18E-07
1179	565866.4	4222407	2.94E-06	3.59E-06	1.89E-07	6.73E-06	1.56E-06	3.94E-06	1.89E-07	5.69E-06	3.86E-07	7.02E-07	6.20E-08	1.15E-06	2.99E-07	3.91E-07	2.83E-08	7.18E-07
1180	565887.2	4222426	2.73E-06	3.33E-06	1.76E-07	6.24E-06	1.45E-06	3.65E-06	1.76E-07	5.27E-06	3.58E-07	6.51E-07	5.75E-08	1.07E-06	2.77E-07	3.62E-07	2.62E-08	6.66E-07
1181	565886.8	4222416	2.73E-06	3.33E-06	1.76E-07	6.24E-06	1.45E-06	3.65E-06	1.76E-07	5.28E-06	3.58E-07	6.51E-07	5.75E-08	1.07E-06	2.77E-07	3.62E-07	2.62E-08	6.66E-07
1182	565886.4	4222406	2.73E-06	3.33E-06	1.75E-07	6.23E-06	1.45E-06	3.65E-06	1.75E-07	5.27E-06	3.58E-07	6.50E-07	5.74E-08	1.07E-06	2.77E-07	3.62E-07	2.62E-08	6.65E-07
1183	565907.2	4222425	2.53E-06	3.09E-06	1.63E-07	5.79E-06	1.34E-06	3.39E-06	1.63E-07	4.90E-06	3.33E-07	6.04E-07	5.34E-08	9.90E-07	2.57E-07	3.37E-07	2.43E-08	6.18E-07
1184	565906.8	4222415	2.54E-06	3.1E-06	1.63E-07	5.80E-06	1.34E-06	3.40E-06	1.63E-07	4.90E-06	3.33E-07	6.05E-07	5.34E-08	9.92E-07	2.58E-07	3.37E-07	2.44E-08	6.19E-07
1185	565906.3	4222406	2.54E-06	3.1E-06	1.63E-07	5.80E-06	1.34E-06	3.40E-06	1.63E-07	4.90E-06	3.33E-07	6.05E-07	5.34E-08	9.92E-07	2.58E-07	3.37E-07	2.44E-08	6.19E-07
1186	565927.2	4222424	2.37E-06	2.89E-06	1.52E-07	5.41E-06	1.25E-06	3.17E-06	1.52E-07	4.57E-06	3.11E-07	5.64E-07	4.98E-08	9.25E-07	2.40E-07	3.14E-07	2.27E-08	5.77E-07
1187	565926.8	4222414	2.37E-06	2.89E-06	1.52E-07	5.41E-06	1.26E-06	3.17E-06	1.52E-07	4.58E-06	3.11E-07	5.65E-07	4.99E-08	9.26E-07	2.41E-07	3.15E-07	2.28E-08	5.78E-07
1188	565926.3	4222405	2.37E-06	2.89E-06	1.52E-07	5.41E-06	1.26E-06	3.17E-06	1.52E-07	4.58E-06	3.11E-07	5.65E-07	4.99E-08	9.26E-07	2.41E-07	3.15E-07	2.28E-08	5.78E-07
1189	565947.6	4222432	2.21E-06	2.7E-06	1.42E-07	5.06E-06	1.17E-06	2.96E-06	1.42E-07	4.28E-06	2.91E-07	5.28E-07	4.66E-08	8.65E-07	2.25E-07	2.94E-07	2.13E-08	5.40E-07
1190	565947.2	4222423	2.22E-06	2.71E-06	1.43E-07	5.07E-06	1.18E-06	2.97E-06	1.43E-07	4.29E-06	2.91E-07	5.29E-07	4.67E-08	8.67E-07	2.25E-07	2.94E-07	2.13E-08	5.41E-07
1191	565946.7	4222413	2.22E-06	2.71E-06	1.43E-07	5.07E-06	1.18E-06	2.97E-06	1.43E-07	4.29E-06	2.91E-07	5.29E-07	4.67E-08	8.67E-07	2.25E-07	2.95E-07	2.13E-08	5.41E-07
1192	565946.3	4222404	2.22E-06	2.71E-06	1.43E-07	5.07E-06	1.18E-06	2.97E-06	1.43E-07	4.29E-06	2.91E-07	5.29E-07	4.67E-08	8.67E-07	2.25E-07	2.95E-07	2.13E-08	5.41E-07
1193	565967.6	4222432	2.08E-06	2.54E-06	1.34E-07	4.75E-06	1.10E-06	2.78E-06	1.34E-07	4.02E-06	2.73E-07	4.96E-07	4.38E-08	8.13E-07	2.11E-07	2.76E-07	2.00E-08	5.08E-07
1194	565967.1	4222422	2.08E-06	2.54E-06	1.34E-07	4.76E-06	1.10E-06	2.79E-06	1.34E-07	4.02E-06	2.73E-07	4.97E-07	4.38E-08	8.14E-07	2.12E-07	2.76E-07	2.00E-08	5.08E-07
1195	565966.7	4222412	2.08E-06	2.54E-06	1.34E-07	4.75E-06	1.10E-06	2.78E-06	1.34E-07	4.02E-06	2.73E-07	4.96E-07	4.38E-08	8.13E-07	2.11E-07	2.76E-07	2.00E-08	5.08E-07
1196	565966.3	4222403	2.08E-06	2.54E-06	1.34E-07	4.75E-06	1.10E-06	2.78E-06	1.34E-07	4.01E-06	2.73E-07	4.95E-07	4.37E-08	8.12E-07	2.11E-07	2.76E-07	2.00E-08	5.07E-07
1197	565987.6	4222431	1.96E-06	2.39E-06	1.26E-07	4.48E-06	1.04E-06	2.62E-06	1.26E-07	3.79E-06	2.57E-07	4.67E-07	4.12E-08	7.66E-07	1.99E-07	2.60E-07	1.88E-08	4.78E-07
1198	565987.1	4222421	1.96E-06	2.39E-06	1.26E-07	4.48E-06	1.04E-06	2.62E-06	1.26E-07	3.79E-06	2.57E-07	4.67E-07	4.13E-08	7.66E-07	1.99E-07	2.60E-07	1.88E-08	4.78E-07
1199	565986.7	4222412	1.96E-06	2.39E-06	1.26E-07	4.47E-06	1.04E-06	2.62E-06	1.26E-07	3.78E-06	2.57E-07	4.67E-07	4.12E-08	7.65E-07	1.99E-07	2.60E-07	1.88E-08	4.77E-07
1200	565986.3	4222402	1.95E-06	2.38E-06	1.26E-07	4.46E-06	1.03E-06	2.61E-06	1.26E-07	3.77E-06	2.56E-07	4.66E-07	4.11E-08	7.63E-07	1.98E-07	2.59E-07	1.88E-08	4.76E-07
1201	566007.5	4222430	1.85E-06	2.26E-06	1.19E-07	4.22E-06	9.80E-07	2.47E-06	1.19E-07	3.57E-06	2.43E-07	4.41E-07	3.89E-08	7.23E-07	1.88E-07	2.46E-07	1.78E-08	4.51E-07
1202	566007.1	4222420	1.85E-06	2.26E-06	1.19E-07	4.22E-06	9.79E-07	2.47E-06	1.19E-07	3.57E-06	2.43E-07	4.41E-07	3.89E-08	7.22E-07	1.88E-07	2.45E-07	1.78E-08	4.51E-07
1203	566006.7	4222411	1.84E-06	2.25E-06	1.19E-07	4.22E-06	9.78E-07	2.47E-06	1.19E-07	3.57E-06	2.42E-07	4.40E-07	3.88E-08	7.21E-07	1.87E-07	2.45E-07	1.77E-08	4.50E-07
1204	566006.2	4222401	1.84E-06	2.25E-06	1.18E-07	4.21E-06	9.76E-07	2.46E-06	1.18E-07	3.56E-06	2.42E-07	4.39E-07	3.88E-08	7.20E-07	1.87E-07	2.44E-07	1.77E-08	4.49E-07
1205	566027.5	4222429	1.75E-06	2.13E-06	1.13E-07	4.00E-06	9.27E-07	2.34E-06	1.13E-07	3.38E-06	2.30E-07	4.17E-07	3.68E-08	6.83E-07	1.78E-07	2.32E-07	1.68E-08	4.27E-07
1206	566027.1	4222419	1.74E-06	2.13E-06	1.12E-07	3.99E-06	9.25E-07	2.34E-06	1.12E-07	3.37E-06	2.29E-07	4.16E-07	3.67E-08	6.82E-07	1.77E-07	2.32E-07	1.68E-08	4.26E-07
1207	566026.7	4222410	1.74E-06	2.12E-06	1.12E-07	3.98E-06	9.22E-07	2.33E-06	1.12E-07	3.36E-06	2.28E-07	4.15E-07	3.66E-08	6.80E-07	1.77E-07	2.31E-07	1.67E-08	4.25E-07

1208	566026.2	4222400	1.73E-06	2.12E-06	1.12E-07	3.96E-06	9.19E-07	2.32E-06	1.12E-07	3.35E-06	2.28E-07	4.13E-07	3.65E-08	6.78E-07	1.76E-07	2.30E-07	1.67E-08	4.23E-07
1209	566047.5	4222428	1.65E-06	2.02E-06	1.06E-07	3.77E-06	8.75E-07	2.21E-06	1.06E-07	3.19E-06	2.17E-07	3.94E-07	3.48E-08	6.46E-07	1.68E-07	2.19E-07	1.59E-08	4.03E-07
1210	566047.1	4222418	1.65E-06	2.01E-06	1.06E-07	3.77E-06	8.74E-07	2.21E-06	1.06E-07	3.19E-06	2.16E-07	3.93E-07	3.47E-08	6.44E-07	1.67E-07	2.19E-07	1.58E-08	4.02E-07
1211	566046.6	4222409	1.64E-06	2.01E-06	1.06E-07	3.76E-06	8.71E-07	2.20E-06	1.06E-07	3.18E-06	2.16E-07	3.92E-07	3.46E-08	6.43E-07	1.67E-07	2.18E-07	1.58E-08	4.01E-07
1212	566046.2	4222399	1.64E-06	2E-06	1.05E-07	3.74E-06	8.68E-07	2.19E-06	1.05E-07	3.17E-06	2.15E-07	3.91E-07	3.45E-08	6.40E-07	1.66E-07	2.18E-07	1.57E-08	4.00E-07
1213	566067.5	4222427	1.56E-06	1.91E-06	1.00E-07	3.57E-06	8.27E-07	2.09E-06	1.00E-07	3.02E-06	2.05E-07	3.72E-07	3.29E-08	6.10E-07	1.59E-07	2.07E-07	1.50E-08	3.81E-07
1214	566067	4222417	1.56E-06	1.9E-06	1.00E-07	3.56E-06	8.26E-07	2.09E-06	1.00E-07	3.01E-06	2.05E-07	3.72E-07	3.28E-08	6.09E-07	1.58E-07	2.07E-07	1.50E-08	3.80E-07
1215	565560.4	4222408	1.82E-05	2.23E-05	1.17E-06	4.17E-05	9.67E-06	2.44E-05	1.17E-06	3.53E-05	2.40E-06	4.35E-06	3.84E-07	7.13E-06	1.85E-06	2.42E-06	1.75E-07	4.45E-06
1216	565570.3	4222408	1.66E-05	2.02E-05	1.07E-06	3.79E-05	8.78E-06	2.22E-05	1.07E-06	3.20E-05	2.18E-06	3.95E-06	3.49E-07	6.48E-06	1.68E-06	2.20E-06	1.59E-07	4.04E-06
1217	565580.1	4222408	1.51E-05	1.85E-05	9.74E-07	3.46E-05	8.02E-06	2.03E-05	9.74E-07	2.92E-05	1.99E-06	3.61E-06	3.19E-07	5.91E-06	1.54E-06	2.01E-06	1.45E-07	3.69E-06
1218	565589.9	4222408	1.39E-05	1.69E-05	8.93E-07	3.17E-05	7.35E-06	1.86E-05	8.93E-07	2.68E-05	1.82E-06	3.31E-06	2.92E-07	5.42E-06	1.41E-06	1.84E-06	1.33E-07	3.39E-06
1219	565619.5	4222407	1.09E-05	1.33E-05	7.03E-07	2.50E-05	5.79E-06	1.46E-05	7.03E-07	2.11E-05	1.44E-06	2.61E-06	2.30E-07	4.27E-06	1.11E-06	1.45E-06	1.05E-07	2.67E-06
1220	565629.3	4222407	1.01E-05	1.24E-05	6.52E-07	2.32E-05	5.37E-06	1.36E-05	6.52E-07	1.96E-05	1.33E-06	2.42E-06	2.13E-07	3.96E-06	1.03E-06	1.35E-06	9.74E-08	2.47E-06
1221	565639.1	4222407	9.44E-06	1.15E-05	6.08E-07	2.16E-05	5.00E-06	1.26E-05	6.08E-07	1.83E-05	1.24E-06	2.25E-06	1.99E-07	3.69E-06	9.59E-07	1.25E-06	9.07E-08	2.30E-06
1222	565649	4222406	8.81E-06	1.08E-05	5.67E-07	2.01E-05	4.67E-06	1.18E-05	5.67E-07	1.70E-05	1.16E-06	2.10E-06	1.86E-07	3.44E-06	8.95E-07	1.17E-06	8.47E-08	2.15E-06
1223	565658.8	4222406	8.24E-06	1.01E-05	5.30E-07	1.88E-05	4.37E-06	1.10E-05	5.30E-07	1.59E-05	1.08E-06	1.97E-06	1.74E-07	3.22E-06	8.37E-07	1.09E-06	7.92E-08	2.01E-06
1224	565668.6	4222406	7.72E-06	9.43E-06	4.97E-07	1.77E-05	4.10E-06	1.03E-05	4.97E-07	1.49E-05	1.01E-06	1.84E-06	1.63E-07	3.02E-06	7.85E-07	1.03E-06	7.42E-08	1.89E-06
1225	565678.5	4222406	7.25E-06	8.86E-06	4.67E-07	1.66E-05	3.84E-06	9.71E-06	4.67E-07	1.40E-05	9.52E-07	1.73E-06	1.53E-07	2.84E-06	7.37E-07	9.63E-07	6.97E-08	1.77E-06
1226	565688.3	4222405	6.82E-06	8.33E-06	4.39E-07	1.56E-05	3.62E-06	9.13E-06	4.39E-07	1.32E-05	8.96E-07	1.63E-06	1.44E-07	2.67E-06	6.93E-07	9.06E-07	6.55E-08	1.66E-06
1227	565698.1	4222405	6.42E-06	7.85E-06	4.13E-07	1.47E-05	3.41E-06	8.60E-06	4.13E-07	1.24E-05	8.44E-07	1.53E-06	1.35E-07	2.51E-06	6.53E-07	8.53E-07	6.17E-08	1.57E-06
1228	565717.8	4222405	5.74E-06	7E-06	3.69E-07	1.31E-05	3.04E-06	7.68E-06	3.69E-07	1.11E-05	7.53E-07	1.37E-06	1.21E-07	2.24E-06	5.83E-07	7.62E-07	5.51E-08	1.40E-06
1229	565727.7	4222405	5.43E-06	6.64E-06	3.50E-07	1.24E-05	2.88E-06	7.27E-06	3.50E-07	1.05E-05	7.13E-07	1.30E-06	1.14E-07	2.12E-06	5.52E-07	7.22E-07	5.22E-08	1.33E-06
1230	565737.6	4222400	5.15E-06	6.29E-06	3.32E-07	1.18E-05	2.73E-06	6.90E-06	3.32E-07	9.96E-06	6.77E-07	1.23E-06	1.09E-07	2.01E-06	5.24E-07	6.85E-07	4.95E-08	1.26E-06
1231	565747.4	4222400	4.89E-06	5.97E-06	3.15E-07	1.12E-05	2.59E-06	6.55E-06	3.15E-07	9.46E-06	6.42E-07	1.17E-06	1.03E-07	1.91E-06	4.97E-07	6.50E-07	4.70E-08	1.19E-06
1232	565757.2	4222400	4.65E-06	5.68E-06	2.99E-07	1.06E-05	2.47E-06	6.23E-06	2.99E-07	8.99E-06	6.11E-07	1.11E-06	9.79E-08	1.82E-06	4.73E-07	6.18E-07	4.47E-08	1.13E-06
1233	565767.1	4222400	4.43E-06	5.41E-06	2.85E-07	1.01E-05	2.35E-06	5.93E-06	2.85E-07	8.56E-06	5.81E-07	1.06E-06	9.32E-08	1.73E-06	4.50E-07	5.88E-07	4.25E-08	1.08E-06
1234	565776.9	4222400	4.22E-06	5.15E-06	2.72E-07	9.64E-06	2.24E-06	5.65E-06	2.72E-07	8.16E-06	5.54E-07	1.01E-06	8.88E-08	1.65E-06	4.29E-07	5.60E-07	4.05E-08	1.03E-06
1235	565786.7	4222400	4.02E-06	4.92E-06	2.59E-07	9.20E-06	2.13E-06	5.39E-06	2.59E-07	7.78E-06	5.29E-07	9.60E-07	8.48E-08	1.57E-06	4.09E-07	5.35E-07	3.87E-08	9.82E-07
1236	565796.6	4222400	3.95E-06	4.82E-06	2.54E-07	9.02E-06	2.09E-06	5.28E-06	2.54E-07	7.63E-06	5.18E-07	9.41E-07	8.31E-08	1.54E-06	4.01E-07	5.24E-07	3.79E-08	9.63E-07
1237	565806.4	4222400	3.78E-06	4.61E-06	2.43E-07	8.63E-06	2.00E-06	5.06E-06	2.43E-07	7.30E-06	4.96E-07	9.01E-07	7.95E-08	1.48E-06	3.84E-07	5.02E-07	3.63E-08	9.22E-07
1238	565560.8	4222399	1.88E-05	2.3E-05	1.21E-06	4.31E-05	9.99E-06	2.52E-05	1.21E-06	3.64E-05	2.48E-06	4.50E-06	3.97E-07	7.37E-06	1.92E-06	2.50E-06	1.81E-07	4.60E-06
1239	565570.6	4222400	1.7E-05	2.07E-05	1.09E-06	3.88E-05	9.00E-06	2.27E-05	1.09E-06	3.28E-05	2.23E-06	4.05E-06	3.58E-07	6.64E-06	1.73E-06	2.26E-06	1.63E-07	4.15E-06
1240	565581.1	4222394	1.56E-05	1.9E-05	1.00E-06	3.56E-05	8.25E-06	2.08E-05	1.00E-06	3.01E-05	2.04E-06	3.71E-06	3.28E-07	6.09E-06	1.58E-06	2.07E-06	1.50E-07	3.80E-06
1241	565590.9	4222394	1.42E-05	1.73E-05	9.13E-07	3.24E-05	7.52E-06	1.90E-05	9.13E-07	2.74E-05	1.86E-06	3.38E-06	2.99E-07	5.55E-06	1.44E-06	1.88E-06	1.36E-07	3.46E-06
1242	565620.3	4222397	1.1E-05	1.35E-05	7.10E-07	2.52E-05	5.85E-06	1.48E-05	7.10E-07	2.13E-05	1.45E-06	2.63E-06	2.32E-07	4.31E-06	1.12E-06	1.46E-06	1.06E-07	2.69E-06
1243	565630.1	4222398	1.02E-05	1.25E-05	6.56E-07	2.33E-05	5.40E-06	1.36E-05	6.56E-07	1.97E-05	1.34E-06	2.43E-06	2.15E-07	3.99E-06	1.04E-06	1.35E-06	9.79E-08	2.49E-06
1244	565925.2	4222433	2.38E-06	2.91E-06	1.53E-07	5.44E-06	1.26E-06	3.19E-06	1.53E-07	4.60E-06	3.13E-07	5.68E-07	5.02E-08	9.31E-07	2.42E-07	3.16E-07	2.29E-08	5.81E-07
1245	565561.7	4222389	1.92E-05	2.35E-05	1.24E-06	4.39E-05	1.02E-05	2.57E-05	1.24E-06	3.72E-05	2.52E-06	4.59E-06	4.05E-07	7.51E-06	1.95E-06	2.55E-06	1.85E-07	4.69E-06
1246	565571.5	4222389	1.73E-05	2.11E-05	1.11E-06	3.95E-05	9.17E-06	2.31E-05	1.11E-06	3.34E-05	2.27E-06	4.12E-06	3.64E-07	6.76E-06	1.76E-06	2.30E-06	1.66E-07	4.22E-06
1247	565581.7	4222381	1.58E-05	1.93E-05	1.02E-06	3.61E-05	8.38E-06	2.12E-05	1.02E-06	3.06E-05	2.08E-06	3.77E-06	3.33E-07	6.18E-06	1.61E-06	2.10E-06	1.52E-07	3.86E-06
1248	565591.5	4222381	1.44E-05	1.76E-05	9.25E-07	3.29E-05	7.62E-06	1.92E-05	9.25E-07	2.78E-05	1.89E-06	3.43E-06	3.03E-07	5.62E-06	1.46E-06	1.91E-06	1.38E-07	3.51E-06
1249	565621	4222383	1.11E-05	1.36E-05	7.15E-07	2.54E-05	5.89E-06	1.49E-05	7.15E-07	2.15E-05	1.46E-06	2.65E-06	2.34E-07	4.34E-06	1.13E-06	1.48E-06	1.07E-07	2.71E-06
1250	565630.9	4222383	1.03E-05	1.25E-05	6.60E-07	2.34E-05	5.44E-06	1.37E-05	6.60E-07	1.98E-05	1.35E-06	2.45E-06	2.16E-07	4.01E-06	1.04E-06	1.36E-06	9.86E-08	2.50E-06
1251	565640.4	4222392	9.5E-06	1.16E-05	6.11E-07	2.17E-05	5.04E-06	1.27E-05	6.11E-07	1.84E-05	1.25E-06	2.27E-06	2.00E-07	3.71E-06	9.65E-07	1.26E-06	9.13E-08	2.32E-06
1252	565650.2	4222392	8.84E-06	1.08E-05	5.69E-07	2.02E-05	4.69E-06	1.18E-05	5.69E-07	1.71E-05	1.16E-06	2.11E-06	1.86E-07	3.46E-06	8.99E-07	1.17E-06	8.50E-08	2.16E-06
1253	565659.7	4222397	8.25E-06	1.01E-05	5.31E-07	1.89E-05	4.37E-06	1.10E-05	5.31E-07	1.60E-05	1.08E-06	1.97E-06	1.74E-07	3.23E-06	8.39E-07	1.10E-06	7.93E-08	2.01E-06
1254	565660.3	4222384	8.25E-06	1.01E-05	5.31E-07	1.89E-05	4.38E-06	1.10E-05	5.31E-07	1.60E-05	1.08E-06	1.97E-06	1.74E-07	3.23E-06	8.39E-07	1.10E-06	7.93E-08	2.01E-06
1255	565669.9	4222393	7.72E-06	9.43E-06	4.97E-07	1.77E-05	4.09E-06	1.03E-05	4.97E-07	1.49E-05	1.01E-06	1.84E-06	1.63E-07	3.02E-06	7.85E-07	1.03E-06	7.42E-08	1.88E-06
1256	565679.7	4222393	7.24E-06	8.84E-06	4.66E-07	1.65E-05	3.84E-06	9.69E-06	4.66E-07	1.40E-05	9.51E-07	1.73E-06	1.52E-07	2.83E-06	7.36E-07	9.62E-07	6.96E-08	1.77E-06
1257	565689.5	4222394	6.8E-06	8.31E-06	4.38E-07	1.55E-05	3.61E-06	9.10E-06	4.38E-07	1.31E-05	8.93E-07	1.62E-06	1.43E-07	2.66E-06	6.91E-07	9.03E-07	6.53E-08	1.66E-06
1258	565699.3	4222394	6.4E-06	7.82E-06	4.12E-07	1.46E-05	3.39E-06	8.57E-06	4.12E-07	1.24E-05	8.40E-07	1.53E-06	1.35E-07	2.50E-06	6.50E-07	8.50E-07	6.15E-08	1.56E-06
1259	565709.2	4222394	6.04E-06	7.37E-06	3.89E-07	1.38E-05	3.20E-06	8.08E-06	3.89E-07	1.17E-05	7.93E-07	1.44E-06	1.27E-07	2.36E-06	6.13E-07	8.02E-07	5.80E-08	1.47E-06
1260	565728.8	4222395	5.4E-06	6.6E-06	3.48E-07	1.23E-05	2.86E-06	7.23E-06	3.48E-07	1.04E-05	7.10E-07	1.29E-06	1.14E-07	2.11E-06	5.49E-07	7.18E-07	5.19E-08	1.32E-06
1261	565739	4222387	5.1E-06	6.23E-06	3.28E-07	1.17E-05	2.71E-06	6.83E-06	3.28E-07	9.87E-06	6.70E-07	1.22E-06	1.07E-07	2.00E-06	5.19E-07	6.78E-07	4.90E-08	1.25E-06
1262	565748.8	4222388	4.84E-06	5.92E-06	3.12E-07	1.11E-05	2.57E-06	6.48E-06	3.12E-07	9.36E-06	6.36E-07	1.16E-06	1.02E-07	1.89E-06	4.92E-07	6.43E-07	4.65E-08	1.18E-06
1263	565758.7	4222388	4.6E-06	5.62E-06	2.96E-07	1.05E-05	2.44E-06	6.16E-06	2.96E-07	8.90E-06	6.05E-07	1.10E-06	9.69E-08	1.80E-06	4.68E-07	6.12E-07	4.42E-08	1.12E-06
1264	565768.5	4222388	4.38E-06	5.35E-06	2.82E-07	1.00E-05	2.32E-06	5.87E-06	2.82E-07	8.47E-06	5.75E-07	1.05E-06	9.23E-08	1.71E-06	4.45E-07	5.82E-07	4.21E-08	1.07E-06
1265	565778.3	4222389	4.18E-06	5.1E-06	2.69E-07	9.54E-06	2.21E-06	5.59E-06	2.69E-07	8.07E-06	5.48E-07	9.96E-07	8.79E-08	1.63E-06	4.24E-07	5.55E-07	4.01E-08	1.02E-06
1266	565788.2	4222389	3.99E-06	4.87E-06	2.57E-07	9.11E-06	2.11E-06	5.34E-06	2.57E-07	7.71E-06	5.23E-07	9.51E-07	8.39E-08	1.56E-06	4.05E-07	5.29E-07	3.83E-08	9.73E-07
1267	565798	4222390	3.91E-06	4.77E-06	2.51E-07	8.93E-06	2.07E-06	5.23E-06	2.51E-07	7.55E-06	5.13E-07	9.32E-07	8.23E-08	1.53E-06	3.97E-07	5.19E-07	3.75E-08	9.53E-07
1268	565807.8	4222390	3.74E-06	4.57E-06	2.41E-07	8.54E-06	1.98E-06	5.00E-06	2.41E-07	7.23E-06	4.91E-07	8.92E-07	7.87E-08	1.46E-06	3.80E-07	4.97E-07	3.59E-08	9.12E-07
1269	565847.8	4222392	3.16E-06	3.85E-06	2.03E-07	7.21E-06	1.67E-06	4.23E-06	2.03E-07	6.10E-06	4.15E-07	7.53E-07	6.65E-08	1.23E-06	3.21E-07	4.19E-07	3.03E-08	7.70E-07
1270	565867.8	4222392	2.91E-06	3.56E-06	1.88E-07	6.66E-06	1.55E-06	3.90E-06	1.88E-07	5.63E-06	3.83E-07	6.95E-07	6.14E-08	1.14E-06	2.96E-07	3.87E-07	2.80E-08	7.11E-07
1271	565887.7	4222393	2.7E-06	3.3E-06	1.74E-07	6.17E-06	1.43E-06	3.62E-06	1.74E-07	5.22E-06	3.55E-07	6.44E-07	5.69E-08	1.06E-06	2.74E-07	3.59E-07	2.59E-08	6.59E-07
1272	565907.7	4222394	2.52E-06	3.07E-06	1.62E-07	5.75E-06	1.33E-06	3.37E-06	1.62E-07	4.86E-06	3.30E-07	6.00E-07	5.30E-08	9.84E-07	2.56E-07	3.34E-07	2.42E-08	6.14E-07
1273	565927.7	4222395	2.35E-06	2.87E-06	1.51E-07	5.38E-06	1.25E-06	3.15E-06	1.51E-07	4.55E-06	3.09E-07	5.61E-07	4.95E-08	9.19E-07	2.39E-07	3.12E-07	2.26E-08	5.74E-07
1274	565562.1	4222378	1.96E-05	2.39E-05	1.26E-06	4.47E-05	1.04E-05	2.62E-05	1.26E-06	3.78E-05	2.57E-06	4.67E-06	4.12E-07	7.65E-06	1.99E-06	2.60E-06	1.88E-07	4.78E-06
1275	565562	4222368	1.98E-05	2.42E-05	1.28E-06	4.53E-05	1.05E-05	2.65E-05	1.28E-06	3.83E-05	2.60E-06	4.73E-06	4.17E-07	7.75E-06	2.01E-06	2.63E-06	1.90E-07	4.84E-06
1276	565562	4222358	1.99E-05	2.43E-05	1.28E-06	4.55E-05	1.06E-05	2.67E-05	1.28E-06	3.85E-05	2.62E-06	4.75E-06	4.20E-07	7.79E-06	2.02E-06	2.65E-06	1.91E-07	4.86E-06
1277	565562	4222348	1.99E-05	2.43E-05	1.28E-06	4.54E-05	1.05E-05	2.66E-05	1.28E-06	3.84E-05	2.61E-06	4.74E-06	4.19E-07	7.77E-06	2.02E-06	2.64E-06	1.91E-07	4.85E-06
1278	565561.9	4222338	1.97E-05	2.41E-05	1.27E-06	4.50E-05	1.04E-05	2.64E-05	1.27E-06	3.81E-05	2.59E-06	4.70E-06	4.15E-07	7.70E-06	2.00E-06	2.62E-06	1.89E-07	4.81E-06
1279	565561.9	4222328	1.94E-05	2.37E-05	1.25E-06	4.43E-05	1.03E-05	2.59E-05	1.25E-06	3.74E-05	2.54E-06	4.62E-06	4.08E-07	7.57E-06	1.97E-06	2.57E-06	1.86E-07	4.73E-06
1280	565561.8	4222318	1.89E-05	2.31E-05	1.22E-06	4.32E-05	1.00E-05	2.53E-05	1.22E-06	3.65E-05	2.48E-06	4.51E-06	3.98E-07	7.39E-06	1.92E-06	2.51E-06	1.82E-07	4.61E-06
1281	565571.9	4222378	1.76E-05	2.14E-05	1.13E-06	4.01E-05	9.31E-06	2.35E-05	1.13E-06	3.40E-05	2.31E-06	4.19E-06	3.70E-07	6.87E-06	1.78E-06	2.33E-06	1.69E-07	4.29E-06
1282	565571.9	4222368	1.77E-05	2.17E-05	1.14E-06	4.05E-05	9.40E-06	2.37E-05	1.14E-06	3.43E-05	2.33E-06	4.23E-06	3.74E-07	6.93E-06	1.80E-06	2.36E-06	1.70E-07	4.33E-06
1283	565571.8	4222358	1.78E-05	2.17E-05	1.15E-06	4.07E-05	9.43E-06	2.38E-05	1.15E-06	3.44E-05	2.34E-06	4.24E-06	3.75E-07	6.96E-06	1.81E-06	2.36E-06	1.71E-07	4.34E-06
1284	565571.8	4222348	1.77E-05	2.16E-05	1.14E-06	4.05E-05	9.40E-06	2.37E-05	1.14E-06	3.43E-05	2.33E-06	4.23E-06	3.73E-07	6.93E-06	1.80E-06	2.35E-06	1.70E-07	4.33E-06
1285	565571.8	4222338	1.75E-05	2.14E-05	1.13E-06	4.01E-05	9.30E-06	2.35E-05	1.13E-06	3.39E-05	2.30E-06	4.18E-06	3.69E-07	6.85E-06	1.78E-06	2.33E-06	1.68E-07	4.28E-06
1286	565571.7	4222328	1.72E-05	2.1E-05	1.11E-06	3.94E-05	9.13E-06	2.31E-05	1.11E-06	3.33E-05	2.26E-06	4.11E-06	3.63E-07	6.73E-06	1.75E-06	2.29E-06	1.65E-07	4.20E-06
1287	565571.7	4222318	1.68E-05	2.05E-05	1.08E-06	3.84E-05	8.90E-06	2.25E-05	1.08E-06	3.24E-05	2.20E-06	4.00E-06	3.53E-07	6.56E-06	1.71E-06	2.23E-06	1.61E-07	4.10E-06
1288	565571.6	4222308	1.62E-05	1.98E-05	1.04E-06	3.71E-05	8.61E-06	2.17E-05	1.04E-06	3.14E-05	2.13E-06	3.87E-06	3.42E-07	6.35E-06	1.65E-06	2.16E-06	1.56E-07	3.96E-06
1289	565571.6	4222299	1.56E-05	1.9E-05	1.00E-06	3.56E-05	8.25E-06	2.08E-05	1.00E-06	3.01E-05	2.04E-06	3.71E-06	3.28E-07	6.09E-06	1.58E-06	2.07E-06	1.50E-07	3.80E-06
1290	565581.7	4222368	1.6E-05	1.95E-05	1.03E-06	3.65E-05	8.48E-06	2.14E-05	1.03E-06	3.09E-05	2.10E-06	3.81E-06	3.37E-07	6.25E-06	1.62E-06	2.12E-06	1.54E-07	3.90E-06
1291	565581.7	4222358	1.6E-05	1.96E-05	1.03E-06	3.66E-05	8.49E-06	2.14E-05	1.03E-06	3.09E-05	2.10E-06	3.82E-06	3.37E-07	6.26E-06	1.63E-06	2.13E-06	1.54E-07	3.91E-06
1292	565581.6	4222348	1.59E-05	1.94E-05	1.02E-06	3.64E-05	8.44E-06	2.13E-05	1.02E-06	3.08E-05	2.09E-06	3.80E-06	3.35E-07	6.22E-06	1.62E-06	2.11E-06	1.53E-07	3.89E-06
1293	565581.6	4222338	1.57E-05	1.92E-05	1.01E-06	3.60E-05	8.34E-06	2.11E-05	1.01E-06	3.04E-05	2.07E-06	3.75E-06	3.31E-07	6.15E-06	1.60E-06	2.09E-06	1.51E-07	3.84E-06
1294	565581.6	4222328	1.54E-05	1.88E-05	9.93E-07	3.53E-05	8.18E-06	2.07E-05	9.93E-07	2.98E-05	2.03E-06	3.68E-06	3.25E-07	6.03E-06	1.57E-06	2.05E-06	1.48E-07	3.77E-06
1295	565581.5	4222318	1.5E-05	1.84E-05	9.68E-07	3.44E-05	7.97E-06	2.01E-05	9.68E-07	2.91E-05	1.97E-06	3.59E-06	3.17E-07	5.88E-06	1.53E-06	2.00E-06	1.44E-07	3.67E-06
1296	565581.5	4222308	1.45E-05	1.78E-05	9.36E-07	3.32E-05	7.71E-06	1.95E-05	9.36E-07	2.81E-05	1.91E-06	3.47E-06	3.06E-07	5.68E-06	1.48E-06	1.93E-06	1.40E-07	3.55E-06
1297	565581.4	4222298	1.4E-05	1.7E-05	8.98E-07	3.19E-05	7.40E-06	1.87E-05	8.98E-07	2.70E-05	1.83E-06	3.33E-06	2.94E-07	5.45E-06	1.42E-06	1.85E-06	1.34E-07	3.41E-06
1298	565591.6	4222368	1.45E-05	1.77E-05	9.33E-07	3.31E-05	7.69E-06	1.94E-05	9.33E-07	2.80E-05	1.90E-06	3.46E-06	3.05E-07	5.67E-06	1.47E-06	1.93E-06	1.39E-07	3.54E-06
1299	565591.5	4222358	1.45E-05	1.77E-05	9.33E-07	3.31E-05	7.68E-06	1.94E-05	9.33E-07	2.80E-05	1.90E-06	3.46E-06	3.05E-07	5.67E-06	1.47E-06	1.93E-06	1.39E-07	3.54E-06
1300	565591.5	4222348	1.44E-05	1.76E-05	9.26E-07	3.29E-05	7.63E-06	1.93E-05	9.26E-07	2.78E-05	1.89E-06	3.43E-06	3.03E-07	5.63E-06	1.46E-06	1.91E-06	1.38E-07	3.51E-06
1301	565591.4	4222338	1.42E-05	1.73E-05	9.14E-07	3.25E-05	7.53E-06	1.90E-05	9.14E-07	2.75E-05	1.87E-06	3.39E-06	2.99E-07	5.55E-06	1.44E-06	1.89E-06	1.36E-07	3.47E-06
1302	565591.4	4222328	1.39E-05	1.7E-05	8.97E-07	3.18E-05	7.39E-06	1.86E-05	8.97E-07	2.69E-05	1.83E-06	3.32E-06	2.93E-07	5.45E-06	1.42E-06	1.85E-06	1.34E-07	3.40E-06
1303	565591.4	4222318	1.36E-05	1.66E-05	8.73E-07	3.10E-05	7.19E-06	1.82E-05	8.73E-07	2.62E-05	1.78E-06	3.24E-06	2.86E-07	5.31E-06	1.38E-06	1.80E-06	1.30E-07	3.31E-06
1304	565591.3	4222308	1.31E-05	1.6E-05	8.45E-07	3.00E-05	6.96E-06	1.76E-05	8.45E-07	2.54E-05	1.72E-06	3.13E-06	2.77E-07	5.13E-06	1.33E-06	1.74E-06	1.26E-07	3.21E-06
1305	565591.3	4222298	1.26E-05	1.54E-05	8.12E-07	2.88E-05	6.69E-06	1.69E-05	8.12E-07	2.44E-05	1.66E-06	3.01E-06	2.66E-07	4.93E-06	1.28E-06	1.68E-06	1.21E-07	3.08E-06
1306	565601.2	4222328	1.26E-05	1.54E-05	8.14E-07	2.89E-05	6.71E-06	1.69E-05	8.14E-07	2.45E-05	1.66E-06	3.02E-06	2.66E-07	4.95E-06	1.29E-06	1.68E-06	1.22E-07	3.09E-06
1307	565601.2	4222318	1.23E-05	1.51E-05	7.94E-07	2.82E-05	6.54E-06	1.65E-05	7.94E-07	2.38E-05	1.62E-06	2.94E-06	2.60E-07	4.82E-06	1.25E-06	1.64E-06	1.18E-07	3.01E-06
1308	565601.2	4222308	1.19E-05	1.46E-05	7.69E-07	2.73E-05	6.33E-06	1.60E-05	7.69E-07	2.31E-05	1.57E-06	2.85E-06	2.52E-07	4.67E-06	1.21E-06	1.59E-06	1.15E-07	2.92E-06
1309	565601.1	4222298	1.15E-05	1.4E-05	7.40E-07	2.63E-05	6.09E-06	1.54E-05	7.40E-07	2.22E-05	1.51E-06	2.74E-06	2.42E-07	4.49E-06	1.17E-06	1.53E-06	1.10E-07	2.81E-06
1310	565621.1	4222368	1.11E-05	1.36E-05	7.16E-07	2.54E-05	5.90E-06	1.49E-05	7.16E-07	2.15E-05	1.46E-06	2.66E-06	2.34E-07	4.35E-06	1.13E-06	1.48E-06	1.07E-07	2.72E-06
1311	565621	4222358	1.11E-05	1.35E-05	7.13E-07	2.53E-05	5.87E-06	1.48E-05	7.13E-07	2.14E-05	1.45E-06	2.64E-06	2.33E-07	4.33E-06	1.13E-06	1.47E-06	1.06E-07	2.70E-06
1312	565621	4222338	1.08E-05	1.32E-05	6.95E-07	2.47E-05	5.73E-06	1.45E-05	6.95E-07	2.09E-05	1.42E-06	2.58E-06	2.28E-07	4.22E-06	1.10E-06	1.44E-06	1.04E-07	2.64E-06
1313	565620.9	4222328	1.06E-05	1.29E-05	6.82E-07	2.42E-05	5.62E-06	1.42E-05	6.82E-07	2.05E-05	1.39E-06	2.53E-06	2.23E-07	4.14E-06	1.08E-06	1.41E-06	1.02E-07	2.59E-06
1314	565620.9	4222318	1.03E-05	1.26E-05	6.65E-07	2.36E-05	5.48E-06	1.38E-05	6.65E-07	2.00E-05	1.36E-06	2.47E-06	2.18E-07	4.04E-06	1.05E-06	1.37E-06	9.93E-08	2.52E-06
1315	565620.8	4222308	1E-05	1.22E-05	6.45E-07	2.29E-05	5.32E-06	1.34E-05	6.45E-07	1.94E-05	1.32E-06	2.39E-06	2.11E-07	3.92E-06	1.02E-06	1.33E-06	9.63E-08	2.45E-06
1316	565620.8	4222298	9.67E-06	1.18E-05	6.23E-07	2.21E-05	5.13E-06	1.30E-05	6.23E-07	1.87E-05	1.27E-06	2.31E-06	2.04E-07	3.78E-06	9.83E-07	1.29E-06	9.30E-08	2.36E-06
1317	565630.9	4222367	1.03E-05	1.25E-05	6.61E-07	2.35E-05	5.44E-06	1.37E-05	6.61E-07	1.99E-05	1.35E-06	2.45E-06	2.16E-07	4.01E-06	1.04E-06	1.36E-06	9.87E-08	2.51E-06

1318	565630.9	4222358	1.02E-05	1.25E-05	6.57E-07	2.33E-05	5.41E-06	1.37E-05	6.57E-07	1.97E-05	1.34E-06	2.44E-06	2.15E-07	3.99E-06	1.04E-06	1.36E-06	9.81E-08	2.49E-06
1319	565630.8	4222338	9.95E-06	1.22E-05	6.40E-07	2.27E-05	5.28E-06	1.33E-05	6.40E-07	1.92E-05	1.31E-06	2.37E-06	2.10E-07	3.89E-06	1.01E-06	1.32E-06	9.56E-08	2.43E-06
1320	565630.8	4222328	9.75E-06	1.19E-05	6.28E-07	2.23E-05	5.17E-06	1.31E-05	6.28E-07	1.89E-05	1.28E-06	2.33E-06	2.05E-07	3.81E-06	9.91E-07	1.30E-06	9.37E-08	2.38E-06
1321	565630.7	4222318	9.51E-06	1.16E-05	6.12E-07	2.17E-05	5.04E-06	1.27E-05	6.12E-07	1.84E-05	1.25E-06	2.27E-06	2.00E-07	3.72E-06	9.67E-07	1.26E-06	9.14E-08	2.32E-06
1322	565630.7	4222308	9.23E-06	1.13E-05	5.94E-07	2.11E-05	4.89E-06	1.24E-05	5.94E-07	1.79E-05	1.21E-06	2.20E-06	1.94E-07	3.61E-06	9.38E-07	1.23E-06	8.87E-08	2.25E-06
1323	565630.6	4222298	8.92E-06	1.09E-05	5.74E-07	2.04E-05	4.73E-06	1.19E-05	5.74E-07	1.73E-05	1.17E-06	2.13E-06	1.88E-07	3.49E-06	9.07E-07	1.19E-06	8.57E-08	2.18E-06
1324	565640.8	4222377	9.52E-06	1.16E-05	6.13E-07	2.18E-05	5.05E-06	1.27E-05	6.13E-07	1.84E-05	1.25E-06	2.27E-06	2.00E-07	3.72E-06	9.67E-07	1.26E-06	9.15E-08	2.32E-06
1325	565640.8	4222367	9.51E-06	1.16E-05	6.12E-07	2.17E-05	5.04E-06	1.27E-05	6.12E-07	1.84E-05	1.25E-06	2.27E-06	2.00E-07	3.72E-06	9.66E-07	1.26E-06	9.13E-08	2.32E-06
1326	565640.6	4222338	9.2E-06	1.12E-05	5.92E-07	2.10E-05	4.88E-06	1.23E-05	5.92E-07	1.78E-05	1.21E-06	2.19E-06	1.94E-07	3.60E-06	9.35E-07	1.22E-06	8.84E-08	2.25E-06
1327	565640.6	4222328	9.02E-06	1.1E-05	5.80E-07	2.06E-05	4.78E-06	1.21E-05	5.80E-07	1.74E-05	1.18E-06	2.15E-06	1.90E-07	3.53E-06	9.16E-07	1.20E-06	8.66E-08	2.20E-06
1328	565640.5	4222318	8.8E-06	1.07E-05	5.66E-07	2.01E-05	4.67E-06	1.18E-05	5.66E-07	1.70E-05	1.16E-06	2.10E-06	1.85E-07	3.44E-06	8.94E-07	1.17E-06	8.46E-08	2.15E-06
1329	565640.5	4222308	8.55E-06	1.04E-05	5.50E-07	1.95E-05	4.53E-06	1.15E-05	5.50E-07	1.65E-05	1.12E-06	2.04E-06	1.80E-07	3.34E-06	8.69E-07	1.14E-06	8.22E-08	2.09E-06
1330	565640.5	4222298	8.28E-06	1.01E-05	5.33E-07	1.89E-05	4.39E-06	1.11E-05	5.33E-07	1.60E-05	1.09E-06	1.97E-06	1.74E-07	3.24E-06	8.41E-07	1.10E-06	7.95E-08	2.02E-06
1331	565650.6	4222377	8.85E-06	1.08E-05	5.69E-07	2.02E-05	4.69E-06	1.18E-05	5.69E-07	1.71E-05	1.16E-06	2.11E-06	1.86E-07	3.46E-06	8.99E-07	1.18E-06	8.50E-08	2.16E-06
1332	565650.6	4222367	8.82E-06	1.08E-05	5.68E-07	2.02E-05	4.68E-06	1.18E-05	5.68E-07	1.71E-05	1.16E-06	2.11E-06	1.86E-07	3.45E-06	8.97E-07	1.17E-06	8.48E-08	2.15E-06
1333	565650.4	4222328	8.37E-06	1.02E-05	5.38E-07	1.91E-05	4.44E-06	1.12E-05	5.38E-07	1.62E-05	1.10E-06	2.00E-06	1.76E-07	3.27E-06	8.50E-07	1.11E-06	8.04E-08	2.04E-06
1334	565650.4	4222318	8.17E-06	9.98E-06	5.26E-07	1.87E-05	4.33E-06	1.09E-05	5.26E-07	1.58E-05	1.07E-06	1.95E-06	1.72E-07	3.19E-06	8.30E-07	1.09E-06	7.85E-08	1.99E-06
1335	565650.3	4222308	7.95E-06	9.71E-06	5.12E-07	1.82E-05	4.22E-06	1.06E-05	5.12E-07	1.54E-05	1.04E-06	1.90E-06	1.67E-07	3.11E-06	8.08E-07	1.06E-06	7.64E-08	1.94E-06
1336	565650.3	4222298	7.71E-06	9.41E-06	4.96E-07	1.76E-05	4.09E-06	1.03E-05	4.96E-07	1.49E-05	1.01E-06	1.84E-06	1.62E-07	3.01E-06	7.83E-07	1.02E-06	7.40E-08	1.88E-06
1337	565660.4	4222367	8.21E-06	1E-05	5.29E-07	1.88E-05	4.35E-06	1.10E-05	5.29E-07	1.59E-05	1.08E-06	1.96E-06	1.73E-07	3.21E-06	8.35E-07	1.09E-06	7.89E-08	2.00E-06
1338	565660.3	4222338	7.93E-06	9.69E-06	5.11E-07	1.81E-05	4.21E-06	1.06E-05	5.11E-07	1.53E-05	1.04E-06	1.89E-06	1.67E-07	3.10E-06	8.06E-07	1.05E-06	7.62E-08	1.94E-06
1339	565660.3	4222328	7.78E-06	9.51E-06	5.01E-07	1.78E-05	4.13E-06	1.04E-05	5.01E-07	1.51E-05	1.02E-06	1.86E-06	1.64E-07	3.04E-06	7.91E-07	1.03E-06	7.48E-08	1.90E-06
1340	565660.2	4222318	7.61E-06	9.3E-06	4.90E-07	1.74E-05	4.04E-06	1.02E-05	4.90E-07	1.47E-05	1.00E-06	1.82E-06	1.60E-07	2.98E-06	7.74E-07	1.01E-06	7.31E-08	1.86E-06
1341	565660.2	4222308	7.42E-06	9.06E-06	4.77E-07	1.70E-05	3.93E-06	9.93E-06	4.77E-07	1.43E-05	9.74E-07	1.77E-06	1.56E-07	2.90E-06	7.54E-07	9.85E-07	7.13E-08	1.81E-06
1342	565660.1	4222298	7.2E-06	8.79E-06	4.63E-07	1.65E-05	3.82E-06	9.64E-06	4.63E-07	1.39E-05	9.45E-07	1.72E-06	1.52E-07	2.81E-06	7.32E-07	9.56E-07	6.92E-08	1.76E-06
1343	565670.3	4222377	7.7E-06	9.4E-06	4.96E-07	1.76E-05	4.08E-06	1.03E-05	4.96E-07	1.49E-05	1.01E-06	1.84E-06	1.62E-07	3.01E-06	7.82E-07	1.02E-06	7.40E-08	1.88E-06
1344	565670.3	4222367	7.66E-06	9.36E-06	4.93E-07	1.75E-05	4.06E-06	1.03E-05	4.93E-07	1.48E-05	1.01E-06	1.83E-06	1.61E-07	3.00E-06	7.79E-07	1.02E-06	7.36E-08	1.87E-06
1345	565670.2	4222357	7.6E-06	9.29E-06	4.89E-07	1.74E-05	4.03E-06	1.02E-05	4.89E-07	1.47E-05	9.98E-07	1.81E-06	1.60E-07	2.97E-06	7.73E-07	1.01E-06	7.31E-08	1.86E-06
1346	565670.2	4222348	7.51E-06	9.18E-06	4.84E-07	1.72E-05	3.98E-06	1.01E-05	4.84E-07	1.45E-05	9.87E-07	1.79E-06	1.58E-07	2.94E-06	7.64E-07	9.98E-07	7.22E-08	1.83E-06
1347	565670.1	4222338	7.4E-06	9.04E-06	4.76E-07	1.69E-05	3.92E-06	9.91E-06	4.76E-07	1.43E-05	9.72E-07	1.77E-06	1.56E-07	2.89E-06	7.52E-07	9.83E-07	7.11E-08	1.81E-06
1348	565670.1	4222328	7.27E-06	8.87E-06	4.68E-07	1.66E-05	3.85E-06	9.73E-06	4.68E-07	1.40E-05	9.54E-07	1.73E-06	1.53E-07	2.84E-06	7.38E-07	9.65E-07	6.98E-08	1.77E-06
1349	565670.1	4222318	7.11E-06	8.69E-06	4.58E-07	1.63E-05	3.77E-06	9.52E-06	4.58E-07	1.38E-05	9.34E-07	1.70E-06	1.50E-07	2.78E-06	7.23E-07	9.45E-07	6.83E-08	1.74E-06
1350	565670	4222308	6.94E-06	8.47E-06	4.47E-07	1.59E-05	3.68E-06	9.29E-06	4.47E-07	1.34E-05	9.11E-07	1.66E-06	1.46E-07	2.71E-06	7.05E-07	9.22E-07	6.67E-08	1.69E-06
1351	565670	4222298	6.74E-06	8.24E-06	4.34E-07	1.54E-05	3.58E-06	9.03E-06	4.34E-07	1.30E-05	8.86E-07	1.61E-06	1.42E-07	2.64E-06	6.85E-07	8.96E-07	6.48E-08	1.65E-06
1352	565680.2	4222377	7.21E-06	8.81E-06	4.64E-07	1.65E-05	3.82E-06	9.65E-06	4.64E-07	1.39E-05	9.47E-07	1.72E-06	1.52E-07	2.82E-06	7.33E-07	9.58E-07	6.93E-08	1.76E-06
1353	565680.1	4222367	7.17E-06	8.76E-06	4.62E-07	1.64E-05	3.80E-06	9.61E-06	4.62E-07	1.39E-05	9.42E-07	1.71E-06	1.51E-07	2.81E-06	7.29E-07	9.53E-07	6.89E-08	1.75E-06
1354	565680.1	4222357	7.11E-06	8.69E-06	4.58E-07	1.63E-05	3.77E-06	9.53E-06	4.58E-07	1.38E-05	9.34E-07	1.70E-06	1.50E-07	2.78E-06	7.23E-07	9.45E-07	6.84E-08	1.74E-06
1355	565680	4222348	7.03E-06	8.59E-06	4.53E-07	1.61E-05	3.73E-06	9.41E-06	4.53E-07	1.36E-05	9.23E-07	1.68E-06	1.48E-07	2.75E-06	7.14E-07	9.34E-07	6.75E-08	1.72E-06
1356	565680	4222338	6.92E-06	8.46E-06	4.46E-07	1.58E-05	3.67E-06	9.27E-06	4.46E-07	1.34E-05	9.09E-07	1.65E-06	1.46E-07	2.71E-06	7.04E-07	9.20E-07	6.65E-08	1.69E-06
1357	565679.9	4222328	6.8E-06	8.31E-06	4.38E-07	1.55E-05	3.61E-06	9.11E-06	4.38E-07	1.32E-05	8.93E-07	1.62E-06	1.43E-07	2.66E-06	6.91E-07	9.04E-07	6.54E-08	1.66E-06
1358	565679.9	4222318	6.66E-06	8.14E-06	4.29E-07	1.52E-05	3.53E-06	8.92E-06	4.29E-07	1.29E-05	8.75E-07	1.59E-06	1.40E-07	2.61E-06	6.77E-07	8.85E-07	6.40E-08	1.63E-06
1359	565679.9	4222308	6.51E-06	7.95E-06	4.19E-07	1.49E-05	3.45E-06	8.71E-06	4.19E-07	1.26E-05	8.54E-07	1.55E-06	1.37E-07	2.54E-06	6.61E-07	8.64E-07	6.25E-08	1.59E-06
1360	565679.8	4222298	6.33E-06	7.73E-06	4.07E-07	1.45E-05	3.36E-06	8.48E-06	4.07E-07	1.22E-05	8.31E-07	1.51E-06	1.33E-07	2.48E-06	6.43E-07	8.41E-07	6.08E-08	1.55E-06
1361	565690	4222377	6.77E-06	8.27E-06	4.36E-07	1.55E-05	3.59E-06	9.06E-06	4.36E-07	1.31E-05	8.89E-07	1.61E-06	1.43E-07	2.65E-06	6.88E-07	8.99E-07	6.50E-08	1.65E-06
1362	565689.9	4222367	6.73E-06	8.22E-06	4.33E-07	1.54E-05	3.57E-06	9.02E-06	4.33E-07	1.30E-05	8.84E-07	1.61E-06	1.42E-07	2.63E-06	6.84E-07	8.94E-07	6.47E-08	1.64E-06
1363	565689.9	4222357	6.68E-06	8.15E-06	4.30E-07	1.53E-05	3.54E-06	8.94E-06	4.30E-07	1.29E-05	8.77E-07	1.59E-06	1.41E-07	2.61E-06	6.78E-07	8.87E-07	6.41E-08	1.63E-06
1364	565689.9	4222347	6.6E-06	8.06E-06	4.25E-07	1.51E-05	3.50E-06	8.83E-06	4.25E-07	1.28E-05	8.66E-07	1.57E-06	1.39E-07	2.58E-06	6.70E-07	8.76E-07	6.34E-08	1.61E-06
1365	565689.8	4222338	6.5E-06	7.94E-06	4.18E-07	1.49E-05	3.45E-06	8.70E-06	4.18E-07	1.26E-05	8.54E-07	1.55E-06	1.37E-07	2.54E-06	6.60E-07	8.63E-07	6.24E-08	1.59E-06
1366	565689.8	4222328	6.39E-06	7.8E-06	4.11E-07	1.46E-05	3.39E-06	8.55E-06	4.11E-07	1.23E-05	8.39E-07	1.52E-06	1.34E-07	2.50E-06	6.49E-07	8.48E-07	6.14E-08	1.56E-06
1367	565689.7	4222318	6.26E-06	7.64E-06	4.03E-07	1.43E-05	3.32E-06	8.38E-06	4.03E-07	1.21E-05	8.22E-07	1.49E-06	1.32E-07	2.45E-06	6.36E-07	8.31E-07	6.01E-08	1.53E-06
1368	565689.7	4222308	6.11E-06	7.47E-06	3.94E-07	1.40E-05	3.24E-06	8.19E-06	3.94E-07	1.18E-05	8.03E-07	1.46E-06	1.29E-07	2.39E-06	6.21E-07	8.12E-07	5.87E-08	1.49E-06
1369	565689.7	4222298	5.96E-06	7.27E-06	3.83E-07	1.36E-05	3.16E-06	7.98E-06	3.83E-07	1.15E-05	7.82E-07	1.42E-06	1.25E-07	2.33E-06	6.05E-07	7.91E-07	5.72E-08	1.45E-06
1370	565699.8	4222377	6.37E-06	7.78E-06	4.10E-07	1.46E-05	3.38E-06	8.52E-06	4.10E-07	1.23E-05	8.36E-07	1.52E-06	1.34E-07	2.49E-06	6.47E-07	8.46E-07	6.12E-08	1.55E-06
1371	565699.8	4222367	6.33E-06	7.73E-06	4.08E-07	1.45E-05	3.36E-06	8.48E-06	4.08E-07	1.22E-05	8.32E-07	1.51E-06	1.33E-07	2.48E-06	6.44E-07	8.41E-07	6.08E-08	1.55E-06
1372	565699.7	4222357	6.28E-06	7.67E-06	4.04E-07	1.43E-05	3.33E-06	8.41E-06	4.04E-07	1.21E-05	8.24E-07	1.50E-06	1.32E-07	2.45E-06	6.38E-07	8.34E-07	6.03E-08	1.53E-06
1373	565699.7	4222347	6.2E-06	7.58E-06	3.99E-07	1.42E-05	3.29E-06	8.31E-06	3.99E-07	1.20E-05	8.15E-07	1.48E-06	1.31E-07	2.43E-06	6.30E-07	8.24E-07	5.96E-08	1.51E-06
1374	565699.7	4222338	6.11E-06	7.47E-06	3.94E-07	1.40E-05	3.24E-06	8.19E-06	3.94E-07	1.18E-05	8.03E-07	1.46E-06	1.29E-07	2.39E-06	6.21E-07	8.12E-07	5.87E-08	1.49E-06
1375	565699.6	4222328	6.01E-06	7.34E-06	3.87E-07	1.37E-05	3.19E-06	8.05E-06	3.87E-07	1.16E-05	7.89E-07	1.43E-06	1.27E-07	2.35E-06	6.11E-07	7.98E-07	5.77E-08	1.47E-06
1376	565699.6	4222318	5.89E-06	7.2E-06	3.79E-07	1.35E-05	3.12E-06	7.89E-06	3.79E-07	1.14E-05	7.74E-07	1.41E-06	1.24E-07	2.30E-06	5.99E-07	7.83E-07	5.66E-08	1.44E-06
1377	565699.5	4222308	5.76E-06	7.03E-06	3.71E-07	1.32E-05	3.05E-06	7.71E-06	3.71E-07	1.11E-05	7.56E-07	1.37E-06	1.21E-07	2.25E-06	5.85E-07	7.65E-07	5.53E-08	1.41E-06
1378	565699.5	4222298	5.62E-06	6.86E-06	3.62E-07	1.28E-05	2.98E-06	7.52E-06	3.62E-07	1.09E-05	7.38E-07	1.34E-06	1.18E-07	2.20E-06	5.71E-07	7.46E-07	5.40E-08	1.37E-06
1379	565709.7	4222377	6E-06	7.33E-06	3.86E-07	1.37E-05	3.18E-06	8.03E-06	3.86E-07	1.16E-05	7.88E-07	1.43E-06	1.26E-07	2.35E-06	6.10E-07	7.97E-07	5.76E-08	1.46E-06
1380	565709.6	4222367	5.97E-06	7.29E-06	3.84E-07	1.36E-05	3.16E-06	7.99E-06	3.84E-07	1.15E-05	7.83E-07	1.42E-06	1.26E-07	2.33E-06	6.06E-07	7.93E-07	5.73E-08	1.46E-06
1381	565709.6	4222357	5.91E-06	7.22E-06	3.81E-07	1.35E-05	3.14E-06	7.92E-06	3.81E-07	1.14E-05	7.77E-07	1.41E-06	1.25E-07	2.31E-06	6.01E-07	7.86E-07	5.68E-08	1.44E-06
1382	565709.5	4222347	5.84E-06	7.14E-06	3.76E-07	1.34E-05	3.10E-06	7.83E-06	3.76E-07	1.13E-05	7.68E-07	1.39E-06	1.23E-07	2.29E-06	5.94E-07	7.76E-07	5.62E-08	1.43E-06
1383	565709.5	4222337	5.76E-06	7.04E-06	3.71E-07	1.32E-05	3.05E-06	7.71E-06	3.71E-07	1.11E-05	7.57E-07	1.37E-06	1.21E-07	2.25E-06	5.86E-07	7.65E-07	5.54E-08	1.41E-06
1384	565709.5	4222328	5.67E-06	6.92E-06	3.65E-07	1.30E-05	3.00E-06	7.59E-06	3.65E-07	1.10E-05	7.44E-07	1.35E-06	1.19E-07	2.22E-06	5.76E-07	7.53E-07	5.44E-08	1.38E-06
1385	565709.4	4222318	5.56E-06	6.79E-06	3.58E-07	1.27E-05	2.95E-06	7.44E-06	3.58E-07	1.07E-05	7.30E-07	1.33E-06	1.17E-07	2.17E-06	5.65E-07	7.38E-07	5.34E-08	1.36E-06
1386	565709.4	4222308	5.44E-06	6.64E-06	3.50E-07	1.24E-05	2.88E-06	7.28E-06	3.50E-07	1.05E-05	7.14E-07	1.30E-06	1.15E-07	2.13E-06	5.53E-07	7.22E-07	5.22E-08	1.33E-06
1387	565719.5	4222377	5.66E-06	6.92E-06	3.65E-07	1.29E-05	3.00E-06	7.58E-06	3.65E-07	1.10E-05	7.44E-07	1.35E-06	1.19E-07	2.21E-06	5.76E-07	7.52E-07	5.44E-08	1.38E-06
1388	565719.5	4222367	5.63E-06	6.88E-06	3.62E-07	1.29E-05	2.98E-06	7.54E-06	3.62E-07	1.09E-05	7.39E-07	1.34E-06	1.19E-07	2.20E-06	5.72E-07	7.48E-07	5.41E-08	1.37E-06
1389	565719.4	4222357	5.58E-06	6.81E-06	3.59E-07	1.28E-05	2.96E-06	7.47E-06	3.59E-07	1.08E-05	7.33E-07	1.33E-06	1.18E-07	2.18E-06	5.67E-07	7.41E-07	5.36E-08	1.36E-06
1390	565719.4	4222347	5.52E-06	6.74E-06	3.55E-07	1.26E-05	2.92E-06	7.38E-06	3.55E-07	1.07E-05	7.24E-07	1.32E-06	1.16E-07	2.16E-06	5.61E-07	7.33E-07	5.30E-08	1.35E-06
1391	565719.3	4222337	5.44E-06	6.64E-06	3.50E-07	1.24E-05	2.88E-06	7.28E-06	3.50E-07	1.05E-05	7.14E-07	1.30E-06	1.15E-07	2.13E-06	5.53E-07	7.23E-07	5.23E-08	1.33E-06
1392	565719.3	4222328	5.35E-06	6.54E-06	3.44E-07	1.22E-05	2.84E-06	7.16E-06	3.44E-07	1.03E-05	7.03E-07	1.28E-06	1.13E-07	2.09E-06	5.44E-07	7.11E-07	5.14E-08	1.31E-06
1393	565719.3	4222318	5.25E-06	6.41E-06	3.38E-07	1.20E-05	2.78E-06	7.03E-06	3.38E-07	1.02E-05	6.90E-07	1.25E-06	1.11E-07	2.05E-06	5.34E-07	6.98E-07	5.05E-08	1.28E-06
1394	565729.3	4222367	5.32E-06	6.5E-06	3.43E-07	1.22E-05	2.82E-06	7.13E-06	3.43E-07	1.03E-05	6.99E-07	1.27E-06	1.12E-07	2.08E-06	5.41E-07	7.07E-07	5.11E-08	1.30E-06
1395	565729.3	4222357	5.27E-06	6.44E-06	3.39E-07	1.21E-05	2.80E-06	7.06E-06	3.39E-07	1.02E-05	6.93E-07	1.26E-06	1.11E-07	2.06E-06	5.36E-07	7.01E-07	5.07E-08	1.29E-06
1396	565729.2	4222347	5.22E-06	6.37E-06	3.36E-07	1.19E-05	2.77E-06	6.98E-06	3.36E-07	1.01E-05	6.85E-07	1.24E-06	1.10E-07	2.04E-06	5.30E-07	6.93E-07	5.01E-08	1.27E-06
1397	565729.2	4222337	5.14E-06	6.28E-06	3.31E-07	1.18E-05	2.73E-06	6.89E-06	3.31E-07	9.95E-06	6.76E-07	1.23E-06	1.08E-07	2.01E-06	5.23E-07	6.83E-07	4.94E-08	1.26E-06
1398	565729.1	4222328	5.06E-06	6.18E-06	3.26E-07	1.16E-05	2.68E-06	6.78E-06	3.26E-07	9.79E-06	6.65E-07	1.21E-06	1.07E-07	1.98E-06	5.15E-07	6.73E-07	4.87E-08	1.24E-06
1399	565729	4222298	4.77E-06	5.82E-06	3.07E-07	1.09E-05	2.53E-06	6.38E-06	3.07E-07	9.22E-06	6.26E-07	1.14E-06	1.00E-07	1.86E-06	4.84E-07	6.33E-07	4.58E-08	1.16E-06
1400	565739.1	4222357	5E-06	6.1E-06	3.22E-07	1.14E-05	2.65E-06	6.69E-06	3.22E-07	9.66E-06	6.56E-07	1.19E-06	1.05E-07	1.95E-06	5.08E-07	6.64E-07	4.80E-08	1.22E-06
1401	565739.1	4222347	4.94E-06	6.03E-06	3.18E-07	1.13E-05	2.62E-06	6.61E-06	3.18E-07	9.55E-06	6.49E-07	1.18E-06	1.04E-07	1.93E-06	5.02E-07	6.56E-07	4.75E-08	1.21E-06
1402	565739	4222337	4.87E-06	5.95E-06	3.14E-07	1.11E-05	2.58E-06	6.53E-06	3.14E-07	9.42E-06	6.40E-07	1.16E-06	1.03E-07	1.91E-06	4.95E-07	6.48E-07	4.68E-08	1.19E-06
1403	565738.9	4222308	4.63E-06	5.65E-06	2.98E-07	1.06E-05	2.45E-06	6.19E-06	2.98E-07	8.95E-06	6.08E-07	1.10E-06	9.74E-08	1.81E-06	4.70E-07	6.15E-07	4.45E-08	1.13E-06
1404	565738.9	4222298	4.53E-06	5.53E-06	2.91E-07	1.04E-05	2.40E-06	6.06E-06	2.91E-07	8.76E-06	5.95E-07	1.08E-06	9.54E-08	1.77E-06	4.60E-07	6.02E-07	4.35E-08	1.11E-06
1405	565749	4222377	4.81E-06	5.88E-06	3.10E-07	1.10E-05	2.55E-06	6.44E-06	3.10E-07	9.31E-06	6.32E-07	1.15E-06	1.01E-07	1.88E-06	4.89E-07	6.39E-07	4.62E-08	1.17E-06
1406	565748.9	4222347	4.69E-06	5.72E-06	3.02E-07	1.07E-05	2.49E-06	6.28E-06	3.02E-07	9.06E-06	6.16E-07	1.12E-06	9.87E-08	1.83E-06	4.76E-07	6.23E-07	4.50E-08	1.14E-06
1407	565748.8	4222318	4.48E-06	5.47E-06	2.88E-07	1.02E-05	2.38E-06	6.00E-06	2.88E-07	8.67E-06	5.89E-07	1.07E-06	9.44E-08	1.75E-06	4.55E-07	5.95E-07	4.31E-08	1.09E-06
1408	565748.7	4222308	4.4E-06	5.37E-06	2.83E-07	1.01E-05	2.33E-06	5.89E-06	2.83E-07	8.51E-06	5.78E-07	1.05E-06	9.26E-08	1.72E-06	4.47E-07	5.84E-07	4.23E-08	1.07E-06
1409	565748.7	4222298	4.31E-06	5.26E-06	2.77E-07	9.85E-06	2.28E-06	5.77E-06	2.77E-07	8.33E-06	5.66E-07	1.03E-06	9.08E-08	1.68E-06	4.38E-07	5.72E-07	4.14E-08	1.05E-06
1410	565758.9	4222377	4.57E-06	5.59E-06	2.94E-07	1.05E-05	2.42E-06	6.12E-06	2.94E-07	8.84E-06	6.01E-07	1.09E-06	9.63E-08	1.79E-06	4.65E-07	6.08E-07	4.39E-08	1.12E-06
1411	565758.8	4222367	4.54E-06	5.55E-06	2.92E-07	1.04E-05	2.41E-06	6.08E-06	2.92E-07	8.78E-06	5.97E-07	1.08E-06	9.57E-08	1.78E-06	4.62E-07	6.03E-07	4.36E-08	1.11E-06
1412	565758.7	4222327	4.34E-06	5.29E-06	2.79E-07	9.91E-06	2.30E-06	5.80E-06	2.79E-07	8.38E-06	5.69E-07	1.03E-06	9.13E-08	1.69E-06	4.41E-07	5.76E-07	4.17E-08	1.06E-06
1413	565758.6	4222318	4.27E-06	5.21E-06	2.75E-07	9.75E-06	2.26E-06	5.71E-06	2.75E-07	8.25E-06	5.60E-07	1.02E-06	8.98E-08	1.67E-06	4.33E-07	5.67E-07	4.10E-08	1.04E-06
1414	565758.6	4222308	4.19E-06	5.12E-06	2.70E-07	9.57E-06	2.22E-06	5.61E-06	2.70E-07	8.10E-06	5.50E-07	9.99E-07	8.82E-08	1.64E-06	4.26E-07	5.56E-07	4.02E-08	1.02E-06
1415	565758.5	4222298	4.11E-06	5.02E-06	2.64E-07	9.39E-06	2.18E-06	5.50E-06	2.64E-07	7.94E-06	5.39E-07	9.80E-07	8.65E-08	1.61E-06	4.17E-07	5.46E-07	3.95E-08	1.00E-06
1416	565768.7	4222377	4.35E-06	5.31E-06	2.80E-07	9.95E-06	2.31E-06	5.83E-06	2.80E-07	8.41E-06	5.71E-07	1.04E-06	9.16E-08	1.70E-06	4.42E-07	5.78E-07	4.18E-08	1.06E-06
1417	565768.7	4222367	4.32E-06	5.28E-06	2.78E-07	9.88E-06	2.29E-06	5.79E-06	2.78E-07	8.36E-06	5.68E-07	1.03E-06	9.10E-08	1.69E-06	4.39E-07	5.74E-07	4.15E-08	1.05E-06
1418	565768.5	4222327	4.13E-06	5.04E-06	2.66E-07	9.44E-06	2.19E-06	5.53E-06	2.66E-07	7.98E-06	5.42E-07	9.85E-07	8.70E-08	1.61E-06	4.20E-07	5.49E-07	3.97E-08	1.01E-06
1419	565768.5	4222317	4.07E-06	4.97E-06	2.62E-07	9.29E-06	2.16E-06	5.44E-06	2.62E-07	7.86E-06	5.34E-07	9.70E-07	8.56E-08	1.59E-06	4.13E-07	5.40E-07	3.91E-08	9.92E-07
1420	565768.4	4222308	4E-06	4.88E-06	2.57E-07	9.13E-06	2.12E-06	5.35E-06	2.57E-07	7.73E-06	5.25E-07	9.53E-07	8.42E-08	1.56E-06	4.06E-07	5.31E-07	3.84E-08	9.75E-07
1421	565768.4	4222298	3.92E-06	4.79E-06	2.52E-07	8.96E-06	2.08E-06	5.25E-06	2.52E-07	7.58E-06	5.15E-07	9.35E-07	8.26E-08	1.53E-06	3.98E-07	5.21E-07	3.77E-08	9.57E-07
1422	565778.5	4222377	4.15E-06	5.06E-06	2.67E-07	9.48E-06	2.20E-06	5.55E-06	2.67E-07	8.02E-06	5.44E-07	9.89E-07	8.73E-08	1.62E-06	4.21E-07	5.51E-07	3.98E-08	1.01E-06
1423	565778.5	4222367	4.12E-06	5.03E-06	2.65E-07	9.41E-06	2.18E-06	5.51E-06	2.65E-07	7.96E-06	5.41E-07	9.82E-07	8.67E-08	1.61E-06	4.18E-07	5.47E-07	3.96E-08	1.01E-06
1424	565778.5	4222357	4.08E-06	4.99E-06	2.63E-07	9.33E-06	2.16E-06	5.47E-06	2.63E-07	7.89E-06	5.36E-07	9.74E-07	8.60E-08	1.60E-06	4.15E-07	5.42E-07	3.92E-08	9.96E-07
1425	565778.4	4222337	3.99E-06	4.88E-06	2.57E-07	9.13E-06	2.12E-06	5.35E-06	2.57E-07	7.72E-06	5.24E-07	9.53E-07	8.41E-08	1.56E-06	4.06E-07	5.30E-07	3.84E-08	9.75E-07
1426	565778.3	4222327	3.94E-06	4.81E-06	2.54E-07	9.01E-06	2.09E-06	5.28E-06	2.54E-07	7.62E-06	5.17E-07	9.40E-07	8.30E-08	1.54E-06	4.00E-07	5.23E-07	3.79E-08	9.62E-07
1427	565778.3	4222317	3.88E-06	4.74E-06	2.50E-07	8.87E-06	2.06E-06	5.20E-06	2.50E-07	7.51E-06	5.10E-07	9.26E-07	8.18E-08	1.52E-06	3.95E-07	5.16E-07	3.73E-08	9.48E-07

1428	565778.2	4222308	3.82E-06	4.66E-06	2.46E-07	8.73E-06	2.02E-06	5.11E-06	2.46E-07	7.38E-06	5.02E-07	9.11E-07	8.04E-08	1.49E-06	3.88E-07	5.07E-07	3.67E-08	9.32E-07
1429	565778.2	4222298	3.75E-06	4.58E-06	2.41E-07	8.57E-06	1.99E-06	5.02E-06	2.41E-07	7.25E-06	4.92E-07	8.95E-07	7.90E-08	1.47E-06	3.81E-07	4.98E-07	3.60E-08	9.15E-07
1430	565788.4	4222377	3.96E-06	4.83E-06	2.55E-07	9.04E-06	2.10E-06	5.30E-06	2.55E-07	7.65E-06	5.19E-07	9.44E-07	8.33E-08	1.55E-06	4.02E-07	5.25E-07	3.80E-08	9.65E-07
1431	565788.3	4222367	3.93E-06	4.8E-06	2.53E-07	8.98E-06	2.08E-06	5.26E-06	2.53E-07	7.60E-06	5.16E-07	9.37E-07	8.27E-08	1.54E-06	3.99E-07	5.22E-07	3.77E-08	9.59E-07
1432	565788.3	4222357	3.9E-06	4.76E-06	2.51E-07	8.90E-06	2.07E-06	5.22E-06	2.51E-07	7.53E-06	5.12E-07	9.29E-07	8.20E-08	1.52E-06	3.96E-07	5.18E-07	3.74E-08	9.51E-07
1433	565788.3	4222347	3.86E-06	4.71E-06	2.48E-07	8.81E-06	2.04E-06	5.16E-06	2.48E-07	7.46E-06	5.06E-07	9.20E-07	8.12E-08	1.51E-06	3.92E-07	5.12E-07	3.71E-08	9.41E-07
1434	565788.2	4222337	3.81E-06	4.66E-06	2.45E-07	8.71E-06	2.02E-06	5.10E-06	2.45E-07	7.37E-06	5.01E-07	9.09E-07	8.03E-08	1.49E-06	3.87E-07	5.06E-07	3.66E-08	9.30E-07
1435	565788.2	4222327	3.76E-06	4.6E-06	2.42E-07	8.60E-06	2.00E-06	5.04E-06	2.42E-07	7.28E-06	4.94E-07	8.98E-07	7.93E-08	1.47E-06	3.83E-07	5.00E-07	3.62E-08	9.19E-07
1436	565788.1	4222317	3.71E-06	4.53E-06	2.39E-07	8.48E-06	1.97E-06	4.97E-06	2.39E-07	7.18E-06	4.87E-07	8.85E-07	7.82E-08	1.45E-06	3.77E-07	4.93E-07	3.57E-08	9.06E-07
1437	565788.1	4222308	3.65E-06	4.46E-06	2.35E-07	8.35E-06	1.94E-06	4.89E-06	2.35E-07	7.06E-06	4.80E-07	8.72E-07	7.70E-08	1.43E-06	3.71E-07	4.85E-07	3.51E-08	8.92E-07
1438	565788	4222298	3.59E-06	4.38E-06	2.31E-07	8.21E-06	1.90E-06	4.81E-06	2.31E-07	6.94E-06	4.71E-07	8.56E-07	7.56E-08	1.40E-06	3.65E-07	4.77E-07	3.45E-08	8.76E-07
1439	565798.2	4222377	3.87E-06	4.73E-06	2.49E-07	8.85E-06	2.05E-06	5.18E-06	2.49E-07	7.49E-06	5.09E-07	9.24E-07	8.16E-08	1.51E-06	3.94E-07	5.14E-07	3.72E-08	9.45E-07
1440	565798.2	4222367	3.84E-06	4.69E-06	2.47E-07	8.79E-06	2.04E-06	5.15E-06	2.47E-07	7.43E-06	5.05E-07	9.17E-07	8.10E-08	1.50E-06	3.91E-07	5.11E-07	3.69E-08	9.38E-07
1441	565798.1	4222357	3.81E-06	4.65E-06	2.45E-07	8.71E-06	2.02E-06	5.10E-06	2.45E-07	7.36E-06	5.00E-07	9.09E-07	8.02E-08	1.49E-06	3.87E-07	5.06E-07	3.66E-08	9.30E-07
1442	565798.1	4222347	3.77E-06	4.6E-06	2.43E-07	8.62E-06	2.00E-06	5.05E-06	2.43E-07	7.29E-06	4.95E-07	8.99E-07	7.94E-08	1.47E-06	3.83E-07	5.01E-07	3.62E-08	9.20E-07
1443	565798	4222337	3.65E-06	4.45E-06	2.35E-07	8.33E-06	1.93E-06	4.88E-06	2.35E-07	7.05E-06	4.79E-07	8.70E-07	7.68E-08	1.43E-06	3.70E-07	4.84E-07	3.50E-08	8.90E-07
1444	565798	4222327	3.6E-06	4.4E-06	2.32E-07	8.23E-06	1.91E-06	4.82E-06	2.32E-07	6.96E-06	4.73E-07	8.59E-07	7.58E-08	1.41E-06	3.66E-07	4.78E-07	3.46E-08	8.79E-07
1445	565798	4222317	3.55E-06	4.34E-06	2.29E-07	8.12E-06	1.88E-06	4.76E-06	2.29E-07	6.87E-06	4.66E-07	8.47E-07	7.48E-08	1.39E-06	3.61E-07	4.72E-07	3.41E-08	8.67E-07
1446	565797.9	4222307	3.5E-06	4.27E-06	2.25E-07	8.00E-06	1.86E-06	4.68E-06	2.25E-07	6.76E-06	4.59E-07	8.35E-07	7.37E-08	1.37E-06	3.56E-07	4.65E-07	3.36E-08	8.54E-07
1447	565797.9	4222298	3.44E-06	4.2E-06	2.21E-07	7.86E-06	1.82E-06	4.61E-06	2.21E-07	6.65E-06	4.52E-07	8.21E-07	7.24E-08	1.34E-06	3.50E-07	4.57E-07	3.30E-08	8.40E-07
1448	565808.1	4222377	3.7E-06	4.53E-06	2.38E-07	8.47E-06	1.96E-06	4.96E-06	2.38E-07	7.16E-06	4.87E-07	8.84E-07	7.80E-08	1.45E-06	3.77E-07	4.92E-07	3.56E-08	9.04E-07
1449	565808	4222367	3.68E-06	4.49E-06	2.37E-07	8.41E-06	1.95E-06	4.92E-06	2.37E-07	7.11E-06	4.83E-07	8.77E-07	7.75E-08	1.44E-06	3.74E-07	4.89E-07	3.53E-08	8.98E-07
1450	565808	4222357	3.65E-06	4.45E-06	2.35E-07	8.33E-06	1.93E-06	4.88E-06	2.35E-07	7.05E-06	4.79E-07	8.70E-07	7.68E-08	1.43E-06	3.71E-07	4.84E-07	3.50E-08	8.90E-07
1451	565807.9	4222347	3.61E-06	4.41E-06	2.32E-07	8.25E-06	1.91E-06	4.83E-06	2.32E-07	6.98E-06	4.74E-07	8.61E-07	7.60E-08	1.41E-06	3.67E-07	4.79E-07	3.47E-08	8.81E-07
1452	565807.9	4222337	3.57E-06	4.36E-06	2.30E-07	8.15E-06	1.89E-06	4.78E-06	2.30E-07	6.90E-06	4.68E-07	8.51E-07	7.51E-08	1.39E-06	3.62E-07	4.74E-07	3.43E-08	8.71E-07
1453	565807.8	4222327	3.45E-06	4.21E-06	2.22E-07	7.88E-06	1.83E-06	4.62E-06	2.22E-07	6.67E-06	4.53E-07	8.23E-07	7.26E-08	1.35E-06	3.51E-07	4.58E-07	3.31E-08	8.42E-07
1454	565807.8	4222317	3.4E-06	4.16E-06	2.19E-07	7.78E-06	1.80E-06	4.56E-06	2.19E-07	6.58E-06	4.47E-07	8.12E-07	7.17E-08	1.33E-06	3.46E-07	4.52E-07	3.27E-08	8.31E-07
1455	565807.8	4222307	3.35E-06	4.1E-06	2.16E-07	7.66E-06	1.78E-06	4.49E-06	2.16E-07	6.48E-06	4.40E-07	8.00E-07	7.06E-08	1.31E-06	3.41E-07	4.45E-07	3.22E-08	8.18E-07
1456	565807.7	4222298	3.3E-06	4.03E-06	2.12E-07	7.54E-06	1.75E-06	4.42E-06	2.12E-07	6.38E-06	4.33E-07	7.87E-07	6.95E-08	1.29E-06	3.35E-07	4.38E-07	3.17E-08	8.05E-07
1457	565828.1	4222377	3.4E-06	4.15E-06	2.19E-07	7.76E-06	1.80E-06	4.55E-06	2.19E-07	6.57E-06	4.46E-07	8.10E-07	7.15E-08	1.33E-06	3.45E-07	4.51E-07	3.26E-08	8.29E-07
1458	565828	4222367	3.37E-06	4.12E-06	2.17E-07	7.71E-06	1.79E-06	4.52E-06	2.17E-07	6.52E-06	4.43E-07	8.05E-07	7.10E-08	1.32E-06	3.43E-07	4.48E-07	3.24E-08	8.23E-07
1459	565828	4222357	3.35E-06	4.09E-06	2.15E-07	7.65E-06	1.77E-06	4.48E-06	2.15E-07	6.47E-06	4.39E-07	7.98E-07	7.05E-08	1.31E-06	3.40E-07	4.44E-07	3.21E-08	8.17E-07
1460	565827.9	4222347	3.31E-06	4.05E-06	2.13E-07	7.58E-06	1.76E-06	4.44E-06	2.13E-07	6.41E-06	4.35E-07	7.91E-07	6.98E-08	1.30E-06	3.37E-07	4.40E-07	3.18E-08	8.09E-07
1461	565827.9	4222337	3.28E-06	4E-06	2.11E-07	7.49E-06	1.74E-06	4.39E-06	2.11E-07	6.34E-06	4.31E-07	7.82E-07	6.90E-08	1.28E-06	3.33E-07	4.36E-07	3.15E-08	8.00E-07
1462	565827.8	4222327	3.24E-06	3.95E-06	2.08E-07	7.40E-06	1.72E-06	4.33E-06	2.08E-07	6.26E-06	4.25E-07	7.72E-07	6.82E-08	1.27E-06	3.29E-07	4.30E-07	3.11E-08	7.90E-07
1463	565827.8	4222317	3.19E-06	3.9E-06	2.06E-07	7.30E-06	1.69E-06	4.28E-06	2.06E-07	6.17E-06	4.19E-07	7.62E-07	6.72E-08	1.25E-06	3.24E-07	4.24E-07	3.07E-08	7.79E-07
1464	565848	4222357	3.08E-06	3.77E-06	1.99E-07	7.05E-06	1.64E-06	4.13E-06	1.99E-07	5.96E-06	4.05E-07	7.36E-07	6.50E-08	1.21E-06	3.13E-07	4.10E-07	2.96E-08	7.53E-07
1465	565847.9	4222347	3.06E-06	3.73E-06	1.97E-07	6.98E-06	1.62E-06	4.09E-06	1.97E-07	5.91E-06	4.01E-07	7.29E-07	6.43E-08	1.19E-06	3.11E-07	4.06E-07	2.94E-08	7.46E-07
1466	565847.9	4222337	3.02E-06	3.69E-06	1.95E-07	6.91E-06	1.60E-06	4.05E-06	1.95E-07	5.85E-06	3.97E-07	7.21E-07	6.37E-08	1.18E-06	3.07E-07	4.02E-07	2.90E-08	7.38E-07
1467	565847.8	4222307	2.91E-06	3.55E-06	1.87E-07	6.65E-06	1.54E-06	3.89E-06	1.87E-07	5.62E-06	3.82E-07	6.94E-07	6.12E-08	1.14E-06	2.95E-07	3.86E-07	2.79E-08	7.10E-07
1468	565847.7	4222297	2.86E-06	3.5E-06	1.84E-07	6.54E-06	1.52E-06	3.83E-06	1.84E-07	5.54E-06	3.76E-07	6.83E-07	6.03E-08	1.12E-06	2.91E-07	3.80E-07	2.75E-08	6.99E-07
1469	565868.1	4222376	2.89E-06	3.53E-06	1.86E-07	6.61E-06	1.53E-06	3.87E-06	1.86E-07	5.59E-06	3.80E-07	6.90E-07	6.09E-08	1.13E-06	2.94E-07	3.84E-07	2.78E-08	7.06E-07
1470	565868	4222366	2.87E-06	3.51E-06	1.85E-07	6.57E-06	1.52E-06	3.85E-06	1.85E-07	5.56E-06	3.77E-07	6.86E-07	6.05E-08	1.12E-06	2.92E-07	3.82E-07	2.76E-08	7.02E-07
1471	565867.8	4222327	2.77E-06	3.38E-06	1.78E-07	6.32E-06	1.47E-06	3.70E-06	1.78E-07	5.35E-06	3.63E-07	6.60E-07	5.83E-08	1.08E-06	2.81E-07	3.68E-07	2.66E-08	6.75E-07
1472	565867.8	4222317	2.73E-06	3.34E-06	1.76E-07	6.25E-06	1.45E-06	3.66E-06	1.76E-07	5.29E-06	3.59E-07	6.52E-07	5.76E-08	1.07E-06	2.78E-07	3.63E-07	2.63E-08	6.67E-07
1473	565867.8	4222307	2.7E-06	3.3E-06	1.74E-07	6.17E-06	1.43E-06	3.61E-06	1.74E-07	5.22E-06	3.54E-07	6.44E-07	5.68E-08	1.06E-06	2.74E-07	3.59E-07	2.59E-08	6.59E-07
1474	565867.7	4222297	2.66E-06	3.25E-06	1.71E-07	6.08E-06	1.41E-06	3.56E-06	1.71E-07	5.14E-06	3.49E-07	6.35E-07	5.60E-08	1.04E-06	2.70E-07	3.53E-07	2.56E-08	6.49E-07
1475	565888.1	4222376	2.68E-06	3.27E-06	1.72E-07	6.12E-06	1.42E-06	3.59E-06	1.72E-07	5.18E-06	3.52E-07	6.39E-07	5.64E-08	1.05E-06	2.72E-07	3.56E-07	2.57E-08	6.54E-07
1476	565888	4222366	2.66E-06	3.25E-06	1.71E-07	6.09E-06	1.41E-06	3.57E-06	1.71E-07	5.15E-06	3.50E-07	6.35E-07	5.61E-08	1.04E-06	2.71E-07	3.54E-07	2.56E-08	6.50E-07
1477	565888	4222357	2.64E-06	3.23E-06	1.70E-07	6.04E-06	1.40E-06	3.54E-06	1.70E-07	5.11E-06	3.47E-07	6.31E-07	5.57E-08	1.03E-06	2.69E-07	3.51E-07	2.54E-08	6.45E-07
1478	565887.8	4222327	2.57E-06	3.14E-06	1.65E-07	5.88E-06	1.36E-06	3.44E-06	1.65E-07	4.97E-06	3.38E-07	6.13E-07	5.41E-08	1.01E-06	2.61E-07	3.42E-07	2.47E-08	6.28E-07
1479	565887.8	4222317	2.54E-06	3.11E-06	1.64E-07	5.81E-06	1.35E-06	3.41E-06	1.64E-07	4.92E-06	3.34E-07	6.07E-07	5.36E-08	9.94E-07	2.58E-07	3.38E-07	2.44E-08	6.21E-07
1480	565887.8	4222307	2.51E-06	3.07E-06	1.62E-07	5.75E-06	1.33E-06	3.37E-06	1.62E-07	4.86E-06	3.30E-07	6.00E-07	5.29E-08	9.83E-07	2.55E-07	3.34E-07	2.41E-08	6.14E-07
1481	565887.7	4222297	2.48E-06	3.03E-06	1.60E-07	5.67E-06	1.31E-06	3.32E-06	1.60E-07	4.79E-06	3.26E-07	5.92E-07	5.22E-08	9.70E-07	2.52E-07	3.29E-07	2.38E-08	6.05E-07
1482	565907.9	4222385	2.5E-06	3.06E-06	1.61E-07	5.72E-06	1.33E-06	3.35E-06	1.61E-07	4.84E-06	3.29E-07	5.97E-07	5.27E-08	9.79E-07	2.54E-07	3.33E-07	2.41E-08	6.11E-07
1483	565908.1	4222376	2.49E-06	3.04E-06	1.60E-07	5.69E-06	1.32E-06	3.33E-06	1.60E-07	4.81E-06	3.27E-07	5.94E-07	5.24E-08	9.74E-07	2.53E-07	3.31E-07	2.39E-08	6.08E-07
1484	565908	4222366	2.47E-06	3.02E-06	1.59E-07	5.66E-06	1.31E-06	3.31E-06	1.59E-07	4.78E-06	3.25E-07	5.90E-07	5.21E-08	9.68E-07	2.51E-07	3.29E-07	2.38E-08	6.04E-07
1485	565908	4222356	2.46E-06	3E-06	1.58E-07	5.62E-06	1.30E-06	3.29E-06	1.58E-07	4.76E-06	3.23E-07	5.87E-07	5.18E-08	9.62E-07	2.50E-07	3.27E-07	2.36E-08	6.00E-07
1486	565907.9	4222347	2.44E-06	2.98E-06	1.57E-07	5.58E-06	1.29E-06	3.27E-06	1.57E-07	4.72E-06	3.21E-07	5.83E-07	5.14E-08	9.55E-07	2.48E-07	3.24E-07	2.35E-08	5.96E-07
1487	565907.9	4222337	2.42E-06	2.96E-06	1.56E-07	5.54E-06	1.28E-06	3.24E-06	1.56E-07	4.68E-06	3.18E-07	5.78E-07	5.10E-08	9.47E-07	2.46E-07	3.22E-07	2.33E-08	5.91E-07
1488	565907.8	4222327	2.4E-06	2.93E-06	1.54E-07	5.48E-06	1.27E-06	3.21E-06	1.54E-07	4.64E-06	3.15E-07	5.72E-07	5.05E-08	9.38E-07	2.44E-07	3.19E-07	2.30E-08	5.85E-07
1489	565907.7	4222297	2.31E-06	2.83E-06	1.49E-07	5.29E-06	1.23E-06	3.10E-06	1.49E-07	4.48E-06	3.04E-07	5.52E-07	4.87E-08	9.05E-07	2.35E-07	3.07E-07	2.22E-08	5.65E-07
1490	565927.9	4222385	2.34E-06	2.86E-06	1.51E-07	5.35E-06	1.24E-06	3.13E-06	1.51E-07	4.52E-06	3.07E-07	5.58E-07	4.93E-08	9.15E-07	2.38E-07	3.11E-07	2.25E-08	5.71E-07
1491	565928.1	4222376	2.33E-06	2.84E-06	1.50E-07	5.32E-06	1.23E-06	3.11E-06	1.50E-07	4.50E-06	3.05E-07	5.55E-07	4.90E-08	9.09E-07	2.36E-07	3.09E-07	2.23E-08	5.68E-07
1492	565928	4222366	2.31E-06	2.82E-06	1.49E-07	5.28E-06	1.23E-06	3.09E-06	1.49E-07	4.47E-06	3.04E-07	5.51E-07	4.87E-08	9.04E-07	2.35E-07	3.07E-07	2.22E-08	5.64E-07
1493	565928	4222356	2.3E-06	2.81E-06	1.48E-07	5.25E-06	1.22E-06	3.08E-06	1.48E-07	4.44E-06	3.02E-07	5.48E-07	4.84E-08	8.98E-07	2.33E-07	3.05E-07	2.21E-08	5.61E-07
1494	565927.9	4222346	2.28E-06	2.78E-06	1.47E-07	5.21E-06	1.21E-06	3.05E-06	1.47E-07	4.41E-06	2.99E-07	5.44E-07	4.80E-08	8.92E-07	2.32E-07	3.03E-07	2.19E-08	5.57E-07
1495	565927.9	4222337	2.26E-06	2.76E-06	1.46E-07	5.17E-06	1.20E-06	3.03E-06	1.46E-07	4.37E-06	2.97E-07	5.40E-07	4.76E-08	8.84E-07	2.30E-07	3.00E-07	2.17E-08	5.52E-07
1496	565927.8	4222327	2.24E-06	2.74E-06	1.44E-07	5.12E-06	1.19E-06	3.00E-06	1.44E-07	4.33E-06	2.94E-07	5.34E-07	4.72E-08	8.76E-07	2.28E-07	2.98E-07	2.15E-08	5.47E-07
1497	565927.8	4222317	2.22E-06	2.71E-06	1.43E-07	5.07E-06	1.18E-06	2.97E-06	1.43E-07	4.29E-06	2.91E-07	5.29E-07	4.67E-08	8.67E-07	2.25E-07	2.94E-07	2.13E-08	5.41E-07
1498	565927.8	4222307	2.19E-06	2.68E-06	1.41E-07	5.01E-06	1.16E-06	2.93E-06	1.41E-07	4.24E-06	2.88E-07	5.23E-07	4.62E-08	8.57E-07	2.23E-07	2.91E-07	2.11E-08	5.35E-07
1499	565947.9	4222386	2.19E-06	2.68E-06	1.41E-07	5.01E-06	1.16E-06	2.93E-06	1.41E-07	4.24E-06	2.88E-07	5.23E-07	4.62E-08	8.57E-07	2.23E-07	2.91E-07	2.11E-08	5.35E-07
1500	565948.1	4222376	2.18E-06	2.66E-06	1.40E-07	4.98E-06	1.15E-06	2.92E-06	1.40E-07	4.21E-06	2.86E-07	5.20E-07	4.59E-08	8.52E-07	2.21E-07	2.89E-07	2.09E-08	5.32E-07
1501	565948	4222366	2.16E-06	2.64E-06	1.39E-07	4.95E-06	1.15E-06	2.90E-06	1.39E-07	4.19E-06	2.84E-07	5.16E-07	4.56E-08	8.46E-07	2.20E-07	2.88E-07	2.08E-08	5.28E-07
1502	565948	4222356	2.15E-06	2.63E-06	1.38E-07	4.91E-06	1.14E-06	2.88E-06	1.38E-07	4.16E-06	2.82E-07	5.13E-07	4.53E-08	8.41E-07	2.18E-07	2.86E-07	2.07E-08	5.25E-07
1503	565947.9	4222346	2.13E-06	2.61E-06	1.37E-07	4.88E-06	1.13E-06	2.86E-06	1.37E-07	4.12E-06	2.80E-07	5.09E-07	4.49E-08	8.34E-07	2.17E-07	2.83E-07	2.05E-08	5.21E-07
1504	565947.9	4222336	2.12E-06	2.58E-06	1.36E-07	4.84E-06	1.12E-06	2.83E-06	1.36E-07	4.09E-06	2.78E-07	5.05E-07	4.46E-08	8.27E-07	2.15E-07	2.81E-07	2.03E-08	5.16E-07
1505	565947.8	4222327	2.1E-06	2.56E-06	1.35E-07	4.79E-06	1.11E-06	2.81E-06	1.35E-07	4.05E-06	2.75E-07	5.00E-07	4.41E-08	8.19E-07	2.13E-07	2.78E-07	2.01E-08	5.12E-07
1506	565947.8	4222317	2.08E-06	2.53E-06	1.34E-07	4.74E-06	1.10E-06	2.78E-06	1.34E-07	4.01E-06	2.73E-07	4.95E-07	4.37E-08	8.11E-07	2.11E-07	2.76E-07	1.99E-08	5.06E-07
1507	565947.8	4222307	2.05E-06	2.51E-06	1.32E-07	4.69E-06	1.09E-06	2.75E-06	1.32E-07	3.97E-06	2.70E-07	4.90E-07	4.32E-08	8.03E-07	2.09E-07	2.73E-07	1.97E-08	5.01E-07
1508	565947.7	4222297	2.03E-06	2.48E-06	1.31E-07	4.64E-06	1.08E-06	2.72E-06	1.31E-07	3.92E-06	2.66E-07	4.84E-07	4.27E-08	7.93E-07	2.06E-07	2.70E-07	1.95E-08	4.95E-07
1509	565967.9	4222383	2.05E-06	2.5E-06	1.32E-07	4.68E-06	1.09E-06	2.74E-06	1.32E-07	3.96E-06	2.69E-07	4.88E-07	4.31E-08	8.00E-07	2.08E-07	2.72E-07	1.97E-08	5.00E-07
1510	565968	4222366	2.03E-06	2.48E-06	1.30E-07	4.63E-06	1.07E-06	2.71E-06	1.30E-07	3.92E-06	2.66E-07	4.84E-07	4.27E-08	7.92E-07	2.06E-07	2.69E-07	1.95E-08	4.95E-07
1511	565968	4222356	2.01E-06	2.46E-06	1.30E-07	4.60E-06	1.07E-06	2.70E-06	1.30E-07	3.89E-06	2.64E-07	4.80E-07	4.24E-08	7.87E-07	2.05E-07	2.67E-07	1.93E-08	4.91E-07
1512	565967.9	4222346	2E-06	2.44E-06	1.29E-07	4.57E-06	1.06E-06	2.68E-06	1.29E-07	3.86E-06	2.62E-07	4.77E-07	4.21E-08	7.81E-07	2.03E-07	2.65E-07	1.92E-08	4.88E-07
1513	565967.9	4222336	1.98E-06	2.42E-06	1.28E-07	4.53E-06	1.05E-06	2.65E-06	1.28E-07	3.83E-06	2.60E-07	4.73E-07	4.17E-08	7.75E-07	2.01E-07	2.63E-07	1.90E-08	4.84E-07
1514	565967.8	4222327	1.96E-06	2.4E-06	1.26E-07	4.49E-06	1.04E-06	2.63E-06	1.26E-07	3.80E-06	2.58E-07	4.69E-07	4.14E-08	7.68E-07	2.00E-07	2.61E-07	1.89E-08	4.80E-07
1515	565967.8	4222317	1.95E-06	2.38E-06	1.25E-07	4.45E-06	1.03E-06	2.61E-06	1.25E-07	3.76E-06	2.56E-07	4.64E-07	4.10E-08	7.61E-07	1.98E-07	2.59E-07	1.87E-08	4.75E-07
1516	565967.8	4222307	1.93E-06	2.35E-06	1.24E-07	4.40E-06	1.02E-06	2.58E-06	1.24E-07	3.72E-06	2.53E-07	4.60E-07	4.06E-08	7.53E-07	1.96E-07	2.56E-07	1.85E-08	4.70E-07
1517	565967.7	4222297	1.91E-06	2.33E-06	1.23E-07	4.35E-06	1.01E-06	2.55E-06	1.23E-07	3.68E-06	2.50E-07	4.55E-07	4.01E-08	7.45E-07	1.94E-07	2.53E-07	1.83E-08	4.65E-07
1518	565987.9	4222383	1.93E-06	2.35E-06	1.24E-07	4.40E-06	1.02E-06	2.58E-06	1.24E-07	3.72E-06	2.53E-07	4.60E-07	4.06E-08	7.53E-07	1.96E-07	2.56E-07	1.85E-08	4.70E-07
1519	565988	4222366	1.91E-06	2.33E-06	1.23E-07	4.36E-06	1.01E-06	2.55E-06	1.23E-07	3.69E-06	2.50E-07	4.55E-07	4.02E-08	7.46E-07	1.94E-07	2.53E-07	1.83E-08	4.65E-07
1520	565988	4222356	1.89E-06	2.31E-06	1.22E-07	4.33E-06	1.00E-06	2.54E-06	1.22E-07	3.66E-06	2.49E-07	4.52E-07	3.99E-08	7.41E-07	1.93E-07	2.52E-07	1.82E-08	4.62E-07
1521	565987.9	4222346	1.88E-06	2.3E-06	1.21E-07	4.30E-06	9.97E-07	2.52E-06	1.21E-07	3.64E-06	2.47E-07	4.49E-07	3.96E-08	7.36E-07	1.91E-07	2.50E-07	1.81E-08	4.59E-07
1522	565987.9	4222336	1.87E-06	2.28E-06	1.20E-07	4.27E-06	9.90E-07	2.50E-06	1.20E-07	3.61E-06	2.45E-07	4.45E-07	3.93E-08	7.30E-07	1.90E-07	2.48E-07	1.79E-08	4.56E-07
1523	565987.8	4222326	1.85E-06	2.26E-06	1.19E-07	4.23E-06	9.81E-07	2.48E-06	1.19E-07	3.58E-06	2.43E-07	4.42E-07	3.90E-08	7.24E-07	1.88E-07	2.46E-07	1.78E-08	4.52E-07
1524	565987.8	4222317	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.72E-07	2.46E-06	1.18E-07	3.55E-06	2.41E-07	4.38E-07	3.86E-08	7.17E-07	1.86E-07	2.44E-07	1.76E-08	4.48E-07
1525	565987.8	4222307	1.82E-06	2.22E-06	1.17E-07	4.15E-06	9.63E-07	2.43E-06	1.17E-07	3.51E-06	2.39E-07	4.33E-07	3.83E-08	7.10E-07	1.85E-07	2.41E-07	1.75E-08	4.43E-07
1526	565987.7	4222297	1.8E-06	2.2E-06	1.16E-07	4.11E-06	9.53E-07	2.41E-06	1.16E-07	3.48E-06	2.36E-07	4.29E-07	3.79E-08	7.03E-07	1.83E-07	2.39E-07	1.73E-08	4.39E-07
1527	566007.9	4222383	1.82E-06	2.22E-06	1.17E-07	4.15E-06	9.63E-07	2.43E-06	1.17E-07	3.51E-06	2.39E-07	4.33E-07	3.83E-08	7.10E-07	1.85E-07	2.41E-07	1.75E-08	4.43E-07
1528	566008	4222366	1.8E-06	2.2E-06	1.16E-07	4.11E-06	9.54E-07	2.41E-06	1.16E-07	3.48E-06	2.36E-07	4.29E-07	3.79E-08	7.03E-07	1.83E-07	2.39E-07	1.73E-08	4.39E-07
1529	566008	4222356	1.79E-06	2.18E-06	1.15E-07	4.09E-06	9.48E-07	2.39E-06	1.15E-07	3.46E-06	2.35E-07	4.27E-07	3.76E-08	6.99E-07	1.82E-07	2.37E-07	1.72E-08	4.36E-07
1530	566007.9	4222346	1.78E-06	2.17E-06	1.14E-07	4.06E-06	9.41E-07	2.38E-06	1.14E-07	3.43E-06	2.33E-07	4.24E-07	3.74E-08	6.94E-07	1.80E-07	2.36E-07	1.71E-08	4.33E-07
1531	566007.9	4222336	1.76E-06	2.15E-06	1.13E-07	4.03E-06	9.34E-07	2.36E-06	1.13E-07	3.41E-06	2.31E-07	4.20E-07	3.71E-08	6.89E-07	1.79E-07	2.34E-07	1.69E-08	4.30E-07
1532	566007.8	4222326	1.75E-06	2.13E-06	1.13E-07	4.00E-06	9.27E-07	2.34E-06	1.13E-07	3.38E-06	2.30E-07	4.17E-07	3.68E-08	6.83E-07	1.78E-07	2.32E-07	1.68E-08	4.27E-07
1533	566007.8	4222316	1.73E-06	2.12E-06	1.12E-07	3.96E-06	9.19E-07	2.32E-06	1.12E-07	3.35E-06	2.28E-07	4.13E-07	3.65E-08	6.77E-07	1.76E-07	2.30E-07	1.66E-08	4.23E-07
1534	566007.8	4222307	1.72E-06	2.1E-06	1.10E-07	3.92E-06	9.10E-07	2.30E-06	1.10E-07	3.32E-06	2.25E-07	4.10E-07	3.62E-08	6.71E-07	1.74E-07	2.28E-07	1.65E-08	4.19E-07
1535	566007.7	4222297	1.7E-06	2.08E-06	1.09E-07	3.88E-06	9.01E-07	2.28E-06	1.09E-07	3.29E-06	2.23E-07	4.06E-07	3.58E-08	6.65E-07	1.73E-07	2.26E-07	1.63E-08	4.15E-07
1536	566027.9	4222383	1.71E-06	2.09E-06	1.10E-07	3.91E-06	9.07E-07	2.29E-06	1.10E-07	3.31E-06	2.25E-07	4.08E-07	3.60E-08	6.69E-07	1.74E-07	2.27E-07	1.64E-08	4.18E-07
1537	566028	4222366	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.98E-07	2.27E-06	1.09E-07	3.28E-06	2.23E-07	4.04E-07	3.57E-08	6.62E-07	1.72E-07	2.25E-07	1.63E-08	4.14E-07

1538	566028	4222356	1.68E-06	2.06E-06	1.08E-07	3.85E-06	8.93E-07	2.25E-06	1.08E-07	3.26E-06	2.21E-07	4.02E-07	3.55E-08	6.58E-07	1.71E-07	2.24E-07	1.62E-08	4.11E-07
1539	566027.9	4222346	1.67E-06	2.04E-06	1.08E-07	3.82E-06	8.87E-07	2.24E-06	1.08E-07	3.23E-06	2.20E-07	3.99E-07	3.52E-08	6.54E-07	1.70E-07	2.22E-07	1.61E-08	4.08E-07
1540	566027.9	4222336	1.66E-06	2.03E-06	1.07E-07	3.80E-06	8.81E-07	2.22E-06	1.07E-07	3.21E-06	2.18E-07	3.96E-07	3.50E-08	6.49E-07	1.69E-07	2.21E-07	1.60E-08	4.05E-07
1541	566027.8	4222326	1.65E-06	2.01E-06	1.06E-07	3.77E-06	8.74E-07	2.21E-06	1.06E-07	3.19E-06	2.16E-07	3.93E-07	3.47E-08	6.44E-07	1.68E-07	2.19E-07	1.58E-08	4.02E-07
1542	566047.9	4222384	1.62E-06	1.97E-06	1.04E-07	3.70E-06	8.57E-07	2.16E-06	1.04E-07	3.13E-06	2.12E-07	3.86E-07	3.41E-08	6.32E-07	1.64E-07	2.15E-07	1.55E-08	3.95E-07
1543	566048	4222366	1.6E-06	1.95E-06	1.03E-07	3.65E-06	8.47E-07	2.14E-06	1.03E-07	3.09E-06	2.10E-07	3.81E-07	3.37E-08	6.25E-07	1.62E-07	2.12E-07	1.54E-08	3.90E-07
1544	566047.8	4222326	1.56E-06	1.91E-06	1.01E-07	3.57E-06	8.28E-07	2.09E-06	1.01E-07	3.02E-06	2.05E-07	3.73E-07	3.29E-08	6.11E-07	1.59E-07	2.07E-07	1.50E-08	3.81E-07
1545	566047.8	4222316	1.55E-06	1.89E-06	9.97E-08	3.54E-06	8.21E-07	2.07E-06	9.97E-08	3.00E-06	2.03E-07	3.70E-07	3.26E-08	6.06E-07	1.57E-07	2.06E-07	1.49E-08	3.78E-07
1546	566047.8	4222306	1.54E-06	1.88E-06	9.89E-08	3.51E-06	8.14E-07	2.06E-06	9.89E-08	2.97E-06	2.02E-07	3.66E-07	3.23E-08	6.01E-07	1.56E-07	2.04E-07	1.48E-08	3.75E-07
1547	566047.7	4222297	1.52E-06	1.86E-06	9.79E-08	3.48E-06	8.06E-07	2.04E-06	9.79E-08	2.94E-06	2.00E-07	3.63E-07	3.20E-08	5.94E-07	1.55E-07	2.02E-07	1.46E-08	3.71E-07
1548	566068	4222366	1.51E-06	1.84E-06	9.72E-08	3.45E-06	8.01E-07	2.02E-06	9.72E-08	2.92E-06	1.98E-07	3.60E-07	3.18E-08	5.90E-07	1.53E-07	2.01E-07	1.45E-08	3.69E-07
1549	566068	4222356	1.51E-06	1.84E-06	9.69E-08	3.44E-06	7.98E-07	2.02E-06	9.69E-08	2.91E-06	1.98E-07	3.59E-07	3.17E-08	5.89E-07	1.53E-07	2.00E-07	1.45E-08	3.68E-07
1550	566067.9	4222346	1.5E-06	1.83E-06	9.66E-08	3.43E-06	7.95E-07	2.01E-06	9.66E-08	2.90E-06	1.97E-07	3.58E-07	3.16E-08	5.87E-07	1.52E-07	1.99E-07	1.44E-08	3.66E-07
1551	566067.9	4222336	1.49E-06	1.82E-06	9.61E-08	3.41E-06	7.92E-07	2.00E-06	9.61E-08	2.89E-06	1.96E-07	3.56E-07	3.15E-08	5.84E-07	1.52E-07	1.98E-07	1.43E-08	3.65E-07
1552	566067.8	4222326	1.48E-06	1.81E-06	9.54E-08	3.39E-06	7.86E-07	1.98E-06	9.54E-08	2.87E-06	1.95E-07	3.54E-07	3.12E-08	5.80E-07	1.51E-07	1.97E-07	1.42E-08	3.62E-07
1553	566067.8	4222316	1.47E-06	1.8E-06	9.46E-08	3.36E-06	7.80E-07	1.97E-06	9.46E-08	2.84E-06	1.93E-07	3.51E-07	3.10E-08	5.75E-07	1.49E-07	1.95E-07	1.41E-08	3.59E-07
1554	566067.8	4222306	1.46E-06	1.78E-06	9.38E-08	3.33E-06	7.73E-07	1.95E-06	9.38E-08	2.82E-06	1.91E-07	3.48E-07	3.07E-08	5.70E-07	1.48E-07	1.94E-07	1.40E-08	3.56E-07
1555	566067.7	4222296	1.44E-06	1.76E-06	9.28E-08	3.30E-06	7.64E-07	1.93E-06	9.28E-08	2.79E-06	1.89E-07	3.44E-07	3.04E-08	5.64E-07	1.47E-07	1.92E-07	1.39E-08	3.52E-07
1556	566087.9	4222384	1.44E-06	1.76E-06	9.29E-08	3.30E-06	7.65E-07	1.93E-06	9.29E-08	2.79E-06	1.90E-07	3.44E-07	3.04E-08	5.64E-07	1.47E-07	1.92E-07	1.39E-08	3.52E-07
1557	566088	4222366	1.43E-06	1.74E-06	9.19E-08	3.27E-06	7.57E-07	1.91E-06	9.19E-08	2.76E-06	1.88E-07	3.41E-07	3.01E-08	5.59E-07	1.45E-07	1.90E-07	1.37E-08	3.49E-07
1558	566088	4222356	1.42E-06	1.74E-06	9.17E-08	3.26E-06	7.55E-07	1.91E-06	9.17E-08	2.75E-06	1.87E-07	3.40E-07	3.00E-08	5.57E-07	1.45E-07	1.89E-07	1.37E-08	3.48E-07
1559	566087.9	4222346	1.42E-06	1.73E-06	9.14E-08	3.25E-06	7.53E-07	1.90E-06	9.14E-08	2.75E-06	1.87E-07	3.39E-07	2.99E-08	5.55E-07	1.44E-07	1.89E-07	1.36E-08	3.47E-07
1560	566087.9	4222336	1.41E-06	1.73E-06	9.10E-08	3.23E-06	7.50E-07	1.89E-06	9.10E-08	2.73E-06	1.86E-07	3.37E-07	2.98E-08	5.53E-07	1.44E-07	1.88E-07	1.36E-08	3.45E-07
1561	566087.8	4222326	1.4E-06	1.71E-06	9.02E-08	3.20E-06	7.43E-07	1.88E-06	9.02E-08	2.71E-06	1.84E-07	3.34E-07	2.95E-08	5.48E-07	1.42E-07	1.86E-07	1.35E-08	3.42E-07
1562	566087.8	4222316	1.39E-06	1.7E-06	8.94E-08	3.17E-06	7.36E-07	1.86E-06	8.94E-08	2.68E-06	1.82E-07	3.31E-07	2.92E-08	5.43E-07	1.41E-07	1.84E-07	1.33E-08	3.39E-07
1563	566087.8	4222306	1.37E-06	1.68E-06	8.85E-08	3.14E-06	7.29E-07	1.84E-06	8.85E-08	2.66E-06	1.80E-07	3.28E-07	2.89E-08	5.37E-07	1.40E-07	1.83E-07	1.32E-08	3.35E-07
1564	566087.7	4222296	1.36E-06	1.66E-06	8.75E-08	3.11E-06	7.20E-07	1.82E-06	8.75E-08	2.63E-06	1.78E-07	3.24E-07	2.86E-08	5.31E-07	1.38E-07	1.81E-07	1.31E-08	3.32E-07
1565	566107.9	4222384	1.37E-06	1.67E-06	8.81E-08	3.13E-06	7.26E-07	1.83E-06	8.81E-08	2.65E-06	1.80E-07	3.27E-07	2.88E-08	5.35E-07	1.39E-07	1.82E-07	1.32E-08	3.34E-07
1566	566108	4222365	1.35E-06	1.65E-06	8.71E-08	3.09E-06	7.17E-07	1.81E-06	8.71E-08	2.62E-06	1.78E-07	3.23E-07	2.85E-08	5.29E-07	1.37E-07	1.80E-07	1.30E-08	3.30E-07
1567	566108	4222356	1.35E-06	1.65E-06	8.68E-08	3.08E-06	7.15E-07	1.80E-06	8.68E-08	2.61E-06	1.77E-07	3.22E-07	2.84E-08	5.27E-07	1.37E-07	1.79E-07	1.30E-08	3.29E-07
1568	566107.9	4222346	1.34E-06	1.64E-06	8.64E-08	3.07E-06	7.12E-07	1.80E-06	8.64E-08	2.60E-06	1.76E-07	3.20E-07	2.83E-08	5.25E-07	1.36E-07	1.78E-07	1.29E-08	3.28E-07
1569	566107.9	4222336	1.34E-06	1.63E-06	8.60E-08	3.05E-06	7.08E-07	1.79E-06	8.60E-08	2.58E-06	1.75E-07	3.19E-07	2.81E-08	5.22E-07	1.36E-07	1.77E-07	1.28E-08	3.26E-07
1570	566107.8	4222326	1.32E-06	1.62E-06	8.51E-08	3.02E-06	7.01E-07	1.77E-06	8.51E-08	2.56E-06	1.74E-07	3.16E-07	2.79E-08	5.17E-07	1.34E-07	1.76E-07	1.27E-08	3.23E-07
1571	566107.8	4222316	1.31E-06	1.6E-06	8.43E-08	2.99E-06	6.94E-07	1.75E-06	8.43E-08	2.53E-06	1.72E-07	3.12E-07	2.76E-08	5.12E-07	1.33E-07	1.74E-07	1.26E-08	3.20E-07
1572	565571.6	4222289	1.48E-05	1.81E-05	9.55E-07	3.39E-05	7.87E-06	1.99E-05	9.55E-07	2.87E-05	1.95E-06	3.54E-06	3.13E-07	5.80E-06	1.51E-06	1.97E-06	1.43E-07	3.62E-06
1573	565571.6	4222280	1.4E-05	1.71E-05	9.03E-07	3.21E-05	7.44E-06	1.88E-05	9.03E-07	2.71E-05	1.84E-06	3.35E-06	2.96E-07	5.49E-06	1.43E-06	1.86E-06	1.35E-07	3.43E-06
1574	565571.5	4222270	1.32E-05	1.61E-05	8.47E-07	3.01E-05	6.98E-06	1.76E-05	8.47E-07	2.55E-05	1.73E-06	3.14E-06	2.77E-07	5.15E-06	1.34E-06	1.75E-06	1.26E-07	3.21E-06
1575	565571.5	4222261	1.23E-05	1.5E-05	7.89E-07	2.80E-05	6.50E-06	1.64E-05	7.89E-07	2.37E-05	1.61E-06	2.92E-06	2.58E-07	4.79E-06	1.25E-06	1.63E-06	1.18E-07	2.99E-06
1576	565571.5	4222252	1.13E-05	1.38E-05	7.30E-07	2.59E-05	6.01E-06	1.52E-05	7.30E-07	2.19E-05	1.49E-06	2.70E-06	2.39E-07	4.43E-06	1.15E-06	1.51E-06	1.09E-07	2.77E-06
1577	565571.5	4222242	1.04E-05	1.27E-05	6.71E-07	2.38E-05	5.53E-06	1.40E-05	6.71E-07	2.02E-05	1.37E-06	2.49E-06	2.20E-07	4.08E-06	1.06E-06	1.39E-06	1.00E-07	2.55E-06
1578	565571.4	4222233	9.56E-06	1.17E-05	6.15E-07	2.18E-05	5.07E-06	1.28E-05	6.15E-07	1.85E-05	1.25E-06	2.28E-06	2.01E-07	3.74E-06	9.71E-07	1.27E-06	9.18E-08	2.33E-06
1579	565581.4	4222289	1.33E-05	1.63E-05	8.58E-07	3.05E-05	7.07E-06	1.78E-05	8.58E-07	2.58E-05	1.75E-06	3.18E-06	2.81E-07	5.21E-06	1.35E-06	1.77E-06	1.28E-07	3.25E-06
1580	565581.4	4222280	1.26E-05	1.54E-05	8.13E-07	2.89E-05	6.70E-06	1.69E-05	8.13E-07	2.44E-05	1.66E-06	3.02E-06	2.66E-07	4.94E-06	1.28E-06	1.68E-06	1.21E-07	3.08E-06
1581	565581.4	4222270	1.19E-05	1.45E-05	7.66E-07	2.72E-05	6.31E-06	1.59E-05	7.66E-07	2.30E-05	1.56E-06	2.84E-06	2.51E-07	4.65E-06	1.21E-06	1.58E-06	1.14E-07	2.91E-06
1582	565581.3	4222261	1.11E-05	1.36E-05	7.17E-07	2.55E-05	5.91E-06	1.49E-05	7.17E-07	2.15E-05	1.46E-06	2.66E-06	2.35E-07	4.36E-06	1.13E-06	1.48E-06	1.07E-07	2.72E-06
1583	565581.3	4222252	1.04E-05	1.27E-05	6.67E-07	2.37E-05	5.50E-06	1.39E-05	6.67E-07	2.00E-05	1.36E-06	2.47E-06	2.18E-07	4.05E-06	1.05E-06	1.38E-06	9.96E-08	2.53E-06
1584	565581.3	4222242	9.61E-06	1.17E-05	6.19E-07	2.20E-05	5.10E-06	1.29E-05	6.19E-07	1.86E-05	1.26E-06	2.29E-06	2.02E-07	3.76E-06	9.77E-07	1.28E-06	9.23E-08	2.35E-06
1585	565581.3	4222233	8.87E-06	1.08E-05	5.71E-07	2.03E-05	4.70E-06	1.19E-05	5.71E-07	1.72E-05	1.17E-06	2.12E-06	1.87E-07	3.47E-06	9.02E-07	1.18E-06	8.53E-08	2.17E-06
1586	565591.3	4222289	1.21E-05	1.48E-05	7.78E-07	2.76E-05	6.40E-06	1.62E-05	7.78E-07	2.34E-05	1.59E-06	2.88E-06	2.54E-07	4.72E-06	1.23E-06	1.60E-06	1.16E-07	2.95E-06
1587	565591.2	4222280	1.15E-05	1.4E-05	7.39E-07	2.63E-05	6.09E-06	1.54E-05	7.39E-07	2.22E-05	1.51E-06	2.74E-06	2.42E-07	4.49E-06	1.17E-06	1.53E-06	1.10E-07	2.80E-06
1588	565591.2	4222270	1.09E-05	1.33E-05	6.99E-07	2.48E-05	5.76E-06	1.45E-05	6.99E-07	2.10E-05	1.43E-06	2.59E-06	2.29E-07	4.25E-06	1.10E-06	1.44E-06	1.04E-07	2.65E-06
1589	565591.2	4222261	1.02E-05	1.25E-05	6.57E-07	2.33E-05	5.41E-06	1.37E-05	6.57E-07	1.97E-05	1.34E-06	2.44E-06	2.15E-07	3.99E-06	1.04E-06	1.36E-06	9.81E-08	2.49E-06
1590	565591.2	4222252	9.56E-06	1.17E-05	6.15E-07	2.18E-05	5.07E-06	1.28E-05	6.15E-07	1.85E-05	1.26E-06	2.28E-06	2.01E-07	3.74E-06	9.71E-07	1.27E-06	9.18E-08	2.33E-06
1591	565591.1	4222242	8.91E-06	1.09E-05	5.74E-07	2.04E-05	4.72E-06	1.19E-05	5.74E-07	1.72E-05	1.17E-06	2.13E-06	1.88E-07	3.48E-06	9.06E-07	1.18E-06	8.56E-08	2.18E-06
1592	565591.1	4222233	8.28E-06	1.01E-05	5.33E-07	1.89E-05	4.39E-06	1.11E-05	5.33E-07	1.60E-05	1.09E-06	1.98E-06	1.74E-07	3.24E-06	8.42E-07	1.10E-06	7.96E-08	2.02E-06
1593	565601.1	4222289	1.1E-05	1.35E-05	7.10E-07	2.52E-05	5.84E-06	1.48E-05	7.10E-07	2.13E-05	1.45E-06	2.63E-06	2.32E-07	4.31E-06	1.12E-06	1.46E-06	1.06E-07	2.69E-06
1594	565601.1	4222280	1.05E-05	1.28E-05	6.77E-07	2.40E-05	5.57E-06	1.41E-05	6.77E-07	2.03E-05	1.38E-06	2.51E-06	2.21E-07	4.11E-06	1.07E-06	1.40E-06	1.01E-07	2.57E-06
1595	565601	4222270	9.97E-06	1.22E-05	6.42E-07	2.28E-05	5.29E-06	1.34E-05	6.42E-07	1.93E-05	1.31E-06	2.38E-06	2.10E-07	3.90E-06	1.01E-06	1.32E-06	9.58E-08	2.43E-06
1596	565601	4222261	9.42E-06	1.15E-05	6.06E-07	2.15E-05	4.99E-06	1.26E-05	6.06E-07	1.82E-05	1.24E-06	2.25E-06	1.98E-07	3.68E-06	9.57E-07	1.25E-06	9.05E-08	2.30E-06
1597	565601	4222251	8.86E-06	1.08E-05	5.70E-07	2.02E-05	4.70E-06	1.19E-05	5.70E-07	1.71E-05	1.16E-06	2.11E-06	1.87E-07	3.46E-06	9.00E-07	1.18E-06	8.51E-08	2.16E-06
1598	565601	4222242	8.3E-06	1.01E-05	5.34E-07	1.90E-05	4.40E-06	1.11E-05	5.34E-07	1.60E-05	1.09E-06	1.98E-06	1.75E-07	3.25E-06	8.43E-07	1.10E-06	7.97E-08	2.03E-06
1599	565601	4222233	7.76E-06	9.47E-06	4.99E-07	1.77E-05	4.11E-06	1.04E-05	4.99E-07	1.50E-05	1.02E-06	1.85E-06	1.63E-07	3.03E-06	7.88E-07	1.03E-06	7.45E-08	1.89E-06
1600	565620.8	4222289	9.32E-06	1.14E-05	6.00E-07	2.13E-05	4.94E-06	1.25E-05	6.00E-07	1.80E-05	1.22E-06	2.22E-06	1.96E-07	3.64E-06	9.47E-07	1.24E-06	8.95E-08	2.27E-06
1601	565620.7	4222280	8.93E-06	1.09E-05	5.75E-07	2.04E-05	4.73E-06	1.20E-05	5.75E-07	1.73E-05	1.17E-06	2.13E-06	1.88E-07	3.49E-06	9.07E-07	1.19E-06	8.58E-08	2.18E-06
1602	565630.6	4222289	8.61E-06	1.05E-05	5.54E-07	1.97E-05	4.56E-06	1.15E-05	5.54E-07	1.66E-05	1.13E-06	2.05E-06	1.81E-07	3.37E-06	8.75E-07	1.14E-06	8.27E-08	2.10E-06
1603	565630.6	4222280	8.27E-06	1.01E-05	5.32E-07	1.89E-05	4.38E-06	1.11E-05	5.32E-07	1.60E-05	1.09E-06	1.97E-06	1.74E-07	3.23E-06	8.40E-07	1.10E-06	7.94E-08	2.02E-06
1604	565630.6	4222270	7.91E-06	9.66E-06	5.09E-07	1.81E-05	4.19E-06	1.06E-05	5.09E-07	1.53E-05	1.04E-06	1.89E-06	1.67E-07	3.09E-06	8.04E-07	1.05E-06	7.60E-08	1.93E-06
1605	565630.5	4222261	7.55E-06	9.22E-06	4.86E-07	1.73E-05	4.00E-06	1.01E-05	4.86E-07	1.46E-05	9.91E-07	1.80E-06	1.59E-07	2.95E-06	7.67E-07	1.00E-06	7.25E-08	1.84E-06
1606	565630.5	4222233	6.45E-06	7.87E-06	4.15E-07	1.47E-05	3.42E-06	8.63E-06	4.15E-07	1.25E-05	8.46E-07	1.54E-06	1.36E-07	2.52E-06	6.55E-07	8.56E-07	6.19E-08	1.57E-06
1607	565640.4	4222289	8E-06	9.77E-06	5.15E-07	1.83E-05	4.24E-06	1.07E-05	5.15E-07	1.55E-05	1.05E-06	1.91E-06	1.68E-07	3.13E-06	8.13E-07	1.06E-06	7.69E-08	1.95E-06
1608	565640.4	4222280	7.7E-06	9.4E-06	4.96E-07	1.76E-05	4.08E-06	1.03E-05	4.96E-07	1.49E-05	1.01E-06	1.84E-06	1.62E-07	3.01E-06	7.82E-07	1.02E-06	7.40E-08	1.88E-06
1609	565640.4	4222270	7.39E-06	9.02E-06	4.75E-07	1.69E-05	3.92E-06	9.89E-06	4.75E-07	1.43E-05	9.70E-07	1.76E-06	1.56E-07	2.89E-06	7.51E-07	9.81E-07	7.10E-08	1.80E-06
1610	565640.4	4222261	7.07E-06	8.63E-06	4.55E-07	1.62E-05	3.75E-06	9.46E-06	4.55E-07	1.37E-05	9.28E-07	1.69E-06	1.49E-07	2.76E-06	7.18E-07	9.39E-07	6.79E-08	1.72E-06
1611	565640.3	4222233	6.09E-06	7.44E-06	3.92E-07	1.39E-05	3.23E-06	8.16E-06	3.92E-07	1.18E-05	8.00E-07	1.45E-06	1.28E-07	2.38E-06	6.19E-07	8.09E-07	5.85E-08	1.49E-06
1612	565650.3	4222289	7.46E-06	9.11E-06	4.80E-07	1.71E-05	3.96E-06	9.99E-06	4.80E-07	1.44E-05	9.80E-07	1.78E-06	1.57E-07	2.92E-06	7.58E-07	9.91E-07	7.17E-08	1.82E-06
1613	565650.3	4222280	7.2E-06	8.79E-06	4.63E-07	1.64E-05	3.82E-06	9.63E-06	4.63E-07	1.39E-05	9.45E-07	1.72E-06	1.52E-07	2.81E-06	7.31E-07	9.56E-07	6.91E-08	1.76E-06
1614	565650.2	4222270	6.92E-06	8.45E-06	4.45E-07	1.58E-05	3.67E-06	9.26E-06	4.45E-07	1.34E-05	9.09E-07	1.65E-06	1.46E-07	2.71E-06	7.03E-07	9.19E-07	6.65E-08	1.69E-06
1615	565650.2	4222261	6.63E-06	8.1E-06	4.27E-07	1.52E-05	3.52E-06	8.88E-06	4.27E-07	1.28E-05	8.71E-07	1.58E-06	1.40E-07	2.59E-06	6.74E-07	8.81E-07	6.37E-08	1.62E-06
1616	565650.1	4222233	5.77E-06	7.05E-06	3.71E-07	1.32E-05	3.06E-06	7.72E-06	3.71E-07	1.12E-05	7.58E-07	1.38E-06	1.21E-07	2.26E-06	5.86E-07	7.66E-07	5.54E-08	1.41E-06
1617	565660.1	4222289	6.98E-06	8.53E-06	4.49E-07	1.60E-05	3.70E-06	9.35E-06	4.49E-07	1.35E-05	9.17E-07	1.67E-06	1.47E-07	2.73E-06	7.09E-07	9.27E-07	6.71E-08	1.70E-06
1618	565660.1	4222280	6.74E-06	8.24E-06	4.34E-07	1.54E-05	3.58E-06	9.03E-06	4.34E-07	1.30E-05	8.86E-07	1.61E-06	1.42E-07	2.64E-06	6.85E-07	8.96E-07	6.48E-08	1.65E-06
1619	565660.1	4222270	6.5E-06	7.94E-06	4.18E-07	1.49E-05	3.45E-06	8.70E-06	4.18E-07	1.26E-05	8.53E-07	1.55E-06	1.37E-07	2.54E-06	6.60E-07	8.63E-07	6.24E-08	1.59E-06
1620	565660.1	4222261	6.25E-06	7.63E-06	4.02E-07	1.43E-05	3.31E-06	8.36E-06	4.02E-07	1.21E-05	8.20E-07	1.49E-06	1.32E-07	2.44E-06	6.35E-07	8.30E-07	6.00E-08	1.52E-06
1621	565660	4222242	5.73E-06	7E-06	3.69E-07	1.31E-05	3.04E-06	7.67E-06	3.69E-07	1.11E-05	7.53E-07	1.37E-06	1.21E-07	2.24E-06	5.82E-07	7.61E-07	5.51E-08	1.40E-06
1622	565660	4222233	5.47E-06	6.68E-06	3.52E-07	1.25E-05	2.90E-06	7.33E-06	3.52E-07	1.06E-05	7.19E-07	1.31E-06	1.15E-07	2.14E-06	5.56E-07	7.27E-07	5.26E-08	1.34E-06
1623	565670	4222289	6.55E-06	8E-06	4.22E-07	1.50E-05	3.47E-06	8.77E-06	4.22E-07	1.27E-05	8.60E-07	1.56E-06	1.38E-07	2.56E-06	6.66E-07	8.70E-07	6.29E-08	1.60E-06
1624	565669.9	4222280	6.34E-06	7.74E-06	4.08E-07	1.45E-05	3.36E-06	8.49E-06	4.08E-07	1.23E-05	8.32E-07	1.51E-06	1.33E-07	2.48E-06	6.44E-07	8.42E-07	6.09E-08	1.55E-06
1625	565669.9	4222270	6.12E-06	7.47E-06	3.94E-07	1.40E-05	3.24E-06	8.19E-06	3.94E-07	1.18E-05	8.04E-07	1.46E-06	1.29E-07	2.39E-06	6.22E-07	8.13E-07	5.88E-08	1.49E-06
1626	565669.8	4222242	5.43E-06	6.63E-06	3.50E-07	1.24E-05	2.88E-06	7.27E-06	3.50E-07	1.05E-05	7.13E-07	1.30E-06	1.14E-07	2.12E-06	5.52E-07	7.22E-07	5.22E-08	1.33E-06
1627	565669.8	4222232	5.2E-06	6.35E-06	3.35E-07	1.19E-05	2.76E-06	6.96E-06	3.35E-07	1.01E-05	6.83E-07	1.24E-06	1.09E-07	2.03E-06	5.28E-07	6.91E-07	5.00E-08	1.27E-06
1628	565679.8	4222289	6.16E-06	7.52E-06	3.96E-07	1.41E-05	3.26E-06	8.24E-06	3.96E-07	1.19E-05	8.09E-07	1.47E-06	1.30E-07	2.41E-06	6.26E-07	8.18E-07	5.92E-08	1.50E-06
1629	565679.8	4222280	5.97E-06	7.29E-06	3.84E-07	1.36E-05	3.16E-06	7.99E-06	3.84E-07	1.15E-05	7.84E-07	1.42E-06	1.26E-07	2.33E-06	6.07E-07	7.93E-07	5.73E-08	1.46E-06
1630	565679.8	4222270	5.77E-06	7.05E-06	3.71E-07	1.32E-05	3.06E-06	7.73E-06	3.71E-07	1.12E-05	7.58E-07	1.38E-06	1.22E-07	2.26E-06	5.87E-07	7.67E-07	5.55E-08	1.41E-06
1631	565679.7	4222251	5.36E-06	6.55E-06	3.45E-07	1.23E-05	2.84E-06	7.18E-06	3.45E-07	1.04E-05	7.04E-07	1.28E-06	1.13E-07	2.10E-06	5.45E-07	7.12E-07	5.15E-08	1.31E-06
1632	565679.7	4222242	5.15E-06	6.3E-06	3.32E-07	1.18E-05	2.73E-06	6.90E-06	3.32E-07	9.97E-06	6.77E-07	1.23E-06	1.09E-07	2.02E-06	5.24E-07	6.85E-07	4.95E-08	1.26E-06
1633	565679.7	4222232	4.95E-06	6.04E-06	3.18E-07	1.13E-05	2.62E-06	6.62E-06	3.18E-07	9.56E-06	6.49E-07	1.18E-06	1.04E-07	1.93E-06	5.03E-07	6.57E-07	4.75E-08	1.21E-06
1634	565689.6	4222289	5.8E-06	7.08E-06	3.73E-07	1.33E-05	3.08E-06	7.77E-06	3.73E-07	1.12E-05	7.62E-07	1.38E-06	1.22E-07	2.27E-06	5.89E-07	7.71E-07	5.57E-08	1.42E-06
1635	565689.6	4222280	5.63E-06	6.88E-06	3.62E-07	1.29E-05	2.99E-06	7.54E-06	3.62E-07	1.09E-05	7.39E-07	1.34E-06	1.19E-07	2.20E-06	5.72E-07	7.48E-07	5.41E-08	1.37E-06
1636	565689.6	4222261	5.27E-06	6.44E-06	3.39E-07	1.21E-05	2.80E-06	7.06E-06	3.39E-07	1.02E-05	6.92E-07	1.26E-06	1.11E-07	2.06E-06	5.36E-07	7.00E-07	5.07E-08	1.29E-06
1637	565689.5	4222251	5.09E-06	6.21E-06	3.27E-07	1.16E-05	2.70E-06	6.81E-06	3.27E-07	9.83E-06	6.68E-07	1.21E-06	1.07E-07	1.99E-06	5.17E-07	6.76E-07	4.89E-08	1.24E-06
1638	565689.5	4222242	4.9E-06	5.98E-06	3.15E-07	1.12E-05	2.60E-06	6.56E-06	3.15E-07	9.47E-06	6.43E-07	1.17E-06	1.03E-07	1.92E-06	4.98E-07	6.51E-07	4.71E-08	1.20E-06
1639	565689.5	4222232	4.71E-06	5.75E-06	3.03E-07	1.08E-05	2.50E-06	6.31E-06	3.03E-07	9.11E-06	6.19E-07	1.12E-06	9.92E-08	1.84E-06	4.79E-07	6.26E-07	4.53E-08	1.15E-06
1640	565699.4	4222270	5.16E-06	6.31E-06	3.32E-07	1.18E-05	2.74E-06	6.91E-06	3.32E-07	9.98E-06	6.78E-07	1.23E-06	1.09E-07	2.02E-06	5.25E-07	6.86E-07	4.96E-08	1.26E-06
1641	565699.4	4222261	5E-06	6.11E-06	3.22E-07	1.14E-05	2.65E-06	6.69E-06	3.22E-07	9.67E-06	6.57E-07	1.19E-06	1.05E-07	1.95E-06	5.08E-07	6.64E-07	4.80E-08	1.22E-06
1642	565699.4	4222251	4.83E-06	5.9E-06	3.11E-07	1.10E-05	2.56E-06	6.47E-06	3.11E-07	9.34E-06	6.35E-07	1.15E-06	1.02E-07	1.89E-06	4.91E-07	6.42E-07	4.64E-08	1.18E-06
1643	565699.4	4222242	4.66E-06	5.69E-06	3.00E-07	1.07E-05	2.47E-06	6.24E-06	3.00E-07	9.01E-06	6.12E-07	1.11E-06	9.82E-08	1.82E-06	4.74E-07	6.19E-07	4.48E-08	1.14E-06
1644	565699.3	4222232	4.49E-06	5.49E-06	2.89E-07	1.03E-05	2.38E-06	6.01E-06	2.89E-07	8.68E-06	5.90E-07	1.07E-06	9.46E-08	1.76E-06	4.56E-07	5.97E-07	4.32E-08	1.10E-06
1645	565709.3	4222279	5.04E-06	6.16E-06	3.25E-07	1.15E-05	2.67E-06	6.75E-06	3.25E-07	9.75E-06	6.62E-07	1.20E-06	1.06E-07	1.97E-06	5.12E-07	6.70E-07	4.84E-08	1.23E-06
1646	565709.3	4222270	4.9E-06	5.98E-06	3.15E-07	1.12E-05	2.60E-06	6.56E-06	3.15E-07	9.47E-06	6.43E-07	1.17E-06	1.03E-07	1.92E-06	4.98E-07	6.51E-07	4.71E-08	1.20E-06
1647	565709.2	4222261	4.75E-06	5.8E-06	3.06E-07	1.09E-05	2.52E-06	6.36E-06	3.06E-07	9.18E-06	6.24E-07	1.13E-06	1.00E-07	1.86E-06	4.83E-07	6.31E-07	4.56E-08	1.16E-06

1648	565709.2	4222251	4.6E-06	5.62E-06	2.96E-07	1.05E-05	2.44E-06	6.16E-06	2.96E-07	8.89E-06	6.04E-07	1.10E-06	9.68E-08	1.80E-06	4.67E-07	6.11E-07	4.42E-08	1.12E-06
1649	565709.2	4222242	4.44E-06	5.43E-06	2.86E-07	1.02E-05	2.36E-06	5.95E-06	2.86E-07	8.59E-06	5.84E-07	1.06E-06	9.36E-08	1.74E-06	4.52E-07	5.90E-07	4.27E-08	1.08E-06
1650	565709.2	4222232	4.29E-06	5.24E-06	2.76E-07	9.80E-06	2.27E-06	5.74E-06	2.76E-07	8.29E-06	5.63E-07	1.02E-06	9.03E-08	1.68E-06	4.36E-07	5.70E-07	4.12E-08	1.05E-06
1651	565719.2	4222289	4.91E-06	6E-06	3.16E-07	1.12E-05	2.60E-06	6.57E-06	3.16E-07	9.49E-06	6.45E-07	1.17E-06	1.03E-07	1.92E-06	4.99E-07	6.52E-07	4.72E-08	1.20E-06
1652	565719.1	4222279	4.78E-06	5.84E-06	3.08E-07	1.09E-05	2.54E-06	6.41E-06	3.08E-07	9.25E-06	6.28E-07	1.14E-06	1.01E-07	1.87E-06	4.86E-07	6.36E-07	4.60E-08	1.17E-06
1653	565719.1	4222270	4.65E-06	5.68E-06	3.00E-07	1.06E-05	2.47E-06	6.23E-06	3.00E-07	9.00E-06	6.11E-07	1.11E-06	9.80E-08	1.82E-06	4.73E-07	6.18E-07	4.47E-08	1.14E-06
1654	565719.1	4222261	4.52E-06	5.52E-06	2.91E-07	1.03E-05	2.40E-06	6.05E-06	2.91E-07	8.74E-06	5.94E-07	1.08E-06	9.52E-08	1.77E-06	4.59E-07	6.00E-07	4.34E-08	1.10E-06
1655	565719.1	4222251	4.38E-06	5.35E-06	2.82E-07	1.00E-05	2.32E-06	5.87E-06	2.82E-07	8.47E-06	5.75E-07	1.05E-06	9.23E-08	1.71E-06	4.45E-07	5.82E-07	4.21E-08	1.07E-06
1656	565719	4222242	4.24E-06	5.18E-06	2.73E-07	9.69E-06	2.25E-06	5.68E-06	2.73E-07	8.20E-06	5.57E-07	1.01E-06	8.93E-08	1.66E-06	4.31E-07	5.63E-07	4.08E-08	1.04E-06
1657	565719	4222232	4.1E-06	5.01E-06	2.64E-07	9.37E-06	2.17E-06	5.49E-06	2.64E-07	7.93E-06	5.38E-07	9.78E-07	8.63E-08	1.60E-06	4.17E-07	5.45E-07	3.94E-08	1.00E-06
1658	565729	4222289	4.66E-06	5.69E-06	3.00E-07	1.07E-05	2.47E-06	6.24E-06	3.00E-07	9.01E-06	6.12E-07	1.11E-06	9.82E-08	1.82E-06	4.74E-07	6.19E-07	4.48E-08	1.14E-06
1659	565729	4222279	4.55E-06	5.56E-06	2.93E-07	1.04E-05	2.41E-06	6.09E-06	2.93E-07	8.79E-06	5.97E-07	1.09E-06	9.58E-08	1.78E-06	4.62E-07	6.04E-07	4.37E-08	1.11E-06
1660	565728.9	4222270	4.43E-06	5.41E-06	2.85E-07	1.01E-05	2.35E-06	5.93E-06	2.85E-07	8.56E-06	5.82E-07	1.06E-06	9.33E-08	1.73E-06	4.50E-07	5.88E-07	4.26E-08	1.08E-06
1661	565728.9	4222261	4.31E-06	5.26E-06	2.77E-07	9.84E-06	2.28E-06	5.77E-06	2.77E-07	8.33E-06	5.66E-07	1.03E-06	9.07E-08	1.68E-06	4.38E-07	5.72E-07	4.14E-08	1.05E-06
1662	565728.9	4222251	4.18E-06	5.11E-06	2.69E-07	9.56E-06	2.22E-06	5.60E-06	2.69E-07	8.08E-06	5.49E-07	9.98E-07	8.81E-08	1.63E-06	4.25E-07	5.55E-07	4.02E-08	1.02E-06
1663	565728.9	4222242	4.05E-06	4.95E-06	2.61E-07	9.26E-06	2.15E-06	5.43E-06	2.61E-07	7.84E-06	5.32E-07	9.67E-07	8.54E-08	1.58E-06	4.12E-07	5.38E-07	3.89E-08	9.89E-07
1664	565728.9	4222232	3.92E-06	4.79E-06	2.53E-07	8.97E-06	2.08E-06	5.25E-06	2.53E-07	7.59E-06	5.15E-07	9.36E-07	8.26E-08	1.53E-06	3.99E-07	5.21E-07	3.77E-08	9.58E-07
1665	565738.8	4222289	4.43E-06	5.42E-06	2.85E-07	1.01E-05	2.35E-06	5.94E-06	2.85E-07	8.57E-06	5.82E-07	1.06E-06	9.34E-08	1.73E-06	4.51E-07	5.89E-07	4.26E-08	1.08E-06
1666	565738.8	4222279	4.33E-06	5.29E-06	2.79E-07	9.90E-06	2.30E-06	5.80E-06	2.79E-07	8.37E-06	5.69E-07	1.03E-06	9.12E-08	1.69E-06	4.40E-07	5.75E-07	4.16E-08	1.06E-06
1667	565738.8	4222270	4.22E-06	5.16E-06	2.72E-07	9.65E-06	2.24E-06	5.65E-06	2.72E-07	8.16E-06	5.54E-07	1.01E-06	8.89E-08	1.65E-06	4.29E-07	5.61E-07	4.06E-08	1.03E-06
1668	565738.8	4222261	4.11E-06	5.02E-06	2.65E-07	9.39E-06	2.18E-06	5.50E-06	2.65E-07	7.95E-06	5.40E-07	9.80E-07	8.66E-08	1.61E-06	4.18E-07	5.46E-07	3.95E-08	1.00E-06
1669	565738.7	4222251	3.99E-06	4.88E-06	2.57E-07	9.13E-06	2.12E-06	5.35E-06	2.57E-07	7.72E-06	5.25E-07	9.53E-07	8.41E-08	1.56E-06	4.06E-07	5.31E-07	3.84E-08	9.75E-07
1670	565738.7	4222242	3.88E-06	4.74E-06	2.50E-07	8.86E-06	2.06E-06	5.19E-06	2.50E-07	7.50E-06	5.09E-07	9.25E-07	8.17E-08	1.52E-06	3.94E-07	5.15E-07	3.73E-08	9.46E-07
1671	565738.7	4222232	3.76E-06	4.59E-06	2.42E-07	8.59E-06	1.99E-06	5.03E-06	2.42E-07	7.27E-06	4.94E-07	8.97E-07	7.92E-08	1.47E-06	3.82E-07	4.99E-07	3.61E-08	9.17E-07
1672	565748.7	4222289	4.22E-06	5.16E-06	2.72E-07	9.65E-06	2.24E-06	5.65E-06	2.72E-07	8.17E-06	5.55E-07	1.01E-06	8.89E-08	1.65E-06	4.29E-07	5.61E-07	4.06E-08	1.03E-06
1673	565748.6	4222279	4.13E-06	5.04E-06	2.66E-07	9.44E-06	2.19E-06	5.53E-06	2.66E-07	7.98E-06	5.42E-07	9.85E-07	8.69E-08	1.61E-06	4.19E-07	5.48E-07	3.97E-08	1.01E-06
1674	565748.6	4222270	4.03E-06	4.92E-06	2.59E-07	9.21E-06	2.14E-06	5.39E-06	2.59E-07	7.79E-06	5.29E-07	9.61E-07	8.48E-08	1.58E-06	4.09E-07	5.35E-07	3.87E-08	9.83E-07
1675	565748.6	4222261	3.93E-06	4.8E-06	2.53E-07	8.97E-06	2.08E-06	5.26E-06	2.53E-07	7.59E-06	5.16E-07	9.37E-07	8.27E-08	1.54E-06	3.99E-07	5.22E-07	3.77E-08	9.58E-07
1676	565748.6	4222251	3.82E-06	4.67E-06	2.46E-07	8.73E-06	2.03E-06	5.12E-06	2.46E-07	7.39E-06	5.02E-07	9.12E-07	8.05E-08	1.49E-06	3.88E-07	5.08E-07	3.67E-08	9.33E-07
1677	565748.6	4222242	3.71E-06	4.54E-06	2.39E-07	8.49E-06	1.97E-06	4.97E-06	2.39E-07	7.18E-06	4.88E-07	8.86E-07	7.82E-08	1.45E-06	3.77E-07	4.93E-07	3.57E-08	9.06E-07
1678	565748.5	4222232	3.6E-06	4.4E-06	2.32E-07	8.24E-06	1.91E-06	4.83E-06	2.32E-07	6.97E-06	4.73E-07	8.60E-07	7.59E-08	1.41E-06	3.66E-07	4.79E-07	3.46E-08	8.80E-07
1679	565758.5	4222279	3.94E-06	4.81E-06	2.54E-07	9.01E-06	2.09E-06	5.28E-06	2.54E-07	7.62E-06	5.18E-07	9.40E-07	8.30E-08	1.54E-06	4.00E-07	5.23E-07	3.79E-08	9.62E-07
1680	565758.5	4222270	3.85E-06	4.7E-06	2.48E-07	8.80E-06	2.04E-06	5.15E-06	2.48E-07	7.44E-06	5.06E-07	9.19E-07	8.11E-08	1.51E-06	3.91E-07	5.11E-07	3.70E-08	9.40E-07
1681	565758.4	4222261	3.76E-06	4.59E-06	2.42E-07	8.59E-06	1.99E-06	5.03E-06	2.42E-07	7.26E-06	4.93E-07	8.96E-07	7.91E-08	1.47E-06	3.82E-07	4.99E-07	3.61E-08	9.17E-07
1682	565758.4	4222251	3.66E-06	4.47E-06	2.36E-07	8.36E-06	1.94E-06	4.90E-06	2.36E-07	7.08E-06	4.81E-07	8.73E-07	7.71E-08	1.43E-06	3.72E-07	4.86E-07	3.52E-08	8.93E-07
1683	565758.4	4222242	3.56E-06	4.35E-06	2.29E-07	8.14E-06	1.89E-06	4.77E-06	2.29E-07	6.88E-06	4.68E-07	8.50E-07	7.50E-08	1.39E-06	3.62E-07	4.73E-07	3.42E-08	8.69E-07
1684	565768.3	4222289	3.85E-06	4.7E-06	2.48E-07	8.80E-06	2.04E-06	5.15E-06	2.48E-07	7.44E-06	5.05E-07	9.18E-07	8.10E-08	1.50E-06	3.91E-07	5.11E-07	3.70E-08	9.39E-07
1685	565768.3	4222279	3.77E-06	4.6E-06	2.43E-07	8.61E-06	2.00E-06	5.05E-06	2.43E-07	7.29E-06	4.95E-07	8.99E-07	7.94E-08	1.47E-06	3.83E-07	5.01E-07	3.62E-08	9.20E-07
1686	565768.3	4222270	3.68E-06	4.5E-06	2.37E-07	8.42E-06	1.95E-06	4.93E-06	2.37E-07	7.12E-06	4.84E-07	8.79E-07	7.76E-08	1.44E-06	3.74E-07	4.89E-07	3.54E-08	8.99E-07
1687	565768.3	4222261	3.6E-06	4.39E-06	2.32E-07	8.22E-06	1.91E-06	4.82E-06	2.32E-07	6.96E-06	4.73E-07	8.59E-07	7.58E-08	1.41E-06	3.66E-07	4.78E-07	3.46E-08	8.78E-07
1688	565768.3	4222251	3.51E-06	4.29E-06	2.26E-07	8.02E-06	1.86E-06	4.70E-06	2.26E-07	6.79E-06	4.61E-07	8.37E-07	7.39E-08	1.37E-06	3.57E-07	4.66E-07	3.37E-08	8.57E-07
1689	565778.2	4222289	3.68E-06	4.5E-06	2.37E-07	8.42E-06	1.95E-06	4.93E-06	2.37E-07	7.12E-06	4.84E-07	8.79E-07	7.76E-08	1.44E-06	3.74E-07	4.89E-07	3.54E-08	8.99E-07
1690	565778.2	4222279	3.61E-06	4.41E-06	2.32E-07	8.25E-06	1.91E-06	4.83E-06	2.32E-07	6.98E-06	4.74E-07	8.61E-07	7.60E-08	1.41E-06	3.67E-07	4.79E-07	3.47E-08	8.81E-07
1691	565778.1	4222270	3.53E-06	4.31E-06	2.27E-07	8.07E-06	1.87E-06	4.73E-06	2.27E-07	6.83E-06	4.64E-07	8.43E-07	7.44E-08	1.38E-06	3.59E-07	4.69E-07	3.39E-08	8.62E-07
1692	565778.1	4222260	3.45E-06	4.22E-06	2.22E-07	7.89E-06	1.83E-06	4.62E-06	2.22E-07	6.67E-06	4.53E-07	8.24E-07	7.27E-08	1.35E-06	3.51E-07	4.59E-07	3.32E-08	8.43E-07
1693	565778	4222232	3.2E-06	3.91E-06	2.06E-07	7.32E-06	1.70E-06	4.29E-06	2.06E-07	6.19E-06	4.20E-07	7.64E-07	6.74E-08	1.25E-06	3.25E-07	4.25E-07	3.08E-08	7.81E-07
1694	565788	4222289	3.53E-06	4.31E-06	2.27E-07	8.06E-06	1.87E-06	4.72E-06	2.27E-07	6.82E-06	4.63E-07	8.42E-07	7.43E-08	1.38E-06	3.59E-07	4.69E-07	3.39E-08	8.61E-07
1695	565788	4222279	3.46E-06	4.23E-06	2.23E-07	7.91E-06	1.83E-06	4.63E-06	2.23E-07	6.69E-06	4.54E-07	8.25E-07	7.29E-08	1.35E-06	3.52E-07	4.60E-07	3.32E-08	8.45E-07
1696	565787.9	4222242	3.16E-06	3.86E-06	2.04E-07	7.23E-06	1.68E-06	4.23E-06	2.04E-07	6.11E-06	4.15E-07	7.54E-07	6.66E-08	1.24E-06	3.21E-07	4.20E-07	3.04E-08	7.72E-07
1697	565787.9	4222232	3.08E-06	3.76E-06	1.98E-07	7.05E-06	1.63E-06	4.13E-06	1.98E-07	5.96E-06	4.05E-07	7.35E-07	6.49E-08	1.21E-06	3.13E-07	4.09E-07	2.96E-08	7.52E-07
1698	565797.9	4222289	3.38E-06	4.13E-06	2.18E-07	7.73E-06	1.79E-06	4.53E-06	2.18E-07	6.54E-06	4.44E-07	8.07E-07	7.12E-08	1.32E-06	3.44E-07	4.49E-07	3.25E-08	8.26E-07
1699	565797.8	4222251	3.12E-06	3.81E-06	2.01E-07	7.12E-06	1.65E-06	4.17E-06	2.01E-07	6.02E-06	4.09E-07	7.43E-07	6.56E-08	1.22E-06	3.17E-07	4.14E-07	2.99E-08	7.60E-07
1700	565797.7	4222242	3.04E-06	3.72E-06	1.96E-07	6.96E-06	1.61E-06	4.08E-06	1.96E-07	5.89E-06	4.00E-07	7.26E-07	6.41E-08	1.19E-06	3.09E-07	4.04E-07	2.92E-08	7.43E-07
1701	565797.7	4222232	2.97E-06	3.63E-06	1.91E-07	6.79E-06	1.57E-06	3.98E-06	1.91E-07	5.74E-06	3.90E-07	7.09E-07	6.26E-08	1.16E-06	3.02E-07	3.95E-07	2.85E-08	7.25E-07
1702	565807.6	4222260	3.06E-06	3.74E-06	1.97E-07	7.00E-06	1.62E-06	4.10E-06	1.97E-07	5.92E-06	4.02E-07	7.31E-07	6.45E-08	1.20E-06	3.11E-07	4.07E-07	2.94E-08	7.48E-07
1703	565807.6	4222251	3E-06	3.66E-06	1.93E-07	6.85E-06	1.59E-06	4.01E-06	1.93E-07	5.80E-06	3.94E-07	7.15E-07	6.31E-08	1.17E-06	3.05E-07	3.98E-07	2.88E-08	7.32E-07
1704	565807.6	4222242	2.93E-06	3.58E-06	1.89E-07	6.70E-06	1.55E-06	3.93E-06	1.89E-07	5.67E-06	3.85E-07	6.99E-07	6.17E-08	1.15E-06	2.98E-07	3.89E-07	2.82E-08	7.16E-07
1705	565807.6	4222232	2.86E-06	3.5E-06	1.84E-07	6.54E-06	1.52E-06	3.83E-06	1.84E-07	5.54E-06	3.76E-07	6.83E-07	6.03E-08	1.12E-06	2.91E-07	3.80E-07	2.75E-08	6.99E-07
1706	565827.7	4222289	3.05E-06	3.72E-06	1.96E-07	6.96E-06	1.61E-06	4.08E-06	1.96E-07	5.89E-06	4.00E-07	7.27E-07	6.42E-08	1.19E-06	3.10E-07	4.05E-07	2.93E-08	7.43E-07
1707	565827.7	4222279	2.99E-06	3.65E-06	1.93E-07	6.84E-06	1.59E-06	4.01E-06	1.93E-07	5.79E-06	3.93E-07	7.14E-07	6.30E-08	1.17E-06	3.04E-07	3.98E-07	2.88E-08	7.30E-07
1708	565827.7	4222270	2.94E-06	3.59E-06	1.89E-07	6.71E-06	1.56E-06	3.93E-06	1.89E-07	5.68E-06	3.86E-07	7.01E-07	6.18E-08	1.15E-06	2.98E-07	3.90E-07	2.82E-08	7.17E-07
1709	565827.6	4222260	2.88E-06	3.52E-06	1.85E-07	6.58E-06	1.53E-06	3.85E-06	1.85E-07	5.57E-06	3.78E-07	6.87E-07	6.06E-08	1.13E-06	2.93E-07	3.82E-07	2.77E-08	7.03E-07
1710	565827.6	4222251	2.82E-06	3.44E-06	1.81E-07	6.44E-06	1.49E-06	3.77E-06	1.81E-07	5.45E-06	3.70E-07	6.72E-07	5.94E-08	1.10E-06	2.86E-07	3.74E-07	2.71E-08	6.88E-07
1711	565827.6	4222242	2.76E-06	3.37E-06	1.77E-07	6.30E-06	1.46E-06	3.69E-06	1.77E-07	5.33E-06	3.62E-07	6.58E-07	5.81E-08	1.08E-06	2.80E-07	3.66E-07	2.65E-08	6.73E-07
1712	565827.6	4222232	2.69E-06	3.29E-06	1.73E-07	6.16E-06	1.43E-06	3.61E-06	1.73E-07	5.21E-06	3.54E-07	6.43E-07	5.67E-08	1.05E-06	2.74E-07	3.58E-07	2.59E-08	6.58E-07
1713	565847.7	4222289	2.82E-06	3.45E-06	1.82E-07	6.45E-06	1.50E-06	3.78E-06	1.82E-07	5.45E-06	3.70E-07	6.73E-07	5.94E-08	1.10E-06	2.87E-07	3.75E-07	2.71E-08	6.89E-07
1714	565847.7	4222279	2.77E-06	3.39E-06	1.79E-07	6.34E-06	1.47E-06	3.71E-06	1.79E-07	5.36E-06	3.64E-07	6.62E-07	5.84E-08	1.08E-06	2.82E-07	3.69E-07	2.67E-08	6.77E-07
1715	565847.7	4222270	2.73E-06	3.33E-06	1.75E-07	6.23E-06	1.45E-06	3.65E-06	1.75E-07	5.27E-06	3.58E-07	6.50E-07	5.74E-08	1.07E-06	2.77E-07	3.62E-07	2.62E-08	6.65E-07
1716	565847.6	4222260	2.68E-06	3.27E-06	1.72E-07	6.11E-06	1.42E-06	3.58E-06	1.72E-07	5.17E-06	3.51E-07	6.38E-07	5.63E-08	1.05E-06	2.72E-07	3.55E-07	2.57E-08	6.53E-07
1717	565847.6	4222251	2.62E-06	3.2E-06	1.69E-07	6.00E-06	1.39E-06	3.51E-06	1.69E-07	5.07E-06	3.44E-07	6.26E-07	5.52E-08	1.03E-06	2.67E-07	3.48E-07	2.52E-08	6.40E-07
1718	565847.6	4222241	2.57E-06	3.14E-06	1.65E-07	5.87E-06	1.36E-06	3.44E-06	1.65E-07	4.97E-06	3.37E-07	6.13E-07	5.41E-08	1.00E-06	2.61E-07	3.41E-07	2.47E-08	6.27E-07
1719	565847.6	4222232	2.51E-06	3.07E-06	1.62E-07	5.75E-06	1.33E-06	3.37E-06	1.62E-07	4.86E-06	3.30E-07	6.00E-07	5.30E-08	9.83E-07	2.56E-07	3.34E-07	2.42E-08	6.14E-07
1720	565867.7	4222289	2.62E-06	3.2E-06	1.69E-07	6.00E-06	1.39E-06	3.51E-06	1.69E-07	5.07E-06	3.45E-07	6.26E-07	5.53E-08	1.03E-06	2.67E-07	3.49E-07	2.52E-08	6.40E-07
1721	565867.7	4222279	2.58E-06	3.15E-06	1.66E-07	5.90E-06	1.37E-06	3.46E-06	1.66E-07	4.99E-06	3.39E-07	6.16E-07	5.44E-08	1.01E-06	2.63E-07	3.43E-07	2.48E-08	6.30E-07
1722	565867.7	4222270	2.54E-06	3.1E-06	1.64E-07	5.81E-06	1.35E-06	3.40E-06	1.64E-07	4.91E-06	3.34E-07	6.06E-07	5.35E-08	9.93E-07	2.58E-07	3.38E-07	2.44E-08	6.20E-07
1723	565867.6	4222260	2.5E-06	3.05E-06	1.61E-07	5.71E-06	1.32E-06	3.34E-06	1.61E-07	4.83E-06	3.28E-07	5.96E-07	5.26E-08	9.76E-07	2.54E-07	3.32E-07	2.40E-08	6.09E-07
1724	565867.6	4222251	2.45E-06	2.99E-06	1.58E-07	5.60E-06	1.30E-06	3.28E-06	1.58E-07	4.74E-06	3.22E-07	5.85E-07	5.16E-08	9.58E-07	2.49E-07	3.26E-07	2.35E-08	5.98E-07
1725	565887.7	4222279	2.41E-06	2.95E-06	1.55E-07	5.51E-06	1.28E-06	3.23E-06	1.55E-07	4.66E-06	3.17E-07	5.76E-07	5.08E-08	9.43E-07	2.45E-07	3.20E-07	2.32E-08	5.89E-07
1726	565887.7	4222270	2.38E-06	2.9E-06	1.53E-07	5.43E-06	1.26E-06	3.18E-06	1.53E-07	4.59E-06	3.12E-07	5.67E-07	5.00E-08	9.29E-07	2.41E-07	3.16E-07	2.28E-08	5.80E-07
1727	565887.6	4222241	2.25E-06	2.75E-06	1.45E-07	5.15E-06	1.20E-06	3.02E-06	1.45E-07	4.36E-06	2.96E-07	5.38E-07	4.75E-08	8.82E-07	2.29E-07	3.00E-07	2.17E-08	5.50E-07
1728	565887.6	4222232	2.21E-06	2.7E-06	1.42E-07	5.06E-06	1.17E-06	2.96E-06	1.42E-07	4.28E-06	2.91E-07	5.28E-07	4.66E-08	8.65E-07	2.25E-07	2.94E-07	2.13E-08	5.40E-07
1729	565907.6	4222260	2.19E-06	2.67E-06	1.41E-07	5.00E-06	1.16E-06	2.93E-06	1.41E-07	4.23E-06	2.87E-07	5.22E-07	4.61E-08	8.55E-07	2.22E-07	2.91E-07	2.10E-08	5.34E-07
1730	565907.6	4222251	2.15E-06	2.63E-06	1.39E-07	4.92E-06	1.14E-06	2.88E-06	1.39E-07	4.16E-06	2.83E-07	5.14E-07	4.53E-08	8.42E-07	2.19E-07	2.86E-07	2.07E-08	5.25E-07
1731	565907.6	4222241	2.12E-06	2.58E-06	1.36E-07	4.84E-06	1.12E-06	2.83E-06	1.36E-07	4.09E-06	2.78E-07	5.05E-07	4.46E-08	8.27E-07	2.15E-07	2.81E-07	2.03E-08	5.16E-07
1732	565907.6	4222232	2.08E-06	2.54E-06	1.34E-07	4.75E-06	1.10E-06	2.78E-06	1.34E-07	4.02E-06	2.73E-07	4.96E-07	4.38E-08	8.13E-07	2.11E-07	2.76E-07	2.00E-08	5.07E-07
1733	565927.7	4222279	2.11E-06	2.58E-06	1.36E-07	4.83E-06	1.12E-06	2.83E-06	1.36E-07	4.08E-06	2.77E-07	5.04E-07	4.45E-08	8.26E-07	2.15E-07	2.81E-07	2.03E-08	5.16E-07
1734	565927.7	4222270	2.08E-06	2.54E-06	1.34E-07	4.76E-06	1.10E-06	2.79E-06	1.34E-07	4.03E-06	2.74E-07	4.97E-07	4.39E-08	8.15E-07	2.12E-07	2.77E-07	2.00E-08	5.08E-07
1735	565927.6	4222260	2.05E-06	2.51E-06	1.32E-07	4.69E-06	1.09E-06	2.75E-06	1.32E-07	3.97E-06	2.70E-07	4.90E-07	4.32E-08	8.03E-07	2.09E-07	2.73E-07	1.97E-08	5.01E-07
1736	565927.6	4222251	2.02E-06	2.47E-06	1.30E-07	4.62E-06	1.07E-06	2.71E-06	1.30E-07	3.91E-06	2.65E-07	4.82E-07	4.26E-08	7.90E-07	2.05E-07	2.69E-07	1.94E-08	4.93E-07
1737	565927.6	4222241	1.99E-06	2.43E-06	1.28E-07	4.55E-06	1.05E-06	2.66E-06	1.28E-07	3.85E-06	2.61E-07	4.75E-07	4.19E-08	7.78E-07	2.02E-07	2.64E-07	1.91E-08	4.86E-07
1738	565927.6	4222232	1.96E-06	2.39E-06	1.26E-07	4.47E-06	1.04E-06	2.62E-06	1.26E-07	3.78E-06	2.57E-07	4.67E-07	4.12E-08	7.65E-07	1.99E-07	2.60E-07	1.88E-08	4.77E-07
1739	565947.6	4222260	1.93E-06	2.36E-06	1.24E-07	4.41E-06	1.02E-06	2.58E-06	1.24E-07	3.73E-06	2.53E-07	4.60E-07	4.06E-08	7.54E-07	1.96E-07	2.56E-07	1.85E-08	4.71E-07
1740	565947.6	4222251	1.9E-06	2.32E-06	1.22E-07	4.35E-06	1.01E-06	2.55E-06	1.22E-07	3.68E-06	2.50E-07	4.54E-07	4.01E-08	7.44E-07	1.93E-07	2.53E-07	1.83E-08	4.64E-07
1741	565947.6	4222241	1.87E-06	2.29E-06	1.21E-07	4.28E-06	9.93E-07	2.51E-06	1.21E-07	3.62E-06	2.46E-07	4.47E-07	3.94E-08	7.32E-07	1.90E-07	2.49E-07	1.80E-08	4.57E-07
1742	565947.6	4222232	1.84E-06	2.25E-06	1.19E-07	4.21E-06	9.77E-07	2.47E-06	1.19E-07	3.56E-06	2.42E-07	4.40E-07	3.88E-08	7.21E-07	1.87E-07	2.45E-07	1.77E-08	4.50E-07
1743	565967.7	4222279	1.86E-06	2.28E-06	1.20E-07	4.26E-06	9.88E-07	2.50E-06	1.20E-07	3.60E-06	2.45E-07	4.45E-07	3.92E-08	7.29E-07	1.89E-07	2.48E-07	1.79E-08	4.55E-07
1744	565987.7	4222288	1.78E-06	2.17E-06	1.15E-07	4.07E-06	9.44E-07	2.38E-06	1.15E-07	3.44E-06	2.34E-07	4.25E-07	3.75E-08	6.96E-07	1.81E-07	2.36E-07	1.71E-08	4.34E-07
1745	565987.7	4222279	1.76E-06	2.15E-06	1.13E-07	4.02E-06	9.33E-07	2.36E-06	1.13E-07	3.40E-06	2.31E-07	4.20E-07	3.71E-08	6.88E-07	1.79E-07	2.34E-07	1.69E-08	4.30E-07
1746	565987.7	4222269	1.74E-06	2.12E-06	1.12E-07	3.97E-06	9.22E-07	2.33E-06	1.12E-07	3.36E-06	2.28E-07	4.15E-07	3.66E-08	6.80E-07	1.77E-07	2.31E-07	1.67E-08	4.24E-07
1747	565987.6	4222260	1.71E-06	2.09E-06	1.10E-07	3.92E-06	9.09E-07	2.30E-06	1.10E-07	3.32E-06	2.25E-07	4.09E-07	3.61E-08	6.70E-07	1.74E-07	2.28E-07	1.65E-08	4.19E-07
1748	566007.6	4222260	1.62E-06	1.98E-06	1.04E-07	3.71E-06	8.60E-07	2.17E-06	1.04E-07	3.14E-06	2.13E-07	3.87E-07	3.42E-08	6.35E-07	1.65E-07	2.16E-07	1.56E-08	3.96E-07
1749	566007.6	4222251	1.6E-06	1.95E-06	1.03E-07	3.66E-06	8.48E-07	2.14E-06	1.03E-07	3.09E-06	2.10E-07	3.82E-07	3.37E-08	6.25E-07	1.63E-07	2.13E-07	1.54E-08	3.90E-07
1750	566007.6	4222241	1.58E-06	1.93E-06	1.02E-07	3.61E-06	8.36E-07	2.11E-06	1.02E-07	3.05E-06	2.07E-07	3.76E-07	3.32E-08	6.17E-07	1.60E-07	2.10E-07	1.52E-08	3.85E-07
1751	566027.7	4222279	1.57E-06	1.92E-06	1.01E-07	3.60E-06	8.35E-07	2.11E-06	1.01E-07	3.04E-06	2.07E-07	3.76E-07	3.32E-08	6.16E-07	1.60E-07	2.09E-07	1.51E-08	3.84E-07
1752	566027.7	4222269	1.56E-06	1.9E-06	1.00E-07	3.56E-06	8.26E-07	2.08E-06	1.00E-07	3.01E-06	2.04E-07	3.71E-07	3.28E-08	6.09E-07	1.58E-07	2.07E-07	1.50E-08	3.80E-07
1753	566027.6	4222260	1.54E-06	1.88E-06	9.90E-08	3.52E-06	8.16E-07	2.06E-06	9.90E-08	2.98E-06	2.02E-07	3.67E-07	3.24E-08	6.02E-07	1.56E-07	2.04E-07	1.48E-08	3.76E-07
1754	566027.6	4222250	1.52E-06	1.86E-06	9.78E-08	3.47E-06	8.06E-07	2.04E-06	9.78E-08	2.94E-06	2.00E-07	3.63E-07	3.20E-08	5.94E-07	1.54E-07	2.02E-07	1.46E-08	3.71E-07
1755	566027.6	4222241	1.5E-06	1.83E-06	9.65E-08	3.43E-06	7.95E-07	2.01E-06	9.65E-08	2.90E-06	1.97E-07	3.58E-07	3.16E-08	5.86E-07	1.52E-07	1.99E-07	1.44E-08	3.66E-07
1756	566027.6	4222232	1.48E-06	1.8E-06	9.51E-08	3.38E-06	7.83E-07	1.98E-06	9.51E-08	2.86E-06	1.94E-07	3.52E-07	3.11E-08	5.78E-07	1.50E-07	1.96E-07	1.42E-08	3.61E-07
1757	566047.7	4222279	1.49E-06	1.82E-06	9.59E-08	3.41E-06	7.90E-07	1.99E-06	9.59E-08	2.88E-06	1.96E-07	3.55E-07	3.14E-08	5.83E-07	1.51E-07	1.98E-07	1.43E-08	3.64E-07

1758	566047.7	4222269	1.47E-06	1.8E-06	9.48E-08	3.37E-06	7.81E-07	1.97E-06	9.48E-08	2.85E-06	1.93E-07	3.51E-07	3.10E-08	5.76E-07	1.50E-07	1.96E-07	1.42E-08	3.60E-07
1759	566047.6	4222260	1.46E-06	1.78E-06	9.37E-08	3.33E-06	7.72E-07	1.95E-06	9.37E-08	2.81E-06	1.91E-07	3.47E-07	3.07E-08	5.69E-07	1.48E-07	1.93E-07	1.40E-08	3.55E-07
1760	566047.6	4222250	1.44E-06	1.76E-06	9.25E-08	3.29E-06	7.62E-07	1.92E-06	9.25E-08	2.78E-06	1.89E-07	3.43E-07	3.03E-08	5.62E-07	1.46E-07	1.91E-07	1.38E-08	3.51E-07
1761	566047.6	4222241	1.42E-06	1.73E-06	9.13E-08	3.24E-06	7.52E-07	1.90E-06	9.13E-08	2.74E-06	1.86E-07	3.38E-07	2.99E-08	5.54E-07	1.44E-07	1.88E-07	1.36E-08	3.46E-07
1762	566047.6	4222232	1.4E-06	1.71E-06	8.99E-08	3.19E-06	7.40E-07	1.87E-06	8.99E-08	2.70E-06	1.83E-07	3.33E-07	2.94E-08	5.46E-07	1.42E-07	1.85E-07	1.34E-08	3.41E-07
1763	566067.7	4222279	1.41E-06	1.72E-06	9.08E-08	3.22E-06	7.48E-07	1.89E-06	9.08E-08	2.73E-06	1.85E-07	3.37E-07	2.97E-08	5.51E-07	1.43E-07	1.87E-07	1.36E-08	3.44E-07
1764	566067.7	4222269	1.39E-06	1.7E-06	8.96E-08	3.18E-06	7.38E-07	1.86E-06	8.96E-08	2.69E-06	1.83E-07	3.32E-07	2.93E-08	5.45E-07	1.42E-07	1.85E-07	1.34E-08	3.40E-07
1765	566067.6	4222260	1.37E-06	1.68E-06	8.85E-08	3.14E-06	7.29E-07	1.84E-06	8.85E-08	2.66E-06	1.81E-07	3.28E-07	2.89E-08	5.37E-07	1.40E-07	1.83E-07	1.32E-08	3.35E-07
1766	566067.6	4222250	1.36E-06	1.66E-06	8.72E-08	3.10E-06	7.19E-07	1.81E-06	8.72E-08	2.62E-06	1.78E-07	3.23E-07	2.85E-08	5.30E-07	1.38E-07	1.80E-07	1.30E-08	3.31E-07
1767	566087.7	4222279	1.33E-06	1.62E-06	8.55E-08	3.04E-06	7.04E-07	1.78E-06	8.55E-08	2.57E-06	1.74E-07	3.17E-07	2.80E-08	5.20E-07	1.35E-07	1.77E-07	1.28E-08	3.24E-07
1768	566087.6	4222241	1.26E-06	1.54E-06	8.10E-08	2.88E-06	6.67E-07	1.68E-06	8.10E-08	2.43E-06	1.65E-07	3.00E-07	2.65E-08	4.92E-07	1.28E-07	1.67E-07	1.21E-08	3.07E-07
1769	566087.6	4222231	1.24E-06	1.51E-06	7.98E-08	2.83E-06	6.57E-07	1.66E-06	7.98E-08	2.40E-06	1.63E-07	2.96E-07	2.61E-08	4.84E-07	1.26E-07	1.65E-07	1.19E-08	3.02E-07
1770	566107.7	4222269	1.24E-06	1.52E-06	7.99E-08	2.84E-06	6.58E-07	1.66E-06	7.99E-08	2.40E-06	1.63E-07	2.96E-07	2.62E-08	4.86E-07	1.26E-07	1.65E-07	1.19E-08	3.03E-07
1771	566107.6	4222260	1.23E-06	1.5E-06	7.89E-08	2.80E-06	6.50E-07	1.64E-06	7.89E-08	2.37E-06	1.61E-07	2.92E-07	2.58E-08	4.79E-07	1.25E-07	1.63E-07	1.18E-08	2.99E-07
1772	566107.6	4222250	1.21E-06	1.48E-06	7.78E-08	2.76E-06	6.41E-07	1.62E-06	7.78E-08	2.34E-06	1.59E-07	2.88E-07	2.55E-08	4.73E-07	1.23E-07	1.61E-07	1.16E-08	2.95E-07
1773	566107.6	4222241	1.19E-06	1.46E-06	7.67E-08	2.72E-06	6.32E-07	1.60E-06	7.67E-08	2.30E-06	1.56E-07	2.84E-07	2.51E-08	4.66E-07	1.21E-07	1.58E-07	1.14E-08	2.91E-07
1774	566107.6	4222231	1.17E-06	1.43E-06	7.56E-08	2.68E-06	6.22E-07	1.57E-06	7.56E-08	2.27E-06	1.54E-07	2.80E-07	2.47E-08	4.59E-07	1.19E-07	1.56E-07	1.13E-08	2.87E-07
1775	565574.7	4222217	8.03E-06	9.81E-06	5.17E-07	1.84E-05	4.26E-06	1.08E-05	5.17E-07	1.55E-05	1.05E-06	1.92E-06	1.69E-07	3.14E-06	8.16E-07	1.07E-06	7.72E-08	1.96E-06
1776	565576.2	4222197	6.61E-06	8.07E-06	4.25E-07	1.51E-05	3.50E-06	8.85E-06	4.25E-07	1.28E-05	8.68E-07	1.58E-06	1.39E-07	2.58E-06	6.72E-07	8.78E-07	6.35E-08	1.61E-06
1777	565579.9	4222206	7.05E-06	8.6E-06	4.53E-07	1.61E-05	3.74E-06	9.43E-06	4.53E-07	1.36E-05	9.25E-07	1.68E-06	1.48E-07	2.75E-06	7.16E-07	9.36E-07	6.77E-08	1.72E-06
1778	565583.7	4222215	7.47E-06	9.12E-06	4.81E-07	1.71E-05	3.96E-06	1.00E-05	4.81E-07	1.44E-05	9.81E-07	1.78E-06	1.57E-07	2.92E-06	7.59E-07	9.93E-07	7.18E-08	1.82E-06
1779	565587.4	4222224	7.89E-06	9.63E-06	5.08E-07	1.80E-05	4.18E-06	1.06E-05	5.08E-07	1.53E-05	1.04E-06	1.88E-06	1.66E-07	3.08E-06	8.02E-07	1.05E-06	7.58E-08	1.93E-06
1780	565575.6	4222172	5.25E-06	6.41E-06	3.38E-07	1.20E-05	2.78E-06	7.03E-06	3.38E-07	1.01E-05	6.89E-07	1.25E-06	1.11E-07	2.05E-06	5.33E-07	6.97E-07	5.04E-08	1.28E-06
1781	565579.2	4222181	5.61E-06	6.85E-06	3.61E-07	1.28E-05	2.97E-06	7.51E-06	3.61E-07	1.08E-05	7.37E-07	1.34E-06	1.18E-07	2.19E-06	5.70E-07	7.45E-07	5.39E-08	1.37E-06
1782	565582.8	4222189	5.98E-06	7.3E-06	3.85E-07	1.37E-05	3.17E-06	8.01E-06	3.85E-07	1.16E-05	7.85E-07	1.43E-06	1.26E-07	2.34E-06	6.08E-07	7.95E-07	5.75E-08	1.46E-06
1783	565586.5	4222198	6.35E-06	7.76E-06	4.09E-07	1.45E-05	3.37E-06	8.51E-06	4.09E-07	1.23E-05	8.35E-07	1.52E-06	1.34E-07	2.48E-06	6.46E-07	8.44E-07	6.11E-08	1.55E-06
1784	565590.1	4222207	6.72E-06	8.21E-06	4.33E-07	1.54E-05	3.57E-06	9.00E-06	4.33E-07	1.30E-05	8.83E-07	1.60E-06	1.42E-07	2.63E-06	6.83E-07	8.93E-07	6.46E-08	1.64E-06
1785	565593.7	4222215	7.08E-06	8.65E-06	4.56E-07	1.62E-05	3.76E-06	9.48E-06	4.56E-07	1.37E-05	9.30E-07	1.69E-06	1.49E-07	2.77E-06	7.20E-07	9.41E-07	6.81E-08	1.73E-06
1786	565597.3	4222224	7.43E-06	9.08E-06	4.78E-07	1.70E-05	3.94E-06	9.95E-06	4.78E-07	1.44E-05	9.76E-07	1.77E-06	1.56E-07	2.91E-06	7.55E-07	9.87E-07	7.14E-08	1.81E-06
1787	565582.5	4222165	4.82E-06	5.89E-06	3.10E-07	1.10E-05	2.56E-06	6.46E-06	3.10E-07	9.32E-06	6.33E-07	1.15E-06	1.02E-07	1.89E-06	4.90E-07	6.41E-07	4.63E-08	1.18E-06
1788	565586	4222173	5.13E-06	6.27E-06	3.30E-07	1.17E-05	2.72E-06	6.87E-06	3.30E-07	9.93E-06	6.74E-07	1.22E-06	1.08E-07	2.01E-06	5.22E-07	6.82E-07	4.93E-08	1.25E-06
1789	565589.5	4222182	5.45E-06	6.66E-06	3.51E-07	1.25E-05	2.89E-06	7.30E-06	3.51E-07	1.05E-05	7.16E-07	1.30E-06	1.15E-07	2.13E-06	5.54E-07	7.24E-07	5.24E-08	1.33E-06
1790	565593.1	4222190	5.77E-06	7.05E-06	3.72E-07	1.32E-05	3.06E-06	7.73E-06	3.72E-07	1.12E-05	7.58E-07	1.38E-06	1.22E-07	2.26E-06	5.87E-07	7.67E-07	5.55E-08	1.41E-06
1791	565596.6	4222199	6.09E-06	7.44E-06	3.92E-07	1.39E-05	3.23E-06	8.16E-06	3.92E-07	1.18E-05	8.00E-07	1.45E-06	1.28E-07	2.38E-06	6.19E-07	8.10E-07	5.86E-08	1.49E-06
1792	565600.2	4222207	6.41E-06	7.83E-06	4.13E-07	1.47E-05	3.40E-06	8.58E-06	4.13E-07	1.24E-05	8.42E-07	1.53E-06	1.35E-07	2.51E-06	6.51E-07	8.52E-07	6.16E-08	1.56E-06
1793	565603.7	4222216	6.72E-06	8.2E-06	4.32E-07	1.54E-05	3.56E-06	8.99E-06	4.32E-07	1.30E-05	8.82E-07	1.60E-06	1.41E-07	2.63E-06	6.82E-07	8.92E-07	6.45E-08	1.64E-06
1794	565607.2	4222224	7.01E-06	8.56E-06	4.51E-07	1.60E-05	3.71E-06	9.38E-06	4.51E-07	1.35E-05	9.20E-07	1.67E-06	1.48E-07	2.74E-06	7.12E-07	9.31E-07	6.73E-08	1.71E-06
1795	565577.5	4222146	4.15E-06	5.07E-06	2.67E-07	9.50E-06	2.20E-06	5.56E-06	2.67E-07	8.03E-06	5.46E-07	9.91E-07	8.75E-08	1.62E-06	4.22E-07	5.52E-07	3.99E-08	1.01E-06
1796	565589.3	4222158	4.45E-06	5.44E-06	2.87E-07	1.02E-05	2.36E-06	5.96E-06	2.87E-07	8.61E-06	5.85E-07	1.06E-06	9.38E-08	1.74E-06	4.53E-07	5.92E-07	4.28E-08	1.09E-06
1797	565592.8	4222166	4.72E-06	5.77E-06	3.04E-07	1.08E-05	2.50E-06	6.33E-06	3.04E-07	9.13E-06	6.20E-07	1.13E-06	9.95E-08	1.85E-06	4.80E-07	6.28E-07	4.54E-08	1.15E-06
1798	565599.8	4222183	5.28E-06	6.45E-06	3.40E-07	1.21E-05	2.80E-06	7.07E-06	3.40E-07	1.02E-05	6.93E-07	1.26E-06	1.11E-07	2.06E-06	5.37E-07	7.01E-07	5.07E-08	1.29E-06
1799	565603.2	4222191	5.56E-06	6.79E-06	3.58E-07	1.27E-05	2.95E-06	7.45E-06	3.58E-07	1.08E-05	7.30E-07	1.33E-06	1.17E-07	2.17E-06	5.65E-07	7.39E-07	5.34E-08	1.36E-06
1800	565610.2	4222208	6.11E-06	7.46E-06	3.93E-07	1.40E-05	3.24E-06	8.18E-06	3.93E-07	1.18E-05	8.02E-07	1.46E-06	1.29E-07	2.39E-06	6.21E-07	8.12E-07	5.87E-08	1.49E-06
1801	565583.7	4222139	3.86E-06	4.72E-06	2.49E-07	8.83E-06	2.05E-06	5.17E-06	2.49E-07	7.47E-06	5.07E-07	9.22E-07	8.14E-08	1.51E-06	3.93E-07	5.13E-07	3.71E-08	9.43E-07
1802	565596.6	4222151	4.16E-06	5.08E-06	2.67E-07	9.50E-06	2.20E-06	5.56E-06	2.67E-07	8.04E-06	5.46E-07	9.92E-07	8.75E-08	1.62E-06	4.22E-07	5.52E-07	3.99E-08	1.01E-06
1803	565600.3	4222160	4.42E-06	5.39E-06	2.84E-07	1.01E-05	2.34E-06	5.91E-06	2.84E-07	8.54E-06	5.80E-07	1.05E-06	9.30E-08	1.73E-06	4.49E-07	5.87E-07	4.24E-08	1.08E-06
1804	565604.1	4222169	4.68E-06	5.72E-06	3.01E-07	1.07E-05	2.48E-06	6.27E-06	3.01E-07	9.06E-06	6.15E-07	1.12E-06	9.86E-08	1.83E-06	4.76E-07	6.22E-07	4.50E-08	1.14E-06
1805	565607.9	4222178	4.95E-06	6.05E-06	3.19E-07	1.13E-05	2.63E-06	6.63E-06	3.19E-07	9.58E-06	6.51E-07	1.18E-06	1.04E-07	1.94E-06	5.04E-07	6.58E-07	4.76E-08	1.21E-06
1806	565611.6	4222187	5.23E-06	6.38E-06	3.36E-07	1.19E-05	2.77E-06	7.00E-06	3.36E-07	1.01E-05	6.86E-07	1.25E-06	1.10E-07	2.04E-06	5.31E-07	6.94E-07	5.02E-08	1.28E-06
1807	565626.7	4222224	6.23E-06	7.61E-06	4.01E-07	1.42E-05	3.30E-06	8.34E-06	4.01E-07	1.20E-05	8.18E-07	1.49E-06	1.31E-07	2.44E-06	6.33E-07	8.28E-07	5.98E-08	1.52E-06
1808	565582	4222128	3.56E-06	4.35E-06	2.29E-07	8.15E-06	1.89E-06	4.77E-06	2.29E-07	6.89E-06	4.68E-07	8.50E-07	7.51E-08	1.39E-06	3.62E-07	4.73E-07	3.42E-08	8.70E-07
1809	565590.9	4222132	3.61E-06	4.41E-06	2.32E-07	8.25E-06	1.91E-06	4.83E-06	2.32E-07	6.98E-06	4.74E-07	8.61E-07	7.60E-08	1.41E-06	3.67E-07	4.80E-07	3.47E-08	8.81E-07
1810	565603.4	4222144	3.87E-06	4.72E-06	2.49E-07	8.84E-06	2.05E-06	5.18E-06	2.49E-07	7.48E-06	5.08E-07	9.23E-07	8.14E-08	1.51E-06	3.93E-07	5.14E-07	3.72E-08	9.44E-07
1811	565607.1	4222153	4.09E-06	5E-06	2.64E-07	9.36E-06	2.17E-06	5.48E-06	2.64E-07	7.92E-06	5.38E-07	9.77E-07	8.62E-08	1.60E-06	4.16E-07	5.44E-07	3.93E-08	9.99E-07
1812	565610.8	4222162	4.33E-06	5.29E-06	2.79E-07	9.89E-06	2.30E-06	5.80E-06	2.79E-07	8.37E-06	5.68E-07	1.03E-06	9.12E-08	1.69E-06	4.40E-07	5.75E-07	4.16E-08	1.06E-06
1813	565614.5	4222171	4.57E-06	5.58E-06	2.94E-07	1.04E-05	2.42E-06	6.11E-06	2.94E-07	8.83E-06	6.00E-07	1.09E-06	9.62E-08	1.79E-06	4.64E-07	6.07E-07	4.39E-08	1.11E-06
1814	565629.2	4222206	5.49E-06	6.71E-06	3.54E-07	1.26E-05	2.91E-06	7.35E-06	3.54E-07	1.06E-05	7.21E-07	1.31E-06	1.16E-07	2.15E-06	5.58E-07	7.30E-07	5.28E-08	1.34E-06
1815	565632.9	4222215	5.71E-06	6.97E-06	3.67E-07	1.30E-05	3.03E-06	7.64E-06	3.67E-07	1.10E-05	7.49E-07	1.36E-06	1.20E-07	2.23E-06	5.80E-07	7.58E-07	5.48E-08	1.39E-06
1816	565636.6	4222224	5.91E-06	7.21E-06	3.80E-07	1.35E-05	3.13E-06	7.91E-06	3.80E-07	1.14E-05	7.76E-07	1.41E-06	1.24E-07	2.31E-06	6.00E-07	7.85E-07	5.68E-08	1.44E-06
1817	565580.6	4222118	3.29E-06	4.02E-06	2.12E-07	7.53E-06	1.75E-06	4.41E-06	2.12E-07	6.37E-06	4.32E-07	7.86E-07	6.94E-08	1.29E-06	3.35E-07	4.37E-07	3.16E-08	8.04E-07
1818	565589.3	4222121	3.34E-06	4.08E-06	2.15E-07	7.64E-06	1.77E-06	4.47E-06	2.15E-07	6.46E-06	4.39E-07	7.97E-07	7.04E-08	1.31E-06	3.40E-07	4.44E-07	3.21E-08	8.15E-07
1819	565598	4222125	3.38E-06	4.13E-06	2.18E-07	7.73E-06	1.79E-06	4.53E-06	2.18E-07	6.54E-06	4.44E-07	8.07E-07	7.12E-08	1.32E-06	3.44E-07	4.49E-07	3.25E-08	8.25E-07
1820	565610.3	4222137	3.61E-06	4.41E-06	2.32E-07	8.25E-06	1.91E-06	4.83E-06	2.32E-07	6.98E-06	4.74E-07	8.61E-07	7.60E-08	1.41E-06	3.67E-07	4.79E-07	3.47E-08	8.81E-07
1821	565613.9	4222146	3.81E-06	4.66E-06	2.45E-07	8.71E-06	2.02E-06	5.10E-06	2.45E-07	7.37E-06	5.01E-07	9.09E-07	8.03E-08	1.49E-06	3.87E-07	5.06E-07	3.66E-08	9.30E-07
1822	565632	4222189	4.85E-06	5.93E-06	3.12E-07	1.11E-05	2.57E-06	6.50E-06	3.12E-07	9.39E-06	6.37E-07	1.16E-06	1.02E-07	1.90E-06	4.93E-07	6.45E-07	4.66E-08	1.18E-06
1823	565635.7	4222198	5.06E-06	6.18E-06	3.25E-07	1.16E-05	2.68E-06	6.77E-06	3.25E-07	9.78E-06	6.64E-07	1.21E-06	1.07E-07	1.98E-06	5.14E-07	6.72E-07	4.86E-08	1.23E-06
1824	565639.3	4222206	5.25E-06	6.41E-06	3.38E-07	1.20E-05	2.78E-06	7.03E-06	3.38E-07	1.02E-05	6.90E-07	1.25E-06	1.11E-07	2.05E-06	5.34E-07	6.98E-07	5.05E-08	1.28E-06
1825	565642.9	4222215	5.44E-06	6.64E-06	3.50E-07	1.24E-05	2.88E-06	7.28E-06	3.50E-07	1.05E-05	7.14E-07	1.30E-06	1.14E-07	2.13E-06	5.52E-07	7.22E-07	5.22E-08	1.33E-06
1826	565646.5	4222224	5.61E-06	6.85E-06	3.61E-07	1.28E-05	2.97E-06	7.51E-06	3.61E-07	1.08E-05	7.37E-07	1.34E-06	1.18E-07	2.19E-06	5.70E-07	7.45E-07	5.39E-08	1.37E-06
1827	565587.9	4222111	3.1E-06	3.78E-06	1.99E-07	7.08E-06	1.64E-06	4.15E-06	1.99E-07	5.99E-06	4.07E-07	7.39E-07	6.52E-08	1.21E-06	3.15E-07	4.12E-07	2.98E-08	7.56E-07
1828	565596.5	4222114	3.14E-06	3.84E-06	2.02E-07	7.18E-06	1.66E-06	4.20E-06	2.02E-07	6.07E-06	4.12E-07	7.49E-07	6.61E-08	1.23E-06	3.19E-07	4.17E-07	3.02E-08	7.66E-07
1829	565605	4222118	3.18E-06	3.88E-06	2.04E-07	7.26E-06	1.68E-06	4.25E-06	2.04E-07	6.14E-06	4.17E-07	7.58E-07	6.69E-08	1.24E-06	3.23E-07	4.22E-07	3.05E-08	7.75E-07
1830	565617.2	4222130	3.38E-06	4.13E-06	2.17E-07	7.72E-06	1.79E-06	4.52E-06	2.17E-07	6.53E-06	4.44E-07	8.06E-07	7.11E-08	1.32E-06	3.43E-07	4.49E-07	3.25E-08	8.25E-07
1831	565635	4222173	4.3E-06	5.26E-06	2.77E-07	9.84E-06	2.28E-06	5.76E-06	2.77E-07	8.32E-06	5.65E-07	1.03E-06	9.07E-08	1.68E-06	4.37E-07	5.72E-07	4.14E-08	1.05E-06
1832	565638.6	4222181	4.49E-06	5.49E-06	2.89E-07	1.03E-05	2.38E-06	6.01E-06	2.89E-07	8.68E-06	5.90E-07	1.07E-06	9.46E-08	1.76E-06	4.56E-07	5.97E-07	4.32E-08	1.10E-06
1833	565642.2	4222190	4.67E-06	5.71E-06	3.01E-07	1.07E-05	2.48E-06	6.26E-06	3.01E-07	9.04E-06	6.14E-07	1.12E-06	9.85E-08	1.83E-06	4.75E-07	6.21E-07	4.49E-08	1.14E-06
1834	565645.7	4222198	4.85E-06	5.93E-06	3.12E-07	1.11E-05	2.57E-06	6.50E-06	3.12E-07	9.38E-06	6.37E-07	1.16E-06	1.02E-07	1.90E-06	4.93E-07	6.45E-07	4.66E-08	1.18E-06
1835	565649.3	4222207	5.02E-06	6.13E-06	3.23E-07	1.15E-05	2.66E-06	6.72E-06	3.23E-07	9.71E-06	6.60E-07	1.20E-06	1.06E-07	1.96E-06	5.10E-07	6.67E-07	4.83E-08	1.23E-06
1836	565652.9	4222215	5.18E-06	6.33E-06	3.34E-07	1.18E-05	2.75E-06	6.94E-06	3.34E-07	1.00E-05	6.81E-07	1.24E-06	1.09E-07	2.03E-06	5.27E-07	6.89E-07	4.98E-08	1.27E-06
1837	565656.4	4222224	5.33E-06	6.51E-06	3.43E-07	1.22E-05	2.83E-06	7.14E-06	3.43E-07	1.03E-05	7.01E-07	1.27E-06	1.12E-07	2.09E-06	5.42E-07	7.09E-07	5.13E-08	1.30E-06
1838	565593.2	4222103	2.91E-06	3.56E-06	1.87E-07	6.65E-06	1.54E-06	3.90E-06	1.87E-07	5.63E-06	3.82E-07	6.95E-07	6.13E-08	1.14E-06	2.96E-07	3.87E-07	2.80E-08	7.11E-07
1839	565602.4	4222107	2.95E-06	3.61E-06	1.90E-07	6.75E-06	1.57E-06	3.95E-06	1.90E-07	5.71E-06	3.88E-07	7.04E-07	6.22E-08	1.15E-06	3.00E-07	3.92E-07	2.84E-08	7.21E-07
1840	565611.5	4222111	2.99E-06	3.65E-06	1.92E-07	6.83E-06	1.58E-06	4.00E-06	1.92E-07	5.78E-06	3.92E-07	7.13E-07	6.29E-08	1.17E-06	3.04E-07	3.97E-07	2.87E-08	7.29E-07
1841	565639.5	4222160	3.9E-06	4.76E-06	2.51E-07	8.91E-06	2.07E-06	5.22E-06	2.51E-07	7.54E-06	5.12E-07	9.30E-07	8.21E-08	1.52E-06	3.96E-07	5.18E-07	3.75E-08	9.52E-07
1842	565643.3	4222169	4.08E-06	4.99E-06	2.63E-07	9.33E-06	2.16E-06	5.47E-06	2.63E-07	7.89E-06	5.36E-07	9.74E-07	8.60E-08	1.60E-06	4.15E-07	5.42E-07	3.92E-08	9.96E-07
1843	565647.1	4222178	4.26E-06	5.21E-06	2.74E-07	9.74E-06	2.26E-06	5.71E-06	2.74E-07	8.24E-06	5.60E-07	1.02E-06	8.98E-08	1.67E-06	4.33E-07	5.66E-07	4.09E-08	1.04E-06
1844	565650.9	4222187	4.44E-06	5.42E-06	2.86E-07	1.01E-05	2.35E-06	5.94E-06	2.86E-07	8.58E-06	5.83E-07	1.06E-06	9.35E-08	1.73E-06	4.51E-07	5.89E-07	4.26E-08	1.08E-06
1845	565654.7	4222196	4.61E-06	5.63E-06	2.97E-07	1.05E-05	2.44E-06	6.17E-06	2.97E-07	8.91E-06	6.05E-07	1.10E-06	9.70E-08	1.80E-06	4.68E-07	6.12E-07	4.43E-08	1.12E-06
1846	565658.5	4222205	4.77E-06	5.83E-06	3.07E-07	1.09E-05	2.53E-06	6.39E-06	3.07E-07	9.23E-06	6.27E-07	1.14E-06	1.00E-07	1.87E-06	4.85E-07	6.34E-07	4.58E-08	1.16E-06
1847	565662.2	4222214	4.93E-06	6.02E-06	3.17E-07	1.13E-05	2.61E-06	6.60E-06	3.17E-07	9.52E-06	6.47E-07	1.18E-06	1.04E-07	1.93E-06	5.01E-07	6.54E-07	4.73E-08	1.20E-06
1848	565666	4222223	5.07E-06	6.19E-06	3.26E-07	1.16E-05	2.69E-06	6.79E-06	3.26E-07	9.80E-06	6.66E-07	1.21E-06	1.07E-07	1.98E-06	5.15E-07	6.73E-07	4.87E-08	1.24E-06
1849	565582.7	4222089	2.66E-06	3.25E-06	1.71E-07	6.09E-06	1.41E-06	3.57E-06	1.71E-07	5.15E-06	3.50E-07	6.35E-07	5.61E-08	1.04E-06	2.71E-07	3.54E-07	2.56E-08	6.50E-07
1850	565591.7	4222093	2.71E-06	3.31E-06	1.74E-07	6.19E-06	1.44E-06	3.63E-06	1.74E-07	5.24E-06	3.56E-07	6.46E-07	5.71E-08	1.06E-06	2.75E-07	3.60E-07	2.60E-08	6.61E-07
1851	565600.6	4222096	2.75E-06	3.36E-06	1.77E-07	6.29E-06	1.46E-06	3.68E-06	1.77E-07	5.32E-06	3.61E-07	6.56E-07	5.79E-08	1.08E-06	2.80E-07	3.65E-07	2.64E-08	6.71E-07
1852	565609.6	4222100	2.79E-06	3.4E-06	1.79E-07	6.37E-06	1.48E-06	3.73E-06	1.79E-07	5.39E-06	3.66E-07	6.65E-07	5.87E-08	1.09E-06	2.83E-07	3.70E-07	2.68E-08	6.80E-07
1853	565618.5	4222104	2.82E-06	3.44E-06	1.81E-07	6.44E-06	1.49E-06	3.77E-06	1.81E-07	5.45E-06	3.70E-07	6.73E-07	5.94E-08	1.10E-06	2.86E-07	3.74E-07	2.71E-08	6.88E-07
1854	565646.1	4222152	3.64E-06	4.44E-06	2.34E-07	8.31E-06	1.93E-06	4.87E-06	2.34E-07	7.03E-06	4.78E-07	8.68E-07	7.66E-08	1.42E-06	3.70E-07	4.83E-07	3.49E-08	8.88E-07
1855	565649.9	4222161	3.8E-06	4.64E-06	2.45E-07	8.69E-06	2.01E-06	5.09E-06	2.45E-07	7.35E-06	4.99E-07	9.07E-07	8.00E-08	1.49E-06	3.86E-07	5.05E-07	3.65E-08	9.28E-07
1856	565653.6	4222170	3.96E-06	4.84E-06	2.55E-07	9.06E-06	2.10E-06	5.31E-06	2.55E-07	7.66E-06	5.20E-07	9.45E-07	8.35E-08	1.55E-06	4.03E-07	5.26E-07	3.81E-08	9.67E-07
1857	565657.3	4222179	4.12E-06	5.03E-06	2.65E-07	9.42E-06	2.19E-06	5.52E-06	2.65E-07	7.97E-06	5.41E-07	9.84E-07	8.68E-08	1.61E-06	4.19E-07	5.48E-07	3.96E-08	1.01E-06
1858	565661	4222188	4.28E-06	5.22E-06	2.75E-07	9.78E-06	2.27E-06	5.73E-06	2.75E-07	8.27E-06	5.62E-07	1.02E-06	9.01E-08	1.67E-06	4.35E-07	5.68E-07	4.11E-08	1.04E-06
1859	565664.8	4222197	4.43E-06	5.41E-06	2.85E-07	1.01E-05	2.35E-06	5.93E-06	2.85E-07	8.56E-06	5.82E-07	1.06E-06	9.33E-08	1.73E-06	4.50E-07	5.88E-07	4.26E-08	1.08E-06
1860	565668.5	4222206	4.57E-06	5.59E-06	2.94E-07	1.05E-05	2.42E-06	6.12E-06	2.94E-07	8.84E-06	6.01E-07	1.09E-06	9.63E-08	1.79E-06	4.65E-07	6.08E-07	4.39E-08	1.12E-06
1861	565672.2	4222215	4.71E-06	5.75E-06	3.03E-07	1.08E-05	2.50E-06	6.31E-06	3.03E-07	9.11E-06	6.18E-07	1.12E-06	9.92E-08	1.84E-06	4.79E-07	6.26E-07	4.53E-08	1.15E-06
1862	565675.9	4222224	4.83E-06	5.9E-06	3.11E-07	1.10E-05	2.56E-06	6.47E-06	3.11E-07	9.35E-06	6.35E-07	1.15E-06	1.02E-07	1.89E-06	4.91E-07	6.42E-07	4.64E-08	1.18E-06
1863	565590.3	4222082	2.53E-06	3.09E-06	1.63E-07	5.77E-06	1.34E-06	3.38E-06	1.63E-07	4.88E-06	3.32E-07	6.03E-07	5.32E-08	9.88E-07	2.57E-07	3.36E-07	2.43E-08	6.17E-07
1864	565599.2	4222086	2.57E-06	3.14E-06	1.65E-07	5.87E-06	1.36E-06	3.44E-06	1.65E-07	4.96E-06	3.37E-07	6.13E-07	5.41E-08	1.00E-06	2.61E-07	3.41E-07	2.47E-08	6.27E-07
1865	565608	4222090	2.6E-06	3.18E-06	1.68E-07	5.95E-06	1.38E-06	3.49E-06	1.68E-07	5.04E-06	3.42E-07	6.21E-07	5.49E-08	1.02E-06	2.65E-07	3.46E-07	2.50E-08	6.36E-07
1866	565616.8	4222093	2.64E-06	3.22E-06	1.70E-07	6.03E-06	1.40E-06	3.53E-06	1.70E-07	5.10E-06	3.46E-07	6.29E-07	5.55E-08	1.03E-06	2.68E-07	3.50E-07	2.53E-08	6.44E-07
1867	565645.5	4222127	3.11E-06	3.8E-06	2.00E-07	7.11E-06	1.65E-06	4.16E-06	2.00E-07	6.01E-06	4.08E-07	7.42E-07	6.55E-08	1.22E-06	3.16E-07	4.13E-07	2.99E-08	7.59E-07

1868	565649.1	4222136	3.25E-06	3.98E-06	2.09E-07	7.44E-06	1.73E-06	4.36E-06	2.09E-07	6.29E-06	4.27E-07	7.77E-07	6.85E-08	1.27E-06	3.31E-07	4.32E-07	3.13E-08	7.94E-07
1869	565656.5	4222153	3.55E-06	4.34E-06	2.29E-07	8.11E-06	1.88E-06	4.75E-06	2.29E-07	6.86E-06	4.66E-07	8.47E-07	7.48E-08	1.39E-06	3.61E-07	4.72E-07	3.41E-08	8.67E-07
1870	565660.1	4222162	3.7E-06	4.52E-06	2.38E-07	8.45E-06	1.96E-06	4.95E-06	2.38E-07	7.15E-06	4.86E-07	8.82E-07	7.79E-08	1.45E-06	3.76E-07	4.91E-07	3.55E-08	9.02E-07
1871	565663.8	4222171	3.84E-06	4.69E-06	2.47E-07	8.78E-06	2.04E-06	5.15E-06	2.47E-07	7.43E-06	5.05E-07	9.17E-07	8.09E-08	1.50E-06	3.91E-07	5.11E-07	3.69E-08	9.38E-07
1872	565667.5	4222180	3.98E-06	4.87E-06	2.56E-07	9.11E-06	2.11E-06	5.34E-06	2.56E-07	7.70E-06	5.23E-07	9.51E-07	8.39E-08	1.56E-06	4.05E-07	5.29E-07	3.83E-08	9.73E-07
1873	565671.1	4222188	4.12E-06	5.04E-06	2.65E-07	9.42E-06	2.19E-06	5.52E-06	2.65E-07	7.97E-06	5.41E-07	9.84E-07	8.68E-08	1.61E-06	4.19E-07	5.48E-07	3.96E-08	1.01E-06
1874	565674.8	4222197	4.26E-06	5.2E-06	2.74E-07	9.73E-06	2.26E-06	5.70E-06	2.74E-07	8.23E-06	5.59E-07	1.02E-06	8.97E-08	1.66E-06	4.33E-07	5.66E-07	4.09E-08	1.04E-06
1875	565678.5	4222206	4.38E-06	5.36E-06	2.82E-07	1.00E-05	2.32E-06	5.87E-06	2.82E-07	8.48E-06	5.76E-07	1.05E-06	9.23E-08	1.71E-06	4.46E-07	5.83E-07	4.21E-08	1.07E-06
1876	565682.2	4222215	4.5E-06	5.5E-06	2.90E-07	1.03E-05	2.39E-06	6.03E-06	2.90E-07	8.71E-06	5.91E-07	1.07E-06	9.49E-08	1.76E-06	4.58E-07	5.98E-07	4.33E-08	1.10E-06
1877	565685.8	4222224	4.61E-06	5.63E-06	2.97E-07	1.05E-05	2.45E-06	6.17E-06	2.97E-07	8.92E-06	6.06E-07	1.10E-06	9.71E-08	1.80E-06	4.69E-07	6.13E-07	4.43E-08	1.13E-06
1878	565589.2	4222072	2.36E-06	2.88E-06	1.52E-07	5.40E-06	1.25E-06	3.16E-06	1.52E-07	4.56E-06	3.10E-07	5.63E-07	4.97E-08	9.23E-07	2.40E-07	3.14E-07	2.27E-08	5.76E-07
1879	565597.9	4222076	2.4E-06	2.93E-06	1.55E-07	5.49E-06	1.27E-06	3.21E-06	1.55E-07	4.64E-06	3.15E-07	5.73E-07	5.06E-08	9.39E-07	2.44E-07	3.19E-07	2.31E-08	5.86E-07
1880	565606.6	4222079	2.44E-06	2.98E-06	1.57E-07	5.57E-06	1.29E-06	3.26E-06	1.57E-07	4.71E-06	3.20E-07	5.81E-07	5.13E-08	9.53E-07	2.48E-07	3.24E-07	2.34E-08	5.95E-07
1881	565615.3	4222083	2.47E-06	3.02E-06	1.59E-07	5.65E-06	1.31E-06	3.31E-06	1.59E-07	4.78E-06	3.24E-07	5.89E-07	5.20E-08	9.66E-07	2.51E-07	3.28E-07	2.37E-08	6.03E-07
1882	565645	4222102	2.67E-06	3.26E-06	1.72E-07	6.11E-06	1.42E-06	3.58E-06	1.72E-07	5.17E-06	3.51E-07	6.37E-07	5.63E-08	1.04E-06	2.71E-07	3.55E-07	2.57E-08	6.52E-07
1883	565648.6	4222111	2.8E-06	3.42E-06	1.80E-07	6.39E-06	1.48E-06	3.75E-06	1.80E-07	5.41E-06	3.67E-07	6.67E-07	5.89E-08	1.09E-06	2.84E-07	3.72E-07	2.69E-08	6.83E-07
1884	565652.2	4222119	2.93E-06	3.57E-06	1.88E-07	6.69E-06	1.55E-06	3.92E-06	1.88E-07	5.66E-06	3.84E-07	6.98E-07	6.16E-08	1.14E-06	2.97E-07	3.89E-07	2.81E-08	7.14E-07
1885	565655.9	4222128	3.06E-06	3.74E-06	1.97E-07	6.99E-06	1.62E-06	4.09E-06	1.97E-07	5.91E-06	4.02E-07	7.30E-07	6.44E-08	1.20E-06	3.11E-07	4.06E-07	2.94E-08	7.46E-07
1886	565659.5	4222137	3.19E-06	3.9E-06	2.05E-07	7.30E-06	1.69E-06	4.27E-06	2.05E-07	6.17E-06	4.19E-07	7.62E-07	6.72E-08	1.25E-06	3.24E-07	4.24E-07	3.07E-08	7.79E-07
1887	565670.4	4222163	3.59E-06	4.39E-06	2.31E-07	8.21E-06	1.91E-06	4.81E-06	2.31E-07	6.95E-06	4.72E-07	8.57E-07	7.57E-08	1.40E-06	3.65E-07	4.77E-07	3.45E-08	8.77E-07
1888	565674	4222172	3.72E-06	4.55E-06	2.40E-07	8.51E-06	1.97E-06	4.99E-06	2.40E-07	7.20E-06	4.89E-07	8.88E-07	7.84E-08	1.46E-06	3.78E-07	4.95E-07	3.58E-08	9.09E-07
1889	565677.6	4222180	3.85E-06	4.7E-06	2.48E-07	8.80E-06	2.04E-06	5.16E-06	2.48E-07	7.45E-06	5.06E-07	9.19E-07	8.11E-08	1.51E-06	3.91E-07	5.12E-07	3.70E-08	9.40E-07
1890	565681.2	4222189	3.98E-06	4.86E-06	2.56E-07	9.09E-06	2.11E-06	5.32E-06	2.56E-07	7.69E-06	5.22E-07	9.48E-07	8.37E-08	1.55E-06	4.04E-07	5.28E-07	3.82E-08	9.70E-07
1891	565684.8	4222198	4.09E-06	5E-06	2.64E-07	9.36E-06	2.17E-06	5.48E-06	2.64E-07	7.92E-06	5.38E-07	9.77E-07	8.62E-08	1.60E-06	4.16E-07	5.44E-07	3.93E-08	9.99E-07
1892	565688.5	4222206	4.21E-06	5.14E-06	2.71E-07	9.61E-06	2.23E-06	5.63E-06	2.71E-07	8.13E-06	5.52E-07	1.00E-06	8.86E-08	1.64E-06	4.27E-07	5.59E-07	4.04E-08	1.03E-06
1893	565692.1	4222215	4.31E-06	5.26E-06	2.77E-07	9.85E-06	2.29E-06	5.77E-06	2.77E-07	8.33E-06	5.66E-07	1.03E-06	9.08E-08	1.69E-06	4.38E-07	5.73E-07	4.14E-08	1.05E-06
1894	565695.7	4222224	4.41E-06	5.38E-06	2.84E-07	1.01E-05	2.34E-06	5.90E-06	2.84E-07	8.52E-06	5.79E-07	1.05E-06	9.28E-08	1.72E-06	4.48E-07	5.85E-07	4.23E-08	1.08E-06
1895	565593.5	4222064	2.23E-06	2.73E-06	1.44E-07	5.11E-06	1.18E-06	2.99E-06	1.44E-07	4.32E-06	2.93E-07	5.33E-07	4.71E-08	8.74E-07	2.27E-07	2.97E-07	2.15E-08	5.45E-07
1896	565602.6	4222068	2.27E-06	2.78E-06	1.46E-07	5.20E-06	1.21E-06	3.04E-06	1.46E-07	4.39E-06	2.99E-07	5.42E-07	4.79E-08	8.89E-07	2.31E-07	3.02E-07	2.18E-08	5.55E-07
1897	565611.8	4222071	2.31E-06	2.82E-06	1.49E-07	5.28E-06	1.22E-06	3.09E-06	1.49E-07	4.46E-06	3.03E-07	5.51E-07	4.86E-08	9.03E-07	2.35E-07	3.07E-07	2.22E-08	5.64E-07
1898	565652.1	4222096	2.54E-06	3.1E-06	1.63E-07	5.80E-06	1.34E-06	3.40E-06	1.63E-07	4.90E-06	3.33E-07	6.05E-07	5.34E-08	9.92E-07	2.58E-07	3.37E-07	2.44E-08	6.19E-07
1899	565655.9	4222105	2.66E-06	3.25E-06	1.71E-07	6.08E-06	1.41E-06	3.56E-06	1.71E-07	5.14E-06	3.49E-07	6.34E-07	5.60E-08	1.04E-06	2.70E-07	3.53E-07	2.55E-08	6.49E-07
1900	565659.7	4222114	2.78E-06	3.4E-06	1.79E-07	6.36E-06	1.48E-06	3.73E-06	1.79E-07	5.38E-06	3.66E-07	6.64E-07	5.86E-08	1.09E-06	2.83E-07	3.70E-07	2.67E-08	6.79E-07
1901	565663.5	4222123	2.91E-06	3.56E-06	1.87E-07	6.66E-06	1.54E-06	3.90E-06	1.87E-07	5.63E-06	3.82E-07	6.95E-07	6.13E-08	1.14E-06	2.96E-07	3.87E-07	2.80E-08	7.11E-07
1902	565667.3	4222132	3.04E-06	3.71E-06	1.96E-07	6.95E-06	1.61E-06	4.07E-06	1.96E-07	5.88E-06	3.99E-07	7.26E-07	6.40E-08	1.19E-06	3.09E-07	4.04E-07	2.92E-08	7.42E-07
1903	565671.1	4222141	3.17E-06	3.87E-06	2.04E-07	7.25E-06	1.68E-06	4.25E-06	2.04E-07	6.13E-06	4.16E-07	7.57E-07	6.68E-08	1.24E-06	3.22E-07	4.21E-07	3.05E-08	7.74E-07
1904	565682.6	4222169	3.56E-06	4.34E-06	2.29E-07	8.13E-06	1.89E-06	4.76E-06	2.29E-07	6.88E-06	4.67E-07	8.49E-07	7.49E-08	1.39E-06	3.62E-07	4.73E-07	3.42E-08	8.68E-07
1905	565686.4	4222178	3.68E-06	4.5E-06	2.37E-07	8.41E-06	1.95E-06	4.93E-06	2.37E-07	7.12E-06	4.83E-07	8.78E-07	7.75E-08	1.44E-06	3.74E-07	4.89E-07	3.54E-08	8.98E-07
1906	565690.2	4222187	3.8E-06	4.64E-06	2.45E-07	8.68E-06	2.01E-06	5.09E-06	2.45E-07	7.35E-06	4.99E-07	9.06E-07	8.00E-08	1.49E-06	3.86E-07	5.05E-07	3.65E-08	9.27E-07
1907	565694	4222196	3.91E-06	4.78E-06	2.52E-07	8.94E-06	2.07E-06	5.24E-06	2.52E-07	7.57E-06	5.14E-07	9.34E-07	8.24E-08	1.53E-06	3.98E-07	5.20E-07	3.76E-08	9.55E-07
1908	565697.8	4222205	4.02E-06	4.91E-06	2.59E-07	9.19E-06	2.13E-06	5.38E-06	2.59E-07	7.77E-06	5.28E-07	9.59E-07	8.47E-08	1.57E-06	4.08E-07	5.34E-07	3.86E-08	9.81E-07
1909	565701.6	4222214	4.12E-06	5.03E-06	2.65E-07	9.41E-06	2.18E-06	5.51E-06	2.65E-07	7.96E-06	5.41E-07	9.82E-07	8.67E-08	1.61E-06	4.18E-07	5.47E-07	3.96E-08	1.01E-06
1910	565705.4	4222223	4.21E-06	5.14E-06	2.71E-07	9.62E-06	2.23E-06	5.63E-06	2.71E-07	8.14E-06	5.53E-07	1.00E-06	8.86E-08	1.65E-06	4.28E-07	5.59E-07	4.04E-08	1.03E-06
1911	565592.2	4222054	2.1E-06	2.56E-06	1.35E-07	4.79E-06	1.11E-06	2.81E-06	1.35E-07	4.05E-06	2.75E-07	5.00E-07	4.41E-08	8.19E-07	2.13E-07	2.78E-07	2.01E-08	5.11E-07
1912	565601.2	4222057	2.13E-06	2.6E-06	1.37E-07	4.87E-06	1.13E-06	2.85E-06	1.37E-07	4.12E-06	2.80E-07	5.09E-07	4.49E-08	8.34E-07	2.17E-07	2.83E-07	2.05E-08	5.20E-07
1913	565610.2	4222061	2.17E-06	2.65E-06	1.39E-07	4.95E-06	1.15E-06	2.90E-06	1.39E-07	4.19E-06	2.85E-07	5.17E-07	4.56E-08	8.47E-07	2.20E-07	2.88E-07	2.08E-08	5.29E-07
1914	565659	4222088	2.41E-06	2.94E-06	1.55E-07	5.50E-06	1.28E-06	3.22E-06	1.55E-07	4.65E-06	3.16E-07	5.74E-07	5.07E-08	9.41E-07	2.44E-07	3.20E-07	2.31E-08	5.87E-07
1915	565662.8	4222097	2.52E-06	3.07E-06	1.62E-07	5.75E-06	1.33E-06	3.37E-06	1.62E-07	4.87E-06	3.31E-07	6.00E-07	5.30E-08	9.84E-07	2.56E-07	3.34E-07	2.42E-08	6.14E-07
1916	565666.5	4222106	2.63E-06	3.21E-06	1.69E-07	6.01E-06	1.39E-06	3.52E-06	1.69E-07	5.09E-06	3.45E-07	6.28E-07	5.54E-08	1.03E-06	2.67E-07	3.49E-07	2.53E-08	6.42E-07
1917	565670.3	4222115	2.75E-06	3.35E-06	1.77E-07	6.28E-06	1.46E-06	3.68E-06	1.77E-07	5.31E-06	3.61E-07	6.55E-07	5.78E-08	1.07E-06	2.79E-07	3.65E-07	2.64E-08	6.70E-07
1918	565674	4222124	2.86E-06	3.5E-06	1.84E-07	6.55E-06	1.52E-06	3.84E-06	1.84E-07	5.54E-06	3.76E-07	6.83E-07	6.03E-08	1.12E-06	2.91E-07	3.81E-07	2.75E-08	6.99E-07
1919	565677.8	4222133	2.98E-06	3.64E-06	1.92E-07	6.82E-06	1.58E-06	3.99E-06	1.92E-07	5.77E-06	3.92E-07	7.12E-07	6.28E-08	1.17E-06	3.03E-07	3.96E-07	2.87E-08	7.28E-07
1920	565681.5	4222142	3.1E-06	3.79E-06	2.00E-07	7.09E-06	1.64E-06	4.15E-06	2.00E-07	6.00E-06	4.07E-07	7.40E-07	6.53E-08	1.21E-06	3.15E-07	4.12E-07	2.98E-08	7.57E-07
1921	565685.3	4222151	3.22E-06	3.93E-06	2.07E-07	7.36E-06	1.71E-06	4.31E-06	2.07E-07	6.23E-06	4.23E-07	7.69E-07	6.78E-08	1.26E-06	3.27E-07	4.28E-07	3.10E-08	7.86E-07
1922	565696.5	4222178	3.56E-06	4.35E-06	2.29E-07	8.14E-06	1.89E-06	4.77E-06	2.29E-07	6.89E-06	4.68E-07	8.50E-07	7.50E-08	1.39E-06	3.62E-07	4.73E-07	3.42E-08	8.70E-07
1923	565700.3	4222187	3.67E-06	4.48E-06	2.36E-07	8.39E-06	1.95E-06	4.91E-06	2.36E-07	7.09E-06	4.82E-07	8.75E-07	7.73E-08	1.43E-06	3.73E-07	4.87E-07	3.53E-08	8.96E-07
1924	565704	4222196	3.77E-06	4.6E-06	2.43E-07	8.62E-06	2.00E-06	5.05E-06	2.43E-07	7.29E-06	4.95E-07	8.99E-07	7.94E-08	1.47E-06	3.83E-07	5.01E-07	3.62E-08	9.20E-07
1925	565707.8	4222205	3.86E-06	4.72E-06	2.49E-07	8.83E-06	2.05E-06	5.17E-06	2.49E-07	7.47E-06	5.07E-07	9.22E-07	8.14E-08	1.51E-06	3.93E-07	5.13E-07	3.71E-08	9.43E-07
1926	565711.5	4222214	3.95E-06	4.82E-06	2.54E-07	9.03E-06	2.09E-06	5.29E-06	2.54E-07	7.64E-06	5.19E-07	9.42E-07	8.32E-08	1.54E-06	4.01E-07	5.25E-07	3.79E-08	9.64E-07
1927	565715.3	4222223	4.03E-06	4.92E-06	2.59E-07	9.21E-06	2.14E-06	5.39E-06	2.59E-07	7.79E-06	5.29E-07	9.61E-07	8.48E-08	1.57E-06	4.09E-07	5.35E-07	3.87E-08	9.83E-07
1928	565591	4222043	1.97E-06	2.4E-06	1.27E-07	4.50E-06	1.04E-06	2.64E-06	1.27E-07	3.81E-06	2.59E-07	4.70E-07	4.15E-08	7.70E-07	2.00E-07	2.62E-07	1.89E-08	4.80E-07
1929	565599.9	4222047	2E-06	2.45E-06	1.29E-07	4.58E-06	1.06E-06	2.68E-06	1.29E-07	3.87E-06	2.63E-07	4.78E-07	4.22E-08	7.83E-07	2.04E-07	2.66E-07	1.92E-08	4.89E-07
1930	565608.8	4222051	2.04E-06	2.49E-06	1.31E-07	4.66E-06	1.08E-06	2.73E-06	1.31E-07	3.94E-06	2.67E-07	4.86E-07	4.29E-08	7.96E-07	2.07E-07	2.71E-07	1.96E-08	4.97E-07
1931	565617.7	4222054	2.07E-06	2.53E-06	1.33E-07	4.73E-06	1.10E-06	2.77E-06	1.33E-07	4.00E-06	2.72E-07	4.93E-07	4.36E-08	8.09E-07	2.10E-07	2.75E-07	1.99E-08	5.05E-07
1932	565665.9	4222081	2.29E-06	2.79E-06	1.47E-07	5.22E-06	1.21E-06	3.06E-06	1.47E-07	4.42E-06	3.00E-07	5.45E-07	4.81E-08	8.94E-07	2.32E-07	3.04E-07	2.20E-08	5.58E-07
1933	565669.6	4222090	2.39E-06	2.92E-06	1.54E-07	5.46E-06	1.27E-06	3.20E-06	1.54E-07	4.61E-06	3.13E-07	5.69E-07	5.03E-08	9.33E-07	2.43E-07	3.17E-07	2.29E-08	5.83E-07
1934	565673.3	4222099	2.49E-06	3.04E-06	1.60E-07	5.69E-06	1.32E-06	3.33E-06	1.60E-07	4.82E-06	3.27E-07	5.94E-07	5.25E-08	9.74E-07	2.53E-07	3.31E-07	2.39E-08	6.08E-07
1935	565677	4222108	2.6E-06	3.17E-06	1.67E-07	5.94E-06	1.38E-06	3.48E-06	1.67E-07	5.02E-06	3.41E-07	6.20E-07	5.47E-08	1.02E-06	2.64E-07	3.45E-07	2.49E-08	6.34E-07
1936	565680.7	4222117	2.7E-06	3.3E-06	1.74E-07	6.18E-06	1.43E-06	3.62E-06	1.74E-07	5.23E-06	3.55E-07	6.45E-07	5.70E-08	1.06E-06	2.75E-07	3.59E-07	2.60E-08	6.60E-07
1937	565684.4	4222126	2.81E-06	3.44E-06	1.81E-07	6.43E-06	1.49E-06	3.77E-06	1.81E-07	5.44E-06	3.69E-07	6.71E-07	5.92E-08	1.10E-06	2.86E-07	3.74E-07	2.70E-08	6.87E-07
1938	565688.1	4222135	2.92E-06	3.57E-06	1.88E-07	6.68E-06	1.55E-06	3.91E-06	1.88E-07	5.65E-06	3.84E-07	6.97E-07	6.15E-08	1.14E-06	2.97E-07	3.88E-07	2.81E-08	7.13E-07
1939	565691.8	4222144	3.03E-06	3.7E-06	1.95E-07	6.93E-06	1.61E-06	4.06E-06	1.95E-07	5.86E-06	3.98E-07	7.23E-07	6.38E-08	1.19E-06	3.08E-07	4.03E-07	2.91E-08	7.40E-07
1940	565695.5	4222152	3.14E-06	3.84E-06	2.02E-07	7.18E-06	1.66E-06	4.20E-06	2.02E-07	6.07E-06	4.12E-07	7.49E-07	6.61E-08	1.23E-06	3.19E-07	4.17E-07	3.02E-08	7.66E-07
1941	565699.2	4222161	3.25E-06	3.96E-06	2.09E-07	7.42E-06	1.72E-06	4.35E-06	2.09E-07	6.28E-06	4.26E-07	7.75E-07	6.84E-08	1.27E-06	3.30E-07	4.31E-07	3.12E-08	7.92E-07
1942	565714	4222197	3.63E-06	4.43E-06	2.34E-07	8.30E-06	1.92E-06	4.86E-06	2.34E-07	7.02E-06	4.77E-07	8.66E-07	7.65E-08	1.42E-06	3.69E-07	4.82E-07	3.49E-08	8.86E-07
1943	565717.7	4222206	3.71E-06	4.54E-06	2.39E-07	8.49E-06	1.97E-06	4.97E-06	2.39E-07	7.18E-06	4.88E-07	8.86E-07	7.82E-08	1.45E-06	3.77E-07	4.93E-07	3.57E-08	9.06E-07
1944	565721.4	4222215	3.79E-06	4.63E-06	2.44E-07	8.66E-06	2.01E-06	5.08E-06	2.44E-07	7.33E-06	4.98E-07	9.04E-07	7.98E-08	1.48E-06	3.85E-07	5.04E-07	3.64E-08	9.25E-07
1945	565725.2	4222223	3.86E-06	4.71E-06	2.48E-07	8.82E-06	2.05E-06	5.17E-06	2.48E-07	7.46E-06	5.07E-07	9.21E-07	8.13E-08	1.51E-06	3.92E-07	5.13E-07	3.71E-08	9.42E-07
1946	565598.8	4222037	1.89E-06	2.3E-06	1.21E-07	4.31E-06	1.00E-06	2.52E-06	1.21E-07	3.65E-06	2.48E-07	4.50E-07	3.97E-08	7.37E-07	1.92E-07	2.51E-07	1.81E-08	4.60E-07
1947	565607.6	4222040	1.92E-06	2.34E-06	1.23E-07	4.38E-06	1.02E-06	2.57E-06	1.23E-07	3.71E-06	2.52E-07	4.57E-07	4.04E-08	7.50E-07	1.95E-07	2.55E-07	1.84E-08	4.68E-07
1948	565616.4	4222044	1.95E-06	2.38E-06	1.25E-07	4.45E-06	1.03E-06	2.61E-06	1.25E-07	3.77E-06	2.56E-07	4.65E-07	4.10E-08	7.62E-07	1.98E-07	2.59E-07	1.87E-08	4.75E-07
1949	565625.2	4222047	1.98E-06	2.41E-06	1.27E-07	4.51E-06	1.05E-06	2.64E-06	1.27E-07	3.82E-06	2.59E-07	4.71E-07	4.16E-08	7.72E-07	2.01E-07	2.62E-07	1.90E-08	4.82E-07
1950	565634	4222051	2E-06	2.44E-06	1.29E-07	4.58E-06	1.06E-06	2.68E-06	1.29E-07	3.87E-06	2.63E-07	4.78E-07	4.22E-08	7.83E-07	2.03E-07	2.66E-07	1.92E-08	4.89E-07
1951	565642.8	4222055	2.03E-06	2.48E-06	1.30E-07	4.63E-06	1.07E-06	2.71E-06	1.30E-07	3.92E-06	2.66E-07	4.84E-07	4.27E-08	7.92E-07	2.06E-07	2.69E-07	1.95E-08	4.95E-07
1952	565651.6	4222058	2.05E-06	2.5E-06	1.32E-07	4.68E-06	1.09E-06	2.74E-06	1.32E-07	3.96E-06	2.69E-07	4.89E-07	4.31E-08	8.01E-07	2.08E-07	2.72E-07	1.97E-08	5.00E-07
1953	565660.4	4222062	2.07E-06	2.53E-06	1.33E-07	4.73E-06	1.10E-06	2.77E-06	1.33E-07	4.00E-06	2.72E-07	4.93E-07	4.36E-08	8.08E-07	2.10E-07	2.75E-07	1.99E-08	5.05E-07
1954	565676.5	4222083	2.27E-06	2.77E-06	1.46E-07	5.18E-06	1.20E-06	3.04E-06	1.46E-07	4.38E-06	2.98E-07	5.41E-07	4.78E-08	8.87E-07	2.30E-07	3.01E-07	2.18E-08	5.53E-07
1955	565680.1	4222092	2.36E-06	2.89E-06	1.52E-07	5.40E-06	1.25E-06	3.16E-06	1.52E-07	4.57E-06	3.10E-07	5.64E-07	4.98E-08	9.24E-07	2.40E-07	3.14E-07	2.27E-08	5.77E-07
1956	565683.8	4222101	2.46E-06	3E-06	1.58E-07	5.62E-06	1.30E-06	3.29E-06	1.58E-07	4.76E-06	3.23E-07	5.87E-07	5.18E-08	9.62E-07	2.50E-07	3.27E-07	2.36E-08	6.00E-07
1957	565687.4	4222109	2.56E-06	3.12E-06	1.65E-07	5.85E-06	1.36E-06	3.43E-06	1.65E-07	4.95E-06	3.36E-07	6.10E-07	5.39E-08	1.00E-06	2.60E-07	3.40E-07	2.46E-08	6.24E-07
1958	565691.1	4222118	2.66E-06	3.25E-06	1.71E-07	6.08E-06	1.41E-06	3.56E-06	1.71E-07	5.14E-06	3.49E-07	6.34E-07	5.60E-08	1.04E-06	2.70E-07	3.53E-07	2.55E-08	6.49E-07
1959	565694.8	4222127	2.76E-06	3.37E-06	1.78E-07	6.30E-06	1.46E-06	3.69E-06	1.78E-07	5.33E-06	3.62E-07	6.58E-07	5.81E-08	1.08E-06	2.80E-07	3.66E-07	2.65E-08	6.73E-07
1960	565698.4	4222136	2.86E-06	3.49E-06	1.84E-07	6.53E-06	1.52E-06	3.83E-06	1.84E-07	5.53E-06	3.75E-07	6.82E-07	6.02E-08	1.12E-06	2.91E-07	3.80E-07	2.75E-08	6.98E-07
1961	565702.1	4222145	2.96E-06	3.61E-06	1.90E-07	6.76E-06	1.57E-06	3.96E-06	1.90E-07	5.72E-06	3.89E-07	7.06E-07	6.23E-08	1.16E-06	3.01E-07	3.93E-07	2.84E-08	7.22E-07
1962	565705.8	4222153	3.06E-06	3.74E-06	1.97E-07	6.99E-06	1.62E-06	4.09E-06	1.97E-07	5.91E-06	4.02E-07	7.30E-07	6.44E-08	1.20E-06	3.11E-07	4.06E-07	2.94E-08	7.46E-07
1963	565709.4	4222162	3.15E-06	3.85E-06	2.03E-07	7.21E-06	1.67E-06	4.22E-06	2.03E-07	6.10E-06	4.14E-07	7.52E-07	6.64E-08	1.23E-06	3.21E-07	4.19E-07	3.03E-08	7.70E-07
1964	565713.1	4222171	3.25E-06	3.96E-06	2.09E-07	7.42E-06	1.72E-06	4.35E-06	2.09E-07	6.28E-06	4.26E-07	7.75E-07	6.84E-08	1.27E-06	3.30E-07	4.31E-07	3.12E-08	7.92E-07
1965	565731.4	4222215	3.64E-06	4.45E-06	2.34E-07	8.32E-06	1.93E-06	4.87E-06	2.34E-07	7.04E-06	4.78E-07	8.69E-07	7.67E-08	1.42E-06	3.70E-07	4.84E-07	3.50E-08	8.89E-07
1966	565735	4222224	3.7E-06	4.52E-06	2.38E-07	8.46E-06	1.96E-06	4.96E-06	2.38E-07	7.16E-06	4.86E-07	8.83E-07	7.80E-08	1.45E-06	3.76E-07	4.92E-07	3.56E-08	9.04E-07
1967	565597.8	4222026	1.78E-06	2.17E-06	1.14E-07	4.06E-06	9.43E-07	2.38E-06	1.14E-07	3.44E-06	2.34E-07	4.24E-07	3.74E-08	6.95E-07	1.81E-07	2.36E-07	1.71E-08	4.34E-07
1968	565606.5	4222030	1.81E-06	2.21E-06	1.16E-07	4.13E-06	9.59E-07	2.42E-06	1.16E-07	3.50E-06	2.37E-07	4.31E-07	3.81E-08	7.07E-07	1.84E-07	2.40E-07	1.74E-08	4.41E-07
1969	565615.2	4222033	1.84E-06	2.24E-06	1.18E-07	4.20E-06	9.74E-07	2.46E-06	1.18E-07	3.55E-06	2.41E-07	4.38E-07	3.87E-08	7.18E-07	1.87E-07	2.44E-07	1.77E-08	4.48E-07
1970	565623.9	4222037	1.86E-06	2.28E-06	1.20E-07	4.26E-06	9.89E-07	2.50E-06	1.20E-07	3.61E-06	2.45E-07	4.45E-07	3.93E-08	7.29E-07	1.89E-07	2.48E-07	1.79E-08	4.55E-07
1971	565632.6	4222041	1.89E-06	2.31E-06	1.22E-07	4.32E-06	1.00E-06	2.53E-06	1.22E-07	3.65E-06	2.48E-07	4.51E-07	3.98E-08	7.39E-07	1.92E-07	2.51E-07	1.82E-08	4.61E-07
1972	565641.3	4222044	1.91E-06	2.34E-06	1.23E-07	4.37E-06	1.01E-06	2.56E-06	1.23E-07	3.70E-06	2.51E-07	4.57E-07	4.03E-08	7.48E-07	1.95E-07	2.54E-07	1.84E-08	4.67E-07
1973	565650	4222048	1.94E-06	2.36E-06	1.25E-07	4.43E-06	1.03E-06	2.59E-06	1.25E-07	3.74E-06	2.54E-07	4.62E-07	4.08E-08	7.57E-07	1.97E-07	2.57E-07	1.86E-08	4.73E-07
1974	565658.7	4222051	1.96E-06	2.39E-06	1.26E-07	4.47E-06	1.04E-06	2.62E-06	1.26E-07	3.78E-06	2.57E-07	4.67E-07	4.12E-08	7.65E-07	1.99E-07	2.60E-07	1.88E-08	4.77E-07
1975	565667.4	4222055	1.97E-06	2.41E-06	1.27E-07	4.51E-06	1.05E-06	2.64E-06	1.27E-07	3.82E-06	2.59E-07	4.71E-07	4.16E-08	7.72E-07	2.01E-07	2.62E-07	1.90E-08	4.82E-07
1976	565687	4222085	2.25E-06	2.74E-06	1.45E-07	5.13E-06	1.19E-06	3.01E-06	1.45E-07	4.34E-06	2.95E-07	5.36E-07	4.73E-08	8.78E-07	2.28E-07	2.98E-07	2.16E-08	5.48E-07
1977	565690.6	4222093	2.33E-06	2.85E-06	1.50E-07	5.34E-06	1.24E-06	3.13E-06	1.50E-07	4.51E-06	3.07E-07	5.57E-07	4.92E-08	9.13E-07	2.37E-07	3.10E-07	2.24E-08	5.70E-07

1978	565694.2	4222102	2.43E-06	2.96E-06	1.56E-07	5.54E-06	1.29E-06	3.25E-06	1.56E-07	4.69E-06	3.19E-07	5.79E-07	5.11E-08	9.48E-07	2.46E-07	3.22E-07	2.33E-08	5.92E-07
1979	565697.8	4222111	2.52E-06	3.07E-06	1.62E-07	5.75E-06	1.33E-06	3.37E-06	1.62E-07	4.87E-06	3.31E-07	6.00E-07	5.30E-08	9.84E-07	2.56E-07	3.34E-07	2.42E-08	6.14E-07
1980	565701.4	4222119	2.61E-06	3.19E-06	1.68E-07	5.96E-06	1.38E-06	3.49E-06	1.68E-07	5.04E-06	3.43E-07	6.22E-07	5.49E-08	1.02E-06	2.65E-07	3.47E-07	2.51E-08	6.37E-07
1981	565705.1	4222128	2.7E-06	3.3E-06	1.74E-07	6.17E-06	1.43E-06	3.62E-06	1.74E-07	5.22E-06	3.55E-07	6.44E-07	5.69E-08	1.06E-06	2.75E-07	3.59E-07	2.60E-08	6.59E-07
1982	565708.7	4222137	2.79E-06	3.41E-06	1.80E-07	6.39E-06	1.48E-06	3.74E-06	1.80E-07	5.40E-06	3.67E-07	6.67E-07	5.88E-08	1.09E-06	2.84E-07	3.71E-07	2.68E-08	6.82E-07
1983	565712.3	4222145	2.89E-06	3.52E-06	1.86E-07	6.60E-06	1.53E-06	3.86E-06	1.86E-07	5.58E-06	3.79E-07	6.89E-07	6.08E-08	1.13E-06	2.93E-07	3.83E-07	2.77E-08	7.04E-07
1984	565715.9	4222154	2.98E-06	3.63E-06	1.92E-07	6.80E-06	1.58E-06	3.98E-06	1.92E-07	5.75E-06	3.91E-07	7.10E-07	6.27E-08	1.16E-06	3.02E-07	3.95E-07	2.86E-08	7.26E-07
1985	565719.6	4222163	3.06E-06	3.74E-06	1.97E-07	7.00E-06	1.62E-06	4.10E-06	1.97E-07	5.92E-06	4.02E-07	7.31E-07	6.45E-08	1.20E-06	3.11E-07	4.07E-07	2.94E-08	7.48E-07
1986	565723.2	4222171	3.15E-06	3.84E-06	2.02E-07	7.19E-06	1.67E-06	4.21E-06	2.02E-07	6.08E-06	4.13E-07	7.51E-07	6.63E-08	1.23E-06	3.20E-07	4.18E-07	3.02E-08	7.68E-07
1987	565726.8	4222180	3.23E-06	3.94E-06	2.08E-07	7.37E-06	1.71E-06	4.32E-06	2.08E-07	6.24E-06	4.24E-07	7.70E-07	6.79E-08	1.26E-06	3.28E-07	4.29E-07	3.10E-08	7.87E-07
1988	565730.4	4222189	3.3E-06	4.03E-06	2.12E-07	7.55E-06	1.75E-06	4.42E-06	2.12E-07	6.38E-06	4.34E-07	7.88E-07	6.95E-08	1.29E-06	3.35E-07	4.39E-07	3.17E-08	8.06E-07
1989	565619.7	4222026	1.75E-06	2.14E-06	1.13E-07	4.01E-06	9.29E-07	2.35E-06	1.13E-07	3.39E-06	2.30E-07	4.18E-07	3.69E-08	6.85E-07	1.78E-07	2.33E-07	1.68E-08	4.28E-07
1990	565628.7	4222029	1.78E-06	2.17E-06	1.14E-07	4.07E-06	9.43E-07	2.38E-06	1.14E-07	3.44E-06	2.34E-07	4.24E-07	3.75E-08	6.95E-07	1.81E-07	2.36E-07	1.71E-08	4.34E-07
1991	565637.8	4222033	1.8E-06	2.2E-06	1.16E-07	4.12E-06	9.56E-07	2.42E-06	1.16E-07	3.49E-06	2.37E-07	4.30E-07	3.80E-08	7.05E-07	1.83E-07	2.40E-07	1.73E-08	4.40E-07
1992	565646.8	4222037	1.83E-06	2.23E-06	1.18E-07	4.18E-06	9.69E-07	2.45E-06	1.18E-07	3.53E-06	2.40E-07	4.36E-07	3.85E-08	7.15E-07	1.86E-07	2.43E-07	1.76E-08	4.46E-07
1993	565655.9	4222040	1.85E-06	2.26E-06	1.19E-07	4.23E-06	9.80E-07	2.48E-06	1.19E-07	3.58E-06	2.43E-07	4.41E-07	3.89E-08	7.23E-07	1.88E-07	2.46E-07	1.78E-08	4.51E-07
1994	565664.9	4222044	1.87E-06	2.28E-06	1.20E-07	4.27E-06	9.91E-07	2.50E-06	1.20E-07	3.61E-06	2.45E-07	4.46E-07	3.94E-08	7.31E-07	1.90E-07	2.48E-07	1.80E-08	4.56E-07
1995	565674	4222048	1.89E-06	2.3E-06	1.21E-07	4.31E-06	1.00E-06	2.53E-06	1.21E-07	3.65E-06	2.48E-07	4.50E-07	3.97E-08	7.37E-07	1.92E-07	2.51E-07	1.81E-08	4.60E-07
1996	565686.8	4222061	1.98E-06	2.42E-06	1.28E-07	4.53E-06	1.05E-06	2.65E-06	1.28E-07	3.83E-06	2.60E-07	4.73E-07	4.17E-08	7.75E-07	2.01E-07	2.63E-07	1.90E-08	4.84E-07
1997	565694.3	4222079	2.15E-06	2.63E-06	1.38E-07	4.91E-06	1.14E-06	2.88E-06	1.38E-07	4.16E-06	2.82E-07	5.13E-07	4.53E-08	8.40E-07	2.18E-07	2.86E-07	2.07E-08	5.25E-07
1998	565698.1	4222088	2.24E-06	2.73E-06	1.44E-07	5.11E-06	1.19E-06	2.99E-06	1.44E-07	4.32E-06	2.94E-07	5.34E-07	4.71E-08	8.74E-07	2.27E-07	2.97E-07	2.15E-08	5.46E-07
1999	565701.9	4222097	2.32E-06	2.84E-06	1.50E-07	5.31E-06	1.23E-06	3.11E-06	1.50E-07	4.49E-06	3.05E-07	5.54E-07	4.89E-08	9.09E-07	2.36E-07	3.09E-07	2.23E-08	5.67E-07
2000	565705.6	4222106	2.41E-06	2.95E-06	1.55E-07	5.52E-06	1.28E-06	3.23E-06	1.55E-07	4.67E-06	3.17E-07	5.76E-07	5.08E-08	9.43E-07	2.45E-07	3.21E-07	2.32E-08	5.89E-07
2001	565709.4	4222115	2.5E-06	3.06E-06	1.61E-07	5.72E-06	1.33E-06	3.35E-06	1.61E-07	4.84E-06	3.29E-07	5.97E-07	5.27E-08	9.78E-07	2.54E-07	3.32E-07	2.40E-08	6.11E-07
2002	565713.2	4222124	2.59E-06	3.17E-06	1.67E-07	5.92E-06	1.37E-06	3.47E-06	1.67E-07	5.01E-06	3.40E-07	6.18E-07	5.46E-08	1.01E-06	2.63E-07	3.44E-07	2.49E-08	6.33E-07
2003	565720.7	4222142	2.77E-06	3.38E-06	1.78E-07	6.33E-06	1.47E-06	3.71E-06	1.78E-07	5.36E-06	3.64E-07	6.61E-07	5.84E-08	1.08E-06	2.82E-07	3.68E-07	2.66E-08	6.76E-07
2004	565724.5	4222151	2.86E-06	3.49E-06	1.84E-07	6.53E-06	1.52E-06	3.83E-06	1.84E-07	5.53E-06	3.75E-07	6.82E-07	6.02E-08	1.12E-06	2.90E-07	3.80E-07	2.75E-08	6.98E-07
2005	565728.2	4222160	2.94E-06	3.59E-06	1.89E-07	6.72E-06	1.56E-06	3.94E-06	1.89E-07	5.69E-06	3.86E-07	7.02E-07	6.20E-08	1.15E-06	2.99E-07	3.91E-07	2.83E-08	7.18E-07
2006	565732	4222169	3.02E-06	3.69E-06	1.95E-07	6.91E-06	1.60E-06	4.05E-06	1.95E-07	5.84E-06	3.97E-07	7.21E-07	6.37E-08	1.18E-06	3.07E-07	4.02E-07	2.90E-08	7.38E-07
2007	565735.8	4222178	3.1E-06	3.79E-06	1.99E-07	7.08E-06	1.64E-06	4.15E-06	1.99E-07	5.99E-06	4.07E-07	7.39E-07	6.53E-08	1.21E-06	3.15E-07	4.12E-07	2.98E-08	7.56E-07
2008	565739.5	4222187	3.17E-06	3.87E-06	2.04E-07	7.25E-06	1.68E-06	4.25E-06	2.04E-07	6.13E-06	4.17E-07	7.57E-07	6.68E-08	1.24E-06	3.22E-07	4.21E-07	3.05E-08	7.74E-07
2009	565743.3	4222196	3.24E-06	3.96E-06	2.09E-07	7.41E-06	1.72E-06	4.34E-06	2.09E-07	6.26E-06	4.26E-07	7.73E-07	6.82E-08	1.27E-06	3.29E-07	4.30E-07	3.11E-08	7.91E-07
2010	565747.1	4222205	3.3E-06	4.03E-06	2.13E-07	7.55E-06	1.75E-06	4.42E-06	2.13E-07	6.39E-06	4.34E-07	7.88E-07	6.96E-08	1.29E-06	3.36E-07	4.39E-07	3.17E-08	8.06E-07
2011	565645.2	4222026	1.73E-06	2.11E-06	1.11E-07	3.95E-06	9.17E-07	2.32E-06	1.11E-07	3.34E-06	2.27E-07	4.13E-07	3.64E-08	6.76E-07	1.76E-07	2.30E-07	1.66E-08	4.22E-07
2012	565654.2	4222030	1.75E-06	2.14E-06	1.13E-07	4.00E-06	9.29E-07	2.35E-06	1.13E-07	3.39E-06	2.30E-07	4.18E-07	3.69E-08	6.85E-07	1.78E-07	2.33E-07	1.68E-08	4.28E-07
2013	565663.1	4222034	1.77E-06	2.16E-06	1.14E-07	4.05E-06	9.39E-07	2.37E-06	1.14E-07	3.42E-06	2.33E-07	4.23E-07	3.73E-08	6.92E-07	1.80E-07	2.35E-07	1.70E-08	4.32E-07
2014	565672.1	4222037	1.79E-06	2.19E-06	1.15E-07	4.09E-06	9.49E-07	2.40E-06	1.15E-07	3.46E-06	2.35E-07	4.27E-07	3.77E-08	6.99E-07	1.82E-07	2.38E-07	1.72E-08	4.37E-07
2015	565681	4222041	1.81E-06	2.21E-06	1.16E-07	4.13E-06	9.57E-07	2.42E-06	1.16E-07	3.49E-06	2.37E-07	4.31E-07	3.80E-08	7.06E-07	1.84E-07	2.40E-07	1.74E-08	4.41E-07
2016	565693.7	4222054	1.89E-06	2.31E-06	1.22E-07	4.33E-06	1.00E-06	2.54E-06	1.22E-07	3.66E-06	2.49E-07	4.52E-07	3.99E-08	7.41E-07	1.93E-07	2.52E-07	1.82E-08	4.62E-07
2017	565704.9	4222080	2.13E-06	2.6E-06	1.37E-07	4.86E-06	1.13E-06	2.85E-06	1.37E-07	4.11E-06	2.79E-07	5.08E-07	4.48E-08	8.32E-07	2.16E-07	2.83E-07	2.04E-08	5.19E-07
2018	565708.6	4222089	2.21E-06	2.7E-06	1.42E-07	5.05E-06	1.17E-06	2.96E-06	1.42E-07	4.27E-06	2.90E-07	5.27E-07	4.65E-08	8.64E-07	2.25E-07	2.93E-07	2.12E-08	5.39E-07
2019	565712.3	4222098	2.29E-06	2.8E-06	1.47E-07	5.24E-06	1.21E-06	3.07E-06	1.47E-07	4.43E-06	3.01E-07	5.47E-07	4.83E-08	8.96E-07	2.33E-07	3.04E-07	2.20E-08	5.59E-07
2020	565716	4222107	2.37E-06	2.9E-06	1.53E-07	5.43E-06	1.26E-06	3.18E-06	1.53E-07	4.59E-06	3.12E-07	5.66E-07	5.00E-08	9.28E-07	2.41E-07	3.15E-07	2.28E-08	5.79E-07
2021	565719.8	4222116	2.46E-06	3E-06	1.58E-07	5.62E-06	1.30E-06	3.29E-06	1.58E-07	4.75E-06	3.23E-07	5.86E-07	5.17E-08	9.60E-07	2.50E-07	3.26E-07	2.36E-08	6.00E-07
2022	565723.5	4222125	2.54E-06	3.1E-06	1.63E-07	5.80E-06	1.35E-06	3.40E-06	1.63E-07	4.91E-06	3.33E-07	6.06E-07	5.35E-08	9.93E-07	2.58E-07	3.37E-07	2.44E-08	6.20E-07
2023	565727.2	4222134	2.62E-06	3.2E-06	1.69E-07	5.99E-06	1.39E-06	3.51E-06	1.69E-07	5.07E-06	3.44E-07	6.25E-07	5.52E-08	1.02E-06	2.66E-07	3.48E-07	2.52E-08	6.40E-07
2024	565731	4222143	2.7E-06	3.3E-06	1.74E-07	6.18E-06	1.43E-06	3.62E-06	1.74E-07	5.23E-06	3.55E-07	6.45E-07	5.69E-08	1.06E-06	2.75E-07	3.59E-07	2.60E-08	6.60E-07
2025	565734.7	4222152	2.78E-06	3.4E-06	1.79E-07	6.36E-06	1.48E-06	3.73E-06	1.79E-07	5.38E-06	3.65E-07	6.64E-07	5.86E-08	1.09E-06	2.83E-07	3.70E-07	2.67E-08	6.79E-07
2026	565738.4	4222161	2.86E-06	3.49E-06	1.84E-07	6.54E-06	1.52E-06	3.83E-06	1.84E-07	5.53E-06	3.75E-07	6.82E-07	6.02E-08	1.12E-06	2.91E-07	3.80E-07	2.75E-08	6.98E-07
2027	565742.1	4222170	2.93E-06	3.58E-06	1.89E-07	6.70E-06	1.55E-06	3.93E-06	1.89E-07	5.67E-06	3.85E-07	7.00E-07	6.17E-08	1.15E-06	2.98E-07	3.89E-07	2.82E-08	7.16E-07
2028	565745.9	4222179	3E-06	3.67E-06	1.93E-07	6.86E-06	1.59E-06	4.02E-06	1.93E-07	5.80E-06	3.94E-07	7.16E-07	6.32E-08	1.17E-06	3.05E-07	3.99E-07	2.88E-08	7.33E-07
2029	565749.6	4222188	3.07E-06	3.75E-06	1.97E-07	7.01E-06	1.63E-06	4.11E-06	1.97E-07	5.93E-06	4.03E-07	7.32E-07	6.46E-08	1.20E-06	3.12E-07	4.07E-07	2.95E-08	7.48E-07
2030	565753.3	4222197	3.13E-06	3.82E-06	2.01E-07	7.15E-06	1.66E-06	4.19E-06	2.01E-07	6.05E-06	4.11E-07	7.46E-07	6.59E-08	1.22E-06	3.18E-07	4.16E-07	3.01E-08	7.63E-07
2031	565757	4222205	3.18E-06	3.89E-06	2.05E-07	7.28E-06	1.69E-06	4.26E-06	2.05E-07	6.16E-06	4.18E-07	7.60E-07	6.71E-08	1.25E-06	3.24E-07	4.23E-07	3.06E-08	7.77E-07
2032	565760.8	4222214	3.24E-06	3.95E-06	2.08E-07	7.40E-06	1.72E-06	4.33E-06	2.08E-07	6.26E-06	4.25E-07	7.72E-07	6.82E-08	1.27E-06	3.29E-07	4.30E-07	3.11E-08	7.90E-07
2033	565764.5	4222223	3.28E-06	4.01E-06	2.11E-07	7.50E-06	1.74E-06	4.40E-06	2.11E-07	6.35E-06	4.31E-07	7.83E-07	6.91E-08	1.28E-06	3.34E-07	4.36E-07	3.15E-08	8.01E-07
2034	565670.3	4222027	1.7E-06	2.07E-06	1.09E-07	3.88E-06	9.01E-07	2.27E-06	1.09E-07	3.28E-06	2.23E-07	4.05E-07	3.58E-08	6.64E-07	1.73E-07	2.26E-07	1.63E-08	4.15E-07
2035	565679.2	4222030	1.72E-06	2.1E-06	1.10E-07	3.92E-06	9.10E-07	2.30E-06	1.10E-07	3.32E-06	2.25E-07	4.09E-07	3.61E-08	6.71E-07	1.74E-07	2.28E-07	1.65E-08	4.19E-07
2036	565688	4222034	1.73E-06	2.11E-06	1.11E-07	3.96E-06	9.18E-07	2.32E-06	1.11E-07	3.35E-06	2.27E-07	4.13E-07	3.65E-08	6.77E-07	1.76E-07	2.30E-07	1.66E-08	4.22E-07
2037	565700.6	4222046	1.81E-06	2.21E-06	1.17E-07	4.14E-06	9.61E-07	2.43E-06	1.17E-07	3.51E-06	2.38E-07	4.33E-07	3.82E-08	7.09E-07	1.84E-07	2.41E-07	1.74E-08	4.43E-07
2038	565704.3	4222055	1.88E-06	2.3E-06	1.21E-07	4.30E-06	9.98E-07	2.52E-06	1.21E-07	3.64E-06	2.47E-07	4.49E-07	3.97E-08	7.36E-07	1.91E-07	2.50E-07	1.81E-08	4.60E-07
2039	565715.4	4222082	2.1E-06	2.57E-06	1.35E-07	4.81E-06	1.12E-06	2.82E-06	1.35E-07	4.07E-06	2.76E-07	5.02E-07	4.43E-08	8.22E-07	2.14E-07	2.79E-07	2.02E-08	5.13E-07
2040	565719	4222091	2.18E-06	2.66E-06	1.40E-07	4.98E-06	1.16E-06	2.92E-06	1.40E-07	4.21E-06	2.86E-07	5.20E-07	4.59E-08	8.52E-07	2.21E-07	2.90E-07	2.09E-08	5.32E-07
2041	565722.7	4222100	2.26E-06	2.76E-06	1.45E-07	5.16E-06	1.20E-06	3.02E-06	1.45E-07	4.36E-06	2.96E-07	5.38E-07	4.75E-08	8.82E-07	2.29E-07	3.00E-07	2.17E-08	5.51E-07
2042	565726.4	4222108	2.33E-06	2.85E-06	1.50E-07	5.33E-06	1.24E-06	3.12E-06	1.50E-07	4.51E-06	3.06E-07	5.57E-07	4.91E-08	9.12E-07	2.37E-07	3.10E-07	2.24E-08	5.69E-07
2043	565730.1	4222117	2.41E-06	2.94E-06	1.55E-07	5.51E-06	1.28E-06	3.23E-06	1.55E-07	4.66E-06	3.16E-07	5.75E-07	5.07E-08	9.42E-07	2.45E-07	3.20E-07	2.31E-08	5.88E-07
2044	565733.8	4222126	2.49E-06	3.04E-06	1.60E-07	5.68E-06	1.32E-06	3.33E-06	1.60E-07	4.80E-06	3.26E-07	5.93E-07	5.23E-08	9.72E-07	2.53E-07	3.30E-07	2.39E-08	6.07E-07
2045	565737.5	4222135	2.56E-06	3.13E-06	1.65E-07	5.86E-06	1.36E-06	3.43E-06	1.65E-07	4.95E-06	3.36E-07	6.11E-07	5.40E-08	1.00E-06	2.60E-07	3.40E-07	2.46E-08	6.25E-07
2046	565741.2	4222144	2.64E-06	3.22E-06	1.70E-07	6.03E-06	1.40E-06	3.53E-06	1.70E-07	5.10E-06	3.46E-07	6.29E-07	5.55E-08	1.03E-06	2.68E-07	3.50E-07	2.53E-08	6.43E-07
2047	565744.9	4222153	2.71E-06	3.31E-06	1.74E-07	6.19E-06	1.44E-06	3.63E-06	1.74E-07	5.24E-06	3.56E-07	6.46E-07	5.70E-08	1.06E-06	2.75E-07	3.60E-07	2.60E-08	6.61E-07
2048	565748.5	4222161	2.78E-06	3.39E-06	1.79E-07	6.35E-06	1.47E-06	3.72E-06	1.79E-07	5.37E-06	3.65E-07	6.63E-07	5.85E-08	1.09E-06	2.82E-07	3.69E-07	2.67E-08	6.78E-07
2049	565752.2	4222170	2.84E-06	3.47E-06	1.83E-07	6.50E-06	1.51E-06	3.81E-06	1.83E-07	5.50E-06	3.73E-07	6.79E-07	5.99E-08	1.11E-06	2.89E-07	3.78E-07	2.73E-08	6.94E-07
2050	565755.9	4222179	2.91E-06	3.55E-06	1.87E-07	6.64E-06	1.54E-06	3.89E-06	1.87E-07	5.62E-06	3.82E-07	6.93E-07	6.12E-08	1.14E-06	2.95E-07	3.86E-07	2.79E-08	7.09E-07
2051	565759.6	4222188	2.97E-06	3.62E-06	1.91E-07	6.78E-06	1.57E-06	3.97E-06	1.91E-07	5.73E-06	3.89E-07	7.08E-07	6.25E-08	1.16E-06	3.01E-07	3.94E-07	2.85E-08	7.24E-07
2052	565763.3	4222197	3.02E-06	3.69E-06	1.94E-07	6.90E-06	1.60E-06	4.04E-06	1.94E-07	5.84E-06	3.97E-07	7.21E-07	6.36E-08	1.18E-06	3.07E-07	4.01E-07	2.90E-08	7.37E-07
2053	565767	4222206	3.07E-06	3.75E-06	1.98E-07	7.02E-06	1.63E-06	4.11E-06	1.98E-07	5.94E-06	4.03E-07	7.33E-07	6.47E-08	1.20E-06	3.12E-07	4.08E-07	2.95E-08	7.50E-07
2054	565770.7	4222215	3.12E-06	3.81E-06	2.01E-07	7.13E-06	1.65E-06	4.18E-06	2.01E-07	6.03E-06	4.10E-07	7.44E-07	6.57E-08	1.22E-06	3.17E-07	4.14E-07	3.00E-08	7.61E-07
2055	565774.4	4222223	3.16E-06	3.86E-06	2.04E-07	7.23E-06	1.68E-06	4.23E-06	2.04E-07	6.11E-06	4.15E-07	7.55E-07	6.66E-08	1.24E-06	3.21E-07	4.20E-07	3.04E-08	7.72E-07
2056	565695.1	4222027	1.66E-06	2.03E-06	1.07E-07	3.80E-06	8.81E-07	2.22E-06	1.07E-07	3.21E-06	2.18E-07	3.96E-07	3.50E-08	6.49E-07	1.69E-07	2.21E-07	1.60E-08	4.05E-07
2057	565707.5	4222039	1.74E-06	2.12E-06	1.12E-07	3.97E-06	9.21E-07	2.33E-06	1.12E-07	3.36E-06	2.28E-07	4.15E-07	3.66E-08	6.79E-07	1.77E-07	2.31E-07	1.67E-08	4.24E-07
2058	565711.2	4222048	1.8E-06	2.2E-06	1.16E-07	4.12E-06	9.56E-07	2.41E-06	1.16E-07	3.48E-06	2.37E-07	4.30E-07	3.80E-08	7.05E-07	1.83E-07	2.39E-07	1.73E-08	4.40E-07
2059	565714.8	4222057	1.87E-06	2.28E-06	1.20E-07	4.27E-06	9.91E-07	2.50E-06	1.20E-07	3.61E-06	2.45E-07	4.46E-07	3.94E-08	7.31E-07	1.90E-07	2.48E-07	1.80E-08	4.56E-07
2060	565725.8	4222083	2.08E-06	2.54E-06	1.34E-07	4.75E-06	1.10E-06	2.78E-06	1.34E-07	4.01E-06	2.73E-07	4.95E-07	4.37E-08	8.12E-07	2.11E-07	2.76E-07	1.99E-08	5.07E-07
2061	565729.4	4222092	2.15E-06	2.62E-06	1.38E-07	4.91E-06	1.14E-06	2.88E-06	1.38E-07	4.15E-06	2.82E-07	5.12E-07	4.52E-08	8.40E-07	2.18E-07	2.85E-07	2.06E-08	5.24E-07
2062	565733.1	4222101	2.22E-06	2.71E-06	1.43E-07	5.07E-06	1.18E-06	2.97E-06	1.43E-07	4.29E-06	2.91E-07	5.29E-07	4.67E-08	8.67E-07	2.25E-07	2.95E-07	2.13E-08	5.42E-07
2063	565736.7	4222110	2.29E-06	2.8E-06	1.47E-07	5.24E-06	1.21E-06	3.07E-06	1.47E-07	4.43E-06	3.01E-07	5.46E-07	4.82E-08	8.95E-07	2.33E-07	3.04E-07	2.20E-08	5.59E-07
2064	565740.4	4222118	2.36E-06	2.88E-06	1.52E-07	5.40E-06	1.25E-06	3.16E-06	1.52E-07	4.57E-06	3.10E-07	5.63E-07	4.97E-08	9.23E-07	2.40E-07	3.14E-07	2.27E-08	5.76E-07
2065	565744	4222127	2.43E-06	2.97E-06	1.57E-07	5.56E-06	1.29E-06	3.26E-06	1.57E-07	4.70E-06	3.19E-07	5.80E-07	5.12E-08	9.51E-07	2.47E-07	3.23E-07	2.34E-08	5.94E-07
2066	565747.7	4222136	2.5E-06	3.06E-06	1.61E-07	5.72E-06	1.33E-06	3.35E-06	1.61E-07	4.84E-06	3.29E-07	5.97E-07	5.27E-08	9.78E-07	2.54E-07	3.32E-07	2.40E-08	6.11E-07
2067	565751.3	4222145	2.57E-06	3.14E-06	1.65E-07	5.87E-06	1.36E-06	3.44E-06	1.65E-07	4.97E-06	3.38E-07	6.13E-07	5.41E-08	1.00E-06	2.61E-07	3.41E-07	2.47E-08	6.27E-07
2068	565755	4222153	2.64E-06	3.22E-06	1.70E-07	6.02E-06	1.40E-06	3.53E-06	1.70E-07	5.10E-06	3.46E-07	6.29E-07	5.55E-08	1.03E-06	2.68E-07	3.50E-07	2.53E-08	6.43E-07
2069	565758.7	4222162	2.7E-06	3.3E-06	1.74E-07	6.17E-06	1.43E-06	3.61E-06	1.74E-07	5.22E-06	3.54E-07	6.44E-07	5.68E-08	1.06E-06	2.74E-07	3.59E-07	2.59E-08	6.59E-07
2070	565762.3	4222171	2.76E-06	3.37E-06	1.78E-07	6.31E-06	1.46E-06	3.69E-06	1.78E-07	5.33E-06	3.62E-07	6.58E-07	5.81E-08	1.08E-06	2.80E-07	3.66E-07	2.65E-08	6.73E-07
2071	565766	4222180	2.82E-06	3.44E-06	1.81E-07	6.44E-06	1.49E-06	3.77E-06	1.81E-07	5.44E-06	3.70E-07	6.72E-07	5.93E-08	1.10E-06	2.86E-07	3.74E-07	2.71E-08	6.87E-07
2072	565769.6	4222188	2.87E-06	3.51E-06	1.85E-07	6.56E-06	1.52E-06	3.84E-06	1.85E-07	5.55E-06	3.77E-07	6.85E-07	6.04E-08	1.12E-06	2.92E-07	3.81E-07	2.76E-08	7.01E-07
2073	565773.3	4222197	2.92E-06	3.57E-06	1.88E-07	6.68E-06	1.55E-06	3.91E-06	1.88E-07	5.65E-06	3.84E-07	6.97E-07	6.15E-08	1.14E-06	2.97E-07	3.88E-07	2.81E-08	7.13E-07
2074	565776.9	4222206	2.97E-06	3.62E-06	1.91E-07	6.78E-06	1.57E-06	3.97E-06	1.91E-07	5.74E-06	3.90E-07	7.08E-07	6.25E-08	1.16E-06	3.02E-07	3.94E-07	2.85E-08	7.24E-07
2075	565780.6	4222215	3.01E-06	3.68E-06	1.94E-07	6.88E-06	1.60E-06	4.03E-06	1.94E-07	5.82E-06	3.95E-07	7.18E-07	6.34E-08	1.18E-06	3.06E-07	4.00E-07	2.89E-08	7.35E-07
2076	565784.2	4222223	3.05E-06	3.72E-06	1.96E-07	6.97E-06	1.62E-06	4.08E-06	1.96E-07	5.89E-06	4.00E-07	7.27E-07	6.42E-08	1.19E-06	3.10E-07	4.05E-07	2.93E-08	7.44E-07
2077	565714.6	4222033	1.67E-06	2.04E-06	1.07E-07	3.81E-06	8.85E-07	2.23E-06	1.07E-07	3.23E-06	2.19E-07	3.98E-07	3.51E-08	6.52E-07	1.70E-07	2.22E-07	1.60E-08	4.07E-07
2078	565718.4	4222042	1.73E-06	2.12E-06	1.11E-07	3.96E-06	9.18E-07	2.32E-06	1.11E-07	3.35E-06	2.27E-07	4.13E-07	3.65E-08	6.77E-07	1.76E-07	2.30E-07	1.66E-08	4.23E-07
2079	565722.1	4222051	1.8E-06	2.19E-06	1.16E-07	4.11E-06	9.53E-07	2.41E-06	1.16E-07	3.47E-06	2.36E-07	4.29E-07	3.78E-08	7.02E-07	1.83E-07	2.39E-07	1.73E-08	4.39E-07
2080	565725.9	4222060	1.86E-06	2.27E-06	1.20E-07	4.26E-06	9.87E-07	2.49E-06	1.20E-07	3.60E-06	2.45E-07	4.44E-07	3.92E-08	7.28E-07	1.89E-07	2.47E-07	1.79E-08	4.55E-07
2081	565733.5	4222078	2E-06	2.44E-06	1.29E-07	4.57E-06	1.06E-06	2.68E-06	1.29E-07	3.86E-06	2.62E-07	4.77E-07	4.21E-08	7.81E-07	2.03E-07	2.65E-07	1.92E-08	4.88E-07
2082	565737.2	4222087	2.07E-06	2.53E-06	1.33E-07	4.73E-06	1.10E-06	2.77E-06	1.33E-07	4.00E-06	2.72E-07	4.93E-07	4.35E-08	8.08E-07	2.10E-07	2.75E-07	1.99E-08	5.05E-07
2083	565741	4222096	2.14E-06	2.61E-06	1.38E-07	4.89E-06	1.13E-06	2.86E-06	1.38E-07	4.13E-06	2.81E-07	5.10E-07	4.50E-08	8.36E-07	2.17E-07	2.84E-07	2.05E-08	5.22E-07
2084	565744.8	4222105	2.21E-06	2.7E-06	1.42E-07	5.04E-06	1.17E-06	2.96E-06	1.42E-07	4.27E-06	2.90E-07	5.27E-07	4.65E-08	8.63E-07	2.24E-07	2.93E-07	2.12E-08	5.39E-07
2085	565756.1	4222132	2.41E-06	2.95E-06	1.55E-07	5.51E-06	1.28E-06	3.23E-06	1.55E-07	4.66E-06	3.17E-07	5.76E-07	5.08E-08	9.43E-07	2.45E-07	3.21E-07	2.32E-08	5.89E-07
2086	565759.9	4222142	2.48E-06	3.03E-06	1.60E-07	5.66E-06	1.31E-06	3.32E-06	1.60E-07	4.79E-06	3.25E-07	5.91E-07	5.22E-08	9.69E-07	2.52E-07	3.29E-07	2.38E-08	6.05E-07
2087	565763.7	4222151	2.54E-06	3.1E-06	1.64E-07	5.81E-06	1.35E-06	3.40E-06	1.64E-07	4.91E-06	3.34E-07	6.06E-07	5.35E-08	9.94E-07	2.58E-07	3.38E-07	2.44E-08	6.20E-07

2088	565767.5	4222160	2.6E-06	3.18E-06	1.68E-07	5.95E-06	1.38E-06	3.49E-06	1.68E-07	5.03E-06	3.42E-07	6.21E-07	5.48E-08	1.02E-06	2.65E-07	3.46E-07	2.50E-08	6.35E-07
2089	565771.3	4222169	2.66E-06	3.25E-06	1.71E-07	6.08E-06	1.41E-06	3.56E-06	1.71E-07	5.15E-06	3.50E-07	6.35E-07	5.61E-08	1.04E-06	2.70E-07	3.54E-07	2.56E-08	6.50E-07
2090	565775	4222178	2.72E-06	3.32E-06	1.75E-07	6.21E-06	1.44E-06	3.64E-06	1.75E-07	5.25E-06	3.57E-07	6.48E-07	5.72E-08	1.06E-06	2.76E-07	3.61E-07	2.61E-08	6.63E-07
2091	565778.8	4222187	2.77E-06	3.38E-06	1.78E-07	6.33E-06	1.47E-06	3.71E-06	1.78E-07	5.35E-06	3.64E-07	6.61E-07	5.83E-08	1.08E-06	2.81E-07	3.68E-07	2.66E-08	6.76E-07
2092	565782.6	4222196	2.82E-06	3.44E-06	1.81E-07	6.44E-06	1.49E-06	3.77E-06	1.81E-07	5.45E-06	3.70E-07	6.72E-07	5.93E-08	1.10E-06	2.86E-07	3.74E-07	2.71E-08	6.88E-07
2093	565786.4	4222205	2.86E-06	3.5E-06	1.84E-07	6.54E-06	1.52E-06	3.83E-06	1.84E-07	5.53E-06	3.76E-07	6.83E-07	6.03E-08	1.12E-06	2.91E-07	3.80E-07	2.75E-08	6.98E-07
2094	565790.2	4222214	2.9E-06	3.54E-06	1.87E-07	6.63E-06	1.54E-06	3.89E-06	1.87E-07	5.61E-06	3.81E-07	6.92E-07	6.11E-08	1.13E-06	2.95E-07	3.86E-07	2.79E-08	7.08E-07
2095	565793.9	4222223	2.94E-06	3.59E-06	1.89E-07	6.72E-06	1.56E-06	3.93E-06	1.89E-07	5.68E-06	3.86E-07	7.01E-07	6.19E-08	1.15E-06	2.99E-07	3.90E-07	2.82E-08	7.17E-07
2096	565721.5	4222026	1.6E-06	1.96E-06	1.03E-07	3.66E-06	8.49E-07	2.14E-06	1.03E-07	3.10E-06	2.10E-07	3.82E-07	3.37E-08	6.26E-07	1.63E-07	2.13E-07	1.54E-08	3.91E-07
2097	565725.2	4222035	1.66E-06	2.03E-06	1.07E-07	3.80E-06	8.81E-07	2.22E-06	1.07E-07	3.21E-06	2.18E-07	3.96E-07	3.50E-08	6.49E-07	1.69E-07	2.21E-07	1.60E-08	4.05E-07
2098	565729	4222044	1.72E-06	2.1E-06	1.11E-07	3.93E-06	9.13E-07	2.30E-06	1.11E-07	3.33E-06	2.26E-07	4.11E-07	3.62E-08	6.73E-07	1.75E-07	2.29E-07	1.65E-08	4.20E-07
2099	565732.7	4222053	1.78E-06	2.18E-06	1.15E-07	4.07E-06	9.45E-07	2.39E-06	1.15E-07	3.45E-06	2.34E-07	4.25E-07	3.75E-08	6.97E-07	1.81E-07	2.37E-07	1.71E-08	4.35E-07
2100	565736.4	4222062	1.84E-06	2.25E-06	1.19E-07	4.22E-06	9.78E-07	2.47E-06	1.19E-07	3.57E-06	2.42E-07	4.40E-07	3.89E-08	7.21E-07	1.87E-07	2.45E-07	1.77E-08	4.50E-07
2101	565773.9	4222151	2.48E-06	3.02E-06	1.59E-07	5.66E-06	1.31E-06	3.32E-06	1.59E-07	4.79E-06	3.25E-07	5.91E-07	5.21E-08	9.68E-07	2.52E-07	3.29E-07	2.38E-08	6.04E-07
2102	565777.6	4222160	2.53E-06	3.09E-06	1.63E-07	5.79E-06	1.34E-06	3.39E-06	1.63E-07	4.90E-06	3.33E-07	6.04E-07	5.33E-08	9.90E-07	2.57E-07	3.36E-07	2.43E-08	6.18E-07
2103	565781.4	4222169	2.59E-06	3.16E-06	1.66E-07	5.91E-06	1.37E-06	3.46E-06	1.66E-07	5.00E-06	3.40E-07	6.17E-07	5.45E-08	1.01E-06	2.63E-07	3.43E-07	2.48E-08	6.31E-07
2104	565785.1	4222178	2.64E-06	3.22E-06	1.70E-07	6.02E-06	1.40E-06	3.53E-06	1.70E-07	5.10E-06	3.46E-07	6.29E-07	5.55E-08	1.03E-06	2.68E-07	3.50E-07	2.53E-08	6.43E-07
2105	565788.8	4222187	2.68E-06	3.28E-06	1.73E-07	6.13E-06	1.42E-06	3.59E-06	1.73E-07	5.19E-06	3.52E-07	6.40E-07	5.65E-08	1.05E-06	2.73E-07	3.56E-07	2.58E-08	6.55E-07
2106	565792.6	4222196	2.73E-06	3.33E-06	1.76E-07	6.23E-06	1.45E-06	3.65E-06	1.76E-07	5.27E-06	3.58E-07	6.51E-07	5.74E-08	1.07E-06	2.77E-07	3.62E-07	2.62E-08	6.66E-07
2107	565796.3	4222205	2.77E-06	3.38E-06	1.78E-07	6.32E-06	1.47E-06	3.70E-06	1.78E-07	5.35E-06	3.63E-07	6.60E-07	5.83E-08	1.08E-06	2.81E-07	3.68E-07	2.66E-08	6.75E-07
2108	565800.1	4222214	2.8E-06	3.42E-06	1.80E-07	6.41E-06	1.49E-06	3.75E-06	1.80E-07	5.42E-06	3.68E-07	6.69E-07	5.90E-08	1.10E-06	2.85E-07	3.72E-07	2.69E-08	6.84E-07
2109	565803.8	4222223	2.83E-06	3.46E-06	1.82E-07	6.48E-06	1.50E-06	3.80E-06	1.82E-07	5.48E-06	3.72E-07	6.76E-07	5.97E-08	1.11E-06	2.88E-07	3.77E-07	2.72E-08	6.92E-07
2110	565742.9	4222029	1.58E-06	1.93E-06	1.02E-07	3.62E-06	8.39E-07	2.12E-06	1.02E-07	3.06E-06	2.08E-07	3.78E-07	3.33E-08	6.19E-07	1.61E-07	2.10E-07	1.52E-08	3.86E-07
2111	565746.6	4222038	1.64E-06	2E-06	1.05E-07	3.74E-06	8.68E-07	2.19E-06	1.05E-07	3.16E-06	2.15E-07	3.90E-07	3.45E-08	6.40E-07	1.66E-07	2.17E-07	1.57E-08	3.99E-07
2112	565750.3	4222047	1.69E-06	2.06E-06	1.09E-07	3.86E-06	8.96E-07	2.26E-06	1.09E-07	3.27E-06	2.22E-07	4.03E-07	3.56E-08	6.61E-07	1.72E-07	2.25E-07	1.62E-08	4.13E-07
2113	565753.9	4222056	1.75E-06	2.13E-06	1.12E-07	3.99E-06	9.26E-07	2.34E-06	1.12E-07	3.38E-06	2.29E-07	4.17E-07	3.68E-08	6.83E-07	1.77E-07	2.32E-07	1.68E-08	4.26E-07
2114	565765	4222082	1.92E-06	2.34E-06	1.23E-07	4.38E-06	1.02E-06	2.57E-06	1.23E-07	3.70E-06	2.52E-07	4.57E-07	4.04E-08	7.49E-07	1.95E-07	2.55E-07	1.84E-08	4.68E-07
2115	565768.7	4222091	1.97E-06	2.41E-06	1.27E-07	4.51E-06	1.05E-06	2.64E-06	1.27E-07	3.81E-06	2.59E-07	4.71E-07	4.15E-08	7.71E-07	2.00E-07	2.62E-07	1.90E-08	4.81E-07
2116	565772.3	4222100	2.03E-06	2.48E-06	1.31E-07	4.64E-06	1.08E-06	2.72E-06	1.31E-07	3.92E-06	2.66E-07	4.84E-07	4.27E-08	7.93E-07	2.06E-07	2.70E-07	1.95E-08	4.95E-07
2117	565776	4222109	2.08E-06	2.55E-06	1.34E-07	4.76E-06	1.11E-06	2.79E-06	1.34E-07	4.03E-06	2.74E-07	4.97E-07	4.39E-08	8.15E-07	2.12E-07	2.77E-07	2.00E-08	5.09E-07
2118	565779.7	4222117	2.14E-06	2.61E-06	1.38E-07	4.89E-06	1.13E-06	2.86E-06	1.38E-07	4.14E-06	2.81E-07	5.10E-07	4.51E-08	8.36E-07	2.17E-07	2.84E-07	2.06E-08	5.22E-07
2119	565783.4	4222126	2.19E-06	2.68E-06	1.41E-07	5.01E-06	1.16E-06	2.94E-06	1.41E-07	4.24E-06	2.88E-07	5.23E-07	4.62E-08	8.57E-07	2.23E-07	2.91E-07	2.11E-08	5.35E-07
2120	565787.1	4222135	2.25E-06	2.74E-06	1.45E-07	5.13E-06	1.19E-06	3.01E-06	1.45E-07	4.34E-06	2.95E-07	5.36E-07	4.73E-08	8.78E-07	2.28E-07	2.98E-07	2.16E-08	5.48E-07
2121	565790.7	4222144	2.3E-06	2.81E-06	1.48E-07	5.25E-06	1.22E-06	3.08E-06	1.48E-07	4.44E-06	3.02E-07	5.48E-07	4.84E-08	8.98E-07	2.33E-07	3.05E-07	2.21E-08	5.61E-07
2122	565809.2	4222188	2.52E-06	3.07E-06	1.62E-07	5.75E-06	1.33E-06	3.37E-06	1.62E-07	4.87E-06	3.31E-07	6.01E-07	5.30E-08	9.84E-07	2.56E-07	3.34E-07	2.42E-08	6.14E-07
2123	565812.8	4222197	2.55E-06	3.12E-06	1.64E-07	5.83E-06	1.35E-06	3.42E-06	1.64E-07	4.94E-06	3.35E-07	6.09E-07	5.38E-08	9.98E-07	2.59E-07	3.39E-07	2.45E-08	6.23E-07
2124	565816.5	4222206	2.58E-06	3.16E-06	1.66E-07	5.91E-06	1.37E-06	3.46E-06	1.66E-07	5.00E-06	3.39E-07	6.17E-07	5.44E-08	1.01E-06	2.63E-07	3.43E-07	2.48E-08	6.31E-07
2125	565820.2	4222214	2.61E-06	3.19E-06	1.68E-07	5.98E-06	1.39E-06	3.50E-06	1.68E-07	5.05E-06	3.43E-07	6.24E-07	5.51E-08	1.02E-06	2.66E-07	3.47E-07	2.51E-08	6.38E-07
2126	565823.9	4222223	2.67E-06	3.26E-06	1.72E-07	6.10E-06	1.41E-06	3.57E-06	1.72E-07	5.16E-06	3.50E-07	6.36E-07	5.62E-08	1.04E-06	2.71E-07	3.54E-07	2.56E-08	6.51E-07
2127	565761	4222024	1.52E-06	1.85E-06	9.75E-08	3.46E-06	8.04E-07	2.03E-06	9.75E-08	2.93E-06	1.99E-07	3.62E-07	3.19E-08	5.93E-07	1.54E-07	2.01E-07	1.46E-08	3.70E-07
2128	565764.8	4222034	1.56E-06	1.91E-06	1.01E-07	3.58E-06	8.30E-07	2.10E-06	1.01E-07	3.03E-06	2.06E-07	3.73E-07	3.30E-08	6.12E-07	1.59E-07	2.08E-07	1.50E-08	3.82E-07
2129	565768.5	4222043	1.62E-06	1.97E-06	1.04E-07	3.69E-06	8.57E-07	2.16E-06	1.04E-07	3.12E-06	2.12E-07	3.85E-07	3.40E-08	6.32E-07	1.64E-07	2.15E-07	1.55E-08	3.94E-07
2130	565772.3	4222052	1.67E-06	2.04E-06	1.07E-07	3.81E-06	8.84E-07	2.23E-06	1.07E-07	3.22E-06	2.19E-07	3.98E-07	3.51E-08	6.52E-07	1.69E-07	2.21E-07	1.60E-08	4.07E-07
2131	565776.1	4222061	1.72E-06	2.1E-06	1.11E-07	3.93E-06	9.11E-07	2.30E-06	1.11E-07	3.32E-06	2.26E-07	4.10E-07	3.62E-08	6.72E-07	1.75E-07	2.28E-07	1.65E-08	4.19E-07
2132	565783.6	4222079	1.82E-06	2.22E-06	1.17E-07	4.16E-06	9.66E-07	2.44E-06	1.17E-07	3.52E-06	2.39E-07	4.35E-07	3.84E-08	7.12E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
2133	565787.3	4222088	1.87E-06	2.29E-06	1.21E-07	4.28E-06	9.93E-07	2.51E-06	1.21E-07	3.62E-06	2.46E-07	4.47E-07	3.94E-08	7.32E-07	1.90E-07	2.49E-07	1.80E-08	4.57E-07
2134	565791.1	4222097	1.92E-06	2.35E-06	1.24E-07	4.40E-06	1.02E-06	2.58E-06	1.24E-07	3.72E-06	2.53E-07	4.59E-07	4.05E-08	7.52E-07	1.96E-07	2.56E-07	1.85E-08	4.70E-07
2135	565794.9	4222106	1.94E-06	2.37E-06	1.25E-07	4.44E-06	1.03E-06	2.60E-06	1.25E-07	3.76E-06	2.55E-07	4.64E-07	4.09E-08	7.60E-07	1.98E-07	2.58E-07	1.87E-08	4.74E-07
2136	565798.6	4222115	2E-06	2.44E-06	1.29E-07	4.56E-06	1.06E-06	2.67E-06	1.29E-07	3.86E-06	2.62E-07	4.76E-07	4.21E-08	7.81E-07	2.03E-07	2.65E-07	1.92E-08	4.87E-07
2137	565802.4	4222124	2.05E-06	2.5E-06	1.32E-07	4.68E-06	1.09E-06	2.74E-06	1.32E-07	3.96E-06	2.69E-07	4.89E-07	4.31E-08	8.01E-07	2.08E-07	2.72E-07	1.97E-08	5.00E-07
2138	565806.2	4222133	2.1E-06	2.57E-06	1.35E-07	4.80E-06	1.11E-06	2.81E-06	1.35E-07	4.06E-06	2.76E-07	5.01E-07	4.42E-08	8.21E-07	2.13E-07	2.79E-07	2.02E-08	5.13E-07
2139	565809.9	4222142	2.15E-06	2.63E-06	1.39E-07	4.92E-06	1.14E-06	2.88E-06	1.39E-07	4.16E-06	2.83E-07	5.14E-07	4.53E-08	8.42E-07	2.19E-07	2.86E-07	2.07E-08	5.25E-07
2140	565813.7	4222151	2.21E-06	2.7E-06	1.42E-07	5.05E-06	1.17E-06	2.96E-06	1.42E-07	4.27E-06	2.90E-07	5.27E-07	4.65E-08	8.64E-07	2.24E-07	2.93E-07	2.12E-08	5.39E-07
2141	565817.5	4222160	2.25E-06	2.75E-06	1.45E-07	5.14E-06	1.19E-06	3.01E-06	1.45E-07	4.35E-06	2.96E-07	5.37E-07	4.74E-08	8.80E-07	2.29E-07	2.99E-07	2.16E-08	5.49E-07
2142	565821.2	4222169	2.29E-06	2.8E-06	1.47E-07	5.23E-06	1.21E-06	3.06E-06	1.47E-07	4.43E-06	3.01E-07	5.46E-07	4.82E-08	8.95E-07	2.33E-07	3.04E-07	2.20E-08	5.59E-07
2143	565825	4222178	2.33E-06	2.85E-06	1.50E-07	5.33E-06	1.24E-06	3.12E-06	1.50E-07	4.51E-06	3.06E-07	5.56E-07	4.91E-08	9.12E-07	2.37E-07	3.10E-07	2.24E-08	5.69E-07
2144	565843.8	4222223	2.49E-06	3.04E-06	1.60E-07	5.69E-06	1.32E-06	3.34E-06	1.60E-07	4.82E-06	3.27E-07	5.94E-07	5.25E-08	9.74E-07	2.53E-07	3.31E-07	2.39E-08	6.08E-07
2145	565782.3	4222028	1.49E-06	1.82E-06	9.59E-08	3.41E-06	7.90E-07	2.00E-06	9.59E-08	2.88E-06	1.96E-07	3.56E-07	3.14E-08	5.83E-07	1.51E-07	1.98E-07	1.43E-08	3.64E-07
2146	565786	4222036	1.54E-06	1.88E-06	9.88E-08	3.51E-06	8.14E-07	2.06E-06	9.88E-08	2.97E-06	2.02E-07	3.66E-07	3.23E-08	6.00E-07	1.56E-07	2.04E-07	1.48E-08	3.75E-07
2147	565789.7	4222045	1.58E-06	1.93E-06	1.02E-07	3.61E-06	8.38E-07	2.12E-06	1.02E-07	3.06E-06	2.08E-07	3.77E-07	3.33E-08	6.18E-07	1.61E-07	2.10E-07	1.52E-08	3.86E-07
2148	565793.4	4222054	1.63E-06	1.99E-06	1.05E-07	3.72E-06	8.62E-07	2.18E-06	1.05E-07	3.14E-06	2.14E-07	3.88E-07	3.42E-08	6.36E-07	1.65E-07	2.16E-07	1.56E-08	3.97E-07
2149	565800.8	4222072	1.72E-06	2.1E-06	1.11E-07	3.92E-06	9.10E-07	2.30E-06	1.11E-07	3.32E-06	2.26E-07	4.10E-07	3.62E-08	6.71E-07	1.75E-07	2.28E-07	1.65E-08	4.19E-07
2150	565804.5	4222081	1.76E-06	2.15E-06	1.13E-07	4.03E-06	9.35E-07	2.36E-06	1.13E-07	3.41E-06	2.32E-07	4.21E-07	3.71E-08	6.89E-07	1.79E-07	2.34E-07	1.69E-08	4.30E-07
2151	565808.3	4222090	1.81E-06	2.21E-06	1.16E-07	4.13E-06	9.59E-07	2.42E-06	1.16E-07	3.50E-06	2.37E-07	4.31E-07	3.81E-08	7.07E-07	1.84E-07	2.40E-07	1.74E-08	4.41E-07
2152	565812	4222099	1.83E-06	2.23E-06	1.17E-07	4.17E-06	9.68E-07	2.44E-06	1.17E-07	3.53E-06	2.40E-07	4.35E-07	3.84E-08	7.14E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
2153	565815.7	4222108	1.87E-06	2.28E-06	1.20E-07	4.27E-06	9.92E-07	2.50E-06	1.20E-07	3.62E-06	2.46E-07	4.46E-07	3.94E-08	7.31E-07	1.90E-07	2.48E-07	1.80E-08	4.56E-07
2154	565819.4	4222116	1.91E-06	2.34E-06	1.23E-07	4.37E-06	1.01E-06	2.56E-06	1.23E-07	3.70E-06	2.51E-07	4.57E-07	4.03E-08	7.48E-07	1.94E-07	2.54E-07	1.84E-08	4.67E-07
2155	565823.1	4222125	1.96E-06	2.39E-06	1.26E-07	4.47E-06	1.04E-06	2.62E-06	1.26E-07	3.78E-06	2.57E-07	4.67E-07	4.12E-08	7.65E-07	1.99E-07	2.60E-07	1.88E-08	4.77E-07
2156	565826.8	4222134	2E-06	2.45E-06	1.29E-07	4.58E-06	1.06E-06	2.68E-06	1.29E-07	3.87E-06	2.63E-07	4.78E-07	4.22E-08	7.83E-07	2.04E-07	2.66E-07	1.92E-08	4.89E-07
2157	565830.5	4222143	2.05E-06	2.5E-06	1.32E-07	4.68E-06	1.09E-06	2.74E-06	1.32E-07	3.96E-06	2.69E-07	4.89E-07	4.31E-08	8.01E-07	2.08E-07	2.72E-07	1.97E-08	5.00E-07
2158	565834.2	4222152	2.09E-06	2.55E-06	1.35E-07	4.78E-06	1.11E-06	2.80E-06	1.35E-07	4.04E-06	2.75E-07	4.99E-07	4.40E-08	8.17E-07	2.12E-07	2.78E-07	2.01E-08	5.10E-07
2159	565837.9	4222161	2.13E-06	2.6E-06	1.37E-07	4.87E-06	1.13E-06	2.85E-06	1.37E-07	4.12E-06	2.80E-07	5.08E-07	4.49E-08	8.33E-07	2.16E-07	2.83E-07	2.05E-08	5.20E-07
2160	565841.6	4222170	2.17E-06	2.65E-06	1.39E-07	4.95E-06	1.15E-06	2.90E-06	1.39E-07	4.19E-06	2.84E-07	5.17E-07	4.56E-08	8.47E-07	2.20E-07	2.88E-07	2.08E-08	5.29E-07
2161	565845.3	4222179	2.2E-06	2.69E-06	1.42E-07	5.03E-06	1.17E-06	2.95E-06	1.42E-07	4.25E-06	2.89E-07	5.25E-07	4.63E-08	8.60E-07	2.24E-07	2.92E-07	2.11E-08	5.37E-07
2162	565849	4222188	2.23E-06	2.73E-06	1.44E-07	5.10E-06	1.18E-06	2.99E-06	1.44E-07	4.31E-06	2.93E-07	5.32E-07	4.70E-08	8.72E-07	2.27E-07	2.96E-07	2.14E-08	5.45E-07
2163	565852.7	4222196	2.26E-06	2.76E-06	1.45E-07	5.17E-06	1.20E-06	3.03E-06	1.45E-07	4.37E-06	2.97E-07	5.39E-07	4.76E-08	8.84E-07	2.30E-07	3.00E-07	2.17E-08	5.52E-07
2164	565856.4	4222205	2.29E-06	2.79E-06	1.47E-07	5.23E-06	1.21E-06	3.06E-06	1.47E-07	4.42E-06	3.00E-07	5.46E-07	4.82E-08	8.94E-07	2.32E-07	3.04E-07	2.20E-08	5.58E-07
2165	565860.1	4222214	2.31E-06	2.83E-06	1.49E-07	5.29E-06	1.23E-06	3.10E-06	1.49E-07	4.47E-06	3.04E-07	5.52E-07	4.87E-08	9.04E-07	2.35E-07	3.07E-07	2.22E-08	5.65E-07
2166	565819.5	4222069	1.64E-06	2E-06	1.05E-07	3.75E-06	8.69E-07	2.19E-06	1.05E-07	3.17E-06	2.15E-07	3.91E-07	3.45E-08	6.41E-07	1.67E-07	2.18E-07	1.57E-08	4.00E-07
2167	565823.3	4222078	1.68E-06	2.05E-06	1.08E-07	3.84E-06	8.91E-07	2.25E-06	1.08E-07	3.25E-06	2.21E-07	4.01E-07	3.54E-08	6.57E-07	1.71E-07	2.23E-07	1.61E-08	4.10E-07
2168	565827.1	4222087	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.98E-07	2.27E-06	1.09E-07	3.28E-06	2.23E-07	4.04E-07	3.57E-08	6.63E-07	1.72E-07	2.25E-07	1.63E-08	4.14E-07
2169	565830.9	4222096	1.74E-06	2.12E-06	1.12E-07	3.97E-06	9.21E-07	2.33E-06	1.12E-07	3.36E-06	2.28E-07	4.15E-07	3.66E-08	6.79E-07	1.77E-07	2.31E-07	1.67E-08	4.24E-07
2170	565834.6	4222105	1.78E-06	2.17E-06	1.14E-07	4.06E-06	9.43E-07	2.38E-06	1.14E-07	3.44E-06	2.33E-07	4.24E-07	3.74E-08	6.95E-07	1.81E-07	2.36E-07	1.71E-08	4.34E-07
2171	565838.4	4222114	1.82E-06	2.22E-06	1.17E-07	4.16E-06	9.64E-07	2.43E-06	1.17E-07	3.52E-06	2.39E-07	4.34E-07	3.83E-08	7.11E-07	1.85E-07	2.42E-07	1.75E-08	4.44E-07
2172	565842.2	4222123	1.86E-06	2.27E-06	1.20E-07	4.25E-06	9.85E-07	2.49E-06	1.20E-07	3.59E-06	2.44E-07	4.43E-07	3.91E-08	7.26E-07	1.89E-07	2.47E-07	1.79E-08	4.54E-07
2173	565846	4222132	1.9E-06	2.32E-06	1.22E-07	4.34E-06	1.01E-06	2.54E-06	1.22E-07	3.67E-06	2.49E-07	4.53E-07	4.00E-08	7.42E-07	1.93E-07	2.52E-07	1.82E-08	4.63E-07
2174	565849.8	4222141	1.94E-06	2.37E-06	1.25E-07	4.43E-06	1.03E-06	2.59E-06	1.25E-07	3.75E-06	2.55E-07	4.62E-07	4.08E-08	7.58E-07	1.97E-07	2.57E-07	1.86E-08	4.73E-07
2175	565853.5	4222150	1.97E-06	2.41E-06	1.27E-07	4.51E-06	1.05E-06	2.64E-06	1.27E-07	3.82E-06	2.59E-07	4.71E-07	4.16E-08	7.72E-07	2.01E-07	2.62E-07	1.90E-08	4.82E-07
2176	565857.3	4222159	2.01E-06	2.45E-06	1.29E-07	4.59E-06	1.07E-06	2.69E-06	1.29E-07	3.88E-06	2.64E-07	4.79E-07	4.23E-08	7.85E-07	2.04E-07	2.67E-07	1.93E-08	4.90E-07
2177	565861.1	4222169	2.04E-06	2.49E-06	1.31E-07	4.66E-06	1.08E-06	2.73E-06	1.31E-07	3.95E-06	2.68E-07	4.87E-07	4.30E-08	7.98E-07	2.07E-07	2.71E-07	1.96E-08	4.98E-07
2178	565864.9	4222178	2.07E-06	2.53E-06	1.33E-07	4.73E-06	1.10E-06	2.77E-06	1.33E-07	4.00E-06	2.72E-07	4.94E-07	4.36E-08	8.10E-07	2.10E-07	2.75E-07	1.99E-08	5.06E-07
2179	565868.7	4222187	2.1E-06	2.56E-06	1.35E-07	4.80E-06	1.11E-06	2.81E-06	1.35E-07	4.06E-06	2.76E-07	5.01E-07	4.42E-08	8.21E-07	2.13E-07	2.79E-07	2.02E-08	5.12E-07
2180	565872.4	4222196	2.13E-06	2.6E-06	1.37E-07	4.86E-06	1.13E-06	2.85E-06	1.37E-07	4.11E-06	2.79E-07	5.07E-07	4.48E-08	8.31E-07	2.16E-07	2.83E-07	2.04E-08	5.19E-07
2181	565876.2	4222205	2.15E-06	2.63E-06	1.39E-07	4.92E-06	1.14E-06	2.88E-06	1.39E-07	4.16E-06	2.83E-07	5.14E-07	4.53E-08	8.42E-07	2.19E-07	2.86E-07	2.07E-08	5.25E-07
2182	565880	4222214	2.18E-06	2.66E-06	1.40E-07	4.97E-06	1.15E-06	2.91E-06	1.40E-07	4.21E-06	2.86E-07	5.19E-07	4.58E-08	8.51E-07	2.21E-07	2.89E-07	2.09E-08	5.31E-07
2183	565883.8	4222223	2.2E-06	2.68E-06	1.41E-07	5.02E-06	1.16E-06	2.94E-06	1.41E-07	4.25E-06	2.88E-07	5.24E-07	4.63E-08	8.59E-07	2.23E-07	2.92E-07	2.11E-08	5.36E-07
2184	565862.8	4222125	1.78E-06	2.17E-06	1.15E-07	4.07E-06	9.43E-07	2.38E-06	1.15E-07	3.44E-06	2.34E-07	4.24E-07	3.75E-08	6.96E-07	1.81E-07	2.36E-07	1.71E-08	4.34E-07
2185	565866.6	4222134	1.81E-06	2.21E-06	1.17E-07	4.14E-06	9.61E-07	2.43E-06	1.17E-07	3.50E-06	2.38E-07	4.32E-07	3.82E-08	7.09E-07	1.84E-07	2.41E-07	1.74E-08	4.42E-07
2186	565870.3	4222143	1.85E-06	2.25E-06	1.19E-07	4.22E-06	9.78E-07	2.47E-06	1.19E-07	3.57E-06	2.42E-07	4.40E-07	3.89E-08	7.21E-07	1.88E-07	2.45E-07	1.77E-08	4.50E-07
2187	565874	4222151	1.88E-06	2.29E-06	1.21E-07	4.29E-06	9.94E-07	2.51E-06	1.21E-07	3.63E-06	2.46E-07	4.48E-07	3.95E-08	7.33E-07	1.91E-07	2.49E-07	1.80E-08	4.58E-07
2188	565877.7	4222160	1.91E-06	2.33E-06	1.23E-07	4.35E-06	1.01E-06	2.55E-06	1.23E-07	3.68E-06	2.50E-07	4.54E-07	4.01E-08	7.45E-07	1.94E-07	2.53E-07	1.83E-08	4.65E-07
2189	565881.5	4222169	1.93E-06	2.36E-06	1.24E-07	4.42E-06	1.02E-06	2.59E-06	1.24E-07	3.74E-06	2.54E-07	4.61E-07	4.07E-08	7.55E-07	1.96E-07	2.57E-07	1.86E-08	4.72E-07
2190	565885.2	4222178	1.96E-06	2.39E-06	1.26E-07	4.48E-06	1.04E-06	2.62E-06	1.26E-07	3.79E-06	2.57E-07	4.67E-07	4.12E-08	7.66E-07	1.99E-07	2.60E-07	1.88E-08	4.78E-07
2191	565888.9	4222187	1.98E-06	2.42E-06	1.28E-07	4.53E-06	1.05E-06	2.66E-06	1.28E-07	3.84E-06	2.61E-07	4.73E-07	4.18E-08	7.76E-07	2.02E-07	2.64E-07	1.91E-08	4.84E-07
2192	565892.7	4222196	2.01E-06	2.45E-06	1.29E-07	4.59E-06	1.06E-06	2.69E-06	1.29E-07	3.88E-06	2.64E-07	4.79E-07	4.23E-08	7.85E-07	2.04E-07	2.67E-07	1.93E-08	4.90E-07
2193	565896.4	4222205	2.03E-06	2.48E-06	1.31E-07	4.64E-06	1.08E-06	2.72E-06	1.31E-07	3.93E-06	2.67E-07	4.84E-07	4.28E-08	7.94E-07	2.06E-07	2.70E-07	1.95E-08	4.96E-07
2194	565900.1	4222214	2.05E-06	2.5E-06	1.32E-07	4.68E-06	1.09E-06	2.74E-06	1.32E-07	3.96E-06	2.69E-07	4.89E-07	4.32E-08	8.01E-07	2.08E-07	2.72E-07	1.97E-08	5.00E-07
2195	565903.8	4222223	2.07E-06	2.52E-06	1.33E-07	4.72E-06	1.09E-06	2.76E-06	1.33E-07	3.99E-06	2.71E-07	4.93E-07	4.35E-08	8.07E-07	2.10E-07	2.74E-07	1.98E-08	5.04E-07
2196	565897.2	4222159	1.81E-06	2.21E-06	1.16E-07	4.13E-06	9.58E-07	2.42E-06	1.16E-07	3.49E-06	2.37E-07	4.31E-07	3.80E-08	7.06E-07	1.84E-07	2.40E-07	1.74E-08	4.41E-07
2197	565901	4222168	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.71E-07	2.45E-06	1.18E-07	3.54E-06	2.41E-07	4.37E-07	3.86E-08	7.16E-07	1.86E-07	2.43E-07	1.76E-08	4.47E-07

2198	565904.8	4222177	1.86E-06	2.27E-06	1.19E-07	4.24E-06	9.84E-07	2.48E-06	1.19E-07	3.59E-06	2.44E-07	4.43E-07	3.91E-08	7.26E-07	1.89E-07	2.47E-07	1.78E-08	4.53E-07
2199	565908.6	4222186	1.88E-06	2.29E-06	1.21E-07	4.29E-06	9.96E-07	2.51E-06	1.21E-07	3.63E-06	2.47E-07	4.48E-07	3.96E-08	7.34E-07	1.91E-07	2.49E-07	1.80E-08	4.58E-07
2200	565912.4	4222195	1.9E-06	2.32E-06	1.22E-07	4.34E-06	1.01E-06	2.54E-06	1.22E-07	3.67E-06	2.49E-07	4.53E-07	4.00E-08	7.42E-07	1.93E-07	2.52E-07	1.82E-08	4.63E-07
2201	565916.2	4222205	1.92E-06	2.34E-06	1.23E-07	4.38E-06	1.02E-06	2.57E-06	1.23E-07	3.70E-06	2.52E-07	4.57E-07	4.03E-08	7.49E-07	1.95E-07	2.55E-07	1.84E-08	4.68E-07
2202	565920	4222214	1.93E-06	2.36E-06	1.24E-07	4.41E-06	1.02E-06	2.59E-06	1.24E-07	3.73E-06	2.54E-07	4.61E-07	4.07E-08	7.55E-07	1.96E-07	2.57E-07	1.86E-08	4.71E-07
2203	565923.8	4222223	1.94E-06	2.37E-06	1.25E-07	4.44E-06	1.03E-06	2.60E-06	1.25E-07	3.76E-06	2.55E-07	4.64E-07	4.10E-08	7.60E-07	1.98E-07	2.58E-07	1.87E-08	4.75E-07
2204	565932.6	4222196	1.8E-06	2.19E-06	1.16E-07	4.10E-06	9.52E-07	2.40E-06	1.16E-07	3.47E-06	2.36E-07	4.28E-07	3.78E-08	7.02E-07	1.82E-07	2.39E-07	1.73E-08	4.38E-07
2205	565936.3	4222205	1.81E-06	2.21E-06	1.16E-07	4.14E-06	9.60E-07	2.42E-06	1.16E-07	3.50E-06	2.38E-07	4.32E-07	3.81E-08	7.08E-07	1.84E-07	2.40E-07	1.74E-08	4.42E-07
2206	565940.1	4222214	1.82E-06	2.23E-06	1.17E-07	4.17E-06	9.66E-07	2.44E-06	1.17E-07	3.52E-06	2.39E-07	4.35E-07	3.84E-08	7.13E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
2207	565943.8	4222223	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.72E-07	2.46E-06	1.18E-07	3.55E-06	2.41E-07	4.38E-07	3.86E-08	7.17E-07	1.86E-07	2.44E-07	1.76E-08	4.48E-07
2208	565921.9	4222122	1.54E-06	1.89E-06	9.94E-08	3.53E-06	8.19E-07	2.07E-06	9.94E-08	2.99E-06	2.03E-07	3.68E-07	3.25E-08	6.04E-07	1.57E-07	2.05E-07	1.48E-08	3.77E-07
2209	565929.5	4222044	1.22E-06	1.49E-06	7.83E-08	2.78E-06	6.45E-07	1.63E-06	7.83E-08	2.35E-06	1.60E-07	2.90E-07	2.56E-08	4.76E-07	1.24E-07	1.62E-07	1.17E-08	2.97E-07
2210	565933.2	4222053	1.24E-06	1.52E-06	7.98E-08	2.84E-06	6.58E-07	1.66E-06	7.98E-08	2.40E-06	1.63E-07	2.96E-07	2.61E-08	4.85E-07	1.26E-07	1.65E-07	1.19E-08	3.03E-07
2211	565936.9	4222062	1.26E-06	1.54E-06	8.13E-08	2.89E-06	6.70E-07	1.69E-06	8.13E-08	2.44E-06	1.66E-07	3.01E-07	2.66E-08	4.94E-07	1.28E-07	1.68E-07	1.21E-08	3.08E-07
2212	565940.6	4222071	1.29E-06	1.57E-06	8.27E-08	2.94E-06	6.82E-07	1.72E-06	8.27E-08	2.49E-06	1.69E-07	3.07E-07	2.71E-08	5.03E-07	1.31E-07	1.71E-07	1.24E-08	3.14E-07
2213	565944.4	4222080	1.31E-06	1.6E-06	8.42E-08	2.99E-06	6.94E-07	1.75E-06	8.42E-08	2.53E-06	1.72E-07	3.12E-07	2.76E-08	5.12E-07	1.33E-07	1.74E-07	1.26E-08	3.19E-07
2214	565944.6	4222033	1.15E-06	1.4E-06	7.40E-08	2.63E-06	6.09E-07	1.54E-06	7.40E-08	2.22E-06	1.51E-07	2.74E-07	2.42E-08	4.49E-07	1.17E-07	1.53E-07	1.10E-08	2.80E-07
2215	565948.4	4222042	1.17E-06	1.43E-06	7.54E-08	2.68E-06	6.21E-07	1.57E-06	7.54E-08	2.26E-06	1.54E-07	2.79E-07	2.47E-08	4.58E-07	1.19E-07	1.56E-07	1.13E-08	2.86E-07
2216	565952.1	4222051	1.19E-06	1.46E-06	7.67E-08	2.72E-06	6.32E-07	1.60E-06	7.67E-08	2.30E-06	1.57E-07	2.84E-07	2.51E-08	4.66E-07	1.21E-07	1.58E-07	1.15E-08	2.91E-07
2217	565955.9	4222060	1.21E-06	1.48E-06	7.81E-08	2.77E-06	6.43E-07	1.62E-06	7.81E-08	2.35E-06	1.59E-07	2.90E-07	2.56E-08	4.74E-07	1.23E-07	1.61E-07	1.17E-08	2.96E-07
2218	565959.7	4222069	1.23E-06	1.51E-06	7.95E-08	2.82E-06	6.55E-07	1.65E-06	7.95E-08	2.39E-06	1.62E-07	2.95E-07	2.60E-08	4.83E-07	1.25E-07	1.64E-07	1.19E-08	3.01E-07
2219	565963.4	4222078	1.26E-06	1.53E-06	8.08E-08	2.87E-06	6.66E-07	1.68E-06	8.08E-08	2.43E-06	1.65E-07	3.00E-07	2.64E-08	4.91E-07	1.28E-07	1.67E-07	1.21E-08	3.06E-07
2220	565967.2	4222087	1.27E-06	1.56E-06	8.20E-08	2.91E-06	6.76E-07	1.71E-06	8.20E-08	2.46E-06	1.67E-07	3.04E-07	2.68E-08	4.98E-07	1.30E-07	1.69E-07	1.22E-08	3.11E-07
2221	565971	4222096	1.29E-06	1.58E-06	8.32E-08	2.95E-06	6.85E-07	1.73E-06	8.32E-08	2.50E-06	1.70E-07	3.08E-07	2.72E-08	5.05E-07	1.31E-07	1.72E-07	1.24E-08	3.15E-07
2222	565974.8	4222105	1.31E-06	1.6E-06	8.44E-08	3.00E-06	6.95E-07	1.76E-06	8.44E-08	2.54E-06	1.72E-07	3.13E-07	2.76E-08	5.13E-07	1.33E-07	1.74E-07	1.26E-08	3.20E-07
2223	565978.5	4222114	1.33E-06	1.62E-06	8.56E-08	3.04E-06	7.05E-07	1.78E-06	8.56E-08	2.57E-06	1.75E-07	3.17E-07	2.80E-08	5.20E-07	1.35E-07	1.77E-07	1.28E-08	3.25E-07
2224	565982.3	4222123	1.35E-06	1.65E-06	8.67E-08	3.08E-06	7.14E-07	1.80E-06	8.67E-08	2.60E-06	1.77E-07	3.21E-07	2.84E-08	5.27E-07	1.37E-07	1.79E-07	1.29E-08	3.29E-07
2225	566023.8	4222223	1.47E-06	1.79E-06	9.46E-08	3.36E-06	7.79E-07	1.97E-06	9.46E-08	2.84E-06	1.93E-07	3.51E-07	3.09E-08	5.75E-07	1.49E-07	1.95E-07	1.41E-08	3.59E-07
2226	565626.9	4221740	5.56E-07	6.79E-07	3.58E-08	1.27E-06	2.95E-07	7.44E-07	3.58E-08	1.07E-06	7.30E-08	1.33E-07	1.17E-08	2.17E-07	5.65E-08	7.38E-08	5.34E-09	1.36E-07
2227	565635.9	4221743	5.63E-07	6.87E-07	3.62E-08	1.29E-06	2.98E-07	7.53E-07	3.62E-08	1.09E-06	7.39E-08	1.34E-07	1.18E-08	2.20E-07	5.72E-08	7.47E-08	5.40E-09	1.37E-07
2228	565644.9	4221747	5.69E-07	6.95E-07	3.66E-08	1.30E-06	3.02E-07	7.62E-07	3.66E-08	1.10E-06	7.48E-08	1.36E-07	1.20E-08	2.23E-07	5.79E-08	7.56E-08	5.47E-09	1.39E-07
2229	565653.8	4221751	5.76E-07	7.04E-07	3.71E-08	1.32E-06	3.05E-07	7.71E-07	3.71E-08	1.11E-06	7.57E-08	1.37E-07	1.21E-08	2.25E-07	5.85E-08	7.65E-08	5.54E-09	1.41E-07
2230	565662.8	4221754	5.83E-07	7.12E-07	3.75E-08	1.33E-06	3.09E-07	7.80E-07	3.75E-08	1.13E-06	7.65E-08	1.39E-07	1.23E-08	2.28E-07	5.92E-08	7.74E-08	5.60E-09	1.42E-07
2231	565958	4222017	1.08E-06	1.31E-06	6.92E-08	2.46E-06	5.70E-07	1.44E-06	6.92E-08	2.08E-06	1.41E-07	2.56E-07	2.26E-08	4.20E-07	1.09E-07	1.43E-07	1.03E-08	2.62E-07
2232	565961.7	4222026	1.1E-06	1.34E-06	7.05E-08	2.50E-06	5.81E-07	1.47E-06	7.05E-08	2.12E-06	1.44E-07	2.61E-07	2.31E-08	4.28E-07	1.11E-07	1.46E-07	1.05E-08	2.67E-07
2233	565965.4	4222035	1.12E-06	1.36E-06	7.18E-08	2.55E-06	5.91E-07	1.49E-06	7.18E-08	2.16E-06	1.46E-07	2.66E-07	2.35E-08	4.36E-07	1.13E-07	1.48E-07	1.07E-08	2.72E-07
2234	565969.2	4222044	1.14E-06	1.39E-06	7.31E-08	2.60E-06	6.02E-07	1.52E-06	7.31E-08	2.20E-06	1.49E-07	2.71E-07	2.39E-08	4.44E-07	1.15E-07	1.51E-07	1.09E-08	2.77E-07
2235	565972.9	4222053	1.16E-06	1.41E-06	7.44E-08	2.64E-06	6.13E-07	1.55E-06	7.44E-08	2.24E-06	1.52E-07	2.76E-07	2.43E-08	4.52E-07	1.17E-07	1.54E-07	1.11E-08	2.82E-07
2236	565976.6	4222061	1.18E-06	1.44E-06	7.57E-08	2.69E-06	6.24E-07	1.58E-06	7.57E-08	2.27E-06	1.54E-07	2.81E-07	2.48E-08	4.60E-07	1.20E-07	1.56E-07	1.13E-08	2.87E-07
2237	565980.4	4222070	1.19E-06	1.46E-06	7.69E-08	2.73E-06	6.33E-07	1.60E-06	7.69E-08	2.31E-06	1.57E-07	2.85E-07	2.52E-08	4.67E-07	1.21E-07	1.59E-07	1.15E-08	2.92E-07
2238	565984.1	4222079	1.21E-06	1.48E-06	7.80E-08	2.77E-06	6.42E-07	1.62E-06	7.80E-08	2.34E-06	1.59E-07	2.89E-07	2.55E-08	4.74E-07	1.23E-07	1.61E-07	1.16E-08	2.96E-07
2239	565987.8	4222088	1.23E-06	1.5E-06	7.90E-08	2.80E-06	6.50E-07	1.64E-06	7.90E-08	2.37E-06	1.61E-07	2.93E-07	2.58E-08	4.80E-07	1.25E-07	1.63E-07	1.18E-08	2.99E-07
2240	565991.6	4222097	1.24E-06	1.52E-06	7.99E-08	2.84E-06	6.58E-07	1.66E-06	7.99E-08	2.40E-06	1.63E-07	2.96E-07	2.61E-08	4.85E-07	1.26E-07	1.65E-07	1.19E-08	3.03E-07
2241	565995.3	4222106	1.26E-06	1.54E-06	8.10E-08	2.88E-06	6.67E-07	1.68E-06	8.10E-08	2.43E-06	1.65E-07	3.00E-07	2.65E-08	4.92E-07	1.28E-07	1.67E-07	1.21E-08	3.07E-07
2242	565999	4222115	1.27E-06	1.56E-06	8.20E-08	2.91E-06	6.76E-07	1.71E-06	8.20E-08	2.46E-06	1.67E-07	3.04E-07	2.68E-08	4.98E-07	1.30E-07	1.69E-07	1.22E-08	3.11E-07
2243	566002.8	4222124	1.29E-06	1.57E-06	8.30E-08	2.95E-06	6.84E-07	1.73E-06	8.30E-08	2.49E-06	1.69E-07	3.08E-07	2.72E-08	5.04E-07	1.31E-07	1.71E-07	1.24E-08	3.15E-07
2244	566006.5	4222133	1.3E-06	1.59E-06	8.39E-08	2.98E-06	6.91E-07	1.75E-06	8.39E-08	2.52E-06	1.71E-07	3.11E-07	2.75E-08	5.10E-07	1.32E-07	1.73E-07	1.25E-08	3.18E-07
2245	566010.2	4222142	1.32E-06	1.61E-06	8.48E-08	3.01E-06	6.98E-07	1.76E-06	8.48E-08	2.55E-06	1.73E-07	3.14E-07	2.77E-08	5.15E-07	1.34E-07	1.75E-07	1.27E-08	3.21E-07
2246	566014	4222151	1.33E-06	1.62E-06	8.56E-08	3.04E-06	7.05E-07	1.78E-06	8.56E-08	2.57E-06	1.75E-07	3.17E-07	2.80E-08	5.20E-07	1.35E-07	1.77E-07	1.28E-08	3.24E-07
2247	566017.7	4222160	1.34E-06	1.64E-06	8.63E-08	3.06E-06	7.11E-07	1.80E-06	8.63E-08	2.59E-06	1.76E-07	3.20E-07	2.82E-08	5.24E-07	1.36E-07	1.78E-07	1.29E-08	3.27E-07
2248	566036.4	4222205	1.38E-06	1.69E-06	8.89E-08	3.16E-06	7.32E-07	1.85E-06	8.89E-08	2.67E-06	1.81E-07	3.30E-07	2.91E-08	5.40E-07	1.40E-07	1.83E-07	1.33E-08	3.37E-07
2249	566040.1	4222214	1.39E-06	1.69E-06	8.91E-08	3.17E-06	7.34E-07	1.85E-06	8.91E-08	2.68E-06	1.82E-07	3.30E-07	2.92E-08	5.42E-07	1.41E-07	1.84E-07	1.33E-08	3.38E-07
2250	566043.8	4222223	1.39E-06	1.7E-06	8.95E-08	3.18E-06	7.37E-07	1.86E-06	8.95E-08	2.69E-06	1.83E-07	3.32E-07	2.93E-08	5.44E-07	1.41E-07	1.85E-07	1.34E-08	3.39E-07
2251	565628.5	4221720	5.26E-07	6.42E-07	3.38E-08	1.20E-06	2.79E-07	7.04E-07	3.38E-08	1.02E-06	6.90E-08	1.25E-07	1.11E-08	2.06E-07	5.34E-08	6.98E-08	5.05E-09	1.28E-07
2252	565637.6	4221724	5.32E-07	6.5E-07	3.42E-08	1.22E-06	2.82E-07	7.12E-07	3.42E-08	1.03E-06	6.99E-08	1.27E-07	1.12E-08	2.08E-07	5.41E-08	7.07E-08	5.11E-09	1.30E-07
2253	565646.7	4221728	5.38E-07	6.57E-07	3.46E-08	1.23E-06	2.85E-07	7.21E-07	3.46E-08	1.04E-06	7.07E-08	1.28E-07	1.13E-08	2.10E-07	5.47E-08	7.15E-08	5.17E-09	1.31E-07
2254	565655.8	4221731	5.44E-07	6.65E-07	3.50E-08	1.24E-06	2.89E-07	7.29E-07	3.50E-08	1.05E-06	7.15E-08	1.30E-07	1.15E-08	2.13E-07	5.53E-08	7.23E-08	5.23E-09	1.33E-07
2255	565664.9	4221735	5.51E-07	6.73E-07	3.54E-08	1.26E-06	2.92E-07	7.37E-07	3.54E-08	1.06E-06	7.23E-08	1.31E-07	1.16E-08	2.15E-07	5.60E-08	7.31E-08	5.29E-09	1.34E-07
2256	565674	4221739	5.57E-07	6.8E-07	3.58E-08	1.27E-06	2.95E-07	7.46E-07	3.58E-08	1.08E-06	7.31E-08	1.33E-07	1.17E-08	2.18E-07	5.66E-08	7.40E-08	5.35E-09	1.36E-07
2257	565683.1	4221743	5.63E-07	6.88E-07	3.62E-08	1.29E-06	2.99E-07	7.54E-07	3.62E-08	1.09E-06	7.40E-08	1.34E-07	1.19E-08	2.20E-07	5.72E-08	7.48E-08	5.41E-09	1.37E-07
2258	565692.2	4221746	5.69E-07	6.95E-07	3.66E-08	1.30E-06	3.02E-07	7.62E-07	3.66E-08	1.10E-06	7.48E-08	1.36E-07	1.20E-08	2.23E-07	5.79E-08	7.56E-08	5.47E-09	1.39E-07
2259	565701.2	4221750	5.76E-07	7.03E-07	3.70E-08	1.32E-06	3.05E-07	7.71E-07	3.70E-08	1.11E-06	7.56E-08	1.37E-07	1.21E-08	2.25E-07	5.85E-08	7.65E-08	5.53E-09	1.40E-07
2260	565710.3	4221754	5.82E-07	7.11E-07	3.75E-08	1.33E-06	3.08E-07	7.79E-07	3.75E-08	1.13E-06	7.64E-08	1.39E-07	1.23E-08	2.27E-07	5.91E-08	7.73E-08	5.59E-09	1.42E-07
2261	565719.4	4221758	5.88E-07	7.18E-07	3.79E-08	1.34E-06	3.12E-07	7.87E-07	3.79E-08	1.14E-06	7.72E-08	1.40E-07	1.24E-08	2.30E-07	5.98E-08	7.81E-08	5.65E-09	1.44E-07
2262	565728.5	4221761	5.94E-07	7.26E-07	3.82E-08	1.36E-06	3.15E-07	7.96E-07	3.82E-08	1.15E-06	7.80E-08	1.42E-07	1.25E-08	2.32E-07	6.04E-08	7.89E-08	5.71E-09	1.45E-07
2263	565973	4222005	1.02E-06	1.24E-06	6.56E-08	2.33E-06	5.40E-07	1.36E-06	6.56E-08	1.97E-06	1.34E-07	2.43E-07	2.15E-08	3.98E-07	1.04E-07	1.35E-07	9.79E-09	2.49E-07
2264	565976.8	4222014	1.04E-06	1.27E-06	6.68E-08	2.37E-06	5.50E-07	1.39E-06	6.68E-08	2.01E-06	1.36E-07	2.48E-07	2.19E-08	4.06E-07	1.05E-07	1.38E-07	9.97E-09	2.53E-07
2265	565980.6	4222023	1.06E-06	1.29E-06	6.80E-08	2.41E-06	5.60E-07	1.41E-06	6.80E-08	2.04E-06	1.39E-07	2.52E-07	2.22E-08	4.13E-07	1.07E-07	1.40E-07	1.01E-08	2.58E-07
2266	565984.4	4222032	1.07E-06	1.31E-06	6.92E-08	2.46E-06	5.70E-07	1.44E-06	6.92E-08	2.08E-06	1.41E-07	2.56E-07	2.26E-08	4.20E-07	1.09E-07	1.43E-07	1.03E-08	2.62E-07
2267	565988.1	4222041	1.09E-06	1.34E-06	7.04E-08	2.50E-06	5.80E-07	1.46E-06	7.04E-08	2.11E-06	1.44E-07	2.61E-07	2.30E-08	4.28E-07	1.11E-07	1.45E-07	1.05E-08	2.67E-07
2268	565991.9	4222050	1.11E-06	1.36E-06	7.16E-08	2.54E-06	5.90E-07	1.49E-06	7.16E-08	2.15E-06	1.46E-07	2.65E-07	2.34E-08	4.35E-07	1.13E-07	1.48E-07	1.07E-08	2.71E-07
2269	565995.7	4222059	1.13E-06	1.38E-06	7.27E-08	2.58E-06	5.99E-07	1.51E-06	7.27E-08	2.18E-06	1.48E-07	2.70E-07	2.38E-08	4.42E-07	1.15E-07	1.50E-07	1.09E-08	2.76E-07
2270	565999.5	4222068	1.15E-06	1.4E-06	7.37E-08	2.62E-06	6.07E-07	1.53E-06	7.37E-08	2.22E-06	1.50E-07	2.73E-07	2.41E-08	4.48E-07	1.16E-07	1.52E-07	1.10E-08	2.80E-07
2271	566003.3	4222077	1.16E-06	1.42E-06	7.47E-08	2.65E-06	6.15E-07	1.55E-06	7.47E-08	2.24E-06	1.52E-07	2.77E-07	2.44E-08	4.54E-07	1.18E-07	1.54E-07	1.12E-08	2.83E-07
2272	566007.1	4222086	1.18E-06	1.44E-06	7.57E-08	2.69E-06	6.23E-07	1.57E-06	7.57E-08	2.27E-06	1.54E-07	2.81E-07	2.48E-08	4.60E-07	1.19E-07	1.56E-07	1.13E-08	2.87E-07
2273	566010.8	4222095	1.19E-06	1.45E-06	7.66E-08	2.72E-06	6.31E-07	1.59E-06	7.66E-08	2.30E-06	1.56E-07	2.84E-07	2.51E-08	4.65E-07	1.21E-07	1.58E-07	1.14E-08	2.90E-07
2274	566014.6	4222105	1.21E-06	1.47E-06	7.76E-08	2.76E-06	6.39E-07	1.61E-06	7.76E-08	2.33E-06	1.58E-07	2.88E-07	2.54E-08	4.71E-07	1.23E-07	1.60E-07	1.16E-08	2.94E-07
2275	566018.4	4222114	1.22E-06	1.49E-06	7.85E-08	2.79E-06	6.47E-07	1.63E-06	7.85E-08	2.36E-06	1.60E-07	2.91E-07	2.57E-08	4.77E-07	1.24E-07	1.62E-07	1.17E-08	2.98E-07
2276	566022.2	4222123	1.23E-06	1.5E-06	7.93E-08	2.82E-06	6.53E-07	1.65E-06	7.93E-08	2.38E-06	1.62E-07	2.94E-07	2.59E-08	4.82E-07	1.25E-07	1.64E-07	1.18E-08	3.01E-07
2277	566026	4222132	1.24E-06	1.52E-06	8.01E-08	2.84E-06	6.60E-07	1.67E-06	8.01E-08	2.41E-06	1.63E-07	2.97E-07	2.62E-08	4.86E-07	1.26E-07	1.65E-07	1.20E-08	3.04E-07
2278	566029.7	4222141	1.26E-06	1.53E-06	8.08E-08	2.87E-06	6.66E-07	1.68E-06	8.08E-08	2.43E-06	1.65E-07	3.00E-07	2.64E-08	4.91E-07	1.28E-07	1.67E-07	1.21E-08	3.07E-07
2279	566033.5	4222150	1.27E-06	1.55E-06	8.15E-08	2.90E-06	6.72E-07	1.70E-06	8.15E-08	2.45E-06	1.66E-07	3.02E-07	2.67E-08	4.95E-07	1.29E-07	1.68E-07	1.22E-08	3.09E-07
2280	566037.3	4222159	1.28E-06	1.56E-06	8.22E-08	2.92E-06	6.77E-07	1.71E-06	8.22E-08	2.47E-06	1.68E-07	3.05E-07	2.69E-08	4.99E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07
2281	566041.1	4222168	1.29E-06	1.57E-06	8.27E-08	2.94E-06	6.81E-07	1.72E-06	8.27E-08	2.48E-06	1.69E-07	3.07E-07	2.71E-08	5.02E-07	1.31E-07	1.71E-07	1.23E-08	3.14E-07
2282	566052.4	4222195	1.3E-06	1.59E-06	8.37E-08	2.97E-06	6.89E-07	1.74E-06	8.37E-08	2.51E-06	1.71E-07	3.10E-07	2.74E-08	5.08E-07	1.32E-07	1.73E-07	1.25E-08	3.17E-07
2283	565627.3	4221700	4.96E-07	6.06E-07	3.19E-08	1.13E-06	2.63E-07	6.65E-07	3.19E-08	9.60E-07	6.52E-08	1.18E-07	1.05E-08	1.94E-07	5.04E-08	6.59E-08	4.77E-09	1.21E-07
2284	565636.3	4221703	5.02E-07	6.13E-07	3.23E-08	1.15E-06	2.66E-07	6.72E-07	3.23E-08	9.71E-07	6.59E-08	1.20E-07	1.06E-08	1.96E-07	5.10E-08	6.67E-08	4.82E-09	1.23E-07
2285	565645.3	4221707	5.08E-07	6.2E-07	3.27E-08	1.16E-06	2.69E-07	6.80E-07	3.27E-08	9.82E-07	6.67E-08	1.21E-07	1.07E-08	1.99E-07	5.16E-08	6.75E-08	4.88E-09	1.24E-07
2286	565654.3	4221711	5.13E-07	6.27E-07	3.30E-08	1.17E-06	2.72E-07	6.87E-07	3.30E-08	9.93E-07	6.74E-08	1.23E-07	1.08E-08	2.01E-07	5.22E-08	6.82E-08	4.93E-09	1.25E-07
2287	565663.3	4221715	5.19E-07	6.34E-07	3.34E-08	1.19E-06	2.75E-07	6.95E-07	3.34E-08	1.00E-06	6.82E-08	1.24E-07	1.09E-08	2.03E-07	5.28E-08	6.90E-08	4.99E-09	1.27E-07
2288	565672.3	4221718	5.25E-07	6.41E-07	3.38E-08	1.20E-06	2.78E-07	7.03E-07	3.38E-08	1.01E-06	6.89E-08	1.25E-07	1.11E-08	2.05E-07	5.33E-08	6.97E-08	5.04E-09	1.28E-07
2289	565681.3	4221722	5.31E-07	6.48E-07	3.41E-08	1.21E-06	2.81E-07	7.10E-07	3.41E-08	1.03E-06	6.97E-08	1.27E-07	1.12E-08	2.07E-07	5.39E-08	7.05E-08	5.10E-09	1.29E-07
2290	565690.3	4221726	5.36E-07	6.55E-07	3.45E-08	1.23E-06	2.84E-07	7.18E-07	3.45E-08	1.04E-06	7.04E-08	1.28E-07	1.13E-08	2.10E-07	5.45E-08	7.12E-08	5.15E-09	1.31E-07
2291	565699.3	4221729	5.42E-07	6.62E-07	3.49E-08	1.24E-06	2.87E-07	7.25E-07	3.49E-08	1.05E-06	7.12E-08	1.29E-07	1.14E-08	2.12E-07	5.51E-08	7.20E-08	5.21E-09	1.32E-07
2292	565708.3	4221733	5.48E-07	6.69E-07	3.52E-08	1.25E-06	2.90E-07	7.33E-07	3.52E-08	1.06E-06	7.19E-08	1.31E-07	1.15E-08	2.14E-07	5.56E-08	7.27E-08	5.26E-09	1.34E-07
2293	565717.3	4221737	5.53E-07	6.76E-07	3.56E-08	1.26E-06	2.93E-07	7.41E-07	3.56E-08	1.07E-06	7.27E-08	1.32E-07	1.17E-08	2.16E-07	5.62E-08	7.35E-08	5.32E-09	1.35E-07
2294	565726.3	4221740	5.59E-07	6.83E-07	3.60E-08	1.28E-06	2.96E-07	7.49E-07	3.60E-08	1.08E-06	7.34E-08	1.33E-07	1.18E-08	2.19E-07	5.68E-08	7.43E-08	5.37E-09	1.36E-07
2295	565753.3	4221752	5.76E-07	7.03E-07	3.71E-08	1.32E-06	3.05E-07	7.71E-07	3.71E-08	1.11E-06	7.56E-08	1.37E-07	1.21E-08	2.25E-07	5.85E-08	7.65E-08	5.53E-09	1.41E-07
2296	565762.3	4221755	5.81E-07	7.1E-07	3.74E-08	1.33E-06	3.08E-07	7.78E-07	3.74E-08	1.12E-06	7.64E-08	1.39E-07	1.22E-08	2.27E-07	5.91E-08	7.72E-08	5.59E-09	1.42E-07
2297	565771.3	4221759	5.87E-07	7.17E-07	3.78E-08	1.34E-06	3.11E-07	7.86E-07	3.78E-08	1.13E-06	7.71E-08	1.40E-07	1.24E-08	2.29E-07	5.96E-08	7.80E-08	5.64E-09	1.43E-07
2298	565780.3	4221763	5.92E-07	7.23E-07	3.81E-08	1.35E-06	3.14E-07	7.93E-07	3.81E-08	1.15E-06	7.78E-08	1.41E-07	1.25E-08	2.32E-07	6.02E-08	7.87E-08	5.69E-09	1.45E-07
2299	565789.3	4221766	5.98E-07	7.3E-07	3.85E-08	1.37E-06	3.17E-07	8.00E-07	3.85E-08	1.16E-06	7.85E-08	1.43E-07	1.26E-08	2.34E-07	6.07E-08	7.94E-08	5.74E-09	1.46E-07
2300	565798.3	4221770	6.03E-07	7.36E-07	3.88E-08	1.38E-06	3.20E-07	8.07E-07	3.88E-08	1.17E-06	7.92E-08	1.44E-07	1.27E-08	2.36E-07	6.13E-08	8.01E-08	5.79E-09	1.47E-07
2301	565807.3	4221774	6.08E-07	7.43E-07	3.91E-08	1.39E-06	3.22E-07	8.14E-07	3.91E-08	1.18E-06	7.98E-08	1.45E-07	1.28E-08	2.38E-07	6.18E-08	8.08E-08	5.84E-09	1.48E-07
2302	565986.4	4221989	9.57E-07	1.17E-06	6.16E-08	2.19E-06	5.07E-07	1.28E-06	6.16E-08	1.85E-06	1.26E-07	2.28E-07	2.01E-08	3.74E-07	9.72E-08	1.27E-07	9.19E-09	2.34E-07
2303	565990.2	4221998	9.75E-07	1.19E-06	6.27E-08	2.23E-06	5.17E-07	1.30E-06	6.27E-08	1.88E-06	1.28E-07	2.33E-07	2.05E-08	3.81E-07	9.91E-08	1.29E-07	9.36E-09	2.38E-07
2304	565993.9	4222007	9.92E-07	1.21E-06	6.39E-08	2.27E-06	5.26E-07	1.33E-06	6.39E-08	1.92E-06	1.30E-07	2.37E-07	2.09E-08	3.88E-07	1.01E-07	1.32E-07	9.53E-09	2.42E-07
2305	565997.7	4222016	1.01E-06	1.23E-06	6.50E-08	2.31E-06	5.36E-07	1.35E-06	6.50E-08	1.95E-06	1.33E-07	2.41E-07	2.13E-08	3.95E-07	1.03E-07	1.34E-07	9.70E-09	2.47E-07
2306	566001.4	4222025	1.03E-06	1.26E-06	6.62E-08	2.35E-06	5.45E-07	1.38E-06	6.62E-08	1.99E-06	1.35E-07	2.45E-07	2.17E-08	4.02E-07	1.04E-07	1.37E-07	9.88E-09	2.51E-07
2307	566005.2	4222034	1.05E-06	1.28E-06	6.73E-08	2.39E-06	5.55E-07	1.40E-06	6.73E-08	2.02E-06	1.37E-07	2.50E-07	2.20E-08	4.09E-07	1.06E-07	1.39E-07	1.01E-08	2.55E-07

2308	566008.9	4222043	1.06E-06	1.3E-06	6.84E-08	2.43E-06	5.63E-07	1.42E-06	6.84E-08	2.05E-06	1.40E-07	2.54E-07	2.24E-08	4.15E-07	1.08E-07	1.41E-07	1.02E-08	2.59E-07
2309	566012.7	4222052	1.08E-06	1.32E-06	6.94E-08	2.46E-06	5.72E-07	1.44E-06	6.94E-08	2.08E-06	1.42E-07	2.57E-07	2.27E-08	4.22E-07	1.10E-07	1.43E-07	1.04E-08	2.63E-07
2310	566016.4	4222061	1.09E-06	1.34E-06	7.04E-08	2.50E-06	5.80E-07	1.47E-06	7.04E-08	2.12E-06	1.44E-07	2.61E-07	2.30E-08	4.28E-07	1.11E-07	1.45E-07	1.05E-08	2.67E-07
2311	566020.1	4222070	1.11E-06	1.36E-06	7.14E-08	2.54E-06	5.88E-07	1.49E-06	7.14E-08	2.15E-06	1.46E-07	2.65E-07	2.34E-08	4.34E-07	1.13E-07	1.47E-07	1.07E-08	2.71E-07
2312	566023.9	4222079	1.12E-06	1.37E-06	7.23E-08	2.57E-06	5.96E-07	1.50E-06	7.23E-08	2.17E-06	1.48E-07	2.68E-07	2.37E-08	4.39E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
2313	566027.6	4222088	1.14E-06	1.39E-06	7.32E-08	2.60E-06	6.03E-07	1.52E-06	7.32E-08	2.20E-06	1.49E-07	2.71E-07	2.40E-08	4.45E-07	1.16E-07	1.51E-07	1.09E-08	2.78E-07
2314	566031.4	4222097	1.15E-06	1.4E-06	7.40E-08	2.63E-06	6.10E-07	1.54E-06	7.40E-08	2.22E-06	1.51E-07	2.74E-07	2.42E-08	4.50E-07	1.17E-07	1.53E-07	1.10E-08	2.81E-07
2315	566035.1	4222106	1.16E-06	1.42E-06	7.48E-08	2.66E-06	6.16E-07	1.56E-06	7.48E-08	2.25E-06	1.53E-07	2.77E-07	2.45E-08	4.54E-07	1.18E-07	1.54E-07	1.12E-08	2.84E-07
2316	566038.9	4222115	1.17E-06	1.43E-06	7.54E-08	2.68E-06	6.21E-07	1.57E-06	7.54E-08	2.27E-06	1.54E-07	2.80E-07	2.47E-08	4.58E-07	1.19E-07	1.56E-07	1.13E-08	2.86E-07
2317	566042.6	4222124	1.18E-06	1.44E-06	7.60E-08	2.70E-06	6.26E-07	1.58E-06	7.60E-08	2.28E-06	1.55E-07	2.82E-07	2.49E-08	4.61E-07	1.20E-07	1.57E-07	1.13E-08	2.88E-07
2318	566046.4	4222133	1.19E-06	1.45E-06	7.66E-08	2.72E-06	6.31E-07	1.59E-06	7.66E-08	2.30E-06	1.56E-07	2.84E-07	2.51E-08	4.65E-07	1.21E-07	1.58E-07	1.14E-08	2.91E-07
2319	566050.1	4222142	1.2E-06	1.47E-06	7.73E-08	2.74E-06	6.37E-07	1.61E-06	7.73E-08	2.32E-06	1.58E-07	2.86E-07	2.53E-08	4.69E-07	1.22E-07	1.59E-07	1.15E-08	2.93E-07
2320	566053.9	4222151	1.21E-06	1.48E-06	7.79E-08	2.77E-06	6.42E-07	1.62E-06	7.79E-08	2.34E-06	1.59E-07	2.89E-07	2.55E-08	4.73E-07	1.23E-07	1.61E-07	1.16E-08	2.95E-07
2321	566065.1	4222178	1.22E-06	1.49E-06	7.87E-08	2.80E-06	6.48E-07	1.64E-06	7.87E-08	2.36E-06	1.61E-07	2.92E-07	2.58E-08	4.78E-07	1.24E-07	1.62E-07	1.18E-08	2.99E-07
2322	566068.8	4222187	1.22E-06	1.49E-06	7.86E-08	2.79E-06	6.47E-07	1.63E-06	7.86E-08	2.36E-06	1.60E-07	2.91E-07	2.57E-08	4.77E-07	1.24E-07	1.62E-07	1.17E-08	2.98E-07
2323	566072.6	4222196	1.22E-06	1.49E-06	7.88E-08	2.80E-06	6.49E-07	1.64E-06	7.88E-08	2.37E-06	1.61E-07	2.92E-07	2.58E-08	4.78E-07	1.24E-07	1.63E-07	1.18E-08	2.99E-07
2324	566076.3	4222205	1.23E-06	1.5E-06	7.89E-08	2.80E-06	6.50E-07	1.64E-06	7.89E-08	2.37E-06	1.61E-07	2.93E-07	2.58E-08	4.79E-07	1.25E-07	1.63E-07	1.18E-08	2.99E-07
2325	566080.1	4222214	1.23E-06	1.5E-06	7.91E-08	2.81E-06	6.52E-07	1.65E-06	7.91E-08	2.38E-06	1.61E-07	2.93E-07	2.59E-08	4.81E-07	1.25E-07	1.63E-07	1.18E-08	3.00E-07
2326	566083.8	4222222	1.23E-06	1.51E-06	7.95E-08	2.82E-06	6.55E-07	1.65E-06	7.95E-08	2.39E-06	1.62E-07	2.95E-07	2.60E-08	4.83E-07	1.25E-07	1.64E-07	1.19E-08	3.01E-07
2327	565510.3	4221632	4.01E-07	4.9E-07	2.58E-08	9.17E-07	2.13E-07	5.37E-07	2.58E-08	7.76E-07	5.27E-08	9.58E-08	8.45E-09	1.57E-07	4.08E-08	5.33E-08	3.86E-09	9.80E-08
2328	565519.5	4221635	4.07E-07	4.97E-07	2.62E-08	9.29E-07	2.16E-07	5.44E-07	2.62E-08	7.86E-07	5.34E-08	9.70E-08	8.56E-09	1.59E-07	4.13E-08	5.40E-08	3.91E-09	9.92E-08
2329	565628.8	4221680	4.71E-07	5.75E-07	3.03E-08	1.08E-06	2.50E-07	6.31E-07	3.03E-08	9.11E-07	6.19E-08	1.12E-07	9.92E-09	1.84E-07	4.79E-08	6.26E-08	4.53E-09	1.15E-07
2330	565637.9	4221684	4.76E-07	5.82E-07	3.07E-08	1.09E-06	2.53E-07	6.38E-07	3.07E-08	9.21E-07	6.26E-08	1.14E-07	1.00E-08	1.86E-07	4.84E-08	6.33E-08	4.58E-09	1.16E-07
2331	565647	4221688	4.82E-07	5.88E-07	3.10E-08	1.10E-06	2.55E-07	6.45E-07	3.10E-08	9.32E-07	6.33E-08	1.15E-07	1.01E-08	1.88E-07	4.90E-08	6.40E-08	4.63E-09	1.18E-07
2332	565656.1	4221692	4.87E-07	5.95E-07	3.14E-08	1.11E-06	2.58E-07	6.52E-07	3.14E-08	9.42E-07	6.40E-08	1.16E-07	1.03E-08	1.90E-07	4.95E-08	6.47E-08	4.68E-09	1.19E-07
2333	565665.2	4221695	4.93E-07	6.02E-07	3.17E-08	1.13E-06	2.61E-07	6.59E-07	3.17E-08	9.52E-07	6.47E-08	1.18E-07	1.04E-08	1.93E-07	5.01E-08	6.54E-08	4.73E-09	1.20E-07
2334	565674.3	4221699	4.98E-07	6.08E-07	3.20E-08	1.14E-06	2.64E-07	6.67E-07	3.20E-08	9.63E-07	6.54E-08	1.19E-07	1.05E-08	1.95E-07	5.06E-08	6.61E-08	4.78E-09	1.22E-07
2335	565683.4	4221703	5.03E-07	6.15E-07	3.24E-08	1.15E-06	2.67E-07	6.74E-07	3.24E-08	9.73E-07	6.61E-08	1.20E-07	1.06E-08	1.97E-07	5.11E-08	6.68E-08	4.83E-09	1.23E-07
2336	565692.5	4221707	5.08E-07	6.21E-07	3.27E-08	1.16E-06	2.70E-07	6.81E-07	3.27E-08	9.83E-07	6.68E-08	1.21E-07	1.07E-08	1.99E-07	5.17E-08	6.75E-08	4.89E-09	1.24E-07
2337	565701.6	4221710	5.14E-07	6.27E-07	3.31E-08	1.17E-06	2.72E-07	6.88E-07	3.31E-08	9.93E-07	6.75E-08	1.23E-07	1.08E-08	2.01E-07	5.22E-08	6.83E-08	4.94E-09	1.25E-07
2338	565710.7	4221714	5.19E-07	6.34E-07	3.34E-08	1.19E-06	2.75E-07	6.95E-07	3.34E-08	1.00E-06	6.82E-08	1.24E-07	1.09E-08	2.03E-07	5.28E-08	6.90E-08	4.99E-09	1.27E-07
2339	565719.9	4221718	5.25E-07	6.41E-07	3.38E-08	1.20E-06	2.78E-07	7.02E-07	3.38E-08	1.01E-06	6.89E-08	1.25E-07	1.10E-08	2.05E-07	5.33E-08	6.97E-08	5.04E-09	1.28E-07
2340	565729	4221722	5.3E-07	6.47E-07	3.41E-08	1.21E-06	2.81E-07	7.10E-07	3.41E-08	1.02E-06	6.96E-08	1.26E-07	1.12E-08	2.07E-07	5.39E-08	7.04E-08	5.09E-09	1.29E-07
2341	565756.3	4221733	5.46E-07	6.67E-07	3.51E-08	1.25E-06	2.89E-07	7.31E-07	3.51E-08	1.06E-06	7.17E-08	1.30E-07	1.15E-08	2.13E-07	5.55E-08	7.25E-08	5.24E-09	1.33E-07
2342	565765.4	4221737	5.51E-07	6.73E-07	3.55E-08	1.26E-06	2.92E-07	7.38E-07	3.55E-08	1.07E-06	7.24E-08	1.31E-07	1.16E-08	2.15E-07	5.60E-08	7.32E-08	5.29E-09	1.34E-07
2343	565774.5	4221740	5.56E-07	6.79E-07	3.58E-08	1.27E-06	2.95E-07	7.45E-07	3.58E-08	1.08E-06	7.30E-08	1.33E-07	1.17E-08	2.17E-07	5.65E-08	7.39E-08	5.34E-09	1.36E-07
2344	565783.6	4221744	5.61E-07	6.85E-07	3.61E-08	1.28E-06	2.98E-07	7.51E-07	3.61E-08	1.09E-06	7.37E-08	1.34E-07	1.18E-08	2.19E-07	5.70E-08	7.46E-08	5.39E-09	1.37E-07
2345	565792.7	4221748	5.66E-07	6.92E-07	3.64E-08	1.29E-06	3.00E-07	7.58E-07	3.64E-08	1.09E-06	7.44E-08	1.35E-07	1.19E-08	2.21E-07	5.75E-08	7.52E-08	5.44E-09	1.38E-07
2346	565801.8	4221752	5.71E-07	6.98E-07	3.68E-08	1.31E-06	3.03E-07	7.65E-07	3.68E-08	1.10E-06	7.50E-08	1.36E-07	1.20E-08	2.23E-07	5.81E-08	7.59E-08	5.49E-09	1.39E-07
2347	565811	4221755	5.76E-07	7.04E-07	3.71E-08	1.32E-06	3.05E-07	7.71E-07	3.71E-08	1.11E-06	7.57E-08	1.37E-07	1.21E-08	2.25E-07	5.86E-08	7.65E-08	5.54E-09	1.41E-07
2348	565820.1	4221759	5.81E-07	7.1E-07	3.74E-08	1.33E-06	3.08E-07	7.78E-07	3.74E-08	1.12E-06	7.63E-08	1.39E-07	1.22E-08	2.27E-07	5.90E-08	7.72E-08	5.58E-09	1.42E-07
2349	565829.2	4221763	5.86E-07	7.15E-07	3.77E-08	1.34E-06	3.11E-07	7.84E-07	3.77E-08	1.13E-06	7.69E-08	1.40E-07	1.23E-08	2.29E-07	5.95E-08	7.78E-08	5.63E-09	1.43E-07
2350	565838.3	4221767	5.9E-07	7.21E-07	3.80E-08	1.35E-06	3.13E-07	7.90E-07	3.80E-08	1.14E-06	7.75E-08	1.41E-07	1.24E-08	2.31E-07	6.00E-08	7.84E-08	5.67E-09	1.44E-07
2351	565847.4	4221770	5.95E-07	7.27E-07	3.83E-08	1.36E-06	3.15E-07	7.96E-07	3.83E-08	1.15E-06	7.81E-08	1.42E-07	1.25E-08	2.33E-07	6.05E-08	7.90E-08	5.72E-09	1.45E-07
2352	565997.6	4221968	8.92E-07	1.09E-06	5.74E-08	2.04E-06	4.73E-07	1.19E-06	5.74E-08	1.72E-06	1.17E-07	2.13E-07	1.88E-08	3.49E-07	9.06E-08	1.18E-07	8.57E-09	2.18E-07
2353	566001.4	4221977	9.1E-07	1.11E-06	5.85E-08	2.08E-06	4.82E-07	1.22E-06	5.85E-08	1.76E-06	1.19E-07	2.17E-07	1.92E-08	3.56E-07	9.24E-08	1.21E-07	8.74E-09	2.22E-07
2354	566005.2	4221986	9.26E-07	1.13E-06	5.96E-08	2.12E-06	4.91E-07	1.24E-06	5.96E-08	1.79E-06	1.22E-07	2.21E-07	1.95E-08	3.62E-07	9.41E-08	1.23E-07	8.89E-09	2.26E-07
2355	566009	4221995	9.42E-07	1.15E-06	6.06E-08	2.15E-06	4.99E-07	1.26E-06	6.06E-08	1.82E-06	1.24E-07	2.25E-07	1.98E-08	3.68E-07	9.57E-08	1.25E-07	9.05E-09	2.30E-07
2356	566012.8	4222004	9.58E-07	1.17E-06	6.17E-08	2.19E-06	5.08E-07	1.28E-06	6.17E-08	1.85E-06	1.26E-07	2.29E-07	2.02E-08	3.75E-07	9.74E-08	1.27E-07	9.21E-09	2.34E-07
2357	566016.6	4222013	9.75E-07	1.19E-06	6.28E-08	2.23E-06	5.17E-07	1.31E-06	6.28E-08	1.89E-06	1.28E-07	2.33E-07	2.05E-08	3.81E-07	9.91E-08	1.30E-07	9.37E-09	2.38E-07
2358	566020.4	4222022	9.92E-07	1.21E-06	6.38E-08	2.27E-06	5.26E-07	1.33E-06	6.38E-08	1.92E-06	1.30E-07	2.37E-07	2.09E-08	3.88E-07	1.01E-07	1.32E-07	9.53E-09	2.42E-07
2359	566024.2	4222031	1.01E-06	1.23E-06	6.48E-08	2.30E-06	5.34E-07	1.35E-06	6.48E-08	1.95E-06	1.32E-07	2.40E-07	2.12E-08	3.94E-07	1.02E-07	1.34E-07	9.68E-09	2.46E-07
2360	566027.9	4222040	1.02E-06	1.25E-06	6.58E-08	2.34E-06	5.42E-07	1.37E-06	6.58E-08	1.98E-06	1.34E-07	2.44E-07	2.15E-08	4.00E-07	1.04E-07	1.36E-07	9.83E-09	2.50E-07
2361	566031.7	4222050	1.04E-06	1.27E-06	6.69E-08	2.37E-06	5.51E-07	1.39E-06	6.69E-08	2.01E-06	1.36E-07	2.48E-07	2.19E-08	4.06E-07	1.06E-07	1.38E-07	9.98E-09	2.54E-07
2362	566035.5	4222059	1.05E-06	1.29E-06	6.79E-08	2.41E-06	5.59E-07	1.41E-06	6.79E-08	2.04E-06	1.38E-07	2.52E-07	2.22E-08	4.12E-07	1.07E-07	1.40E-07	1.01E-08	2.57E-07
2363	566039.3	4222068	1.07E-06	1.31E-06	6.88E-08	2.44E-06	5.67E-07	1.43E-06	6.88E-08	2.07E-06	1.40E-07	2.55E-07	2.25E-08	4.18E-07	1.09E-07	1.42E-07	1.03E-08	2.61E-07
2364	566043.1	4222077	1.08E-06	1.32E-06	6.96E-08	2.47E-06	5.74E-07	1.45E-06	6.96E-08	2.09E-06	1.42E-07	2.58E-07	2.28E-08	4.23E-07	1.10E-07	1.44E-07	1.04E-08	2.64E-07
2365	566046.9	4222086	1.09E-06	1.34E-06	7.05E-08	2.50E-06	5.80E-07	1.47E-06	7.05E-08	2.12E-06	1.44E-07	2.61E-07	2.31E-08	4.28E-07	1.11E-07	1.45E-07	1.05E-08	2.67E-07
2366	566050.7	4222095	1.11E-06	1.35E-06	7.13E-08	2.53E-06	5.87E-07	1.48E-06	7.13E-08	2.14E-06	1.45E-07	2.64E-07	2.33E-08	4.33E-07	1.13E-07	1.47E-07	1.06E-08	2.70E-07
2367	566054.5	4222104	1.12E-06	1.36E-06	7.19E-08	2.55E-06	5.92E-07	1.50E-06	7.19E-08	2.16E-06	1.47E-07	2.67E-07	2.35E-08	4.37E-07	1.14E-07	1.48E-07	1.07E-08	2.73E-07
2368	566058.3	4222113	1.12E-06	1.37E-06	7.24E-08	2.57E-06	5.96E-07	1.51E-06	7.24E-08	2.17E-06	1.48E-07	2.68E-07	2.37E-08	4.40E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
2369	566062.1	4222122	1.13E-06	1.38E-06	7.27E-08	2.58E-06	5.99E-07	1.51E-06	7.27E-08	2.18E-06	1.48E-07	2.70E-07	2.38E-08	4.42E-07	1.15E-07	1.50E-07	1.09E-08	2.76E-07
2370	566065.9	4222131	1.14E-06	1.39E-06	7.32E-08	2.60E-06	6.03E-07	1.52E-06	7.32E-08	2.20E-06	1.49E-07	2.71E-07	2.39E-08	4.44E-07	1.16E-07	1.51E-07	1.09E-08	2.77E-07
2371	566069.7	4222141	1.14E-06	1.4E-06	7.36E-08	2.61E-06	6.07E-07	1.53E-06	7.36E-08	2.21E-06	1.50E-07	2.73E-07	2.41E-08	4.47E-07	1.16E-07	1.52E-07	1.10E-08	2.79E-07
2372	566081	4222168	1.15E-06	1.4E-06	7.39E-08	2.62E-06	6.09E-07	1.54E-06	7.39E-08	2.22E-06	1.51E-07	2.74E-07	2.42E-08	4.49E-07	1.17E-07	1.53E-07	1.10E-08	2.80E-07
2373	566084.8	4222177	1.15E-06	1.4E-06	7.37E-08	2.62E-06	6.07E-07	1.53E-06	7.37E-08	2.21E-06	1.50E-07	2.73E-07	2.41E-08	4.48E-07	1.16E-07	1.52E-07	1.10E-08	2.80E-07
2374	566088.6	4222186	1.14E-06	1.39E-06	7.34E-08	2.61E-06	6.05E-07	1.53E-06	7.34E-08	2.21E-06	1.50E-07	2.72E-07	2.40E-08	4.46E-07	1.16E-07	1.52E-07	1.10E-08	2.79E-07
2375	566092.4	4222195	1.15E-06	1.4E-06	7.37E-08	2.62E-06	6.07E-07	1.53E-06	7.37E-08	2.21E-06	1.50E-07	2.73E-07	2.41E-08	4.48E-07	1.16E-07	1.52E-07	1.10E-08	2.80E-07
2376	566096.2	4222204	1.15E-06	1.41E-06	7.42E-08	2.63E-06	6.11E-07	1.54E-06	7.42E-08	2.23E-06	1.51E-07	2.75E-07	2.43E-08	4.51E-07	1.17E-07	1.53E-07	1.11E-08	2.81E-07
2377	566100	4222213	1.16E-06	1.42E-06	7.47E-08	2.65E-06	6.15E-07	1.55E-06	7.47E-08	2.24E-06	1.52E-07	2.77E-07	2.44E-08	4.54E-07	1.18E-07	1.54E-07	1.11E-08	2.83E-07
2378	566103.8	4222222	1.17E-06	1.43E-06	7.51E-08	2.67E-06	6.19E-07	1.56E-06	7.51E-08	2.26E-06	1.53E-07	2.79E-07	2.46E-08	4.56E-07	1.19E-07	1.55E-07	1.12E-08	2.85E-07
2379	565501.2	4221628	3.96E-07	4.84E-07	2.55E-08	9.06E-07	2.10E-07	5.31E-07	2.55E-08	7.66E-07	5.20E-08	9.45E-08	8.34E-09	1.55E-07	4.03E-08	5.26E-08	3.81E-09	9.67E-08
2380	565491.3	4221628	3.95E-07	4.82E-07	2.54E-08	9.02E-07	2.09E-07	5.29E-07	2.54E-08	7.63E-07	5.18E-08	9.42E-08	8.31E-09	1.54E-07	4.01E-08	5.24E-08	3.79E-09	9.63E-08
2381	565481.4	4221628	3.93E-07	4.8E-07	2.53E-08	8.99E-07	2.09E-07	5.27E-07	2.53E-08	7.61E-07	5.17E-08	9.39E-08	8.29E-09	1.54E-07	4.00E-08	5.23E-08	3.78E-09	9.60E-08
2382	565238.2	4222232	1.03E-05	1.26E-05	6.63E-07	2.36E-05	5.46E-06	1.38E-05	6.63E-07	1.99E-05	1.35E-06	2.46E-06	2.17E-07	4.03E-06	1.05E-06	1.37E-06	9.90E-08	2.52E-06
2383	565236.9	4222248	1.2E-05	1.46E-05	7.69E-07	2.73E-05	6.34E-06	1.60E-05	7.69E-07	2.31E-05	1.57E-06	2.85E-06	2.52E-07	4.67E-06	1.21E-06	1.59E-06	1.15E-07	2.92E-06
2384	565239.1	4222266	1.39E-05	1.7E-05	8.94E-07	3.17E-05	7.36E-06	1.86E-05	8.94E-07	2.68E-05	1.82E-06	3.31E-06	2.92E-07	5.43E-06	1.41E-06	1.84E-06	1.33E-07	3.39E-06
2385	565240.2	4222275	1.47E-05	1.79E-05	9.45E-07	3.36E-05	7.79E-06	1.97E-05	9.45E-07	2.84E-05	1.93E-06	3.50E-06	3.09E-07	5.74E-06	1.49E-06	1.95E-06	1.41E-07	3.58E-06
2386	565241.3	4222284	1.53E-05	1.87E-05	9.86E-07	3.50E-05	8.13E-06	2.05E-05	9.86E-07	2.96E-05	2.01E-06	3.66E-06	3.23E-07	5.99E-06	1.56E-06	2.04E-06	1.47E-07	3.74E-06
2387	565242.4	4222293	1.58E-05	1.93E-05	1.02E-06	3.61E-05	8.37E-06	2.11E-05	1.02E-06	3.05E-05	2.07E-06	3.77E-06	3.32E-07	6.17E-06	1.60E-06	2.10E-06	1.52E-07	3.85E-06
2388	565243.5	4222302	1.61E-05	1.96E-05	1.03E-06	3.67E-05	8.51E-06	2.15E-05	1.03E-06	3.10E-05	2.11E-06	3.83E-06	3.38E-07	6.28E-06	1.63E-06	2.13E-06	1.54E-07	3.92E-06
2389	565228.4	4222233	9.78E-06	1.19E-05	6.29E-07	2.24E-05	5.18E-06	1.31E-05	6.29E-07	1.89E-05	1.28E-06	2.33E-06	2.06E-07	3.82E-06	9.94E-07	1.30E-06	9.40E-08	2.39E-06
2390	565233.2	4222217	8.65E-06	1.06E-05	5.57E-07	1.98E-05	4.58E-06	1.16E-05	5.57E-07	1.67E-05	1.14E-06	2.06E-06	1.82E-07	3.38E-06	8.79E-07	1.15E-06	8.31E-08	2.11E-06
2391	565227.1	4222249	1.11E-05	1.36E-05	7.16E-07	2.54E-05	5.89E-06	1.49E-05	7.16E-07	2.15E-05	1.46E-06	2.65E-06	2.34E-07	4.35E-06	1.13E-06	1.48E-06	1.07E-07	2.71E-06
2392	565228.2	4222258	1.19E-05	1.46E-05	7.67E-07	2.73E-05	6.32E-06	1.60E-05	7.67E-07	2.31E-05	1.57E-06	2.84E-06	2.51E-07	4.66E-06	1.21E-06	1.58E-06	1.15E-07	2.91E-06
2393	565229.3	4222267	1.27E-05	1.55E-05	8.15E-07	2.89E-05	6.71E-06	1.70E-05	8.15E-07	2.45E-05	1.66E-06	3.02E-06	2.67E-07	4.95E-06	1.29E-06	1.68E-06	1.22E-07	3.09E-06
2394	565230.4	4222276	1.33E-05	1.62E-05	8.56E-07	3.04E-05	7.05E-06	1.78E-05	8.56E-07	2.57E-05	1.75E-06	3.17E-06	2.80E-07	5.20E-06	1.35E-06	1.77E-06	1.28E-07	3.25E-06
2395	565231.5	4222285	1.38E-05	1.69E-05	8.89E-07	3.16E-05	7.32E-06	1.85E-05	8.89E-07	2.67E-05	1.81E-06	3.29E-06	2.91E-07	5.40E-06	1.40E-06	1.83E-06	1.33E-07	3.37E-06
2396	565233.7	4222303	1.44E-05	1.76E-05	9.26E-07	3.29E-05	7.63E-06	1.93E-05	9.26E-07	2.78E-05	1.89E-06	3.43E-06	3.03E-07	5.63E-06	1.46E-06	1.91E-06	1.38E-07	3.51E-06
2397	565218.7	4222234	9.27E-06	1.13E-05	5.97E-07	2.12E-05	4.92E-06	1.24E-05	5.97E-07	1.79E-05	1.22E-06	2.21E-06	1.95E-07	3.63E-06	9.43E-07	1.23E-06	8.91E-08	2.26E-06
2398	565223.5	4222219	8.33E-06	1.02E-05	5.36E-07	1.90E-05	4.41E-06	1.11E-05	5.36E-07	1.61E-05	1.09E-06	1.99E-06	1.75E-07	3.26E-06	8.46E-07	1.11E-06	8.00E-08	2.03E-06
2399	565228.3	4222203	7.32E-06	8.93E-06	4.71E-07	1.67E-05	3.88E-06	9.79E-06	4.71E-07	1.41E-05	9.61E-07	1.75E-06	1.54E-07	2.86E-06	7.43E-07	9.72E-07	7.03E-08	1.79E-06
2400	565217.4	4222251	1.04E-05	1.27E-05	6.68E-07	2.37E-05	5.50E-06	1.39E-05	6.68E-07	2.01E-05	1.36E-06	2.47E-06	2.18E-07	4.06E-06	1.05E-06	1.38E-06	9.97E-08	2.53E-06
2401	565218.5	4222260	1.1E-05	1.35E-05	7.10E-07	2.52E-05	5.85E-06	1.48E-05	7.10E-07	2.13E-05	1.45E-06	2.63E-06	2.32E-07	4.31E-06	1.12E-06	1.47E-06	1.06E-07	2.69E-06
2402	565219.6	4222269	1.16E-05	1.42E-05	7.49E-07	2.66E-05	6.17E-06	1.56E-05	7.49E-07	2.25E-05	1.53E-06	2.77E-06	2.45E-07	4.55E-06	1.18E-06	1.55E-06	1.12E-07	2.84E-06
2403	565220.6	4222278	1.21E-05	1.48E-05	7.82E-07	2.78E-05	6.44E-06	1.63E-05	7.82E-07	2.35E-05	1.59E-06	2.90E-06	2.56E-07	4.75E-06	1.23E-06	1.61E-06	1.17E-07	2.96E-06
2404	565221.7	4222286	1.26E-05	1.53E-05	8.08E-07	2.87E-05	6.66E-06	1.68E-05	8.08E-07	2.43E-05	1.65E-06	2.99E-06	2.64E-07	4.91E-06	1.28E-06	1.67E-06	1.21E-07	3.06E-06
2405	565222.8	4222295	1.28E-05	1.57E-05	8.27E-07	2.94E-05	6.81E-06	1.72E-05	8.27E-07	2.48E-05	1.69E-06	3.06E-06	2.71E-07	5.02E-06	1.31E-06	1.71E-06	1.23E-07	3.14E-06
2406	565223.9	4222304	1.3E-05	1.59E-05	8.38E-07	2.98E-05	6.90E-06	1.74E-05	8.38E-07	2.52E-05	1.71E-06	3.11E-06	2.74E-07	5.09E-06	1.32E-06	1.73E-06	1.25E-07	3.18E-06
2407	565208.9	4222235	8.8E-06	1.07E-05	5.66E-07	2.01E-05	4.66E-06	1.18E-05	5.66E-07	1.70E-05	1.16E-06	2.10E-06	1.85E-07	3.44E-06	8.94E-07	1.17E-06	8.45E-08	2.15E-06
2408	565213.7	4222220	8E-06	9.77E-06	5.15E-07	1.83E-05	4.24E-06	1.07E-05	5.15E-07	1.55E-05	1.05E-06	1.91E-06	1.69E-07	3.13E-06	8.13E-07	1.06E-06	7.69E-08	1.95E-06
2409	565218.5	4222204	7.12E-06	8.7E-06	4.58E-07	1.63E-05	3.78E-06	9.54E-06	4.58E-07	1.38E-05	9.35E-07	1.70E-06	1.50E-07	2.78E-06	7.24E-07	9.46E-07	6.84E-08	1.74E-06
2410	565223.3	4222189	6.25E-06	7.63E-06	4.02E-07	1.43E-05	3.31E-06	8.36E-06	4.02E-07	1.21E-05	8.20E-07	1.49E-06	1.32E-07	2.44E-06	6.35E-07	8.30E-07	6.00E-08	1.52E-06
2411	565233	4222178	5.74E-06	7.01E-06	3.69E-07	1.31E-05	3.04E-06	7.68E-06	3.69E-07	1.11E-05	7.54E-07	1.37E-06	1.21E-07	2.24E-06	5.83E-07	7.62E-07	5.51E-08	1.40E-06
2412	565207.6	4222252	9.71E-06	1.19E-05	6.25E-07	2.22E-05	5.15E-06	1.30E-05	6.25E-07	1.88E-05	1.27E-06	2.32E-06	2.04E-07	3.80E-06	9.87E-07	1.29E-06	9.33E-08	2.37E-06
2413	565208.7	4222261	1.03E-05	1.25E-05	6.60E-07	2.34E-05	5.44E-06	1.37E-05	6.60E-07	1.98E-05	1.35E-06	2.45E-06	2.16E-07	4.01E-06	1.04E-06	1.36E-06	9.85E-08	2.50E-06
2414	565210.9	4222279	1.12E-05	1.36E-05	7.18E-07	2.55E-05	5.92E-06	1.49E-05	7.18E-07	2.16E-05	1.47E-06	2.66E-06	2.35E-07	4.36E-06	1.13E-06	1.48E-06	1.07E-07	2.72E-06
2415	565212	4222288	1.15E-05	1.4E-05	7.40E-07	2.63E-05	6.09E-06	1.54E-05	7.40E-07	2.22E-05	1.51E-06	2.74E-06	2.42E-07	4.49E-06	1.17E-06	1.53E-06	1.10E-07	2.81E-06
2416	565213.1	4222297	1.17E-05	1.43E-05	7.55E-07	2.68E-05	6.22E-06	1.57E-05	7.55E-07	2.27E-05	1.54E-06	2.80E-06	2.47E-07	4.59E-06	1.19E-06	1.56E-06	1.13E-07	2.86E-06
2417	565214.2	4222306	1.19E-05	1.45E-05	7.64E-07	2.71E-05	6.29E-06	1.59E-05	7.64E-07	2.29E-05	1.56E-06	2.83E-06	2.50E-07	4.64E-06	1.21E-06	1.58E-06	1.14E-07	2.90E-06

2418	565199.1	4222236	8.35E-06	1.02E-05	5.37E-07	1.91E-05	4.43E-06	1.12E-05	5.37E-07	1.61E-05	1.10E-06	1.99E-06	1.76E-07	3.26E-06	8.48E-07	1.11E-06	8.02E-08	2.04E-06
2419	565203.9	4222221	7.68E-06	9.38E-06	4.94E-07	1.76E-05	4.07E-06	1.03E-05	4.94E-07	1.49E-05	1.01E-06	1.83E-06	1.62E-07	3.00E-06	7.81E-07	1.02E-06	7.38E-08	1.88E-06
2420	565208.7	4222206	6.92E-06	8.45E-06	4.45E-07	1.58E-05	3.67E-06	9.26E-06	4.45E-07	1.34E-05	9.08E-07	1.65E-06	1.46E-07	2.70E-06	7.03E-07	9.19E-07	6.65E-08	1.69E-06
2421	565213.5	4222190	6.13E-06	7.49E-06	3.95E-07	1.40E-05	3.25E-06	8.21E-06	3.95E-07	1.19E-05	8.05E-07	1.46E-06	1.29E-07	2.40E-06	6.23E-07	8.14E-07	5.89E-08	1.50E-06
2422	565225.7	4222171	5.3E-06	6.47E-06	3.41E-07	1.21E-05	2.81E-06	7.09E-06	3.41E-07	1.02E-05	6.96E-07	1.26E-06	1.12E-07	2.07E-06	5.38E-07	7.04E-07	5.09E-08	1.29E-06
2423	565197.8	4222253	9.11E-06	1.11E-05	5.86E-07	2.08E-05	4.83E-06	1.22E-05	5.86E-07	1.76E-05	1.20E-06	2.17E-06	1.92E-07	3.56E-06	9.26E-07	1.21E-06	8.75E-08	2.22E-06
2424	565198.9	4222262	9.56E-06	1.17E-05	6.15E-07	2.19E-05	5.07E-06	1.28E-05	6.15E-07	1.85E-05	1.26E-06	2.28E-06	2.01E-07	3.74E-06	9.72E-07	1.27E-06	9.19E-08	2.33E-06
2425	565200	4222271	9.97E-06	1.22E-05	6.42E-07	2.28E-05	5.28E-06	1.33E-05	6.42E-07	1.93E-05	1.31E-06	2.38E-06	2.10E-07	3.90E-06	1.01E-06	1.32E-06	9.58E-08	2.43E-06
2426	565201.1	4222280	1.03E-05	1.26E-05	6.64E-07	2.36E-05	5.47E-06	1.38E-05	6.64E-07	1.99E-05	1.35E-06	2.46E-06	2.17E-07	4.03E-06	1.05E-06	1.37E-06	9.91E-08	2.52E-06
2427	565202.2	4222289	1.06E-05	1.29E-05	6.81E-07	2.42E-05	5.61E-06	1.42E-05	6.81E-07	2.05E-05	1.39E-06	2.52E-06	2.23E-07	4.14E-06	1.08E-06	1.41E-06	1.02E-07	2.58E-06
2428	565203.3	4222298	1.08E-05	1.32E-05	6.93E-07	2.46E-05	5.71E-06	1.44E-05	6.93E-07	2.08E-05	1.41E-06	2.57E-06	2.27E-07	4.21E-06	1.09E-06	1.43E-06	1.04E-07	2.63E-06
2429	565189.6	4222237	7.9E-06	9.65E-06	5.09E-07	1.81E-05	4.19E-06	1.06E-05	5.09E-07	1.53E-05	1.04E-06	1.88E-06	1.66E-07	3.09E-06	8.03E-07	1.05E-06	7.59E-08	1.93E-06
2430	565195	4222220	7.26E-06	8.87E-06	4.68E-07	1.66E-05	3.85E-06	9.73E-06	4.68E-07	1.40E-05	9.54E-07	1.73E-06	1.53E-07	2.84E-06	7.38E-07	9.65E-07	6.98E-08	1.77E-06
2431	565202.9	4222194	6.12E-06	7.47E-06	3.94E-07	1.40E-05	3.24E-06	8.19E-06	3.94E-07	1.18E-05	8.04E-07	1.46E-06	1.29E-07	2.39E-06	6.22E-07	8.13E-07	5.88E-08	1.49E-06
2432	565208.3	4222177	5.35E-06	6.53E-06	3.44E-07	1.22E-05	2.84E-06	7.16E-06	3.44E-07	1.03E-05	7.02E-07	1.28E-06	1.13E-07	2.09E-06	5.44E-07	7.11E-07	5.14E-08	1.31E-06
2433	565219.1	4222165	4.9E-06	5.98E-06	3.15E-07	1.12E-05	2.60E-06	6.56E-06	3.15E-07	9.47E-06	6.43E-07	1.17E-06	1.03E-07	1.92E-06	4.98E-07	6.51E-07	4.71E-08	1.20E-06
2434	565187	4222245	8.15E-06	9.95E-06	5.24E-07	1.86E-05	4.32E-06	1.09E-05	5.24E-07	1.58E-05	1.07E-06	1.94E-06	1.72E-07	3.19E-06	8.28E-07	1.08E-06	7.83E-08	1.99E-06
2435	565189.2	4222263	8.95E-06	1.09E-05	5.76E-07	2.05E-05	4.74E-06	1.20E-05	5.76E-07	1.73E-05	1.18E-06	2.13E-06	1.88E-07	3.50E-06	9.09E-07	1.19E-06	8.60E-08	2.18E-06
2436	565190.3	4222272	9.29E-06	1.13E-05	5.98E-07	2.12E-05	4.92E-06	1.24E-05	5.98E-07	1.80E-05	1.22E-06	2.22E-06	1.96E-07	3.63E-06	9.44E-07	1.23E-06	8.92E-08	2.27E-06
2437	565191.3	4222281	9.57E-06	1.17E-05	6.16E-07	2.19E-05	5.07E-06	1.28E-05	6.16E-07	1.85E-05	1.26E-06	2.28E-06	2.02E-07	3.74E-06	9.73E-07	1.27E-06	9.19E-08	2.34E-06
2438	565192.4	4222290	9.79E-06	1.2E-05	6.30E-07	2.24E-05	5.19E-06	1.31E-05	6.30E-07	1.89E-05	1.29E-06	2.34E-06	2.06E-07	3.83E-06	9.95E-07	1.30E-06	9.41E-08	2.39E-06
2439	565193.5	4222299	9.95E-06	1.21E-05	6.40E-07	2.27E-05	5.27E-06	1.33E-05	6.40E-07	1.92E-05	1.31E-06	2.37E-06	2.09E-07	3.89E-06	1.01E-06	1.32E-06	9.56E-08	2.43E-06
2440	565194.6	4222308	1E-05	1.23E-05	6.46E-07	2.29E-05	5.32E-06	1.34E-05	6.46E-07	1.94E-05	1.32E-06	2.39E-06	2.11E-07	3.92E-06	1.02E-06	1.33E-06	9.64E-08	2.45E-06
2441	565179.9	4222238	7.51E-06	9.18E-06	4.84E-07	1.72E-05	3.98E-06	1.01E-05	4.84E-07	1.45E-05	9.87E-07	1.79E-06	1.58E-07	2.94E-06	7.64E-07	9.98E-07	7.22E-08	1.83E-06
2442	565185.1	4222221	6.98E-06	8.53E-06	4.50E-07	1.60E-05	3.70E-06	9.35E-06	4.50E-07	1.35E-05	9.17E-07	1.67E-06	1.47E-07	2.73E-06	7.10E-07	9.28E-07	6.71E-08	1.70E-06
2443	565190.4	4222204	6.34E-06	7.74E-06	4.08E-07	1.45E-05	3.36E-06	8.48E-06	4.08E-07	1.23E-05	8.32E-07	1.51E-06	1.33E-07	2.48E-06	6.44E-07	8.42E-07	6.09E-08	1.55E-06
2444	565195.7	4222187	5.64E-06	6.89E-06	3.63E-07	1.29E-05	2.99E-06	7.55E-06	3.63E-07	1.09E-05	7.41E-07	1.35E-06	1.19E-07	2.21E-06	5.73E-07	7.49E-07	5.42E-08	1.38E-06
2445	565200.9	4222170	4.96E-06	6.06E-06	3.19E-07	1.13E-05	2.63E-06	6.64E-06	3.19E-07	9.59E-06	6.51E-07	1.18E-06	1.04E-07	1.94E-06	5.04E-07	6.59E-07	4.76E-08	1.21E-06
2446	565211.6	4222158	4.56E-06	5.57E-06	2.93E-07	1.04E-05	2.42E-06	6.10E-06	2.93E-07	8.81E-06	5.99E-07	1.09E-06	9.60E-08	1.78E-06	4.63E-07	6.05E-07	4.38E-08	1.11E-06
2447	565227.8	4222151	4.37E-06	5.34E-06	2.81E-07	9.99E-06	2.32E-06	5.85E-06	2.81E-07	8.45E-06	5.74E-07	1.04E-06	9.20E-08	1.71E-06	4.44E-07	5.81E-07	4.20E-08	1.07E-06
2448	565178.3	4222255	8.07E-06	9.86E-06	5.20E-07	1.84E-05	4.28E-06	1.08E-05	5.20E-07	1.56E-05	1.06E-06	1.93E-06	1.70E-07	3.16E-06	8.20E-07	1.07E-06	7.76E-08	1.97E-06
2449	565179.4	4222264	8.4E-06	1.03E-05	5.40E-07	1.92E-05	4.45E-06	1.12E-05	5.40E-07	1.62E-05	1.10E-06	2.00E-06	1.77E-07	3.28E-06	8.53E-07	1.12E-06	8.07E-08	2.05E-06
2450	565180.5	4222273	8.68E-06	1.06E-05	5.59E-07	1.98E-05	4.60E-06	1.16E-05	5.59E-07	1.68E-05	1.14E-06	2.07E-06	1.83E-07	3.39E-06	8.82E-07	1.15E-06	8.34E-08	2.12E-06
2451	565181.6	4222282	8.92E-06	1.09E-05	5.74E-07	2.04E-05	4.73E-06	1.19E-05	5.74E-07	1.72E-05	1.17E-06	2.13E-06	1.88E-07	3.49E-06	9.06E-07	1.18E-06	8.57E-08	2.18E-06
2452	565183.8	4222300	9.23E-06	1.13E-05	5.94E-07	2.11E-05	4.89E-06	1.24E-05	5.94E-07	1.78E-05	1.21E-06	2.20E-06	1.94E-07	3.61E-06	9.38E-07	1.23E-06	8.86E-08	2.25E-06
2453	565184.9	4222309	9.29E-06	1.14E-05	5.98E-07	2.12E-05	4.93E-06	1.24E-05	5.98E-07	1.80E-05	1.22E-06	2.22E-06	1.96E-07	3.63E-06	9.44E-07	1.23E-06	8.93E-08	2.27E-06
2454	565170.1	4222239	7.15E-06	8.74E-06	4.60E-07	1.64E-05	3.79E-06	9.58E-06	4.60E-07	1.38E-05	9.39E-07	1.71E-06	1.51E-07	2.80E-06	7.27E-07	9.50E-07	6.87E-08	1.75E-06
2455	565175.3	4222222	6.71E-06	8.2E-06	4.32E-07	1.53E-05	3.56E-06	8.99E-06	4.32E-07	1.30E-05	8.81E-07	1.60E-06	1.41E-07	2.62E-06	6.82E-07	8.92E-07	6.45E-08	1.64E-06
2456	565180.5	4222206	6.15E-06	7.52E-06	3.96E-07	1.41E-05	3.26E-06	8.24E-06	3.96E-07	1.19E-05	8.08E-07	1.47E-06	1.30E-07	2.41E-06	6.25E-07	8.17E-07	5.91E-08	1.50E-06
2457	565185.7	4222189	5.54E-06	6.76E-06	3.56E-07	1.27E-05	2.94E-06	7.41E-06	3.56E-07	1.07E-05	7.27E-07	1.32E-06	1.17E-07	2.16E-06	5.63E-07	7.36E-07	5.32E-08	1.35E-06
2458	565191	4222172	4.91E-06	6E-06	3.16E-07	1.12E-05	2.61E-06	6.58E-06	3.16E-07	9.50E-06	6.45E-07	1.17E-06	1.03E-07	1.92E-06	4.99E-07	6.53E-07	4.72E-08	1.20E-06
2459	565204.2	4222152	4.25E-06	5.19E-06	2.74E-07	9.72E-06	2.25E-06	5.69E-06	2.74E-07	8.22E-06	5.59E-07	1.01E-06	8.96E-08	1.66E-06	4.32E-07	5.65E-07	4.09E-08	1.04E-06
2460	565220.2	4222144	4.08E-06	4.99E-06	2.63E-07	9.33E-06	2.17E-06	5.47E-06	2.63E-07	7.90E-06	5.36E-07	9.74E-07	8.60E-08	1.60E-06	4.15E-07	5.42E-07	3.92E-08	9.97E-07
2461	565171.8	4222283	8.34E-06	1.02E-05	5.37E-07	1.91E-05	4.42E-06	1.12E-05	5.37E-07	1.61E-05	1.09E-06	1.99E-06	1.76E-07	3.26E-06	8.47E-07	1.11E-06	8.01E-08	2.03E-06
2462	565172.9	4222292	8.49E-06	1.04E-05	5.46E-07	1.94E-05	4.50E-06	1.14E-05	5.46E-07	1.64E-05	1.11E-06	2.03E-06	1.79E-07	3.32E-06	8.63E-07	1.13E-06	8.16E-08	2.07E-06
2463	565174	4222301	8.59E-06	1.05E-05	5.53E-07	1.96E-05	4.55E-06	1.15E-05	5.53E-07	1.66E-05	1.13E-06	2.05E-06	1.81E-07	3.36E-06	8.73E-07	1.14E-06	8.25E-08	2.10E-06
2464	565175.1	4222310	8.64E-06	1.06E-05	5.56E-07	1.98E-05	4.58E-06	1.16E-05	5.56E-07	1.67E-05	1.13E-06	2.06E-06	1.82E-07	3.38E-06	8.78E-07	1.15E-06	8.30E-08	2.11E-06
2465	565170.7	4222207	5.97E-06	7.29E-06	3.84E-07	1.36E-05	3.16E-06	7.99E-06	3.84E-07	1.15E-05	7.83E-07	1.42E-06	1.26E-07	2.33E-06	6.06E-07	7.92E-07	5.73E-08	1.46E-06
2466	565175.8	4222190	5.42E-06	6.62E-06	3.49E-07	1.24E-05	2.87E-06	7.26E-06	3.49E-07	1.05E-05	7.12E-07	1.29E-06	1.14E-07	2.12E-06	5.51E-07	7.20E-07	5.21E-08	1.32E-06
2467	565181	4222174	4.85E-06	5.93E-06	3.12E-07	1.11E-05	2.57E-06	6.50E-06	3.12E-07	9.39E-06	6.37E-07	1.16E-06	1.02E-07	1.90E-06	4.93E-07	6.45E-07	4.66E-08	1.18E-06
2468	565186.2	4222157	4.31E-06	5.26E-06	2.77E-07	9.84E-06	2.28E-06	5.77E-06	2.77E-07	8.33E-06	5.66E-07	1.03E-06	9.07E-08	1.68E-06	4.38E-07	5.72E-07	4.14E-08	1.05E-06
2469	565196.8	4222145	3.98E-06	4.86E-06	2.56E-07	9.10E-06	2.11E-06	5.33E-06	2.56E-07	7.70E-06	5.23E-07	9.50E-07	8.38E-08	1.56E-06	4.05E-07	5.29E-07	3.82E-08	9.72E-07
2470	565212.7	4222138	3.83E-06	4.67E-06	2.46E-07	8.75E-06	2.03E-06	5.12E-06	2.46E-07	7.40E-06	5.03E-07	9.13E-07	8.06E-08	1.50E-06	3.89E-07	5.08E-07	3.68E-08	9.34E-07
2471	565228.6	4222131	3.65E-06	4.46E-06	2.35E-07	8.34E-06	1.94E-06	4.89E-06	2.35E-07	7.06E-06	4.79E-07	8.71E-07	7.69E-08	1.43E-06	3.71E-07	4.85E-07	3.51E-08	8.91E-07
2472	565150.5	4222242	6.5E-06	7.94E-06	4.18E-07	1.49E-05	3.44E-06	8.70E-06	4.18E-07	1.26E-05	8.53E-07	1.55E-06	1.37E-07	2.54E-06	6.60E-07	8.63E-07	6.24E-08	1.59E-06
2473	565171.1	4222175	4.78E-06	5.84E-06	3.08E-07	1.09E-05	2.54E-06	6.40E-06	3.08E-07	9.25E-06	6.28E-07	1.14E-06	1.01E-07	1.87E-06	4.86E-07	6.35E-07	4.59E-08	1.17E-06
2474	565176.3	4222159	4.28E-06	5.22E-06	2.75E-07	9.77E-06	2.27E-06	5.72E-06	2.75E-07	8.27E-06	5.61E-07	1.02E-06	9.00E-08	1.67E-06	4.34E-07	5.68E-07	4.11E-08	1.04E-06
2475	565189.4	4222139	3.74E-06	4.56E-06	2.40E-07	8.54E-06	1.98E-06	5.00E-06	2.40E-07	7.22E-06	4.91E-07	8.91E-07	7.87E-08	1.46E-06	3.80E-07	4.96E-07	3.59E-08	9.12E-07
2476	565205.2	4222131	3.59E-06	4.39E-06	2.31E-07	8.22E-06	1.91E-06	4.81E-06	2.31E-07	6.95E-06	4.72E-07	8.58E-07	7.57E-08	1.41E-06	3.65E-07	4.78E-07	3.45E-08	8.77E-07
2477	565221	4222124	3.43E-06	4.19E-06	2.21E-07	7.85E-06	1.82E-06	4.60E-06	2.21E-07	6.64E-06	4.51E-07	8.19E-07	7.23E-08	1.34E-06	3.49E-07	4.56E-07	3.30E-08	8.38E-07
2478	565149	4222259	6.83E-06	8.34E-06	4.40E-07	1.56E-05	3.62E-06	9.15E-06	4.40E-07	1.32E-05	8.97E-07	1.63E-06	1.44E-07	2.67E-06	6.94E-07	9.08E-07	6.56E-08	1.67E-06
2479	565150.1	4222268	7.04E-06	8.59E-06	4.53E-07	1.61E-05	3.73E-06	9.42E-06	4.53E-07	1.36E-05	9.24E-07	1.68E-06	1.48E-07	2.75E-06	7.15E-07	9.35E-07	6.76E-08	1.72E-06
2480	565151.2	4222277	7.21E-06	8.8E-06	4.64E-07	1.65E-05	3.82E-06	9.65E-06	4.64E-07	1.39E-05	9.47E-07	1.72E-06	1.52E-07	2.82E-06	7.33E-07	9.58E-07	6.93E-08	1.76E-06
2481	565152.3	4222286	7.35E-06	8.98E-06	4.73E-07	1.68E-05	3.90E-06	9.84E-06	4.73E-07	1.42E-05	9.65E-07	1.75E-06	1.55E-07	2.87E-06	7.47E-07	9.76E-07	7.06E-08	1.79E-06
2482	565153.4	4222295	7.45E-06	9.1E-06	4.80E-07	1.70E-05	3.95E-06	9.98E-06	4.80E-07	1.44E-05	9.79E-07	1.78E-06	1.57E-07	2.91E-06	7.57E-07	9.90E-07	7.16E-08	1.82E-06
2483	565155.6	4222313	7.55E-06	9.22E-06	4.86E-07	1.73E-05	4.00E-06	1.01E-05	4.86E-07	1.46E-05	9.92E-07	1.80E-06	1.59E-07	2.95E-06	7.67E-07	1.00E-06	7.26E-08	1.84E-06
2484	565140.7	4222243	6.2E-06	7.57E-06	3.99E-07	1.42E-05	3.29E-06	8.30E-06	3.99E-07	1.20E-05	8.14E-07	1.48E-06	1.31E-07	2.42E-06	6.30E-07	8.24E-07	5.96E-08	1.51E-06
2485	565145.9	4222226	5.94E-06	7.26E-06	3.82E-07	1.36E-05	3.15E-06	7.96E-06	3.82E-07	1.15E-05	7.80E-07	1.42E-06	1.25E-07	2.32E-06	6.04E-07	7.89E-07	5.71E-08	1.45E-06
2486	565151	4222210	5.59E-06	6.82E-06	3.60E-07	1.28E-05	2.96E-06	7.48E-06	3.60E-07	1.08E-05	7.34E-07	1.33E-06	1.18E-07	2.18E-06	5.68E-07	7.42E-07	5.37E-08	1.36E-06
2487	565171.5	4222144	3.78E-06	4.62E-06	2.43E-07	8.64E-06	2.00E-06	5.06E-06	2.43E-07	7.31E-06	4.97E-07	9.02E-07	7.96E-08	1.48E-06	3.84E-07	5.02E-07	3.63E-08	9.23E-07
2488	565181.9	4222132	3.51E-06	4.29E-06	2.26E-07	8.03E-06	1.86E-06	4.70E-06	2.26E-07	6.79E-06	4.61E-07	8.38E-07	7.40E-08	1.37E-06	3.57E-07	4.67E-07	3.37E-08	8.57E-07
2489	565197.7	4222125	3.39E-06	4.13E-06	2.18E-07	7.74E-06	1.79E-06	4.53E-06	2.18E-07	6.54E-06	4.45E-07	8.08E-07	7.13E-08	1.32E-06	3.44E-07	4.50E-07	3.25E-08	8.26E-07
2490	565139.2	4222260	6.48E-06	7.92E-06	4.17E-07	1.48E-05	3.44E-06	8.68E-06	4.17E-07	1.25E-05	8.52E-07	1.55E-06	1.37E-07	2.54E-06	6.59E-07	8.61E-07	6.23E-08	1.58E-06
2491	565140.3	4222269	6.66E-06	8.13E-06	4.29E-07	1.52E-05	3.53E-06	8.92E-06	4.29E-07	1.29E-05	8.74E-07	1.59E-06	1.40E-07	2.60E-06	6.77E-07	8.85E-07	6.40E-08	1.63E-06
2492	565141.4	4222278	6.81E-06	8.31E-06	4.38E-07	1.56E-05	3.61E-06	9.11E-06	4.38E-07	1.32E-05	8.94E-07	1.62E-06	1.43E-07	2.66E-06	6.92E-07	9.04E-07	6.54E-08	1.66E-06
2493	565142.5	4222287	6.93E-06	8.46E-06	4.46E-07	1.58E-05	3.67E-06	9.27E-06	4.46E-07	1.34E-05	9.09E-07	1.65E-06	1.46E-07	2.71E-06	7.04E-07	9.20E-07	6.65E-08	1.69E-06
2494	565143.6	4222296	7.01E-06	8.56E-06	4.51E-07	1.60E-05	3.72E-06	9.39E-06	4.51E-07	1.36E-05	9.21E-07	1.67E-06	1.48E-07	2.74E-06	7.13E-07	9.32E-07	6.74E-08	1.71E-06
2495	565144.7	4222305	7.07E-06	8.63E-06	4.55E-07	1.62E-05	3.75E-06	9.46E-06	4.55E-07	1.37E-05	9.28E-07	1.69E-06	1.49E-07	2.76E-06	7.18E-07	9.39E-07	6.79E-08	1.72E-06
2496	565145.8	4222314	7.09E-06	8.66E-06	4.56E-07	1.62E-05	3.76E-06	9.49E-06	4.56E-07	1.37E-05	9.31E-07	1.69E-06	1.49E-07	2.77E-06	7.20E-07	9.42E-07	6.81E-08	1.73E-06
2497	565130.9	4222244	5.92E-06	7.23E-06	3.81E-07	1.35E-05	3.14E-06	7.93E-06	3.81E-07	1.14E-05	7.78E-07	1.41E-06	1.25E-07	2.32E-06	6.02E-07	7.87E-07	5.69E-08	1.45E-06
2498	565136.1	4222228	5.71E-06	6.97E-06	3.67E-07	1.30E-05	3.03E-06	7.64E-06	3.67E-07	1.10E-05	7.49E-07	1.36E-06	1.20E-07	2.23E-06	5.80E-07	7.58E-07	5.48E-08	1.39E-06
2499	565141.2	4222211	5.4E-06	6.59E-06	3.47E-07	1.23E-05	2.86E-06	7.23E-06	3.47E-07	1.04E-05	7.09E-07	1.29E-06	1.14E-07	2.11E-06	5.49E-07	7.17E-07	5.19E-08	1.32E-06
2500	565151.4	4222178	4.61E-06	5.63E-06	2.96E-07	1.05E-05	2.44E-06	6.17E-06	2.96E-07	8.91E-06	6.05E-07	1.10E-06	9.70E-08	1.80E-06	4.68E-07	6.12E-07	4.43E-08	1.12E-06
2501	565174.5	4222126	3.31E-06	4.04E-06	2.13E-07	7.56E-06	1.75E-06	4.43E-06	2.13E-07	6.40E-06	4.35E-07	7.89E-07	6.97E-08	1.29E-06	3.36E-07	4.40E-07	3.18E-08	8.08E-07
2502	565129.5	4222261	6.16E-06	7.53E-06	3.97E-07	1.41E-05	3.27E-06	8.25E-06	3.97E-07	1.19E-05	8.09E-07	1.47E-06	1.30E-07	2.41E-06	6.26E-07	8.19E-07	5.92E-08	1.50E-06
2503	565130.6	4222270	6.31E-06	7.71E-06	4.06E-07	1.44E-05	3.35E-06	8.45E-06	4.06E-07	1.22E-05	8.29E-07	1.51E-06	1.33E-07	2.47E-06	6.42E-07	8.39E-07	6.07E-08	1.54E-06
2504	565131.7	4222279	6.44E-06	7.87E-06	4.15E-07	1.47E-05	3.41E-06	8.62E-06	4.15E-07	1.25E-05	8.46E-07	1.54E-06	1.36E-07	2.52E-06	6.54E-07	8.56E-07	6.19E-08	1.57E-06
2505	565133.8	4222297	6.61E-06	8.08E-06	4.26E-07	1.51E-05	3.51E-06	8.85E-06	4.26E-07	1.28E-05	8.68E-07	1.58E-06	1.39E-07	2.59E-06	6.72E-07	8.78E-07	6.35E-08	1.61E-06
2506	565134.9	4222306	6.66E-06	8.13E-06	4.28E-07	1.52E-05	3.53E-06	8.91E-06	4.28E-07	1.29E-05	8.74E-07	1.59E-06	1.40E-07	2.60E-06	6.76E-07	8.84E-07	6.40E-08	1.62E-06
2507	565136	4222315	6.67E-06	8.15E-06	4.29E-07	1.52E-05	3.54E-06	8.93E-06	4.29E-07	1.29E-05	8.76E-07	1.59E-06	1.41E-07	2.61E-06	6.78E-07	8.86E-07	6.41E-08	1.63E-06
2508	565121.2	4222245	5.66E-06	6.91E-06	3.64E-07	1.29E-05	3.00E-06	7.58E-06	3.64E-07	1.09E-05	7.43E-07	1.35E-06	1.19E-07	2.21E-06	5.75E-07	7.52E-07	5.44E-08	1.38E-06
2509	565126.3	4222229	5.48E-06	6.69E-06	3.53E-07	1.25E-05	2.91E-06	7.34E-06	3.53E-07	1.06E-05	7.20E-07	1.31E-06	1.15E-07	2.14E-06	5.57E-07	7.28E-07	5.27E-08	1.34E-06
2510	565131.3	4222213	5.22E-06	6.37E-06	3.36E-07	1.19E-05	2.77E-06	6.98E-06	3.36E-07	1.01E-05	6.85E-07	1.24E-06	1.10E-07	2.04E-06	5.30E-07	6.93E-07	5.01E-08	1.27E-06
2511	565141.5	4222180	4.51E-06	5.51E-06	2.90E-07	1.03E-05	2.39E-06	6.04E-06	2.90E-07	8.72E-06	5.92E-07	1.08E-06	9.49E-08	1.76E-06	4.58E-07	5.99E-07	4.33E-08	1.10E-06
2512	565146.6	4222164	4.12E-06	5.03E-06	2.65E-07	9.41E-06	2.18E-06	5.51E-06	2.65E-07	7.96E-06	5.41E-07	9.83E-07	8.67E-08	1.61E-06	4.19E-07	5.47E-07	3.96E-08	1.01E-06
2513	565151.7	4222147	3.73E-06	4.55E-06	2.40E-07	8.52E-06	1.98E-06	4.99E-06	2.40E-07	7.21E-06	4.90E-07	8.89E-07	7.85E-08	1.46E-06	3.79E-07	4.95E-07	3.58E-08	9.10E-07
2514	565214	4222098	2.77E-06	3.38E-06	1.78E-07	6.32E-06	1.47E-06	3.70E-06	1.78E-07	5.35E-06	3.63E-07	6.60E-07	5.83E-08	1.08E-06	2.81E-07	3.67E-07	2.66E-08	6.75E-07
2515	565119.7	4222263	5.87E-06	7.16E-06	3.78E-07	1.34E-05	3.11E-06	7.85E-06	3.78E-07	1.13E-05	7.70E-07	1.40E-06	1.24E-07	2.29E-06	5.96E-07	7.79E-07	5.64E-08	1.43E-06
2516	565120.8	4222271	6E-06	7.32E-06	3.86E-07	1.37E-05	3.18E-06	8.03E-06	3.86E-07	1.16E-05	7.87E-07	1.43E-06	1.26E-07	2.34E-06	6.09E-07	7.97E-07	5.76E-08	1.46E-06
2517	565121.9	4222280	6.1E-06	7.46E-06	3.93E-07	1.40E-05	3.24E-06	8.17E-06	3.93E-07	1.18E-05	8.02E-07	1.46E-06	1.29E-07	2.39E-06	6.20E-07	8.11E-07	5.87E-08	1.49E-06
2518	565123	4222289	6.19E-06	7.56E-06	3.98E-07	1.41E-05	3.28E-06	8.29E-06	3.98E-07	1.20E-05	8.13E-07	1.48E-06	1.30E-07	2.42E-06	6.29E-07	8.22E-07	5.95E-08	1.51E-06
2519	565124.1	4222298	6.25E-06	7.63E-06	4.02E-07	1.43E-05	3.31E-06	8.37E-06	4.02E-07	1.21E-05	8.21E-07	1.49E-06	1.32E-07	2.44E-06	6.35E-07	8.30E-07	6.00E-08	1.53E-06
2520	565125.2	4222307	6.28E-06	7.68E-06	4.04E-07	1.44E-05	3.33E-06	8.41E-06	4.04E-07	1.22E-05	8.25E-07	1.50E-06	1.32E-07	2.46E-06	6.39E-07	8.35E-07	6.04E-08	1.53E-06
2521	565126.3	4222316	6.29E-06	7.69E-06	4.05E-07	1.44E-05	3.34E-06	8.43E-06	4.05E-07	1.22E-05	8.27E-07	1.50E-06	1.33E-07	2.46E-06	6.40E-07	8.36E-07	6.05E-08	1.54E-06
2522	565111.4	4222247	5.42E-06	6.61E-06	3.49E-07	1.24E-05	2.87E-06	7.25E-06	3.49E-07	1.05E-05	7.11E-07	1.29E-06	1.14E-07	2.12E-06	5.50E-07	7.20E-07	5.20E-08	1.32E-06
2523	565116.5	4222230	5.26E-06	6.43E-06	3.39E-07	1.20E-05	2.79E-06	7.05E-06	3.39E-07	1.02E-05	6.91E-07	1.26E-06	1.11E-07	2.06E-06	5.35E-07	6.99E-07	5.06E-08	1.28E-06
2524	565121.5	4222214	5.04E-06	6.15E-06	3.24E-07	1.15E-05	2.67E-06	6.74E-06	3.24E-07	9.74E-06	6.61E-07	1.20E-06	1.06E-07	1.97E-06	5.12E-07	6.69E-07	4.84E-08	1.23E-06
2525	565126.6	4222198	4.74E-06	5.79E-06	3.05E-07	1.08E-05	2.52E-06	6.35E-06	3.05E-07	9.17E-06	6.23E-07	1.13E-06	9.99E-08	1.85E-06	4.82E-07	6.30E-07	4.56E-08	1.16E-06
2526	565131.7	4222181	4.41E-06	5.38E-06	2.84E-07	1.01E-05	2.34E-06	5.90E-06	2.84E-07	8.52E-06	5.79E-07	1.05E-06	9.28E-08	1.72E-06	4.48E-07	5.85E-07	4.23E-08	1.08E-06
2527	565136.7	4222165	4.05E-06	4.95E-06	2.61E-07	9.26E-06	2.15E-06	5.42E-06	2.61E-07	7.83E-06	5.32E-07	9.66E-07	8.53E-08	1.58E-06	4.12E-07	5.38E-07	3.89E-08	9.89E-07

2528	565141.8	4222149	3.69E-06	4.51E-06	2.37E-07	8.43E-06	1.96E-06	4.94E-06	2.37E-07	7.13E-06	4.84E-07	8.80E-07	7.77E-08	1.44E-06	3.75E-07	4.90E-07	3.54E-08	9.00E-07
2529	565146.9	4222132	3.34E-06	4.07E-06	2.15E-07	7.62E-06	1.77E-06	4.47E-06	2.15E-07	6.45E-06	4.38E-07	7.96E-07	7.03E-08	1.30E-06	3.39E-07	4.43E-07	3.20E-08	8.14E-07
2530	565190.9	4222099	2.75E-06	3.36E-06	1.77E-07	6.28E-06	1.46E-06	3.68E-06	1.77E-07	5.31E-06	3.61E-07	6.56E-07	5.79E-08	1.07E-06	2.79E-07	3.65E-07	2.64E-08	6.71E-07
2531	565206.4	4222091	2.63E-06	3.21E-06	1.69E-07	6.01E-06	1.39E-06	3.52E-06	1.69E-07	5.08E-06	3.45E-07	6.27E-07	5.53E-08	1.03E-06	2.67E-07	3.49E-07	2.52E-08	6.41E-07
2532	565222	4222084	2.5E-06	3.06E-06	1.61E-07	5.72E-06	1.33E-06	3.35E-06	1.61E-07	4.84E-06	3.29E-07	5.97E-07	5.27E-08	9.79E-07	2.54E-07	3.33E-07	2.41E-08	6.11E-07
2533	565109.9	4222264	5.59E-06	6.83E-06	3.60E-07	1.28E-05	2.96E-06	7.48E-06	3.60E-07	1.08E-05	7.34E-07	1.33E-06	1.18E-07	2.19E-06	5.68E-07	7.43E-07	5.37E-08	1.36E-06
2534	565111	4222273	5.7E-06	6.96E-06	3.67E-07	1.30E-05	3.02E-06	7.64E-06	3.67E-07	1.10E-05	7.49E-07	1.36E-06	1.20E-07	2.23E-06	5.80E-07	7.58E-07	5.48E-08	1.39E-06
2535	565112.1	4222282	5.8E-06	7.08E-06	3.73E-07	1.32E-05	3.07E-06	7.76E-06	3.73E-07	1.12E-05	7.61E-07	1.38E-06	1.22E-07	2.27E-06	5.89E-07	7.70E-07	5.57E-08	1.41E-06
2536	565113.2	4222291	5.87E-06	7.17E-06	3.78E-07	1.34E-05	3.11E-06	7.86E-06	3.78E-07	1.13E-05	7.71E-07	1.40E-06	1.24E-07	2.29E-06	5.96E-07	7.79E-07	5.64E-08	1.43E-06
2537	565114.3	4222300	5.92E-06	7.23E-06	3.81E-07	1.35E-05	3.14E-06	7.92E-06	3.81E-07	1.14E-05	7.77E-07	1.41E-06	1.25E-07	2.31E-06	6.01E-07	7.86E-07	5.69E-08	1.44E-06
2538	565115.4	4222309	5.94E-06	7.26E-06	3.83E-07	1.36E-05	3.15E-06	7.96E-06	3.83E-07	1.15E-05	7.81E-07	1.42E-06	1.25E-07	2.32E-06	6.04E-07	7.90E-07	5.71E-08	1.45E-06
2539	565116.5	4222317	5.95E-06	7.27E-06	3.83E-07	1.36E-05	3.15E-06	7.97E-06	3.83E-07	1.15E-05	7.81E-07	1.42E-06	1.25E-07	2.33E-06	6.05E-07	7.90E-07	5.72E-08	1.45E-06
2540	565101.8	4222247	5.18E-06	6.33E-06	3.34E-07	1.18E-05	2.75E-06	6.94E-06	3.34E-07	1.00E-05	6.81E-07	1.24E-06	1.09E-07	2.03E-06	5.27E-07	6.89E-07	4.98E-08	1.26E-06
2541	565104.4	4222239	5.12E-06	6.26E-06	3.30E-07	1.17E-05	2.72E-06	6.86E-06	3.30E-07	9.91E-06	6.73E-07	1.22E-06	1.08E-07	2.00E-06	5.21E-07	6.81E-07	4.92E-08	1.25E-06
2542	565109.8	4222222	4.94E-06	6.04E-06	3.18E-07	1.13E-05	2.62E-06	6.62E-06	3.18E-07	9.56E-06	6.49E-07	1.18E-06	1.04E-07	1.93E-06	5.02E-07	6.57E-07	4.75E-08	1.21E-06
2543	565115.1	4222204	4.7E-06	5.73E-06	3.02E-07	1.07E-05	2.49E-06	6.29E-06	3.02E-07	9.08E-06	6.17E-07	1.12E-06	9.89E-08	1.84E-06	4.77E-07	6.24E-07	4.51E-08	1.15E-06
2544	565123.2	4222178	4.22E-06	5.16E-06	2.72E-07	9.65E-06	2.24E-06	5.65E-06	2.72E-07	8.16E-06	5.54E-07	1.01E-06	8.89E-08	1.65E-06	4.29E-07	5.61E-07	4.06E-08	1.03E-06
2545	565128.5	4222161	3.87E-06	4.73E-06	2.49E-07	8.85E-06	2.05E-06	5.18E-06	2.49E-07	7.49E-06	5.09E-07	9.24E-07	8.16E-08	1.51E-06	3.94E-07	5.14E-07	3.72E-08	9.45E-07
2546	565133.9	4222144	3.52E-06	4.3E-06	2.26E-07	8.04E-06	1.86E-06	4.71E-06	2.26E-07	6.80E-06	4.62E-07	8.39E-07	7.41E-08	1.38E-06	3.57E-07	4.67E-07	3.38E-08	8.58E-07
2547	565139.2	4222127	3.17E-06	3.87E-06	2.04E-07	7.25E-06	1.68E-06	4.25E-06	2.04E-07	6.13E-06	4.17E-07	7.57E-07	6.68E-08	1.24E-06	3.22E-07	4.21E-07	3.05E-08	7.74E-07
2548	565177.4	4222095	2.65E-06	3.24E-06	1.71E-07	6.06E-06	1.40E-06	3.55E-06	1.71E-07	5.12E-06	3.48E-07	6.32E-07	5.58E-08	1.04E-06	2.69E-07	3.52E-07	2.55E-08	6.47E-07
2549	565193.9	4222087	2.54E-06	3.1E-06	1.63E-07	5.80E-06	1.34E-06	3.40E-06	1.63E-07	4.90E-06	3.33E-07	6.05E-07	5.34E-08	9.92E-07	2.58E-07	3.37E-07	2.44E-08	6.19E-07
2550	565202.1	4222084	2.48E-06	3.02E-06	1.59E-07	5.66E-06	1.31E-06	3.32E-06	1.59E-07	4.79E-06	3.25E-07	5.91E-07	5.22E-08	9.68E-07	2.52E-07	3.29E-07	2.38E-08	6.04E-07
2551	565218.5	4222076	2.36E-06	2.88E-06	1.52E-07	5.38E-06	1.25E-06	3.15E-06	1.52E-07	4.55E-06	3.09E-07	5.62E-07	4.96E-08	9.21E-07	2.39E-07	3.13E-07	2.26E-08	5.75E-07
2552	565100.2	4222265	5.33E-06	6.51E-06	3.43E-07	1.22E-05	2.83E-06	7.14E-06	3.43E-07	1.03E-05	7.00E-07	1.27E-06	1.12E-07	2.08E-06	5.42E-07	7.08E-07	5.12E-08	1.30E-06
2553	565101.3	4222274	5.43E-06	6.63E-06	3.49E-07	1.24E-05	2.88E-06	7.27E-06	3.49E-07	1.05E-05	7.13E-07	1.30E-06	1.14E-07	2.12E-06	5.52E-07	7.21E-07	5.22E-08	1.33E-06
2554	565102.4	4222283	5.51E-06	6.73E-06	3.55E-07	1.26E-05	2.92E-06	7.38E-06	3.55E-07	1.07E-05	7.24E-07	1.31E-06	1.16E-07	2.15E-06	5.60E-07	7.32E-07	5.29E-08	1.34E-06
2555	565103.4	4222292	5.57E-06	6.8E-06	3.59E-07	1.27E-05	2.95E-06	7.46E-06	3.59E-07	1.08E-05	7.32E-07	1.33E-06	1.17E-07	2.18E-06	5.66E-07	7.40E-07	5.35E-08	1.36E-06
2556	565105.6	4222310	5.63E-06	6.88E-06	3.63E-07	1.29E-05	2.99E-06	7.54E-06	3.63E-07	1.09E-05	7.40E-07	1.34E-06	1.19E-07	2.20E-06	5.72E-07	7.48E-07	5.41E-08	1.37E-06
2557	565106.7	4222319	5.63E-06	6.88E-06	3.63E-07	1.29E-05	2.99E-06	7.54E-06	3.63E-07	1.09E-05	7.40E-07	1.34E-06	1.19E-07	2.20E-06	5.73E-07	7.48E-07	5.41E-08	1.38E-06
2558	565092	4222249	4.96E-06	6.06E-06	3.19E-07	1.13E-05	2.63E-06	6.65E-06	3.19E-07	9.60E-06	6.52E-07	1.18E-06	1.05E-07	1.94E-06	5.04E-07	6.59E-07	4.77E-08	1.21E-06
2559	565097.3	4222231	4.85E-06	5.93E-06	3.12E-07	1.11E-05	2.57E-06	6.50E-06	3.12E-07	9.38E-06	6.37E-07	1.16E-06	1.02E-07	1.90E-06	4.93E-07	6.45E-07	4.66E-08	1.18E-06
2560	565102.6	4222214	4.67E-06	5.7E-06	3.00E-07	1.07E-05	2.47E-06	6.25E-06	3.00E-07	9.02E-06	6.13E-07	1.11E-06	9.83E-08	1.82E-06	4.74E-07	6.20E-07	4.48E-08	1.14E-06
2561	565107.9	4222197	4.42E-06	5.4E-06	2.85E-07	1.01E-05	2.34E-06	5.92E-06	2.85E-07	8.55E-06	5.81E-07	1.06E-06	9.31E-08	1.73E-06	4.49E-07	5.88E-07	4.25E-08	1.08E-06
2562	565113.3	4222180	4.13E-06	5.05E-06	2.66E-07	9.44E-06	2.19E-06	5.53E-06	2.66E-07	7.99E-06	5.43E-07	9.86E-07	8.70E-08	1.62E-06	4.20E-07	5.49E-07	3.97E-08	1.01E-06
2563	565118.6	4222163	3.81E-06	4.66E-06	2.45E-07	8.72E-06	2.02E-06	5.11E-06	2.45E-07	7.37E-06	5.01E-07	9.10E-07	8.03E-08	1.49E-06	3.88E-07	5.07E-07	3.66E-08	9.31E-07
2564	565123.9	4222146	3.48E-06	4.26E-06	2.24E-07	7.97E-06	1.85E-06	4.67E-06	2.24E-07	6.74E-06	4.58E-07	8.31E-07	7.34E-08	1.36E-06	3.54E-07	4.63E-07	3.35E-08	8.51E-07
2565	565129.2	4222129	3.16E-06	3.86E-06	2.03E-07	7.22E-06	1.68E-06	4.23E-06	2.03E-07	6.11E-06	4.15E-07	7.54E-07	6.66E-08	1.24E-06	3.21E-07	4.20E-07	3.04E-08	7.71E-07
2566	565145.4	4222099	2.66E-06	3.25E-06	1.71E-07	6.09E-06	1.41E-06	3.57E-06	1.71E-07	5.15E-06	3.50E-07	6.35E-07	5.61E-08	1.04E-06	2.71E-07	3.54E-07	2.56E-08	6.50E-07
2567	565169.9	4222088	2.52E-06	3.08E-06	1.62E-07	5.76E-06	1.34E-06	3.37E-06	1.62E-07	4.87E-06	3.31E-07	6.01E-07	5.31E-08	9.85E-07	2.56E-07	3.35E-07	2.42E-08	6.15E-07
2568	565178	4222085	2.47E-06	3.01E-06	1.59E-07	5.64E-06	1.31E-06	3.30E-06	1.59E-07	4.77E-06	3.24E-07	5.89E-07	5.20E-08	9.65E-07	2.51E-07	3.28E-07	2.37E-08	6.02E-07
2569	565194.4	4222077	2.36E-06	2.88E-06	1.52E-07	5.40E-06	1.25E-06	3.16E-06	1.52E-07	4.57E-06	3.10E-07	5.63E-07	4.97E-08	9.23E-07	2.40E-07	3.14E-07	2.27E-08	5.76E-07
2570	565210.7	4222070	2.25E-06	2.75E-06	1.45E-07	5.14E-06	1.19E-06	3.01E-06	1.45E-07	4.35E-06	2.95E-07	5.37E-07	4.74E-08	8.79E-07	2.29E-07	2.99E-07	2.16E-08	5.49E-07
2571	565218.9	4222066	2.19E-06	2.68E-06	1.41E-07	5.01E-06	1.16E-06	2.94E-06	1.41E-07	4.24E-06	2.88E-07	5.23E-07	4.62E-08	8.58E-07	2.23E-07	2.91E-07	2.11E-08	5.35E-07
2572	565090.4	4222266	5.09E-06	6.22E-06	3.28E-07	1.16E-05	2.70E-06	6.81E-06	3.28E-07	9.84E-06	6.68E-07	1.21E-06	1.07E-07	1.99E-06	5.17E-07	6.76E-07	4.89E-08	1.24E-06
2573	565091.5	4222275	5.17E-06	6.32E-06	3.33E-07	1.18E-05	2.74E-06	6.93E-06	3.33E-07	1.00E-05	6.79E-07	1.23E-06	1.09E-07	2.02E-06	5.26E-07	6.87E-07	4.97E-08	1.26E-06
2574	565092.6	4222284	5.24E-06	6.4E-06	3.37E-07	1.20E-05	2.78E-06	7.02E-06	3.37E-07	1.01E-05	6.89E-07	1.25E-06	1.10E-07	2.05E-06	5.33E-07	6.96E-07	5.04E-08	1.28E-06
2575	565095.9	4222311	5.34E-06	6.53E-06	3.44E-07	1.22E-05	2.83E-06	7.16E-06	3.44E-07	1.03E-05	7.02E-07	1.28E-06	1.13E-07	2.09E-06	5.43E-07	7.10E-07	5.13E-08	1.30E-06
2576	565097	4222320	5.34E-06	6.53E-06	3.44E-07	1.22E-05	2.83E-06	7.15E-06	3.44E-07	1.03E-05	7.02E-07	1.27E-06	1.13E-07	2.09E-06	5.43E-07	7.10E-07	5.13E-08	1.30E-06
2577	565092.8	4222216	4.51E-06	5.51E-06	2.90E-07	1.03E-05	2.39E-06	6.04E-06	2.90E-07	8.72E-06	5.92E-07	1.08E-06	9.50E-08	1.76E-06	4.58E-07	5.99E-07	4.33E-08	1.10E-06
2578	565095.4	4222207	4.41E-06	5.39E-06	2.84E-07	1.01E-05	2.34E-06	5.91E-06	2.84E-07	8.53E-06	5.79E-07	1.05E-06	9.29E-08	1.72E-06	4.48E-07	5.86E-07	4.24E-08	1.08E-06
2579	565106	4222173	3.9E-06	4.76E-06	2.51E-07	8.91E-06	2.07E-06	5.22E-06	2.51E-07	7.54E-06	5.12E-07	9.30E-07	8.21E-08	1.52E-06	3.96E-07	5.18E-07	3.74E-08	9.51E-07
2580	565111.3	4222156	3.6E-06	4.4E-06	2.32E-07	8.23E-06	1.91E-06	4.82E-06	2.32E-07	6.96E-06	4.73E-07	8.59E-07	7.58E-08	1.41E-06	3.66E-07	4.78E-07	3.46E-08	8.78E-07
2581	565116.6	4222139	3.29E-06	4.02E-06	2.12E-07	7.53E-06	1.75E-06	4.41E-06	2.12E-07	6.37E-06	4.33E-07	7.86E-07	6.94E-08	1.29E-06	3.35E-07	4.38E-07	3.16E-08	8.04E-07
2582	565121.9	4222122	2.99E-06	3.66E-06	1.93E-07	6.84E-06	1.59E-06	4.01E-06	1.93E-07	5.79E-06	3.93E-07	7.14E-07	6.31E-08	1.17E-06	3.04E-07	3.98E-07	2.88E-08	7.31E-07
2583	565127.2	4222105	2.71E-06	3.31E-06	1.74E-07	6.19E-06	1.44E-06	3.63E-06	1.74E-07	5.24E-06	3.56E-07	6.46E-07	5.71E-08	1.06E-06	2.75E-07	3.60E-07	2.60E-08	6.61E-07
2584	565138	4222093	2.53E-06	3.1E-06	1.63E-07	5.79E-06	1.34E-06	3.39E-06	1.63E-07	4.90E-06	3.33E-07	6.05E-07	5.34E-08	9.91E-07	2.58E-07	3.37E-07	2.44E-08	6.19E-07
2585	565146.1	4222089	2.49E-06	3.04E-06	1.60E-07	5.70E-06	1.32E-06	3.34E-06	1.60E-07	4.82E-06	3.27E-07	5.95E-07	5.25E-08	9.74E-07	2.53E-07	3.31E-07	2.39E-08	6.08E-07
2586	565170.5	4222078	2.35E-06	2.87E-06	1.51E-07	5.38E-06	1.25E-06	3.15E-06	1.51E-07	4.55E-06	3.09E-07	5.61E-07	4.95E-08	9.20E-07	2.39E-07	3.12E-07	2.26E-08	5.74E-07
2587	565186.7	4222071	2.25E-06	2.75E-06	1.45E-07	5.15E-06	1.19E-06	3.02E-06	1.45E-07	4.36E-06	2.96E-07	5.38E-07	4.75E-08	8.81E-07	2.29E-07	2.99E-07	2.17E-08	5.50E-07
2588	565194.8	4222067	2.2E-06	2.69E-06	1.42E-07	5.04E-06	1.17E-06	2.95E-06	1.42E-07	4.26E-06	2.89E-07	5.26E-07	4.64E-08	8.61E-07	2.24E-07	2.93E-07	2.12E-08	5.38E-07
2589	565211.1	4222060	2.1E-06	2.56E-06	1.35E-07	4.80E-06	1.11E-06	2.81E-06	1.35E-07	4.06E-06	2.76E-07	5.01E-07	4.42E-08	8.21E-07	2.13E-07	2.79E-07	2.02E-08	5.12E-07
2590	565219.2	4222056	2.05E-06	2.5E-06	1.32E-07	4.68E-06	1.09E-06	2.74E-06	1.32E-07	3.96E-06	2.69E-07	4.89E-07	4.31E-08	8.01E-07	2.08E-07	2.72E-07	1.97E-08	5.00E-07
2591	565086.1	4222312	5.08E-06	6.2E-06	3.27E-07	1.16E-05	2.69E-06	6.80E-06	3.27E-07	9.82E-06	6.67E-07	1.21E-06	1.07E-07	1.99E-06	5.16E-07	6.75E-07	4.88E-08	1.24E-06
2592	565087.2	4222321	5.07E-06	6.2E-06	3.27E-07	1.16E-05	2.69E-06	6.79E-06	3.27E-07	9.81E-06	6.66E-07	1.21E-06	1.07E-07	1.98E-06	5.16E-07	6.74E-07	4.88E-08	1.24E-06
2593	565072.4	4222251	4.56E-06	5.57E-06	2.94E-07	1.04E-05	2.42E-06	6.11E-06	2.94E-07	8.82E-06	5.99E-07	1.09E-06	9.61E-08	1.78E-06	4.64E-07	6.06E-07	4.38E-08	1.11E-06
2594	565093.5	4222183	3.95E-06	4.82E-06	2.54E-07	9.02E-06	2.09E-06	5.28E-06	2.54E-07	7.63E-06	5.18E-07	9.41E-07	8.31E-08	1.54E-06	4.01E-07	5.24E-07	3.79E-08	9.63E-07
2595	565098.8	4222166	3.68E-06	4.5E-06	2.37E-07	8.42E-06	1.95E-06	4.93E-06	2.37E-07	7.12E-06	4.84E-07	8.79E-07	7.76E-08	1.44E-06	3.74E-07	4.89E-07	3.54E-08	8.99E-07
2596	565104	4222149	3.4E-06	4.16E-06	2.19E-07	7.78E-06	1.80E-06	4.56E-06	2.19E-07	6.58E-06	4.47E-07	8.12E-07	7.17E-08	1.33E-06	3.46E-07	4.52E-07	3.27E-08	8.31E-07
2597	565109.3	4222132	3.12E-06	3.81E-06	2.01E-07	7.13E-06	1.65E-06	4.18E-06	2.01E-07	6.03E-06	4.10E-07	7.44E-07	6.57E-08	1.22E-06	3.17E-07	4.14E-07	3.00E-08	7.61E-07
2598	565119.8	4222099	2.58E-06	3.15E-06	1.66E-07	5.89E-06	1.37E-06	3.45E-06	1.66E-07	4.98E-06	3.39E-07	6.15E-07	5.43E-08	1.01E-06	2.62E-07	3.42E-07	2.48E-08	6.29E-07
2599	565130.5	4222086	2.42E-06	2.95E-06	1.55E-07	5.52E-06	1.28E-06	3.23E-06	1.55E-07	4.67E-06	3.17E-07	5.76E-07	5.09E-08	9.44E-07	2.45E-07	3.21E-07	2.32E-08	5.90E-07
2600	565138.6	4222083	2.38E-06	2.9E-06	1.53E-07	5.43E-06	1.26E-06	3.18E-06	1.53E-07	4.59E-06	3.12E-07	5.67E-07	5.00E-08	9.29E-07	2.41E-07	3.16E-07	2.28E-08	5.80E-07
2601	565171	4222068	2.2E-06	2.69E-06	1.42E-07	5.03E-06	1.17E-06	2.94E-06	1.42E-07	4.25E-06	2.89E-07	5.25E-07	4.63E-08	8.60E-07	2.24E-07	2.92E-07	2.11E-08	5.37E-07
2602	565187.1	4222061	2.11E-06	2.57E-06	1.36E-07	4.81E-06	1.12E-06	2.82E-06	1.36E-07	4.07E-06	2.77E-07	5.03E-07	4.44E-08	8.24E-07	2.14E-07	2.80E-07	2.02E-08	5.14E-07
2603	565195.2	4222057	2.06E-06	2.52E-06	1.33E-07	4.71E-06	1.09E-06	2.76E-06	1.33E-07	3.98E-06	2.70E-07	4.91E-07	4.34E-08	8.05E-07	2.09E-07	2.74E-07	1.98E-08	5.03E-07
2604	565211.4	4222050	1.96E-06	2.4E-06	1.26E-07	4.49E-06	1.04E-06	2.63E-06	1.26E-07	3.80E-06	2.58E-07	4.68E-07	4.14E-08	7.68E-07	2.00E-07	2.61E-07	1.89E-08	4.79E-07
2605	565219.5	4222046	1.92E-06	2.34E-06	1.23E-07	4.38E-06	1.02E-06	2.57E-06	1.23E-07	3.71E-06	2.52E-07	4.57E-07	4.04E-08	7.49E-07	1.95E-07	2.55E-07	1.84E-08	4.68E-07
2606	565070.9	4222268	4.65E-06	5.68E-06	2.99E-07	1.06E-05	2.47E-06	6.23E-06	2.99E-07	8.99E-06	6.11E-07	1.11E-06	9.80E-08	1.82E-06	4.73E-07	6.18E-07	4.47E-08	1.14E-06
2607	565072	4222277	4.71E-06	5.76E-06	3.03E-07	1.08E-05	2.50E-06	6.31E-06	3.03E-07	9.12E-06	6.19E-07	1.12E-06	9.93E-08	1.84E-06	4.79E-07	6.26E-07	4.53E-08	1.15E-06
2608	565073.1	4222286	4.76E-06	5.82E-06	3.07E-07	1.09E-05	2.53E-06	6.38E-06	3.07E-07	9.21E-06	6.26E-07	1.14E-06	1.00E-07	1.86E-06	4.84E-07	6.33E-07	4.58E-08	1.16E-06
2609	565076.3	4222313	4.83E-06	5.9E-06	3.11E-07	1.10E-05	2.56E-06	6.47E-06	3.11E-07	9.34E-06	6.35E-07	1.15E-06	1.02E-07	1.89E-06	4.91E-07	6.42E-07	4.64E-08	1.18E-06
2610	565062.6	4222252	4.38E-06	5.35E-06	2.82E-07	1.00E-05	2.32E-06	5.87E-06	2.82E-07	8.48E-06	5.76E-07	1.05E-06	9.23E-08	1.71E-06	4.45E-07	5.82E-07	4.21E-08	1.07E-06
2611	565067.9	4222235	4.33E-06	5.29E-06	2.79E-07	9.89E-06	2.30E-06	5.80E-06	2.79E-07	8.37E-06	5.68E-07	1.03E-06	9.12E-08	1.69E-06	4.40E-07	5.75E-07	4.16E-08	1.06E-06
2612	565073.1	4222219	4.22E-06	5.15E-06	2.72E-07	9.64E-06	2.24E-06	5.65E-06	2.72E-07	8.16E-06	5.54E-07	1.01E-06	8.88E-08	1.65E-06	4.29E-07	5.60E-07	4.05E-08	1.03E-06
2613	565083.6	4222185	3.85E-06	4.7E-06	2.48E-07	8.80E-06	2.04E-06	5.16E-06	2.48E-07	7.44E-06	5.06E-07	9.19E-07	8.11E-08	1.51E-06	3.91E-07	5.12E-07	3.70E-08	9.40E-07
2614	565088.9	4222168	3.61E-06	4.41E-06	2.33E-07	8.26E-06	1.92E-06	4.84E-06	2.33E-07	6.98E-06	4.74E-07	8.62E-07	7.61E-08	1.41E-06	3.67E-07	4.80E-07	3.47E-08	8.82E-07
2615	565094.1	4222151	3.36E-06	4.1E-06	2.16E-07	7.67E-06	1.78E-06	4.49E-06	2.16E-07	6.49E-06	4.41E-07	8.01E-07	7.07E-08	1.31E-06	3.41E-07	4.46E-07	3.22E-08	8.19E-07
2616	565099.4	4222134	3.09E-06	3.77E-06	1.99E-07	7.06E-06	1.64E-06	4.14E-06	1.99E-07	5.98E-06	4.06E-07	7.37E-07	6.51E-08	1.21E-06	3.14E-07	4.11E-07	2.97E-08	7.54E-07
2617	565109.8	4222100	2.58E-06	3.15E-06	1.66E-07	5.89E-06	1.37E-06	3.45E-06	1.66E-07	4.98E-06	3.38E-07	6.15E-07	5.43E-08	1.01E-06	2.62E-07	3.42E-07	2.48E-08	6.29E-07
2618	565123.1	4222080	2.31E-06	2.82E-06	1.48E-07	5.27E-06	1.22E-06	3.09E-06	1.48E-07	4.46E-06	3.03E-07	5.50E-07	4.86E-08	9.01E-07	2.34E-07	3.06E-07	2.21E-08	5.63E-07
2619	565131.2	4222076	2.27E-06	2.77E-06	1.46E-07	5.18E-06	1.20E-06	3.04E-06	1.46E-07	4.39E-06	2.98E-07	5.41E-07	4.78E-08	8.87E-07	2.30E-07	3.01E-07	2.18E-08	5.54E-07
2620	565147.3	4222069	2.19E-06	2.67E-06	1.41E-07	5.00E-06	1.16E-06	2.93E-06	1.41E-07	4.23E-06	2.87E-07	5.22E-07	4.61E-08	8.56E-07	2.22E-07	2.91E-07	2.10E-08	5.34E-07
2621	565179.5	4222054	2.02E-06	2.46E-06	1.30E-07	4.61E-06	1.07E-06	2.70E-06	1.30E-07	3.90E-06	2.65E-07	4.81E-07	4.25E-08	7.88E-07	2.05E-07	2.68E-07	1.94E-08	4.92E-07
2622	565195.6	4222047	1.93E-06	2.36E-06	1.24E-07	4.41E-06	1.02E-06	2.58E-06	1.24E-07	3.73E-06	2.53E-07	4.60E-07	4.06E-08	7.54E-07	1.96E-07	2.56E-07	1.85E-08	4.71E-07
2623	565211.7	4222040	1.84E-06	2.25E-06	1.18E-07	4.21E-06	9.76E-07	2.46E-06	1.18E-07	3.56E-06	2.42E-07	4.39E-07	3.88E-08	7.20E-07	1.87E-07	2.45E-07	1.77E-08	4.49E-07
2624	565061.1	4222270	4.46E-06	5.44E-06	2.87E-07	1.02E-05	2.36E-06	5.97E-06	2.87E-07	8.62E-06	5.85E-07	1.06E-06	9.39E-08	1.74E-06	4.53E-07	5.92E-07	4.28E-08	1.09E-06
2625	565062.2	4222279	4.51E-06	5.51E-06	2.90E-07	1.03E-05	2.39E-06	6.04E-06	2.90E-07	8.72E-06	5.93E-07	1.08E-06	9.50E-08	1.76E-06	4.59E-07	5.99E-07	4.34E-08	1.10E-06
2626	565063.3	4222288	4.55E-06	5.56E-06	2.93E-07	1.04E-05	2.41E-06	6.10E-06	2.93E-07	8.81E-06	5.98E-07	1.09E-06	9.59E-08	1.78E-06	4.63E-07	6.05E-07	4.38E-08	1.11E-06
2627	565064.4	4222297	4.58E-06	5.6E-06	2.95E-07	1.05E-05	2.43E-06	6.14E-06	2.95E-07	8.86E-06	6.02E-07	1.09E-06	9.65E-08	1.79E-06	4.66E-07	6.09E-07	4.40E-08	1.12E-06
2628	565065.5	4222305	4.6E-06	5.62E-06	2.96E-07	1.05E-05	2.44E-06	6.16E-06	2.96E-07	8.89E-06	6.04E-07	1.10E-06	9.69E-08	1.80E-06	4.68E-07	6.11E-07	4.42E-08	1.12E-06
2629	565066.6	4222314	4.61E-06	5.63E-06	2.96E-07	1.05E-05	2.44E-06	6.17E-06	2.96E-07	8.91E-06	6.05E-07	1.10E-06	9.70E-08	1.80E-06	4.68E-07	6.12E-07	4.43E-08	1.12E-06
2630	565067.7	4222323	4.6E-06	5.62E-06	2.96E-07	1.05E-05	2.44E-06	6.16E-06	2.96E-07	8.89E-06	6.04E-07	1.10E-06	9.69E-08	1.80E-06	4.67E-07	6.11E-07	4.42E-08	1.12E-06
2631	565052.9	4222254	4.21E-06	5.15E-06	2.71E-07	9.63E-06	2.23E-06	5.64E-06	2.71E-07	8.15E-06	5.53E-07	1.01E-06	8.87E-08	1.65E-06	4.28E-07	5.60E-07	4.05E-08	1.03E-06
2632	565058.1	4222237	4.17E-06	5.1E-06	2.69E-07	9.54E-06	2.21E-06	5.59E-06	2.69E-07	8.07E-06	5.48E-07	9.95E-07	8.79E-08	1.63E-06	4.24E-07	5.54E-07	4.01E-08	1.02E-06
2633	565063.3	4222220	4.08E-06	4.98E-06	2.63E-07	9.32E-06	2.16E-06	5.46E-06	2.63E-07	7.89E-06	5.36E-07	9.73E-07	8.59E-08	1.59E-06	4.15E-07	5.42E-07	3.92E-08	9.96E-07
2634	565068.5	4222203	3.94E-06	4.81E-06	2.53E-07	9.00E-06	2.09E-06	5.27E-06	2.53E-07	7.61E-06	5.17E-07	9.40E-07	8.29E-08	1.54E-06	4.00E-07	5.23E-07	3.78E-08	9.61E-07
2635	565079	4222169	3.54E-06	4.32E-06	2.28E-07	8.09E-06	1.88E-06	4.74E-06	2.28E-07	6.85E-06	4.65E-07	8.45E-07	7.46E-08	1.38E-06	3.60E-07	4.70E-07	3.40E-08	8.64E-07
2636	565084.2	4222153	3.3E-06	4.04E-06	2.13E-07	7.55E-06	1.75E-06	4.42E-06	2.13E-07	6.39E-06	4.34E-07	7.88E-07	6.96E-08	1.29E-06	3.36E-07	4.39E-07	3.17E-08	8.07E-07
2637	565089.4	4222136	3.06E-06	3.74E-06	1.97E-07	6.99E-06	1.62E-06	4.09E-06	1.97E-07	5.91E-06	4.02E-07	7.30E-07	6.44E-08	1.20E-06	3.11E-07	4.06E-07	2.94E-08	7.46E-07

2638	565099.9	4222102	2.57E-06	3.14E-06	1.65E-07	5.88E-06	1.36E-06	3.44E-06	1.65E-07	4.97E-06	3.38E-07	6.13E-07	5.42E-08	1.01E-06	2.61E-07	3.42E-07	2.47E-08	6.28E-07
2639	565105.1	4222085	2.34E-06	2.86E-06	1.51E-07	5.36E-06	1.24E-06	3.14E-06	1.51E-07	4.53E-06	3.08E-07	5.59E-07	4.94E-08	9.16E-07	2.38E-07	3.11E-07	2.25E-08	5.72E-07
2640	565115.7	4222073	2.2E-06	2.69E-06	1.42E-07	5.04E-06	1.17E-06	2.95E-06	1.42E-07	4.26E-06	2.89E-07	5.26E-07	4.64E-08	8.61E-07	2.24E-07	2.93E-07	2.12E-08	5.38E-07
2641	565131.8	4222066	2.13E-06	2.6E-06	1.37E-07	4.87E-06	1.13E-06	2.85E-06	1.37E-07	4.12E-06	2.80E-07	5.09E-07	4.49E-08	8.33E-07	2.17E-07	2.83E-07	2.05E-08	5.20E-07
2642	565147.8	4222059	2.05E-06	2.51E-06	1.32E-07	4.70E-06	1.09E-06	2.75E-06	1.32E-07	3.97E-06	2.70E-07	4.90E-07	4.33E-08	8.03E-07	2.09E-07	2.73E-07	1.97E-08	5.01E-07
2643	565179.9	4222044	1.89E-06	2.31E-06	1.22E-07	4.32E-06	1.00E-06	2.53E-06	1.22E-07	3.66E-06	2.48E-07	4.51E-07	3.98E-08	7.40E-07	1.92E-07	2.51E-07	1.82E-08	4.62E-07
2644	565195.9	4222037	1.81E-06	2.21E-06	1.17E-07	4.14E-06	9.60E-07	2.42E-06	1.17E-07	3.50E-06	2.38E-07	4.32E-07	3.81E-08	7.08E-07	1.84E-07	2.41E-07	1.74E-08	4.42E-07
2645	565212	4222030	1.73E-06	2.11E-06	1.11E-07	3.95E-06	9.17E-07	2.31E-06	1.11E-07	3.34E-06	2.27E-07	4.13E-07	3.64E-08	6.76E-07	1.76E-07	2.30E-07	1.66E-08	4.22E-07
2646	565051.3	4222271	4.27E-06	5.22E-06	2.75E-07	9.77E-06	2.27E-06	5.72E-06	2.75E-07	8.26E-06	5.61E-07	1.02E-06	9.00E-08	1.67E-06	4.34E-07	5.68E-07	4.11E-08	1.04E-06
2647	565052.4	4222280	4.32E-06	5.28E-06	2.78E-07	9.88E-06	2.29E-06	5.79E-06	2.78E-07	8.36E-06	5.68E-07	1.03E-06	9.10E-08	1.69E-06	4.39E-07	5.74E-07	4.15E-08	1.05E-06
2648	565053.5	4222289	4.36E-06	5.32E-06	2.81E-07	9.96E-06	2.31E-06	5.84E-06	2.81E-07	8.43E-06	5.72E-07	1.04E-06	9.18E-08	1.70E-06	4.43E-07	5.79E-07	4.19E-08	1.06E-06
2649	565055.7	4222307	4.39E-06	5.37E-06	2.83E-07	1.00E-05	2.33E-06	5.88E-06	2.83E-07	8.50E-06	5.77E-07	1.05E-06	9.26E-08	1.72E-06	4.47E-07	5.84E-07	4.22E-08	1.07E-06
2650	565056.8	4222316	4.4E-06	5.37E-06	2.83E-07	1.00E-05	2.33E-06	5.89E-06	2.83E-07	8.50E-06	5.77E-07	1.05E-06	9.26E-08	1.72E-06	4.47E-07	5.84E-07	4.22E-08	1.07E-06
2651	565057.9	4222325	4.39E-06	5.36E-06	2.82E-07	1.00E-05	2.33E-06	5.87E-06	2.82E-07	8.48E-06	5.76E-07	1.05E-06	9.24E-08	1.72E-06	4.46E-07	5.83E-07	4.21E-08	1.07E-06
2652	565043.1	4222255	4.05E-06	4.95E-06	2.61E-07	9.27E-06	2.15E-06	5.43E-06	2.61E-07	7.84E-06	5.32E-07	9.67E-07	8.54E-08	1.58E-06	4.12E-07	5.39E-07	3.89E-08	9.89E-07
2653	565048.3	4222238	4.02E-06	4.91E-06	2.59E-07	9.20E-06	2.13E-06	5.39E-06	2.59E-07	7.78E-06	5.28E-07	9.60E-07	8.47E-08	1.57E-06	4.09E-07	5.34E-07	3.87E-08	9.82E-07
2654	565053.5	4222221	3.95E-06	4.82E-06	2.54E-07	9.02E-06	2.09E-06	5.28E-06	2.54E-07	7.63E-06	5.18E-07	9.41E-07	8.31E-08	1.54E-06	4.01E-07	5.24E-07	3.79E-08	9.63E-07
2655	565058.7	4222204	3.82E-06	4.67E-06	2.46E-07	8.74E-06	2.03E-06	5.12E-06	2.46E-07	7.39E-06	5.02E-07	9.12E-07	8.05E-08	1.49E-06	3.89E-07	5.08E-07	3.67E-08	9.33E-07
2656	565069.1	4222171	3.47E-06	4.23E-06	2.23E-07	7.92E-06	1.84E-06	4.64E-06	2.23E-07	6.70E-06	4.55E-07	8.27E-07	7.30E-08	1.36E-06	3.52E-07	4.61E-07	3.33E-08	8.46E-07
2657	565074.3	4222154	3.25E-06	3.97E-06	2.09E-07	7.43E-06	1.72E-06	4.35E-06	2.09E-07	6.28E-06	4.27E-07	7.76E-07	6.85E-08	1.27E-06	3.30E-07	4.32E-07	3.12E-08	7.93E-07
2658	565079.5	4222137	3.02E-06	3.69E-06	1.95E-07	6.91E-06	1.60E-06	4.05E-06	1.95E-07	5.84E-06	3.97E-07	7.21E-07	6.36E-08	1.18E-06	3.07E-07	4.01E-07	2.90E-08	7.38E-07
2659	565095.1	4222087	2.34E-06	2.86E-06	1.51E-07	5.36E-06	1.24E-06	3.14E-06	1.51E-07	4.53E-06	3.08E-07	5.59E-07	4.94E-08	9.16E-07	2.38E-07	3.11E-07	2.25E-08	5.72E-07
2660	565108.3	4222067	2.11E-06	2.57E-06	1.36E-07	4.82E-06	1.12E-06	2.82E-06	1.36E-07	4.08E-06	2.77E-07	5.03E-07	4.44E-08	8.24E-07	2.14E-07	2.80E-07	2.03E-08	5.14E-07
2661	565124.3	4222060	2.04E-06	2.49E-06	1.31E-07	4.66E-06	1.08E-06	2.73E-06	1.31E-07	3.95E-06	2.68E-07	4.87E-07	4.30E-08	7.98E-07	2.07E-07	2.71E-07	1.96E-08	4.98E-07
2662	565140.3	4222052	1.97E-06	2.4E-06	1.27E-07	4.50E-06	1.04E-06	2.64E-06	1.27E-07	3.81E-06	2.59E-07	4.70E-07	4.15E-08	7.70E-07	2.00E-07	2.61E-07	1.89E-08	4.80E-07
2663	565172.3	4222038	1.82E-06	2.22E-06	1.17E-07	4.15E-06	9.63E-07	2.43E-06	1.17E-07	3.51E-06	2.38E-07	4.33E-07	3.82E-08	7.10E-07	1.85E-07	2.41E-07	1.74E-08	4.43E-07
2664	565188.2	4222031	1.74E-06	2.12E-06	1.12E-07	3.98E-06	9.22E-07	2.33E-06	1.12E-07	3.36E-06	2.28E-07	4.15E-07	3.66E-08	6.80E-07	1.77E-07	2.31E-07	1.67E-08	4.25E-07
2665	565204.2	4222024	1.66E-06	2.03E-06	1.07E-07	3.80E-06	8.82E-07	2.23E-06	1.07E-07	3.22E-06	2.19E-07	3.97E-07	3.50E-08	6.51E-07	1.69E-07	2.21E-07	1.60E-08	4.06E-07
2666	565041.6	4222272	4.1E-06	5.01E-06	2.64E-07	9.38E-06	2.18E-06	5.49E-06	2.64E-07	7.93E-06	5.39E-07	9.79E-07	8.64E-08	1.60E-06	4.17E-07	5.45E-07	3.94E-08	1.00E-06
2667	565042.7	4222281	4.14E-06	5.06E-06	2.67E-07	9.47E-06	2.20E-06	5.55E-06	2.67E-07	8.01E-06	5.44E-07	9.89E-07	8.73E-08	1.62E-06	4.21E-07	5.51E-07	3.98E-08	1.01E-06
2668	565043.8	4222290	4.17E-06	5.1E-06	2.69E-07	9.54E-06	2.21E-06	5.59E-06	2.69E-07	8.07E-06	5.48E-07	9.96E-07	8.79E-08	1.63E-06	4.24E-07	5.55E-07	4.01E-08	1.02E-06
2669	565044.8	4222299	4.19E-06	5.12E-06	2.70E-07	9.59E-06	2.22E-06	5.62E-06	2.70E-07	8.11E-06	5.51E-07	1.00E-06	8.83E-08	1.64E-06	4.26E-07	5.57E-07	4.03E-08	1.02E-06
2670	565045.9	4222308	4.2E-06	5.13E-06	2.71E-07	9.61E-06	2.23E-06	5.63E-06	2.71E-07	8.13E-06	5.52E-07	1.00E-06	8.85E-08	1.64E-06	4.27E-07	5.58E-07	4.04E-08	1.03E-06
2671	565047	4222317	4.2E-06	5.13E-06	2.70E-07	9.60E-06	2.23E-06	5.63E-06	2.70E-07	8.12E-06	5.52E-07	1.00E-06	8.85E-08	1.64E-06	4.27E-07	5.58E-07	4.04E-08	1.03E-06
2672	565048.1	4222326	4.19E-06	5.12E-06	2.70E-07	9.58E-06	2.22E-06	5.61E-06	2.70E-07	8.10E-06	5.50E-07	9.99E-07	8.82E-08	1.64E-06	4.26E-07	5.57E-07	4.03E-08	1.02E-06
2673	565033.3	4222256	3.9E-06	4.77E-06	2.51E-07	8.92E-06	2.07E-06	5.22E-06	2.51E-07	7.54E-06	5.12E-07	9.31E-07	8.22E-08	1.53E-06	3.97E-07	5.18E-07	3.75E-08	9.52E-07
2674	565038.5	4222239	3.88E-06	4.74E-06	2.50E-07	8.87E-06	2.06E-06	5.20E-06	2.50E-07	7.50E-06	5.10E-07	9.26E-07	8.17E-08	1.52E-06	3.94E-07	5.16E-07	3.73E-08	9.47E-07
2675	565043.7	4222223	3.82E-06	4.66E-06	2.46E-07	8.73E-06	2.02E-06	5.11E-06	2.46E-07	7.38E-06	5.01E-07	9.11E-07	8.04E-08	1.49E-06	3.88E-07	5.07E-07	3.67E-08	9.32E-07
2676	565048.9	4222206	3.71E-06	4.53E-06	2.39E-07	8.48E-06	1.97E-06	4.97E-06	2.39E-07	7.18E-06	4.87E-07	8.85E-07	7.82E-08	1.45E-06	3.77E-07	4.93E-07	3.57E-08	9.06E-07
2677	565059.3	4222172	3.39E-06	4.14E-06	2.18E-07	7.75E-06	1.80E-06	4.54E-06	2.18E-07	6.56E-06	4.46E-07	8.09E-07	7.15E-08	1.33E-06	3.45E-07	4.51E-07	3.26E-08	8.28E-07
2678	565064.4	4222156	3.19E-06	3.9E-06	2.06E-07	7.30E-06	1.69E-06	4.28E-06	2.06E-07	6.18E-06	4.20E-07	7.62E-07	6.73E-08	1.25E-06	3.25E-07	4.24E-07	3.07E-08	7.80E-07
2679	565069.6	4222139	2.98E-06	3.64E-06	1.92E-07	6.82E-06	1.58E-06	3.99E-06	1.92E-07	5.77E-06	3.92E-07	7.12E-07	6.28E-08	1.17E-06	3.03E-07	3.96E-07	2.87E-08	7.28E-07
2680	565074.8	4222122	2.77E-06	3.38E-06	1.78E-07	6.32E-06	1.47E-06	3.70E-06	1.78E-07	5.35E-06	3.63E-07	6.60E-07	5.82E-08	1.08E-06	2.81E-07	3.67E-07	2.66E-08	6.75E-07
2681	565090.4	4222072	2.14E-06	2.62E-06	1.38E-07	4.90E-06	1.14E-06	2.87E-06	1.38E-07	4.14E-06	2.81E-07	5.11E-07	4.51E-08	8.38E-07	2.18E-07	2.85E-07	2.06E-08	5.23E-07
2682	565100.9	4222060	2.02E-06	2.47E-06	1.30E-07	4.62E-06	1.07E-06	2.70E-06	1.30E-07	3.90E-06	2.65E-07	4.82E-07	4.25E-08	7.89E-07	2.05E-07	2.68E-07	1.94E-08	4.93E-07
2683	565116.9	4222053	1.96E-06	2.39E-06	1.26E-07	4.47E-06	1.04E-06	2.62E-06	1.26E-07	3.78E-06	2.57E-07	4.67E-07	4.12E-08	7.65E-07	1.99E-07	2.60E-07	1.88E-08	4.77E-07
2684	565132.8	4222046	1.89E-06	2.31E-06	1.22E-07	4.32E-06	1.00E-06	2.53E-06	1.22E-07	3.65E-06	2.48E-07	4.51E-07	3.98E-08	7.38E-07	1.92E-07	2.51E-07	1.81E-08	4.61E-07
2685	565148.7	4222039	1.82E-06	2.22E-06	1.17E-07	4.15E-06	9.63E-07	2.43E-06	1.17E-07	3.51E-06	2.39E-07	4.34E-07	3.83E-08	7.11E-07	1.85E-07	2.41E-07	1.75E-08	4.44E-07
2686	565180.6	4222024	1.67E-06	2.04E-06	1.08E-07	3.83E-06	8.87E-07	2.24E-06	1.08E-07	3.24E-06	2.20E-07	3.99E-07	3.52E-08	6.54E-07	1.70E-07	2.22E-07	1.61E-08	4.08E-07
2687	565196.5	4222017	1.6E-06	1.96E-06	1.03E-07	3.66E-06	8.50E-07	2.15E-06	1.03E-07	3.10E-06	2.10E-07	3.82E-07	3.38E-08	6.27E-07	1.63E-07	2.13E-07	1.54E-08	3.91E-07
2688	565212.4	4222010	1.53E-06	1.87E-06	9.88E-08	3.51E-06	8.14E-07	2.05E-06	9.88E-08	2.97E-06	2.02E-07	3.66E-07	3.23E-08	6.00E-07	1.56E-07	2.04E-07	1.47E-08	3.75E-07
2689	565031.8	4222273	3.94E-06	4.81E-06	2.54E-07	9.01E-06	2.09E-06	5.28E-06	2.54E-07	7.62E-06	5.18E-07	9.40E-07	8.30E-08	1.54E-06	4.01E-07	5.24E-07	3.79E-08	9.62E-07
2690	565032.9	4222282	3.98E-06	4.86E-06	2.56E-07	9.09E-06	2.11E-06	5.33E-06	2.56E-07	7.69E-06	5.22E-07	9.49E-07	8.38E-08	1.55E-06	4.04E-07	5.28E-07	3.82E-08	9.71E-07
2691	565034	4222291	4E-06	4.89E-06	2.58E-07	9.15E-06	2.12E-06	5.36E-06	2.58E-07	7.74E-06	5.26E-07	9.55E-07	8.43E-08	1.57E-06	4.07E-07	5.32E-07	3.85E-08	9.77E-07
2692	565035.1	4222300	4.02E-06	4.91E-06	2.59E-07	9.19E-06	2.13E-06	5.38E-06	2.59E-07	7.77E-06	5.28E-07	9.59E-07	8.46E-08	1.57E-06	4.08E-07	5.34E-07	3.86E-08	9.81E-07
2693	565036.2	4222309	4.02E-06	4.92E-06	2.59E-07	9.20E-06	2.13E-06	5.39E-06	2.59E-07	7.78E-06	5.29E-07	9.60E-07	8.48E-08	1.57E-06	4.09E-07	5.35E-07	3.87E-08	9.82E-07
2694	565037.3	4222318	4.02E-06	4.91E-06	2.59E-07	9.19E-06	2.13E-06	5.38E-06	2.59E-07	7.77E-06	5.28E-07	9.59E-07	8.47E-08	1.57E-06	4.09E-07	5.34E-07	3.86E-08	9.81E-07
2695	565038.4	4222327	4.01E-06	4.89E-06	2.58E-07	9.16E-06	2.12E-06	5.36E-06	2.58E-07	7.75E-06	5.26E-07	9.56E-07	8.44E-08	1.57E-06	4.07E-07	5.32E-07	3.85E-08	9.78E-07
2696	565023.5	4222257	3.76E-06	4.59E-06	2.42E-07	8.59E-06	1.99E-06	5.03E-06	2.42E-07	7.27E-06	4.94E-07	8.97E-07	7.92E-08	1.47E-06	3.82E-07	4.99E-07	3.61E-08	9.17E-07
2697	565028.7	4222241	3.75E-06	4.58E-06	2.41E-07	8.56E-06	1.99E-06	5.02E-06	2.41E-07	7.24E-06	4.92E-07	8.94E-07	7.89E-08	1.46E-06	3.81E-07	4.98E-07	3.60E-08	9.14E-07
2698	565033.9	4222224	3.69E-06	4.51E-06	2.38E-07	8.44E-06	1.96E-06	4.95E-06	2.38E-07	7.14E-06	4.85E-07	8.81E-07	7.78E-08	1.44E-06	3.75E-07	4.91E-07	3.55E-08	9.02E-07
2699	565039.1	4222207	3.6E-06	4.4E-06	2.32E-07	8.23E-06	1.91E-06	4.82E-06	2.32E-07	6.97E-06	4.73E-07	8.60E-07	7.59E-08	1.41E-06	3.66E-07	4.79E-07	3.46E-08	8.79E-07
2700	565049.4	4222174	3.32E-06	4.05E-06	2.14E-07	7.58E-06	1.76E-06	4.44E-06	2.14E-07	6.41E-06	4.36E-07	7.92E-07	6.99E-08	1.30E-06	3.37E-07	4.41E-07	3.19E-08	8.10E-07
2701	565054.6	4222157	3.14E-06	3.83E-06	2.02E-07	7.17E-06	1.66E-06	4.20E-06	2.02E-07	6.07E-06	4.12E-07	7.48E-07	6.61E-08	1.23E-06	3.19E-07	4.17E-07	3.01E-08	7.66E-07
2702	565059.7	4222141	2.94E-06	3.59E-06	1.89E-07	6.72E-06	1.56E-06	3.94E-06	1.89E-07	5.69E-06	3.86E-07	7.02E-07	6.19E-08	1.15E-06	2.99E-07	3.91E-07	2.83E-08	7.18E-07
2703	565064.9	4222124	2.74E-06	3.34E-06	1.76E-07	6.26E-06	1.45E-06	3.67E-06	1.76E-07	5.29E-06	3.59E-07	6.53E-07	5.77E-08	1.07E-06	2.78E-07	3.64E-07	2.63E-08	6.68E-07
2704	565075.3	4222091	2.33E-06	2.85E-06	1.50E-07	5.33E-06	1.24E-06	3.12E-06	1.50E-07	4.51E-06	3.06E-07	5.57E-07	4.91E-08	9.12E-07	2.37E-07	3.10E-07	2.24E-08	5.70E-07
2705	565093.5	4222054	1.94E-06	2.36E-06	1.25E-07	4.43E-06	1.03E-06	2.59E-06	1.25E-07	3.74E-06	2.54E-07	4.62E-07	4.08E-08	7.57E-07	1.97E-07	2.57E-07	1.86E-08	4.73E-07
2706	565109.4	4222047	1.88E-06	2.29E-06	1.21E-07	4.29E-06	9.95E-07	2.51E-06	1.21E-07	3.63E-06	2.46E-07	4.48E-07	3.95E-08	7.34E-07	1.91E-07	2.49E-07	1.80E-08	4.58E-07
2707	565125.3	4222040	1.81E-06	2.21E-06	1.17E-07	4.14E-06	9.61E-07	2.43E-06	1.17E-07	3.51E-06	2.38E-07	4.33E-07	3.82E-08	7.09E-07	1.84E-07	2.41E-07	1.74E-08	4.43E-07
2708	565141.2	4222032	1.75E-06	2.13E-06	1.12E-07	3.99E-06	9.26E-07	2.34E-06	1.12E-07	3.38E-06	2.29E-07	4.17E-07	3.68E-08	6.83E-07	1.78E-07	2.32E-07	1.68E-08	4.26E-07
2709	565172.9	4222018	1.61E-06	1.97E-06	1.04E-07	3.68E-06	8.54E-07	2.16E-06	1.04E-07	3.12E-06	2.12E-07	3.84E-07	3.39E-08	6.30E-07	1.64E-07	2.14E-07	1.55E-08	3.93E-07
2710	565188.8	4222011	1.54E-06	1.89E-06	9.94E-08	3.53E-06	8.19E-07	2.07E-06	9.94E-08	2.99E-06	2.03E-07	3.69E-07	3.25E-08	6.04E-07	1.57E-07	2.05E-07	1.48E-08	3.77E-07
2711	565204.7	4222004	1.48E-06	1.81E-06	9.53E-08	3.38E-06	7.85E-07	1.98E-06	9.53E-08	2.86E-06	1.94E-07	3.53E-07	3.12E-08	5.79E-07	1.50E-07	1.97E-07	1.42E-08	3.61E-07
2712	565022	4222274	3.79E-06	4.63E-06	2.44E-07	8.66E-06	2.01E-06	5.07E-06	2.44E-07	7.33E-06	4.98E-07	9.04E-07	7.98E-08	1.48E-06	3.85E-07	5.03E-07	3.64E-08	9.25E-07
2713	565023.1	4222283	3.82E-06	4.67E-06	2.46E-07	8.73E-06	2.03E-06	5.11E-06	2.46E-07	7.39E-06	5.02E-07	9.11E-07	8.05E-08	1.49E-06	3.88E-07	5.07E-07	3.67E-08	9.32E-07
2714	565024.2	4222292	3.84E-06	4.69E-06	2.47E-07	8.78E-06	2.04E-06	5.14E-06	2.47E-07	7.43E-06	5.05E-07	9.17E-07	8.09E-08	1.50E-06	3.90E-07	5.10E-07	3.69E-08	9.38E-07
2715	565025.3	4222301	3.85E-06	4.71E-06	2.48E-07	8.81E-06	2.04E-06	5.16E-06	2.48E-07	7.45E-06	5.06E-07	9.20E-07	8.12E-08	1.51E-06	3.92E-07	5.12E-07	3.70E-08	9.41E-07
2716	565027.5	4222319	3.85E-06	4.7E-06	2.48E-07	8.80E-06	2.04E-06	5.16E-06	2.48E-07	7.45E-06	5.06E-07	9.19E-07	8.11E-08	1.51E-06	3.91E-07	5.12E-07	3.70E-08	9.40E-07
2717	565028.6	4222328	3.84E-06	4.69E-06	2.47E-07	8.77E-06	2.03E-06	5.14E-06	2.47E-07	7.42E-06	5.04E-07	9.15E-07	8.08E-08	1.50E-06	3.90E-07	5.10E-07	3.69E-08	9.36E-07
2718	565013.8	4222258	3.62E-06	4.42E-06	2.33E-07	8.28E-06	1.92E-06	4.85E-06	2.33E-07	7.00E-06	4.76E-07	8.64E-07	7.63E-08	1.42E-06	3.68E-07	4.81E-07	3.48E-08	8.84E-07
2719	565018.9	4222242	3.62E-06	4.42E-06	2.33E-07	8.27E-06	1.92E-06	4.84E-06	2.33E-07	6.99E-06	4.75E-07	8.63E-07	7.62E-08	1.41E-06	3.68E-07	4.81E-07	3.48E-08	8.83E-07
2720	565024.1	4222225	3.58E-06	4.37E-06	2.30E-07	8.17E-06	1.90E-06	4.79E-06	2.30E-07	6.91E-06	4.70E-07	8.53E-07	7.53E-08	1.40E-06	3.63E-07	4.75E-07	3.44E-08	8.73E-07
2721	565029.2	4222209	3.5E-06	4.27E-06	2.25E-07	7.99E-06	1.85E-06	4.68E-06	2.25E-07	6.76E-06	4.59E-07	8.34E-07	7.36E-08	1.37E-06	3.55E-07	4.65E-07	3.36E-08	8.54E-07
2722	565039.6	4222175	3.24E-06	3.96E-06	2.09E-07	7.41E-06	1.72E-06	4.34E-06	2.09E-07	6.27E-06	4.26E-07	7.74E-07	6.83E-08	1.27E-06	3.30E-07	4.31E-07	3.12E-08	7.92E-07
2723	565044.7	4222159	3.08E-06	3.76E-06	1.98E-07	7.04E-06	1.63E-06	4.12E-06	1.98E-07	5.95E-06	4.04E-07	7.34E-07	6.48E-08	1.20E-06	3.13E-07	4.09E-07	2.96E-08	7.51E-07
2724	565049.9	4222142	2.9E-06	3.54E-06	1.86E-07	6.62E-06	1.54E-06	3.88E-06	1.86E-07	5.60E-06	3.80E-07	6.91E-07	6.10E-08	1.13E-06	2.94E-07	3.85E-07	2.78E-08	7.07E-07
2725	565055	4222126	2.71E-06	3.31E-06	1.74E-07	6.19E-06	1.44E-06	3.62E-06	1.74E-07	5.23E-06	3.55E-07	6.46E-07	5.70E-08	1.06E-06	2.75E-07	3.60E-07	2.60E-08	6.61E-07
2726	565065.3	4222092	2.32E-06	2.84E-06	1.50E-07	5.31E-06	1.23E-06	3.11E-06	1.50E-07	4.49E-06	3.05E-07	5.54E-07	4.89E-08	9.09E-07	2.36E-07	3.09E-07	2.23E-08	5.67E-07
2727	565070.5	4222076	2.14E-06	2.61E-06	1.38E-07	4.89E-06	1.13E-06	2.87E-06	1.38E-07	4.14E-06	2.81E-07	5.11E-07	4.51E-08	8.37E-07	2.18E-07	2.84E-07	2.06E-08	5.22E-07
2728	565075.6	4222059	1.97E-06	2.4E-06	1.27E-07	4.50E-06	1.04E-06	2.63E-06	1.27E-07	3.80E-06	2.58E-07	4.69E-07	4.14E-08	7.69E-07	2.00E-07	2.61E-07	1.89E-08	4.80E-07
2729	565102	4222040	1.8E-06	2.2E-06	1.16E-07	4.12E-06	9.56E-07	2.41E-06	1.16E-07	3.49E-06	2.37E-07	4.30E-07	3.80E-08	7.05E-07	1.83E-07	2.39E-07	1.73E-08	4.40E-07
2730	565117.8	4222033	1.74E-06	2.13E-06	1.12E-07	3.98E-06	9.24E-07	2.33E-06	1.12E-07	3.37E-06	2.29E-07	4.16E-07	3.67E-08	6.81E-07	1.77E-07	2.32E-07	1.67E-08	4.25E-07
2731	565133.6	4222026	1.68E-06	2.05E-06	1.08E-07	3.84E-06	8.91E-07	2.25E-06	1.08E-07	3.25E-06	2.21E-07	4.01E-07	3.54E-08	6.57E-07	1.71E-07	2.23E-07	1.61E-08	4.10E-07
2732	565149.5	4222019	1.62E-06	1.97E-06	1.04E-07	3.70E-06	8.57E-07	2.16E-06	1.04E-07	3.13E-06	2.12E-07	3.86E-07	3.41E-08	6.32E-07	1.64E-07	2.15E-07	1.55E-08	3.95E-07
2733	565181.1	4222004	1.49E-06	1.82E-06	9.59E-08	3.41E-06	7.90E-07	2.00E-06	9.59E-08	2.88E-06	1.96E-07	3.56E-07	3.14E-08	5.83E-07	1.51E-07	1.98E-07	1.43E-08	3.64E-07
2734	565197	4221997	1.43E-06	1.75E-06	9.20E-08	3.27E-06	7.58E-07	1.91E-06	9.20E-08	2.76E-06	1.88E-07	3.41E-07	3.01E-08	5.59E-07	1.45E-07	1.90E-07	1.37E-08	3.49E-07
2735	565012.3	4222276	3.65E-06	4.45E-06	2.35E-07	8.33E-06	1.93E-06	4.88E-06	2.35E-07	7.05E-06	4.79E-07	8.70E-07	7.68E-08	1.43E-06	3.71E-07	4.84E-07	3.50E-08	8.90E-07
2736	565013.4	4222285	3.67E-06	4.49E-06	2.36E-07	8.39E-06	1.95E-06	4.92E-06	2.36E-07	7.10E-06	4.82E-07	8.76E-07	7.73E-08	1.44E-06	3.73E-07	4.88E-07	3.53E-08	8.96E-07
2737	565014.5	4222294	3.69E-06	4.51E-06	2.38E-07	8.43E-06	1.96E-06	4.94E-06	2.38E-07	7.13E-06	4.85E-07	8.80E-07	7.77E-08	1.44E-06	3.75E-07	4.90E-07	3.55E-08	9.01E-07
2738	565015.5	4222302	3.7E-06	4.52E-06	2.38E-07	8.46E-06	1.96E-06	4.95E-06	2.38E-07	7.15E-06	4.86E-07	8.83E-07	7.79E-08	1.45E-06	3.76E-07	4.91E-07	3.55E-08	9.03E-07
2739	565016.6	4222311	3.7E-06	4.52E-06	2.38E-07	8.46E-06	1.96E-06	4.95E-06	2.38E-07	7.15E-06	4.86E-07	8.83E-07	7.79E-08	1.45E-06	3.76E-07	4.92E-07	3.56E-08	9.03E-07
2740	565004.1	4222259	3.49E-06	4.27E-06	2.25E-07	7.99E-06	1.85E-06	4.68E-06	2.25E-07	6.76E-06	4.59E-07	8.34E-07	7.36E-08	1.37E-06	3.55E-07	4.64E-07	3.36E-08	8.53E-07
2741	565006.8	4222251	3.5E-06	4.27E-06	2.25E-07	8.00E-06	1.85E-06	4.68E-06	2.25E-07	6.76E-06	4.59E-07	8.35E-07	7.37E-08	1.37E-06	3.55E-07	4.65E-07	3.36E-08	8.54E-07
2742	565012.1	4222233	3.48E-06	4.25E-06	2.24E-07	7.95E-06	1.84E-06	4.66E-06	2.24E-07	6.73E-06	4.57E-07	8.30E-07	7.33E-08	1.36E-06	3.54E-07	4.62E-07	3.34E-08	8.49E-07
2743	565017.4	4222216	3.42E-06	4.18E-06	2.20E-07	7.83E-06	1.82E-06	4.58E-06	2.20E-07	6.62E-06	4.50E-07	8.17E-07	7.21E-08	1.34E-06	3.48E-07	4.55E-07	3.29E-08	8.36E-07
2744	565033.5	4222165	3.06E-06	3.74E-06	1.97E-07	7.00E-06	1.62E-06	4.10E-06	1.97E-07	5.92E-06	4.02E-07	7.30E-07	6.45E-08	1.20E-06	3.11E-07	4.07E-07	2.94E-08	7.47E-07
2745	565038.8	4222148	2.89E-06	3.53E-06	1.86E-07	6.61E-06	1.53E-06	3.87E-06	1.86E-07	5.59E-06	3.80E-07	6.90E-07	6.09E-08	1.13E-06	2.94E-07	3.84E-07	2.78E-08	7.06E-07
2746	565044.1	4222130	2.71E-06	3.31E-06	1.74E-07	6.19E-06	1.44E-06	3.63E-06	1.74E-07	5.24E-06	3.56E-07	6.46E-07	5.70E-08	1.06E-06	2.75E-07	3.60E-07	2.60E-08	6.61E-07
2747	565054.8	4222096	2.33E-06	2.85E-06	1.50E-07	5.33E-06	1.24E-06	3.12E-06	1.50E-07	4.51E-06	3.06E-07	5.56E-07	4.91E-08	9.12E-07	2.37E-07	3.10E-07	2.24E-08	5.69E-07

2748	565060.2	4222079	2.15E-06	2.62E-06	1.38E-07	4.91E-06	1.14E-06	2.88E-06	1.38E-07	4.16E-06	2.82E-07	5.13E-07	4.53E-08	8.40E-07	2.18E-07	2.85E-07	2.06E-08	5.25E-07
2749	565062.8	4222070	2.06E-06	2.52E-06	1.33E-07	4.71E-06	1.09E-06	2.76E-06	1.33E-07	3.98E-06	2.71E-07	4.92E-07	4.34E-08	8.06E-07	2.09E-07	2.74E-07	1.98E-08	5.03E-07
2750	565068.2	4222053	1.89E-06	2.31E-06	1.22E-07	4.32E-06	1.00E-06	2.53E-06	1.22E-07	3.66E-06	2.48E-07	4.51E-07	3.98E-08	7.39E-07	1.92E-07	2.51E-07	1.82E-08	4.62E-07
2751	565095.4	4222033	1.73E-06	2.11E-06	1.11E-07	3.95E-06	9.17E-07	2.32E-06	1.11E-07	3.34E-06	2.27E-07	4.13E-07	3.64E-08	6.76E-07	1.76E-07	2.30E-07	1.66E-08	4.22E-07
2752	565103.6	4222030	1.7E-06	2.08E-06	1.09E-07	3.89E-06	9.02E-07	2.28E-06	1.09E-07	3.29E-06	2.23E-07	4.06E-07	3.58E-08	6.65E-07	1.73E-07	2.26E-07	1.63E-08	4.15E-07
2753	565120	4222022	1.64E-06	2E-06	1.06E-07	3.75E-06	8.70E-07	2.20E-06	1.06E-07	3.17E-06	2.15E-07	3.91E-07	3.46E-08	6.42E-07	1.67E-07	2.18E-07	1.58E-08	4.01E-07
2754	565136.4	4222015	1.58E-06	1.93E-06	1.02E-07	3.61E-06	8.37E-07	2.11E-06	1.02E-07	3.05E-06	2.07E-07	3.77E-07	3.33E-08	6.17E-07	1.60E-07	2.10E-07	1.52E-08	3.85E-07
2755	565152.8	4222007	1.52E-06	1.85E-06	9.76E-08	3.47E-06	8.04E-07	2.03E-06	9.76E-08	2.93E-06	1.99E-07	3.62E-07	3.19E-08	5.93E-07	1.54E-07	2.01E-07	1.46E-08	3.70E-07
2756	565177.4	4221996	1.42E-06	1.74E-06	9.17E-08	3.26E-06	7.55E-07	1.91E-06	9.17E-08	2.75E-06	1.87E-07	3.40E-07	3.00E-08	5.57E-07	1.45E-07	1.89E-07	1.37E-08	3.48E-07
2757	565193.8	4221989	1.37E-06	1.67E-06	8.79E-08	3.12E-06	7.24E-07	1.83E-06	8.79E-08	2.64E-06	1.79E-07	3.26E-07	2.88E-08	5.34E-07	1.39E-07	1.81E-07	1.31E-08	3.33E-07
2758	565202	4221985	1.34E-06	1.63E-06	8.61E-08	3.06E-06	7.09E-07	1.79E-06	8.61E-08	2.59E-06	1.76E-07	3.19E-07	2.82E-08	5.23E-07	1.36E-07	1.78E-07	1.29E-08	3.27E-07
2759	565002.5	4222277	3.51E-06	4.29E-06	2.26E-07	8.02E-06	1.86E-06	4.70E-06	2.26E-07	6.79E-06	4.61E-07	8.38E-07	7.39E-08	1.37E-06	3.57E-07	4.66E-07	3.37E-08	8.57E-07
2760	565003.6	4222286	3.53E-06	4.32E-06	2.27E-07	8.08E-06	1.87E-06	4.73E-06	2.27E-07	6.83E-06	4.64E-07	8.43E-07	7.44E-08	1.38E-06	3.59E-07	4.69E-07	3.39E-08	8.62E-07
2761	565005.8	4222304	3.55E-06	4.34E-06	2.29E-07	8.12E-06	1.88E-06	4.76E-06	2.29E-07	6.87E-06	4.67E-07	8.48E-07	7.49E-08	1.39E-06	3.61E-07	4.72E-07	3.41E-08	8.68E-07
2762	565006.9	4222313	3.55E-06	4.34E-06	2.29E-07	8.12E-06	1.88E-06	4.76E-06	2.29E-07	6.87E-06	4.67E-07	8.48E-07	7.48E-08	1.39E-06	3.61E-07	4.72E-07	3.41E-08	8.67E-07
2763	564994.3	4222260	3.37E-06	4.12E-06	2.17E-07	7.71E-06	1.79E-06	4.51E-06	2.17E-07	6.52E-06	4.43E-07	8.04E-07	7.10E-08	1.32E-06	3.43E-07	4.48E-07	3.24E-08	8.23E-07
2764	564999.6	4222243	3.38E-06	4.12E-06	2.17E-07	7.72E-06	1.79E-06	4.52E-06	2.17E-07	6.53E-06	4.43E-07	8.06E-07	7.11E-08	1.32E-06	3.43E-07	4.49E-07	3.24E-08	8.24E-07
2765	565005	4222226	3.35E-06	4.09E-06	2.16E-07	7.65E-06	1.78E-06	4.48E-06	2.16E-07	6.47E-06	4.40E-07	7.99E-07	7.05E-08	1.31E-06	3.40E-07	4.45E-07	3.22E-08	8.17E-07
2766	565015.6	4222192	3.19E-06	3.9E-06	2.05E-07	7.30E-06	1.69E-06	4.27E-06	2.05E-07	6.17E-06	4.19E-07	7.62E-07	6.72E-08	1.25E-06	3.24E-07	4.24E-07	3.07E-08	7.79E-07
2767	565020.9	4222175	3.07E-06	3.75E-06	1.98E-07	7.01E-06	1.63E-06	4.11E-06	1.98E-07	5.93E-06	4.03E-07	7.32E-07	6.46E-08	1.20E-06	3.12E-07	4.08E-07	2.95E-08	7.49E-07
2768	565026.2	4222158	2.92E-06	3.57E-06	1.88E-07	6.68E-06	1.55E-06	3.91E-06	1.88E-07	5.65E-06	3.84E-07	6.97E-07	6.16E-08	1.14E-06	2.97E-07	3.88E-07	2.81E-08	7.13E-07
2769	565028.9	4222149	2.84E-06	3.47E-06	1.83E-07	6.50E-06	1.51E-06	3.81E-06	1.83E-07	5.50E-06	3.73E-07	6.78E-07	5.99E-08	1.11E-06	2.89E-07	3.78E-07	2.73E-08	6.94E-07
2770	565034.2	4222132	2.67E-06	3.27E-06	1.72E-07	6.11E-06	1.42E-06	3.58E-06	1.72E-07	5.17E-06	3.51E-07	6.38E-07	5.63E-08	1.05E-06	2.72E-07	3.55E-07	2.57E-08	6.53E-07
2771	565044.9	4222098	2.32E-06	2.83E-06	1.49E-07	5.30E-06	1.23E-06	3.10E-06	1.49E-07	4.48E-06	3.05E-07	5.53E-07	4.88E-08	9.07E-07	2.36E-07	3.08E-07	2.23E-08	5.66E-07
2772	565050.2	4222081	2.14E-06	2.62E-06	1.38E-07	4.90E-06	1.14E-06	2.87E-06	1.38E-07	4.15E-06	2.82E-07	5.12E-07	4.52E-08	8.38E-07	2.18E-07	2.85E-07	2.06E-08	5.23E-07
2773	565055.5	4222064	1.98E-06	2.41E-06	1.27E-07	4.52E-06	1.05E-06	2.65E-06	1.27E-07	3.82E-06	2.59E-07	4.71E-07	4.16E-08	7.72E-07	2.01E-07	2.62E-07	1.90E-08	4.82E-07
2774	565060.8	4222046	1.82E-06	2.22E-06	1.17E-07	4.15E-06	9.63E-07	2.43E-06	1.17E-07	3.51E-06	2.39E-07	4.33E-07	3.83E-08	7.10E-07	1.85E-07	2.41E-07	1.75E-08	4.43E-07
2775	565071.6	4222034	1.72E-06	2.1E-06	1.11E-07	3.92E-06	9.10E-07	2.30E-06	1.11E-07	3.32E-06	2.25E-07	4.10E-07	3.62E-08	6.71E-07	1.74E-07	2.28E-07	1.65E-08	4.19E-07
2776	565096.1	4222023	1.64E-06	2E-06	1.05E-07	3.74E-06	8.68E-07	2.19E-06	1.05E-07	3.17E-06	2.15E-07	3.91E-07	3.45E-08	6.40E-07	1.66E-07	2.18E-07	1.57E-08	4.00E-07
2777	565112.5	4222016	1.58E-06	1.93E-06	1.02E-07	3.61E-06	8.38E-07	2.12E-06	1.02E-07	3.06E-06	2.08E-07	3.77E-07	3.33E-08	6.18E-07	1.61E-07	2.10E-07	1.52E-08	3.86E-07
2778	565120.7	4222012	1.55E-06	1.9E-06	9.99E-08	3.55E-06	8.23E-07	2.08E-06	9.99E-08	3.00E-06	2.04E-07	3.70E-07	3.27E-08	6.07E-07	1.58E-07	2.06E-07	1.49E-08	3.79E-07
2779	565137	4222005	1.49E-06	1.82E-06	9.61E-08	3.41E-06	7.92E-07	2.00E-06	9.61E-08	2.89E-06	1.96E-07	3.56E-07	3.15E-08	5.84E-07	1.52E-07	1.98E-07	1.44E-08	3.65E-07
2780	565153.3	4221997	1.44E-06	1.75E-06	9.24E-08	3.28E-06	7.61E-07	1.92E-06	9.24E-08	2.78E-06	1.88E-07	3.42E-07	3.02E-08	5.61E-07	1.46E-07	1.91E-07	1.38E-08	3.50E-07
2781	565177.8	4221986	1.35E-06	1.65E-06	8.69E-08	3.09E-06	7.16E-07	1.81E-06	8.69E-08	2.61E-06	1.77E-07	3.22E-07	2.84E-08	5.28E-07	1.37E-07	1.79E-07	1.30E-08	3.29E-07
2782	565194.2	4221979	1.3E-06	1.58E-06	8.34E-08	2.96E-06	6.87E-07	1.73E-06	8.34E-08	2.50E-06	1.70E-07	3.09E-07	2.73E-08	5.06E-07	1.32E-07	1.72E-07	1.24E-08	3.16E-07
2783	565202.3	4221975	1.27E-06	1.55E-06	8.17E-08	2.90E-06	6.73E-07	1.70E-06	8.17E-08	2.45E-06	1.67E-07	3.03E-07	2.67E-08	4.96E-07	1.29E-07	1.69E-07	1.22E-08	3.10E-07
2784	564992.7	4222278	3.38E-06	4.13E-06	2.18E-07	7.73E-06	1.79E-06	4.53E-06	2.18E-07	6.54E-06	4.44E-07	8.07E-07	7.12E-08	1.32E-06	3.44E-07	4.49E-07	3.25E-08	8.26E-07
2785	564993.8	4222287	3.4E-06	4.15E-06	2.19E-07	7.77E-06	1.80E-06	4.55E-06	2.19E-07	6.58E-06	4.47E-07	8.12E-07	7.16E-08	1.33E-06	3.46E-07	4.52E-07	3.27E-08	8.30E-07
2786	564994.9	4222296	3.41E-06	4.17E-06	2.20E-07	7.80E-06	1.81E-06	4.57E-06	2.20E-07	6.60E-06	4.48E-07	8.14E-07	7.19E-08	1.33E-06	3.47E-07	4.53E-07	3.28E-08	8.33E-07
2787	564996	4222305	3.42E-06	4.17E-06	2.20E-07	7.81E-06	1.81E-06	4.58E-06	2.20E-07	6.61E-06	4.49E-07	8.15E-07	7.20E-08	1.34E-06	3.47E-07	4.54E-07	3.28E-08	8.34E-07
2788	564984.5	4222262	3.26E-06	3.98E-06	2.10E-07	7.44E-06	1.73E-06	4.36E-06	2.10E-07	6.29E-06	4.28E-07	7.77E-07	6.86E-08	1.27E-06	3.31E-07	4.32E-07	3.13E-08	7.95E-07
2789	564989.8	4222245	3.27E-06	3.99E-06	2.10E-07	7.46E-06	1.73E-06	4.37E-06	2.10E-07	6.31E-06	4.29E-07	7.79E-07	6.88E-08	1.28E-06	3.32E-07	4.34E-07	3.14E-08	7.97E-07
2790	565005.7	4222193	3.11E-06	3.8E-06	2.00E-07	7.11E-06	1.65E-06	4.16E-06	2.00E-07	6.01E-06	4.08E-07	7.42E-07	6.55E-08	1.22E-06	3.16E-07	4.13E-07	2.99E-08	7.59E-07
2791	565011	4222176	3E-06	3.66E-06	1.93E-07	6.86E-06	1.59E-06	4.02E-06	1.93E-07	5.80E-06	3.94E-07	7.16E-07	6.32E-08	1.17E-06	3.05E-07	3.98E-07	2.88E-08	7.32E-07
2792	565016.3	4222159	2.87E-06	3.5E-06	1.85E-07	6.55E-06	1.52E-06	3.84E-06	1.85E-07	5.54E-06	3.76E-07	6.84E-07	6.04E-08	1.12E-06	2.91E-07	3.81E-07	2.75E-08	7.00E-07
2793	565021.6	4222142	2.72E-06	3.32E-06	1.75E-07	6.21E-06	1.44E-06	3.64E-06	1.75E-07	5.25E-06	3.57E-07	6.48E-07	5.72E-08	1.06E-06	2.76E-07	3.61E-07	2.61E-08	6.63E-07
2794	565026.9	4222125	2.55E-06	3.12E-06	1.64E-07	5.84E-06	1.35E-06	3.42E-06	1.64E-07	4.94E-06	3.36E-07	6.10E-07	5.38E-08	9.99E-07	2.60E-07	3.39E-07	2.45E-08	6.24E-07
2795	565037.6	4222091	2.22E-06	2.71E-06	1.43E-07	5.07E-06	1.18E-06	2.97E-06	1.43E-07	4.29E-06	2.91E-07	5.29E-07	4.67E-08	8.68E-07	2.26E-07	2.95E-07	2.13E-08	5.42E-07
2796	565042.9	4222074	2.05E-06	2.51E-06	1.32E-07	4.70E-06	1.09E-06	2.75E-06	1.32E-07	3.97E-06	2.70E-07	4.90E-07	4.33E-08	8.03E-07	2.09E-07	2.73E-07	1.97E-08	5.01E-07
2797	565048.2	4222057	1.9E-06	2.32E-06	1.22E-07	4.33E-06	1.01E-06	2.54E-06	1.22E-07	3.67E-06	2.49E-07	4.52E-07	3.99E-08	7.41E-07	1.93E-07	2.52E-07	1.82E-08	4.63E-07
2798	565053.5	4222040	1.75E-06	2.13E-06	1.12E-07	3.99E-06	9.26E-07	2.34E-06	1.12E-07	3.38E-06	2.29E-07	4.17E-07	3.68E-08	6.83E-07	1.78E-07	2.32E-07	1.68E-08	4.26E-07
2799	565064.2	4222028	1.65E-06	2.02E-06	1.06E-07	3.78E-06	8.76E-07	2.21E-06	1.06E-07	3.20E-06	2.17E-07	3.94E-07	3.48E-08	6.46E-07	1.68E-07	2.20E-07	1.59E-08	4.03E-07
2800	565104.9	4222009	1.52E-06	1.86E-06	9.81E-08	3.49E-06	8.08E-07	2.04E-06	9.81E-08	2.95E-06	2.00E-07	3.64E-07	3.21E-08	5.96E-07	1.55E-07	2.03E-07	1.47E-08	3.72E-07
2801	565113.1	4222006	1.5E-06	1.83E-06	9.64E-08	3.42E-06	7.94E-07	2.01E-06	9.64E-08	2.90E-06	1.97E-07	3.57E-07	3.15E-08	5.85E-07	1.52E-07	1.99E-07	1.44E-08	3.66E-07
2802	565129.4	4221998	1.44E-06	1.76E-06	9.28E-08	3.30E-06	7.65E-07	1.93E-06	9.28E-08	2.79E-06	1.89E-07	3.44E-07	3.04E-08	5.64E-07	1.47E-07	1.92E-07	1.39E-08	3.52E-07
2803	565137.5	4221995	1.41E-06	1.73E-06	9.11E-08	3.23E-06	7.50E-07	1.89E-06	9.11E-08	2.74E-06	1.86E-07	3.38E-07	2.98E-08	5.53E-07	1.44E-07	1.88E-07	1.36E-08	3.45E-07
2804	565170	4221980	1.31E-06	1.6E-06	8.41E-08	2.99E-06	6.93E-07	1.75E-06	8.41E-08	2.53E-06	1.72E-07	3.12E-07	2.75E-08	5.11E-07	1.33E-07	1.74E-07	1.26E-08	3.19E-07
2805	565178.2	4221976	1.28E-06	1.56E-06	8.24E-08	2.93E-06	6.79E-07	1.71E-06	8.24E-08	2.48E-06	1.68E-07	3.06E-07	2.70E-08	5.01E-07	1.30E-07	1.70E-07	1.23E-08	3.13E-07
2806	565194.5	4221969	1.23E-06	1.5E-06	7.92E-08	2.81E-06	6.52E-07	1.65E-06	7.92E-08	2.38E-06	1.62E-07	2.94E-07	2.59E-08	4.81E-07	1.25E-07	1.63E-07	1.18E-08	3.00E-07
2807	565202.6	4221965	1.21E-06	1.47E-06	7.77E-08	2.76E-06	6.40E-07	1.62E-06	7.77E-08	2.33E-06	1.58E-07	2.88E-07	2.54E-08	4.72E-07	1.23E-07	1.60E-07	1.16E-08	2.94E-07
2808	564983	4222279	3.26E-06	3.98E-06	2.10E-07	7.45E-06	1.73E-06	4.37E-06	2.10E-07	6.31E-06	4.28E-07	7.78E-07	6.87E-08	1.28E-06	3.31E-07	4.33E-07	3.13E-08	7.96E-07
2809	564984.1	4222288	3.28E-06	4E-06	2.11E-07	7.49E-06	1.74E-06	4.39E-06	2.11E-07	6.34E-06	4.30E-07	7.82E-07	6.90E-08	1.28E-06	3.33E-07	4.35E-07	3.15E-08	8.00E-07
2810	564987.3	4222315	3.28E-06	4.01E-06	2.11E-07	7.51E-06	1.74E-06	4.40E-06	2.11E-07	6.35E-06	4.31E-07	7.84E-07	6.92E-08	1.28E-06	3.34E-07	4.36E-07	3.16E-08	8.02E-07
2811	564988.4	4222324	3.27E-06	4E-06	2.11E-07	7.48E-06	1.74E-06	4.38E-06	2.11E-07	6.33E-06	4.30E-07	7.81E-07	6.89E-08	1.28E-06	3.33E-07	4.35E-07	3.15E-08	7.99E-07
2812	564989.5	4222333	3.26E-06	3.98E-06	2.10E-07	7.44E-06	1.73E-06	4.36E-06	2.10E-07	6.30E-06	4.28E-07	7.77E-07	6.86E-08	1.27E-06	3.31E-07	4.33E-07	3.13E-08	7.95E-07
2813	564975.2	4222230	3.05E-06	3.72E-06	1.96E-07	6.96E-06	1.61E-06	4.08E-06	1.96E-07	5.89E-06	4.00E-07	7.27E-07	6.41E-08	1.19E-06	3.09E-07	4.05E-07	2.93E-08	7.43E-07
2814	564985.8	4222196	2.95E-06	3.6E-06	1.90E-07	6.74E-06	1.56E-06	3.95E-06	1.90E-07	5.70E-06	3.87E-07	7.03E-07	6.21E-08	1.15E-06	3.00E-07	3.92E-07	2.83E-08	7.19E-07
2815	564991	4222179	2.86E-06	3.49E-06	1.84E-07	6.54E-06	1.52E-06	3.83E-06	1.84E-07	5.53E-06	3.76E-07	6.82E-07	6.02E-08	1.12E-06	2.91E-07	3.80E-07	2.75E-08	6.98E-07
2816	564996.3	4222162	2.75E-06	3.36E-06	1.77E-07	6.29E-06	1.46E-06	3.68E-06	1.77E-07	5.32E-06	3.61E-07	6.56E-07	5.79E-08	1.08E-06	2.80E-07	3.65E-07	2.64E-08	6.71E-07
2817	565001.6	4222145	2.62E-06	3.21E-06	1.69E-07	6.00E-06	1.39E-06	3.51E-06	1.69E-07	5.07E-06	3.45E-07	6.26E-07	5.53E-08	1.03E-06	2.67E-07	3.49E-07	2.52E-08	6.41E-07
2818	565006.9	4222128	2.49E-06	3.04E-06	1.60E-07	5.68E-06	1.32E-06	3.33E-06	1.60E-07	4.80E-06	3.26E-07	5.93E-07	5.23E-08	9.72E-07	2.53E-07	3.30E-07	2.39E-08	6.07E-07
2819	565017.4	4222095	2.19E-06	2.67E-06	1.41E-07	5.00E-06	1.16E-06	2.93E-06	1.41E-07	4.23E-06	2.87E-07	5.22E-07	4.61E-08	8.55E-07	2.22E-07	2.91E-07	2.10E-08	5.34E-07
2820	565022.7	4222078	2.04E-06	2.49E-06	1.31E-07	4.66E-06	1.08E-06	2.73E-06	1.31E-07	3.94E-06	2.67E-07	4.86E-07	4.29E-08	7.96E-07	2.07E-07	2.71E-07	1.96E-08	4.97E-07
2821	565027.9	4222061	1.89E-06	2.31E-06	1.22E-07	4.32E-06	1.00E-06	2.53E-06	1.22E-07	3.66E-06	2.48E-07	4.51E-07	3.98E-08	7.39E-07	1.92E-07	2.51E-07	1.82E-08	4.61E-07
2822	565033.2	4222044	1.75E-06	2.14E-06	1.13E-07	4.00E-06	9.28E-07	2.34E-06	1.13E-07	3.38E-06	2.30E-07	4.18E-07	3.69E-08	6.84E-07	1.78E-07	2.33E-07	1.68E-08	4.27E-07
2823	565038.5	4222027	1.62E-06	1.98E-06	1.04E-07	3.70E-06	8.58E-07	2.17E-06	1.04E-07	3.13E-06	2.12E-07	3.86E-07	3.41E-08	6.32E-07	1.64E-07	2.15E-07	1.55E-08	3.95E-07
2824	565049.2	4222015	1.53E-06	1.87E-06	9.87E-08	3.51E-06	8.13E-07	2.05E-06	9.87E-08	2.97E-06	2.01E-07	3.66E-07	3.23E-08	6.00E-07	1.56E-07	2.04E-07	1.47E-08	3.74E-07
2825	565065.4	4222007	1.49E-06	1.82E-06	9.59E-08	3.41E-06	7.90E-07	1.99E-06	9.59E-08	2.88E-06	1.96E-07	3.55E-07	3.14E-08	5.82E-07	1.51E-07	1.98E-07	1.43E-08	3.64E-07
2826	565089.7	4221996	1.42E-06	1.73E-06	9.13E-08	3.24E-06	7.52E-07	1.90E-06	9.13E-08	2.74E-06	1.86E-07	3.39E-07	2.99E-08	5.55E-07	1.44E-07	1.89E-07	1.36E-08	3.46E-07
2827	565105.9	4221989	1.37E-06	1.67E-06	8.82E-08	3.13E-06	7.27E-07	1.84E-06	8.82E-08	2.65E-06	1.80E-07	3.27E-07	2.89E-08	5.36E-07	1.39E-07	1.82E-07	1.32E-08	3.35E-07
2828	565114	4221985	1.35E-06	1.64E-06	8.66E-08	3.08E-06	7.14E-07	1.80E-06	8.66E-08	2.60E-06	1.77E-07	3.21E-07	2.84E-08	5.26E-07	1.37E-07	1.79E-07	1.29E-08	3.29E-07
2829	565130.2	4221978	1.3E-06	1.58E-06	8.35E-08	2.96E-06	6.88E-07	1.74E-06	8.35E-08	2.51E-06	1.70E-07	3.09E-07	2.73E-08	5.07E-07	1.32E-07	1.72E-07	1.25E-08	3.17E-07
2830	565138.2	4221974	1.27E-06	1.55E-06	8.19E-08	2.91E-06	6.75E-07	1.70E-06	8.19E-08	2.46E-06	1.67E-07	3.04E-07	2.68E-08	4.98E-07	1.29E-07	1.69E-07	1.22E-08	3.11E-07
2831	565170.6	4221960	1.18E-06	1.44E-06	7.59E-08	2.70E-06	6.25E-07	1.58E-06	7.59E-08	2.28E-06	1.55E-07	2.81E-07	2.48E-08	4.61E-07	1.20E-07	1.57E-07	1.13E-08	2.88E-07
2832	565186.8	4221952	1.14E-06	1.39E-06	7.31E-08	2.59E-06	6.02E-07	1.52E-06	7.31E-08	2.19E-06	1.49E-07	2.71E-07	2.39E-08	4.44E-07	1.15E-07	1.51E-07	1.09E-08	2.77E-07
2833	565194.9	4221949	1.11E-06	1.36E-06	7.17E-08	2.55E-06	5.90E-07	1.49E-06	7.17E-08	2.15E-06	1.46E-07	2.66E-07	2.35E-08	4.35E-07	1.13E-07	1.48E-07	1.07E-08	2.72E-07
2834	564964.2	4222291	3.04E-06	3.72E-06	1.96E-07	6.96E-06	1.61E-06	4.08E-06	1.96E-07	5.89E-06	4.00E-07	7.26E-07	6.41E-08	1.19E-06	3.09E-07	4.05E-07	2.93E-08	7.43E-07
2835	564965.3	4222300	3.05E-06	3.72E-06	1.96E-07	6.97E-06	1.62E-06	4.08E-06	1.96E-07	5.90E-06	4.01E-07	7.28E-07	6.42E-08	1.19E-06	3.10E-07	4.05E-07	2.93E-08	7.44E-07
2836	564966.4	4222308	3.05E-06	3.72E-06	1.96E-07	6.97E-06	1.62E-06	4.08E-06	1.96E-07	5.89E-06	4.00E-07	7.27E-07	6.42E-08	1.19E-06	3.10E-07	4.05E-07	2.93E-08	7.44E-07
2837	564967.5	4222317	3.04E-06	3.71E-06	1.96E-07	6.95E-06	1.61E-06	4.07E-06	1.96E-07	5.88E-06	3.99E-07	7.26E-07	6.40E-08	1.19E-06	3.09E-07	4.04E-07	2.92E-08	7.42E-07
2838	564968.6	4222326	3.03E-06	3.7E-06	1.95E-07	6.92E-06	1.61E-06	4.05E-06	1.95E-07	5.85E-06	3.98E-07	7.22E-07	6.38E-08	1.18E-06	3.08E-07	4.02E-07	2.91E-08	7.39E-07
2839	564969.7	4222335	3.01E-06	3.68E-06	1.94E-07	6.88E-06	1.60E-06	4.03E-06	1.94E-07	5.82E-06	3.95E-07	7.18E-07	6.34E-08	1.18E-06	3.06E-07	4.00E-07	2.89E-08	7.35E-07
2840	564950.1	4222250	2.86E-06	3.49E-06	1.84E-07	6.54E-06	1.52E-06	3.83E-06	1.84E-07	5.53E-06	3.76E-07	6.83E-07	6.03E-08	1.12E-06	2.91E-07	3.80E-07	2.75E-08	6.98E-07
2841	564955.3	4222233	2.86E-06	3.5E-06	1.84E-07	6.54E-06	1.52E-06	3.83E-06	1.84E-07	5.53E-06	3.76E-07	6.83E-07	6.03E-08	1.12E-06	2.91E-07	3.80E-07	2.75E-08	6.99E-07
2842	564960.5	4222216	2.84E-06	3.47E-06	1.83E-07	6.49E-06	1.51E-06	3.80E-06	1.83E-07	5.49E-06	3.73E-07	6.78E-07	5.98E-08	1.11E-06	2.89E-07	3.77E-07	2.73E-08	6.93E-07
2843	564971	4222182	2.73E-06	3.33E-06	1.75E-07	6.23E-06	1.44E-06	3.65E-06	1.75E-07	5.27E-06	3.58E-07	6.50E-07	5.74E-08	1.07E-06	2.77E-07	3.62E-07	2.62E-08	6.65E-07
2844	564976.3	4222165	2.64E-06	3.22E-06	1.70E-07	6.03E-06	1.40E-06	3.53E-06	1.70E-07	5.10E-06	3.46E-07	6.29E-07	5.55E-08	1.03E-06	2.68E-07	3.50E-07	2.53E-08	6.43E-07
2845	564981.5	4222148	2.53E-06	3.09E-06	1.63E-07	5.78E-06	1.34E-06	3.39E-06	1.63E-07	4.89E-06	3.32E-07	6.04E-07	5.33E-08	9.89E-07	2.57E-07	3.36E-07	2.43E-08	6.18E-07
2846	564986.8	4222132	2.41E-06	2.94E-06	1.55E-07	5.51E-06	1.28E-06	3.23E-06	1.55E-07	4.66E-06	3.17E-07	5.75E-07	5.08E-08	9.42E-07	2.45E-07	3.20E-07	2.32E-08	5.88E-07
2847	564997.3	4222098	2.15E-06	2.62E-06	1.38E-07	4.91E-06	1.14E-06	2.88E-06	1.38E-07	4.15E-06	2.82E-07	5.12E-07	4.52E-08	8.40E-07	2.18E-07	2.85E-07	2.06E-08	5.24E-07
2848	565013	4222047	1.75E-06	2.13E-06	1.12E-07	3.99E-06	9.26E-07	2.34E-06	1.12E-07	3.38E-06	2.29E-07	4.17E-07	3.68E-08	6.83E-07	1.77E-07	2.32E-07	1.68E-08	4.26E-07
2849	565018.3	4222030	1.62E-06	1.98E-06	1.04E-07	3.70E-06	8.59E-07	2.17E-06	1.04E-07	3.13E-06	2.13E-07	3.87E-07	3.41E-08	6.34E-07	1.65E-07	2.15E-07	1.56E-08	3.96E-07
2850	565023.5	4222013	1.5E-06	1.83E-06	9.67E-08	3.43E-06	7.96E-07	2.01E-06	9.67E-08	2.90E-06	1.97E-07	3.58E-07	3.16E-08	5.87E-07	1.53E-07	2.00E-07	1.44E-08	3.67E-07
2851	565034.2	4222001	1.43E-06	1.74E-06	9.19E-08	3.26E-06	7.57E-07	1.91E-06	9.19E-08	2.76E-06	1.87E-07	3.40E-07	3.01E-08	5.58E-07	1.45E-07	1.90E-07	1.37E-08	3.48E-07
2852	565042.2	4221998	1.41E-06	1.72E-06	9.06E-08	3.22E-06	7.46E-07	1.89E-06	9.06E-08	2.72E-06	1.85E-07	3.36E-07	2.97E-08	5.50E-07	1.43E-07	1.87E-07	1.35E-08	3.44E-07
2853	565058.4	4221990	1.37E-06	1.67E-06	8.80E-08	3.12E-06	7.25E-07	1.83E-06	8.80E-08	2.64E-06	1.79E-07	3.26E-07	2.88E-08	5.34E-07	1.39E-07	1.82E-07	1.31E-08	3.34E-07
2854	565074.5	4221983	1.32E-06	1.62E-06	8.52E-08	3.03E-06	7.02E-07	1.77E-06	8.52E-08	2.56E-06	1.74E-07	3.16E-07	2.79E-08	5.18E-07	1.35E-07	1.76E-07	1.27E-08	3.23E-07
2855	565090.6	4221976	1.28E-06	1.56E-06	8.25E-08	2.93E-06	6.79E-07	1.72E-06	8.25E-08	2.48E-06	1.68E-07	3.06E-07	2.70E-08	5.01E-07	1.30E-07	1.70E-07	1.23E-08	3.13E-07
2856	565098.6	4221972	1.26E-06	1.54E-06	8.11E-08	2.88E-06	6.68E-07	1.69E-06	8.11E-08	2.44E-06	1.65E-07	3.01E-07	2.65E-08	4.92E-07	1.28E-07	1.67E-07	1.21E-08	3.07E-07
2857	565114.7	4221965	1.22E-06	1.49E-06	7.83E-08	2.78E-06	6.45E-07	1.63E-06	7.83E-08	2.35E-06	1.60E-07	2.90E-07	2.56E-08	4.75E-07	1.24E-07	1.62E-07	1.17E-08	2.97E-07

2858	565122.8	4221961	1.19E-06	1.46E-06	7.69E-08	2.73E-06	6.33E-07	1.60E-06	7.69E-08	2.31E-06	1.57E-07	2.85E-07	2.52E-08	4.67E-07	1.21E-07	1.59E-07	1.15E-08	2.91E-07
2859	565138.9	4221954	1.15E-06	1.41E-06	7.41E-08	2.63E-06	6.11E-07	1.54E-06	7.41E-08	2.23E-06	1.51E-07	2.75E-07	2.43E-08	4.50E-07	1.17E-07	1.53E-07	1.11E-08	2.81E-07
2860	565171.1	4221939	1.07E-06	1.31E-06	6.89E-08	2.45E-06	5.67E-07	1.43E-06	6.89E-08	2.07E-06	1.41E-07	2.55E-07	2.25E-08	4.18E-07	1.09E-07	1.42E-07	1.03E-08	2.61E-07
2861	565179.2	4221936	1.05E-06	1.28E-06	6.76E-08	2.40E-06	5.57E-07	1.41E-06	6.76E-08	2.03E-06	1.38E-07	2.51E-07	2.21E-08	4.11E-07	1.07E-07	1.40E-07	1.01E-08	2.57E-07
2862	564944.4	4222293	2.84E-06	3.46E-06	1.83E-07	6.48E-06	1.50E-06	3.80E-06	1.83E-07	5.48E-06	3.72E-07	6.77E-07	5.97E-08	1.11E-06	2.88E-07	3.77E-07	2.72E-08	6.92E-07
2863	564945.5	4222302	2.84E-06	3.46E-06	1.83E-07	6.48E-06	1.50E-06	3.80E-06	1.83E-07	5.48E-06	3.73E-07	6.77E-07	5.97E-08	1.11E-06	2.88E-07	3.77E-07	2.73E-08	6.92E-07
2864	564946.5	4222311	2.83E-06	3.46E-06	1.82E-07	6.47E-06	1.50E-06	3.79E-06	1.82E-07	5.48E-06	3.72E-07	6.76E-07	5.97E-08	1.11E-06	2.88E-07	3.76E-07	2.72E-08	6.91E-07
2865	564947.6	4222320	2.82E-06	3.45E-06	1.82E-07	6.45E-06	1.50E-06	3.78E-06	1.82E-07	5.46E-06	3.71E-07	6.74E-07	5.95E-08	1.10E-06	2.87E-07	3.75E-07	2.71E-08	6.89E-07
2866	564948.7	4222329	2.81E-06	3.43E-06	1.81E-07	6.42E-06	1.49E-06	3.76E-06	1.81E-07	5.43E-06	3.69E-07	6.70E-07	5.92E-08	1.10E-06	2.85E-07	3.73E-07	2.70E-08	6.86E-07
2867	564924.9	4222269	2.66E-06	3.25E-06	1.71E-07	6.08E-06	1.41E-06	3.56E-06	1.71E-07	5.14E-06	3.49E-07	6.34E-07	5.60E-08	1.04E-06	2.70E-07	3.53E-07	2.55E-08	6.49E-07
2868	564930.2	4222252	2.69E-06	3.28E-06	1.73E-07	6.14E-06	1.42E-06	3.60E-06	1.73E-07	5.19E-06	3.53E-07	6.41E-07	5.66E-08	1.05E-06	2.73E-07	3.57E-07	2.58E-08	6.55E-07
2869	564935.4	4222235	2.69E-06	3.29E-06	1.73E-07	6.16E-06	1.43E-06	3.61E-06	1.73E-07	5.21E-06	3.54E-07	6.43E-07	5.67E-08	1.05E-06	2.74E-07	3.58E-07	2.59E-08	6.57E-07
2870	564940.6	4222219	2.68E-06	3.27E-06	1.73E-07	6.13E-06	1.42E-06	3.59E-06	1.73E-07	5.18E-06	3.52E-07	6.40E-07	5.65E-08	1.05E-06	2.72E-07	3.56E-07	2.58E-08	6.54E-07
2871	564945.8	4222202	2.65E-06	3.23E-06	1.70E-07	6.05E-06	1.40E-06	3.55E-06	1.70E-07	5.12E-06	3.48E-07	6.32E-07	5.58E-08	1.04E-06	2.69E-07	3.52E-07	2.54E-08	6.46E-07
2872	564956.3	4222168	2.52E-06	3.08E-06	1.62E-07	5.77E-06	1.34E-06	3.38E-06	1.62E-07	4.88E-06	3.31E-07	6.02E-07	5.31E-08	9.87E-07	2.56E-07	3.35E-07	2.42E-08	6.16E-07
2873	564961.5	4222151	2.43E-06	2.97E-06	1.57E-07	5.57E-06	1.29E-06	3.26E-06	1.57E-07	4.71E-06	3.20E-07	5.81E-07	5.13E-08	9.52E-07	2.47E-07	3.23E-07	2.34E-08	5.94E-07
2874	564966.7	4222135	2.33E-06	2.85E-06	1.50E-07	5.33E-06	1.24E-06	3.12E-06	1.50E-07	4.51E-06	3.06E-07	5.57E-07	4.91E-08	9.12E-07	2.37E-07	3.10E-07	2.24E-08	5.69E-07
2875	564977.2	4222101	2.1E-06	2.57E-06	1.35E-07	4.80E-06	1.11E-06	2.81E-06	1.35E-07	4.06E-06	2.76E-07	5.01E-07	4.43E-08	8.22E-07	2.14E-07	2.79E-07	2.02E-08	5.13E-07
2876	564982.4	4222084	1.98E-06	2.42E-06	1.27E-07	4.53E-06	1.05E-06	2.65E-06	1.27E-07	3.83E-06	2.60E-07	4.72E-07	4.17E-08	7.74E-07	2.01E-07	2.63E-07	1.90E-08	4.83E-07
2877	564987.6	4222067	1.86E-06	2.27E-06	1.20E-07	4.24E-06	9.85E-07	2.49E-06	1.20E-07	3.59E-06	2.44E-07	4.43E-07	3.91E-08	7.26E-07	1.89E-07	2.47E-07	1.78E-08	4.53E-07
2878	564992.9	4222051	1.74E-06	2.12E-06	1.12E-07	3.97E-06	9.20E-07	2.32E-06	1.12E-07	3.36E-06	2.28E-07	4.14E-07	3.66E-08	6.79E-07	1.76E-07	2.31E-07	1.67E-08	4.24E-07
2879	564998.1	4222034	1.62E-06	1.98E-06	1.04E-07	3.70E-06	8.58E-07	2.17E-06	1.04E-07	3.13E-06	2.13E-07	3.86E-07	3.41E-08	6.33E-07	1.65E-07	2.15E-07	1.56E-08	3.95E-07
2880	565019.2	4221988	1.33E-06	1.63E-06	8.57E-08	3.04E-06	7.06E-07	1.78E-06	8.57E-08	2.57E-06	1.75E-07	3.18E-07	2.80E-08	5.21E-07	1.35E-07	1.77E-07	1.28E-08	3.25E-07
2881	565035.2	4221981	1.3E-06	1.58E-06	8.34E-08	2.96E-06	6.87E-07	1.74E-06	8.34E-08	2.51E-06	1.70E-07	3.09E-07	2.73E-08	5.07E-07	1.32E-07	1.72E-07	1.25E-08	3.16E-07
2882	565043.2	4221977	1.28E-06	1.56E-06	8.22E-08	2.92E-06	6.77E-07	1.71E-06	8.22E-08	2.47E-06	1.68E-07	3.05E-07	2.69E-08	4.99E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07
2883	565059.3	4221970	1.24E-06	1.51E-06	7.98E-08	2.83E-06	6.57E-07	1.66E-06	7.98E-08	2.40E-06	1.63E-07	2.96E-07	2.61E-08	4.84E-07	1.26E-07	1.65E-07	1.19E-08	3.02E-07
2884	565075.3	4221963	1.2E-06	1.47E-06	7.72E-08	2.74E-06	6.36E-07	1.61E-06	7.72E-08	2.32E-06	1.58E-07	2.86E-07	2.53E-08	4.69E-07	1.22E-07	1.59E-07	1.15E-08	2.93E-07
2885	565091.4	4221955	1.16E-06	1.42E-06	7.48E-08	2.66E-06	6.16E-07	1.56E-06	7.48E-08	2.25E-06	1.53E-07	2.77E-07	2.45E-08	4.54E-07	1.18E-07	1.54E-07	1.12E-08	2.84E-07
2886	565107.4	4221948	1.12E-06	1.37E-06	7.23E-08	2.57E-06	5.95E-07	1.50E-06	7.23E-08	2.17E-06	1.47E-07	2.68E-07	2.37E-08	4.39E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
2887	565123.4	4221941	1.08E-06	1.32E-06	6.98E-08	2.48E-06	5.75E-07	1.45E-06	6.98E-08	2.10E-06	1.42E-07	2.59E-07	2.28E-08	4.24E-07	1.10E-07	1.44E-07	1.04E-08	2.65E-07
2888	565139.5	4221934	1.05E-06	1.28E-06	6.74E-08	2.39E-06	5.55E-07	1.40E-06	6.74E-08	2.02E-06	1.38E-07	2.50E-07	2.21E-08	4.09E-07	1.06E-07	1.39E-07	1.01E-08	2.56E-07
2889	565155.5	4221926	1.01E-06	1.23E-06	6.51E-08	2.31E-06	5.36E-07	1.35E-06	6.51E-08	1.95E-06	1.33E-07	2.41E-07	2.13E-08	3.95E-07	1.03E-07	1.34E-07	9.71E-09	2.47E-07
2890	565171.6	4221919	9.76E-07	1.19E-06	6.28E-08	2.23E-06	5.18E-07	1.31E-06	6.28E-08	1.89E-06	1.28E-07	2.33E-07	2.06E-08	3.82E-07	9.92E-08	1.30E-07	9.38E-09	2.38E-07
2891	564923.4	4222286	2.64E-06	3.23E-06	1.70E-07	6.04E-06	1.40E-06	3.54E-06	1.70E-07	5.11E-06	3.47E-07	6.31E-07	5.57E-08	1.03E-06	2.69E-07	3.51E-07	2.54E-08	6.45E-07
2892	564926.7	4222313	2.64E-06	3.22E-06	1.70E-07	6.03E-06	1.40E-06	3.53E-06	1.70E-07	5.10E-06	3.46E-07	6.29E-07	5.56E-08	1.03E-06	2.68E-07	3.50E-07	2.53E-08	6.44E-07
2893	564928.9	4222331	2.61E-06	3.19E-06	1.68E-07	5.98E-06	1.39E-06	3.50E-06	1.68E-07	5.05E-06	3.43E-07	6.24E-07	5.51E-08	1.02E-06	2.66E-07	3.47E-07	2.51E-08	6.38E-07
2894	564930	4222340	2.6E-06	3.17E-06	1.67E-07	5.93E-06	1.38E-06	3.48E-06	1.67E-07	5.02E-06	3.41E-07	6.19E-07	5.47E-08	1.01E-06	2.64E-07	3.45E-07	2.49E-08	6.34E-07
2895	564905.2	4222271	2.49E-06	3.04E-06	1.60E-07	5.70E-06	1.32E-06	3.34E-06	1.60E-07	4.82E-06	3.27E-07	5.95E-07	5.25E-08	9.75E-07	2.53E-07	3.31E-07	2.40E-08	6.08E-07
2896	564907.8	4222263	2.51E-06	3.07E-06	1.62E-07	5.74E-06	1.33E-06	3.36E-06	1.62E-07	4.85E-06	3.30E-07	5.99E-07	5.29E-08	9.81E-07	2.55E-07	3.33E-07	2.41E-08	6.13E-07
2897	564913.2	4222245	2.53E-06	3.09E-06	1.63E-07	5.79E-06	1.34E-06	3.39E-06	1.63E-07	4.90E-06	3.33E-07	6.04E-07	5.33E-08	9.90E-07	2.57E-07	3.36E-07	2.43E-08	6.18E-07
2898	564918.5	4222228	2.54E-06	3.1E-06	1.63E-07	5.80E-06	1.35E-06	3.40E-06	1.63E-07	4.91E-06	3.33E-07	6.05E-07	5.34E-08	9.92E-07	2.58E-07	3.37E-07	2.44E-08	6.19E-07
2899	564923.9	4222211	2.52E-06	3.08E-06	1.62E-07	5.76E-06	1.34E-06	3.38E-06	1.62E-07	4.88E-06	3.31E-07	6.02E-07	5.31E-08	9.86E-07	2.56E-07	3.35E-07	2.42E-08	6.15E-07
2900	564929.2	4222194	2.49E-06	3.04E-06	1.60E-07	5.68E-06	1.32E-06	3.33E-06	1.60E-07	4.81E-06	3.26E-07	5.93E-07	5.23E-08	9.72E-07	2.53E-07	3.30E-07	2.39E-08	6.07E-07
2901	564931.9	4222185	2.46E-06	3E-06	1.58E-07	5.62E-06	1.30E-06	3.29E-06	1.58E-07	4.76E-06	3.23E-07	5.87E-07	5.18E-08	9.62E-07	2.50E-07	3.27E-07	2.36E-08	6.01E-07
2902	564937.3	4222168	2.4E-06	2.93E-06	1.54E-07	5.48E-06	1.27E-06	3.21E-06	1.54E-07	4.64E-06	3.15E-07	5.72E-07	5.05E-08	9.38E-07	2.44E-07	3.19E-07	2.30E-08	5.86E-07
2903	564942.6	4222151	2.32E-06	2.84E-06	1.49E-07	5.31E-06	1.23E-06	3.11E-06	1.49E-07	4.49E-06	3.05E-07	5.54E-07	4.89E-08	9.08E-07	2.36E-07	3.08E-07	2.23E-08	5.67E-07
2904	564948	4222133	2.23E-06	2.72E-06	1.44E-07	5.10E-06	1.18E-06	2.99E-06	1.44E-07	4.31E-06	2.93E-07	5.32E-07	4.70E-08	8.72E-07	2.27E-07	2.96E-07	2.14E-08	5.44E-07
2905	564958.7	4222099	2.02E-06	2.47E-06	1.30E-07	4.62E-06	1.07E-06	2.70E-06	1.30E-07	3.91E-06	2.65E-07	4.82E-07	4.25E-08	7.90E-07	2.05E-07	2.68E-07	1.94E-08	4.93E-07
2906	564964	4222082	1.91E-06	2.33E-06	1.23E-07	4.36E-06	1.01E-06	2.55E-06	1.23E-07	3.69E-06	2.50E-07	4.55E-07	4.01E-08	7.45E-07	1.94E-07	2.53E-07	1.83E-08	4.65E-07
2907	564966.7	4222073	1.85E-06	2.26E-06	1.19E-07	4.23E-06	9.80E-07	2.48E-06	1.19E-07	3.57E-06	2.43E-07	4.41E-07	3.89E-08	7.23E-07	1.88E-07	2.46E-07	1.78E-08	4.51E-07
2908	564972.1	4222056	1.73E-06	2.12E-06	1.12E-07	3.96E-06	9.20E-07	2.32E-06	1.12E-07	3.35E-06	2.28E-07	4.14E-07	3.65E-08	6.78E-07	1.76E-07	2.30E-07	1.67E-08	4.23E-07
2909	564977.4	4222039	1.62E-06	1.98E-06	1.04E-07	3.71E-06	8.60E-07	2.17E-06	1.04E-07	3.14E-06	2.13E-07	3.87E-07	3.42E-08	6.34E-07	1.65E-07	2.15E-07	1.56E-08	3.96E-07
2910	564982.8	4222022	1.51E-06	1.85E-06	9.73E-08	3.46E-06	8.02E-07	2.02E-06	9.73E-08	2.92E-06	1.99E-07	3.61E-07	3.18E-08	5.91E-07	1.54E-07	2.01E-07	1.45E-08	3.69E-07
2911	564988.1	4222004	1.41E-06	1.72E-06	9.06E-08	3.22E-06	7.46E-07	1.88E-06	9.06E-08	2.72E-06	1.85E-07	3.36E-07	2.96E-08	5.50E-07	1.43E-07	1.87E-07	1.35E-08	3.43E-07
2912	564990.8	4221996	1.36E-06	1.66E-06	8.74E-08	3.10E-06	7.20E-07	1.82E-06	8.74E-08	2.62E-06	1.78E-07	3.24E-07	2.86E-08	5.31E-07	1.38E-07	1.80E-07	1.30E-08	3.31E-07
2913	565020.8	4221967	1.21E-06	1.48E-06	7.81E-08	2.77E-06	6.43E-07	1.62E-06	7.81E-08	2.35E-06	1.59E-07	2.89E-07	2.56E-08	4.74E-07	1.23E-07	1.61E-07	1.17E-08	2.96E-07
2914	565029	4221964	1.2E-06	1.46E-06	7.70E-08	2.73E-06	6.34E-07	1.60E-06	7.70E-08	2.31E-06	1.57E-07	2.85E-07	2.52E-08	4.68E-07	1.22E-07	1.59E-07	1.15E-08	2.92E-07
2915	565045.5	4221956	1.16E-06	1.42E-06	7.47E-08	2.65E-06	6.15E-07	1.55E-06	7.47E-08	2.24E-06	1.52E-07	2.77E-07	2.44E-08	4.54E-07	1.18E-07	1.54E-07	1.11E-08	2.83E-07
2916	565061.9	4221949	1.12E-06	1.37E-06	7.23E-08	2.57E-06	5.96E-07	1.50E-06	7.23E-08	2.17E-06	1.48E-07	2.68E-07	2.37E-08	4.39E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
2917	565103	4221930	1.03E-06	1.26E-06	6.66E-08	2.36E-06	5.48E-07	1.38E-06	6.66E-08	2.00E-06	1.36E-07	2.47E-07	2.18E-08	4.04E-07	1.05E-07	1.37E-07	9.94E-09	2.52E-07
2918	565119.4	4221923	9.99E-07	1.22E-06	6.43E-08	2.28E-06	5.30E-07	1.34E-06	6.43E-08	1.93E-06	1.31E-07	2.38E-07	2.10E-08	3.91E-07	1.02E-07	1.33E-07	9.60E-09	2.44E-07
2919	565144.1	4221912	9.48E-07	1.16E-06	6.10E-08	2.17E-06	5.03E-07	1.27E-06	6.10E-08	1.83E-06	1.25E-07	2.26E-07	2.00E-08	3.71E-07	9.64E-08	1.26E-07	9.11E-09	2.31E-07
2920	565160.5	4221904	9.16E-07	1.12E-06	5.90E-08	2.09E-06	4.86E-07	1.23E-06	5.90E-08	1.77E-06	1.20E-07	2.19E-07	1.93E-08	3.58E-07	9.31E-08	1.22E-07	8.81E-09	2.24E-07
2921	564903.6	4222289	2.48E-06	3.02E-06	1.59E-07	5.66E-06	1.31E-06	3.31E-06	1.59E-07	4.79E-06	3.25E-07	5.91E-07	5.21E-08	9.68E-07	2.52E-07	3.29E-07	2.38E-08	6.04E-07
2922	564904.7	4222298	2.48E-06	3.02E-06	1.59E-07	5.66E-06	1.31E-06	3.31E-06	1.59E-07	4.79E-06	3.25E-07	5.91E-07	5.21E-08	9.68E-07	2.52E-07	3.29E-07	2.38E-08	6.04E-07
2923	564885.3	4222274	2.34E-06	2.86E-06	1.51E-07	5.35E-06	1.24E-06	3.14E-06	1.51E-07	4.53E-06	3.08E-07	5.59E-07	4.93E-08	9.16E-07	2.38E-07	3.11E-07	2.25E-08	5.72E-07
2924	564890.6	4222257	2.37E-06	2.9E-06	1.53E-07	5.43E-06	1.26E-06	3.18E-06	1.53E-07	4.59E-06	3.12E-07	5.66E-07	5.00E-08	9.28E-07	2.41E-07	3.15E-07	2.28E-08	5.80E-07
2925	564895.9	4222239	2.39E-06	2.92E-06	1.54E-07	5.47E-06	1.27E-06	3.20E-06	1.54E-07	4.62E-06	3.14E-07	5.71E-07	5.04E-08	9.35E-07	2.43E-07	3.18E-07	2.30E-08	5.84E-07
2926	564901.3	4222222	2.39E-06	2.92E-06	1.54E-07	5.47E-06	1.27E-06	3.20E-06	1.54E-07	4.63E-06	3.14E-07	5.71E-07	5.04E-08	9.36E-07	2.43E-07	3.18E-07	2.30E-08	5.84E-07
2927	564903.9	4222214	2.39E-06	2.92E-06	1.54E-07	5.46E-06	1.27E-06	3.20E-06	1.54E-07	4.62E-06	3.14E-07	5.70E-07	5.03E-08	9.34E-07	2.43E-07	3.17E-07	2.29E-08	5.83E-07
2928	564909.3	4222197	2.36E-06	2.89E-06	1.52E-07	5.40E-06	1.25E-06	3.16E-06	1.52E-07	4.57E-06	3.10E-07	5.64E-07	4.98E-08	9.24E-07	2.40E-07	3.14E-07	2.27E-08	5.77E-07
2929	564914.6	4222179	2.32E-06	2.83E-06	1.49E-07	5.31E-06	1.23E-06	3.11E-06	1.49E-07	4.49E-06	3.05E-07	5.54E-07	4.89E-08	9.07E-07	2.36E-07	3.08E-07	2.23E-08	5.67E-07
2930	564919.9	4222162	2.26E-06	2.77E-06	1.46E-07	5.18E-06	1.20E-06	3.03E-06	1.46E-07	4.38E-06	2.97E-07	5.40E-07	4.77E-08	8.85E-07	2.30E-07	3.01E-07	2.18E-08	5.53E-07
2931	564922.6	4222154	2.23E-06	2.72E-06	1.44E-07	5.10E-06	1.18E-06	2.99E-06	1.44E-07	4.31E-06	2.93E-07	5.32E-07	4.70E-08	8.72E-07	2.27E-07	2.96E-07	2.14E-08	5.44E-07
2932	564927.9	4222137	2.15E-06	2.63E-06	1.39E-07	4.92E-06	1.14E-06	2.88E-06	1.39E-07	4.16E-06	2.83E-07	5.14E-07	4.54E-08	8.42E-07	2.19E-07	2.86E-07	2.07E-08	5.26E-07
2933	564941.2	4222094	1.92E-06	2.35E-06	1.24E-07	4.39E-06	1.02E-06	2.57E-06	1.24E-07	3.72E-06	2.52E-07	4.59E-07	4.05E-08	7.51E-07	1.95E-07	2.55E-07	1.85E-08	4.69E-07
2934	564946.5	4222077	1.82E-06	2.22E-06	1.17E-07	4.16E-06	9.64E-07	2.44E-06	1.17E-07	3.52E-06	2.39E-07	4.34E-07	3.83E-08	7.11E-07	1.85E-07	2.42E-07	1.75E-08	4.44E-07
2935	564951.9	4222059	1.71E-06	2.09E-06	1.10E-07	3.92E-06	9.09E-07	2.30E-06	1.10E-07	3.32E-06	2.25E-07	4.09E-07	3.61E-08	6.70E-07	1.74E-07	2.28E-07	1.65E-08	4.18E-07
2936	564957.2	4222042	1.61E-06	1.97E-06	1.04E-07	3.68E-06	8.54E-07	2.16E-06	1.04E-07	3.11E-06	2.12E-07	3.84E-07	3.39E-08	6.30E-07	1.64E-07	2.14E-07	1.55E-08	3.93E-07
2937	564962.5	4222025	1.51E-06	1.84E-06	9.71E-08	3.45E-06	8.00E-07	2.02E-06	9.71E-08	2.92E-06	1.98E-07	3.60E-07	3.18E-08	5.90E-07	1.53E-07	2.00E-07	1.45E-08	3.68E-07
2938	564967.9	4222008	1.41E-06	1.72E-06	9.07E-08	3.22E-06	7.47E-07	1.89E-06	9.07E-08	2.72E-06	1.85E-07	3.36E-07	2.97E-08	5.51E-07	1.43E-07	1.87E-07	1.35E-08	3.44E-07
2939	564973.2	4221991	1.32E-06	1.61E-06	8.47E-08	3.01E-06	6.97E-07	1.76E-06	8.47E-08	2.54E-06	1.73E-07	3.14E-07	2.77E-08	5.14E-07	1.34E-07	1.75E-07	1.26E-08	3.21E-07
2940	564978.5	4221974	1.23E-06	1.5E-06	7.90E-08	2.80E-06	6.50E-07	1.64E-06	7.90E-08	2.37E-06	1.61E-07	2.93E-07	2.58E-08	4.80E-07	1.25E-07	1.63E-07	1.18E-08	2.99E-07
2941	564989.4	4221961	1.17E-06	1.43E-06	7.53E-08	2.67E-06	6.20E-07	1.57E-06	7.53E-08	2.26E-06	1.54E-07	2.79E-07	2.46E-08	4.58E-07	1.19E-07	1.55E-07	1.12E-08	2.86E-07
2942	565022.1	4221947	1.11E-06	1.35E-06	7.14E-08	2.53E-06	5.88E-07	1.48E-06	7.14E-08	2.14E-06	1.46E-07	2.65E-07	2.34E-08	4.34E-07	1.13E-07	1.47E-07	1.07E-08	2.71E-07
2943	565038.4	4221939	1.08E-06	1.31E-06	6.93E-08	2.46E-06	5.70E-07	1.44E-06	6.93E-08	2.08E-06	1.41E-07	2.57E-07	2.27E-08	4.21E-07	1.09E-07	1.43E-07	1.03E-08	2.63E-07
2944	565046.6	4221936	1.06E-06	1.29E-06	6.82E-08	2.42E-06	5.62E-07	1.42E-06	6.82E-08	2.05E-06	1.39E-07	2.53E-07	2.23E-08	4.14E-07	1.08E-07	1.41E-07	1.02E-08	2.59E-07
2945	565063	4221928	1.03E-06	1.25E-06	6.61E-08	2.35E-06	5.44E-07	1.37E-06	6.61E-08	1.98E-06	1.35E-07	2.45E-07	2.16E-08	4.01E-07	1.04E-07	1.36E-07	9.86E-09	2.51E-07
2946	565079.3	4221921	9.94E-07	1.21E-06	6.40E-08	2.27E-06	5.27E-07	1.33E-06	6.40E-08	1.92E-06	1.31E-07	2.37E-07	2.09E-08	3.89E-07	1.01E-07	1.32E-07	9.55E-09	2.43E-07
2947	565128.4	4221899	8.99E-07	1.1E-06	5.79E-08	2.06E-06	4.77E-07	1.20E-06	5.79E-08	1.74E-06	1.18E-07	2.15E-07	1.89E-08	3.52E-07	9.14E-08	1.19E-07	8.64E-09	2.19E-07
2948	565144.7	4221891	8.7E-07	1.06E-06	5.60E-08	1.99E-06	4.61E-07	1.16E-06	5.60E-08	1.68E-06	1.14E-07	2.08E-07	1.83E-08	3.40E-07	8.84E-08	1.16E-07	8.36E-09	2.12E-07
2949	564882.6	4222282	2.32E-06	2.83E-06	1.49E-07	5.31E-06	1.23E-06	3.11E-06	1.49E-07	4.49E-06	3.05E-07	5.54E-07	4.89E-08	9.07E-07	2.36E-07	3.08E-07	2.23E-08	5.67E-07
2950	564883.7	4222291	2.32E-06	2.84E-06	1.50E-07	5.31E-06	1.23E-06	3.11E-06	1.50E-07	4.49E-06	3.05E-07	5.54E-07	4.89E-08	9.08E-07	2.36E-07	3.09E-07	2.23E-08	5.67E-07
2951	564890.3	4222345	2.26E-06	2.76E-06	1.46E-07	5.17E-06	1.20E-06	3.03E-06	1.46E-07	4.38E-06	2.97E-07	5.40E-07	4.77E-08	8.85E-07	2.30E-07	3.01E-07	2.17E-08	5.52E-07
2952	564865.4	4222276	2.21E-06	2.69E-06	1.42E-07	5.04E-06	1.17E-06	2.95E-06	1.42E-07	4.27E-06	2.90E-07	5.26E-07	4.65E-08	8.62E-07	2.24E-07	2.93E-07	2.12E-08	5.38E-07
2953	564870.7	4222259	2.24E-06	2.73E-06	1.44E-07	5.12E-06	1.19E-06	3.00E-06	1.44E-07	4.33E-06	2.94E-07	5.34E-07	4.72E-08	8.75E-07	2.28E-07	2.97E-07	2.15E-08	5.47E-07
2954	564886.6	4222208	2.26E-06	2.76E-06	1.45E-07	5.16E-06	1.20E-06	3.02E-06	1.45E-07	4.36E-06	2.96E-07	5.38E-07	4.75E-08	8.82E-07	2.29E-07	3.00E-07	2.17E-08	5.51E-07
2955	564891.9	4222191	2.23E-06	2.73E-06	1.44E-07	5.10E-06	1.18E-06	2.99E-06	1.44E-07	4.32E-06	2.93E-07	5.33E-07	4.70E-08	8.73E-07	2.27E-07	2.97E-07	2.15E-08	5.45E-07
2956	564897.2	4222174	2.2E-06	2.68E-06	1.41E-07	5.02E-06	1.16E-06	2.94E-06	1.41E-07	4.24E-06	2.88E-07	5.24E-07	4.62E-08	8.58E-07	2.23E-07	2.92E-07	2.11E-08	5.36E-07
2957	564902.5	4222157	2.14E-06	2.62E-06	1.38E-07	4.90E-06	1.14E-06	2.87E-06	1.38E-07	4.14E-06	2.81E-07	5.11E-07	4.51E-08	8.38E-07	2.18E-07	2.85E-07	2.06E-08	5.23E-07
2958	564907.8	4222140	2.08E-06	2.54E-06	1.34E-07	4.75E-06	1.10E-06	2.78E-06	1.34E-07	4.02E-06	2.73E-07	4.96E-07	4.38E-08	8.12E-07	2.11E-07	2.76E-07	2.00E-08	5.07E-07
2959	564913.2	4222123	2E-06	2.45E-06	1.29E-07	4.58E-06	1.06E-06	2.68E-06	1.29E-07	3.87E-06	2.63E-07	4.78E-07	4.22E-08	7.83E-07	2.04E-07	2.66E-07	1.92E-08	4.89E-07
2960	564923.8	4222088	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.71E-07	2.45E-06	1.18E-07	3.54E-06	2.41E-07	4.37E-07	3.86E-08	7.16E-07	1.86E-07	2.43E-07	1.76E-08	4.47E-07
2961	564939.7	4222037	1.55E-06	1.89E-06	9.95E-08	3.53E-06	8.20E-07	2.07E-06	9.95E-08	2.99E-06	2.03E-07	3.69E-07	3.26E-08	6.05E-07	1.57E-07	2.05E-07	1.49E-08	3.77E-07
2962	564942.3	4222029	1.5E-06	1.83E-06	9.65E-08	3.43E-06	7.95E-07	2.01E-06	9.65E-08	2.90E-06	1.97E-07	3.58E-07	3.16E-08	5.86E-07	1.52E-07	1.99E-07	1.44E-08	3.66E-07
2963	564947.6	4222012	1.41E-06	1.72E-06	9.05E-08	3.21E-06	7.46E-07	1.88E-06	9.05E-08	2.72E-06	1.85E-07	3.36E-07	2.96E-08	5.50E-07	1.43E-07	1.87E-07	1.35E-08	3.43E-07
2964	564952.9	4221995	1.32E-06	1.61E-06	8.48E-08	3.01E-06	6.99E-07	1.76E-06	8.48E-08	2.55E-06	1.73E-07	3.14E-07	2.77E-08	5.15E-07	1.34E-07	1.75E-07	1.27E-08	3.22E-07
2965	564958.2	4221978	1.23E-06	1.51E-06	7.93E-08	2.82E-06	6.54E-07	1.65E-06	7.93E-08	2.38E-06	1.62E-07	2.94E-07	2.60E-08	4.82E-07	1.25E-07	1.64E-07	1.18E-08	3.01E-07
2966	564963.5	4221960	1.15E-06	1.41E-06	7.42E-08	2.63E-06	6.11E-07	1.54E-06	7.42E-08	2.23E-06	1.51E-07	2.75E-07	2.43E-08	4.51E-07	1.17E-07	1.53E-07	1.11E-08	2.81E-07
2967	564974.3	4221948	1.1E-06	1.34E-06	7.09E-08	2.52E-06	5.84E-07	1.47E-06	7.09E-08	2.13E-06	1.45E-07	2.63E-07	2.32E-08	4.30E-07	1.12E-07	1.46E-07	1.06E-08	2.69E-07

2968	564982.5	4221945	1.09E-06	1.33E-06	7.00E-08	2.49E-06	5.76E-07	1.46E-06	7.00E-08	2.10E-06	1.43E-07	2.59E-07	2.29E-08	4.25E-07	1.10E-07	1.44E-07	1.04E-08	2.65E-07
2969	564998.8	4221937	1.06E-06	1.29E-06	6.82E-08	2.42E-06	5.62E-07	1.42E-06	6.82E-08	2.05E-06	1.39E-07	2.53E-07	2.23E-08	4.14E-07	1.08E-07	1.41E-07	1.02E-08	2.59E-07
2970	565015	4221930	1.03E-06	1.26E-06	6.64E-08	2.36E-06	5.47E-07	1.38E-06	6.64E-08	1.99E-06	1.35E-07	2.46E-07	2.17E-08	4.03E-07	1.05E-07	1.37E-07	9.90E-09	2.52E-07
2971	565023.2	4221926	1.02E-06	1.24E-06	6.54E-08	2.32E-06	5.39E-07	1.36E-06	6.54E-08	1.96E-06	1.33E-07	2.42E-07	2.14E-08	3.97E-07	1.03E-07	1.35E-07	9.76E-09	2.48E-07
2972	565039.5	4221919	9.86E-07	1.2E-06	6.35E-08	2.25E-06	5.23E-07	1.32E-06	6.35E-08	1.91E-06	1.29E-07	2.35E-07	2.08E-08	3.85E-07	1.00E-07	1.31E-07	9.47E-09	2.41E-07
2973	565047.6	4221915	9.71E-07	1.19E-06	6.25E-08	2.22E-06	5.15E-07	1.30E-06	6.25E-08	1.88E-06	1.27E-07	2.32E-07	2.04E-08	3.80E-07	9.87E-08	1.29E-07	9.33E-09	2.37E-07
2974	565063.9	4221908	9.41E-07	1.15E-06	6.05E-08	2.15E-06	4.99E-07	1.26E-06	6.05E-08	1.82E-06	1.24E-07	2.24E-07	1.98E-08	3.68E-07	9.56E-08	1.25E-07	9.04E-09	2.30E-07
2975	565072	4221904	9.26E-07	1.13E-06	5.96E-08	2.12E-06	4.91E-07	1.24E-06	5.96E-08	1.79E-06	1.22E-07	2.21E-07	1.95E-08	3.62E-07	9.41E-08	1.23E-07	8.89E-09	2.26E-07
2976	565088.3	4221897	8.96E-07	1.09E-06	5.77E-08	2.05E-06	4.75E-07	1.20E-06	5.77E-08	1.73E-06	1.18E-07	2.14E-07	1.89E-08	3.50E-07	9.11E-08	1.19E-07	8.61E-09	2.19E-07
2977	565112.7	4221886	8.54E-07	1.04E-06	5.49E-08	1.95E-06	4.53E-07	1.14E-06	5.49E-08	1.65E-06	1.12E-07	2.04E-07	1.80E-08	3.34E-07	8.68E-08	1.13E-07	8.20E-09	2.08E-07
2978	565129	4221878	8.27E-07	1.01E-06	5.32E-08	1.89E-06	4.38E-07	1.11E-06	5.32E-08	1.60E-06	1.09E-07	1.97E-07	1.74E-08	3.23E-07	8.40E-08	1.10E-07	7.95E-09	2.02E-07
2979	565137.2	4221875	8.14E-07	9.94E-07	5.24E-08	1.86E-06	4.32E-07	1.09E-06	5.24E-08	1.57E-06	1.07E-07	1.94E-07	1.71E-08	3.18E-07	8.27E-08	1.08E-07	7.82E-09	1.99E-07
2980	564866	4222312	2.18E-06	2.66E-06	1.40E-07	4.97E-06	1.15E-06	2.91E-06	1.40E-07	4.21E-06	2.86E-07	5.19E-07	4.58E-08	8.51E-07	2.21E-07	2.89E-07	2.09E-08	5.31E-07
2981	564867.1	4222321	2.17E-06	2.65E-06	1.39E-07	4.95E-06	1.15E-06	2.90E-06	1.39E-07	4.19E-06	2.84E-07	5.17E-07	4.56E-08	8.47E-07	2.20E-07	2.88E-07	2.08E-08	5.29E-07
2982	564868.2	4222330	2.15E-06	2.63E-06	1.39E-07	4.92E-06	1.14E-06	2.88E-06	1.39E-07	4.16E-06	2.83E-07	5.14E-07	4.54E-08	8.42E-07	2.19E-07	2.86E-07	2.07E-08	5.26E-07
2983	564869.3	4222338	2.14E-06	2.61E-06	1.38E-07	4.89E-06	1.13E-06	2.86E-06	1.38E-07	4.14E-06	2.81E-07	5.10E-07	4.50E-08	8.36E-07	2.17E-07	2.84E-07	2.05E-08	5.22E-07
2984	564856.1	4222245	2.14E-06	2.61E-06	1.38E-07	4.88E-06	1.13E-06	2.86E-06	1.38E-07	4.13E-06	2.81E-07	5.10E-07	4.50E-08	8.35E-07	2.17E-07	2.84E-07	2.05E-08	5.22E-07
2985	564861.4	4222228	2.15E-06	2.62E-06	1.38E-07	4.91E-06	1.14E-06	2.88E-06	1.38E-07	4.15E-06	2.82E-07	5.12E-07	4.52E-08	8.40E-07	2.18E-07	2.85E-07	2.06E-08	5.24E-07
2986	564877.2	4222177	2.1E-06	2.56E-06	1.35E-07	4.80E-06	1.11E-06	2.81E-06	1.35E-07	4.06E-06	2.76E-07	5.01E-07	4.42E-08	8.20E-07	2.13E-07	2.79E-07	2.02E-08	5.12E-07
2987	564882.5	4222160	2.06E-06	2.51E-06	1.32E-07	4.70E-06	1.09E-06	2.75E-06	1.32E-07	3.98E-06	2.70E-07	4.91E-07	4.33E-08	8.04E-07	2.09E-07	2.73E-07	1.98E-08	5.02E-07
2988	564887.8	4222143	2E-06	2.45E-06	1.29E-07	4.58E-06	1.06E-06	2.68E-06	1.29E-07	3.87E-06	2.63E-07	4.78E-07	4.22E-08	7.83E-07	2.04E-07	2.66E-07	1.92E-08	4.89E-07
2989	564893.1	4222126	1.94E-06	2.37E-06	1.25E-07	4.43E-06	1.03E-06	2.60E-06	1.25E-07	3.75E-06	2.55E-07	4.63E-07	4.08E-08	7.58E-07	1.97E-07	2.58E-07	1.86E-08	4.73E-07
2990	564903.7	4222092	1.79E-06	2.18E-06	1.15E-07	4.09E-06	9.48E-07	2.39E-06	1.15E-07	3.46E-06	2.35E-07	4.27E-07	3.76E-08	6.99E-07	1.82E-07	2.37E-07	1.72E-08	4.36E-07
2991	564908.9	4222075	1.7E-06	2.08E-06	1.10E-07	3.89E-06	9.03E-07	2.28E-06	1.10E-07	3.29E-06	2.24E-07	4.07E-07	3.59E-08	6.66E-07	1.73E-07	2.26E-07	1.64E-08	4.16E-07
2992	564914.2	4222058	1.62E-06	1.98E-06	1.04E-07	3.70E-06	8.58E-07	2.17E-06	1.04E-07	3.13E-06	2.12E-07	3.86E-07	3.41E-08	6.32E-07	1.64E-07	2.15E-07	1.55E-08	3.95E-07
2993	564919.5	4222041	1.53E-06	1.87E-06	9.84E-08	3.50E-06	8.11E-07	2.05E-06	9.84E-08	2.96E-06	2.01E-07	3.65E-07	3.22E-08	5.98E-07	1.55E-07	2.03E-07	1.47E-08	3.73E-07
2994	564924.8	4222024	1.44E-06	1.76E-06	9.28E-08	3.30E-06	7.65E-07	1.93E-06	9.28E-08	2.79E-06	1.89E-07	3.44E-07	3.04E-08	5.64E-07	1.47E-07	1.92E-07	1.39E-08	3.52E-07
2995	564940.6	4221973	1.2E-06	1.46E-06	7.70E-08	2.73E-06	6.34E-07	1.60E-06	7.70E-08	2.31E-06	1.57E-07	2.85E-07	2.52E-08	4.67E-07	1.21E-07	1.59E-07	1.15E-08	2.92E-07
2996	564945.9	4221956	1.12E-06	1.37E-06	7.21E-08	2.56E-06	5.94E-07	1.50E-06	7.21E-08	2.17E-06	1.47E-07	2.67E-07	2.36E-08	4.38E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
2997	564959.3	4221935	1.04E-06	1.27E-06	6.68E-08	2.37E-06	5.50E-07	1.39E-06	6.68E-08	2.01E-06	1.36E-07	2.48E-07	2.19E-08	4.06E-07	1.05E-07	1.38E-07	9.97E-09	2.53E-07
2998	564975.5	4221928	1.01E-06	1.24E-06	6.52E-08	2.31E-06	5.37E-07	1.36E-06	6.52E-08	1.96E-06	1.33E-07	2.42E-07	2.13E-08	3.96E-07	1.03E-07	1.35E-07	9.73E-09	2.47E-07
2999	564991.7	4221920	9.87E-07	1.21E-06	6.35E-08	2.26E-06	5.23E-07	1.32E-06	6.35E-08	1.91E-06	1.30E-07	2.35E-07	2.08E-08	3.86E-07	1.00E-07	1.31E-07	9.48E-09	2.41E-07
3000	564999.9	4221917	9.74E-07	1.19E-06	6.27E-08	2.23E-06	5.16E-07	1.30E-06	6.27E-08	1.88E-06	1.28E-07	2.32E-07	2.05E-08	3.81E-07	9.89E-08	1.29E-07	9.35E-09	2.38E-07
3001	565016.1	4221909	9.47E-07	1.16E-06	6.09E-08	2.16E-06	5.02E-07	1.27E-06	6.09E-08	1.83E-06	1.24E-07	2.26E-07	1.99E-08	3.70E-07	9.62E-08	1.26E-07	9.10E-09	2.31E-07
3002	565024.2	4221906	9.33E-07	1.14E-06	6.00E-08	2.13E-06	4.95E-07	1.25E-06	6.00E-08	1.80E-06	1.23E-07	2.23E-07	1.96E-08	3.65E-07	9.48E-08	1.24E-07	8.96E-09	2.28E-07
3003	565040.4	4221898	9.05E-07	1.11E-06	5.83E-08	2.07E-06	4.80E-07	1.21E-06	5.83E-08	1.75E-06	1.19E-07	2.16E-07	1.91E-08	3.54E-07	9.20E-08	1.20E-07	8.70E-09	2.21E-07
3004	565048.5	4221895	8.91E-07	1.09E-06	5.74E-08	2.04E-06	4.73E-07	1.19E-06	5.74E-08	1.72E-06	1.17E-07	2.13E-07	1.88E-08	3.48E-07	9.06E-08	1.18E-07	8.56E-09	2.18E-07
3005	565064.7	4221887	8.64E-07	1.06E-06	5.56E-08	1.98E-06	4.58E-07	1.16E-06	5.56E-08	1.67E-06	1.13E-07	2.06E-07	1.82E-08	3.38E-07	8.78E-08	1.15E-07	8.30E-09	2.11E-07
3006	565072.8	4221884	8.51E-07	1.04E-06	5.48E-08	1.94E-06	4.51E-07	1.14E-06	5.48E-08	1.64E-06	1.12E-07	2.03E-07	1.79E-08	3.33E-07	8.65E-08	1.13E-07	8.17E-09	2.08E-07
3007	565097.2	4221873	8.12E-07	9.92E-07	5.23E-08	1.86E-06	4.31E-07	1.09E-06	5.23E-08	1.57E-06	1.07E-07	1.94E-07	1.71E-08	3.18E-07	8.25E-08	1.08E-07	7.80E-09	1.98E-07
3008	565113.4	4221865	7.88E-07	9.62E-07	5.07E-08	1.80E-06	4.18E-07	1.05E-06	5.07E-08	1.52E-06	1.03E-07	1.88E-07	1.66E-08	3.08E-07	8.01E-08	1.05E-07	7.57E-09	1.92E-07
3009	565121.5	4221862	7.76E-07	9.48E-07	4.99E-08	1.77E-06	4.11E-07	1.04E-06	4.99E-08	1.50E-06	1.02E-07	1.85E-07	1.63E-08	3.03E-07	7.88E-08	1.03E-07	7.45E-09	1.89E-07
3010	564844	4222296	2.06E-06	2.51E-06	1.32E-07	4.70E-06	1.09E-06	2.75E-06	1.32E-07	3.98E-06	2.70E-07	4.91E-07	4.33E-08	8.04E-07	2.09E-07	2.73E-07	1.98E-08	5.02E-07
3011	564845.1	4222305	2.05E-06	2.51E-06	1.32E-07	4.69E-06	1.09E-06	2.75E-06	1.32E-07	3.97E-06	2.70E-07	4.90E-07	4.32E-08	8.03E-07	2.09E-07	2.73E-07	1.97E-08	5.01E-07
3012	564846.2	4222314	2.05E-06	2.5E-06	1.32E-07	4.68E-06	1.08E-06	2.74E-06	1.32E-07	3.96E-06	2.69E-07	4.88E-07	4.31E-08	8.00E-07	2.08E-07	2.72E-07	1.97E-08	4.99E-07
3013	564847.3	4222323	2.04E-06	2.49E-06	1.31E-07	4.66E-06	1.08E-06	2.73E-06	1.31E-07	3.94E-06	2.67E-07	4.86E-07	4.29E-08	7.96E-07	2.07E-07	2.71E-07	1.96E-08	4.97E-07
3014	564848.4	4222332	2.02E-06	2.47E-06	1.30E-07	4.63E-06	1.07E-06	2.71E-06	1.30E-07	3.91E-06	2.66E-07	4.83E-07	4.26E-08	7.92E-07	2.06E-07	2.69E-07	1.95E-08	4.94E-07
3015	564849.5	4222341	2.01E-06	2.46E-06	1.29E-07	4.60E-06	1.07E-06	2.69E-06	1.29E-07	3.89E-06	2.64E-07	4.80E-07	4.23E-08	7.86E-07	2.04E-07	2.67E-07	1.93E-08	4.91E-07
3016	564850.5	4222350	1.99E-06	2.44E-06	1.28E-07	4.56E-06	1.06E-06	2.67E-06	1.28E-07	3.86E-06	2.62E-07	4.76E-07	4.20E-08	7.80E-07	2.03E-07	2.65E-07	1.92E-08	4.87E-07
3017	564825.7	4222281	1.96E-06	2.4E-06	1.26E-07	4.49E-06	1.04E-06	2.63E-06	1.26E-07	3.80E-06	2.58E-07	4.68E-07	4.13E-08	7.68E-07	2.00E-07	2.61E-07	1.89E-08	4.79E-07
3018	564836.2	4222247	2.02E-06	2.47E-06	1.30E-07	4.62E-06	1.07E-06	2.71E-06	1.30E-07	3.91E-06	2.65E-07	4.82E-07	4.26E-08	7.90E-07	2.05E-07	2.69E-07	1.94E-08	4.93E-07
3019	564841.5	4222230	2.04E-06	2.49E-06	1.31E-07	4.65E-06	1.08E-06	2.73E-06	1.31E-07	3.94E-06	2.67E-07	4.86E-07	4.29E-08	7.96E-07	2.07E-07	2.70E-07	1.96E-08	4.97E-07
3020	564846.7	4222213	2.04E-06	2.49E-06	1.31E-07	4.66E-06	1.08E-06	2.73E-06	1.31E-07	3.94E-06	2.68E-07	4.86E-07	4.29E-08	7.97E-07	2.07E-07	2.71E-07	1.96E-08	4.97E-07
3021	564857.3	4222179	2.01E-06	2.45E-06	1.29E-07	4.58E-06	1.06E-06	2.68E-06	1.29E-07	3.88E-06	2.63E-07	4.78E-07	4.22E-08	7.84E-07	2.04E-07	2.66E-07	1.93E-08	4.89E-07
3022	564862.5	4222163	1.97E-06	2.41E-06	1.27E-07	4.51E-06	1.05E-06	2.64E-06	1.27E-07	3.81E-06	2.59E-07	4.70E-07	4.15E-08	7.71E-07	2.00E-07	2.62E-07	1.89E-08	4.81E-07
3023	564867.8	4222146	1.93E-06	2.36E-06	1.24E-07	4.41E-06	1.02E-06	2.58E-06	1.24E-07	3.73E-06	2.53E-07	4.60E-07	4.06E-08	7.54E-07	1.96E-07	2.56E-07	1.85E-08	4.71E-07
3024	564873.1	4222129	1.88E-06	2.29E-06	1.21E-07	4.29E-06	9.94E-07	2.51E-06	1.21E-07	3.63E-06	2.46E-07	4.47E-07	3.95E-08	7.33E-07	1.91E-07	2.49E-07	1.80E-08	4.58E-07
3025	564883.6	4222095	1.74E-06	2.13E-06	1.12E-07	3.98E-06	9.24E-07	2.33E-06	1.12E-07	3.37E-06	2.29E-07	4.16E-07	3.67E-08	6.81E-07	1.77E-07	2.31E-07	1.67E-08	4.25E-07
3026	564888.8	4222078	1.67E-06	2.04E-06	1.07E-07	3.81E-06	8.84E-07	2.23E-06	1.07E-07	3.22E-06	2.19E-07	3.98E-07	3.51E-08	6.52E-07	1.69E-07	2.22E-07	1.60E-08	4.07E-07
3027	564894.1	4222061	1.59E-06	1.94E-06	1.02E-07	3.63E-06	8.43E-07	2.13E-06	1.02E-07	3.07E-06	2.09E-07	3.79E-07	3.35E-08	6.21E-07	1.62E-07	2.11E-07	1.53E-08	3.88E-07
3028	564899.4	4222044	1.51E-06	1.84E-06	9.72E-08	3.45E-06	8.00E-07	2.02E-06	9.72E-08	2.92E-06	1.98E-07	3.60E-07	3.18E-08	5.90E-07	1.53E-07	2.01E-07	1.45E-08	3.68E-07
3029	564904.6	4222027	1.43E-06	1.75E-06	9.20E-08	3.27E-06	7.58E-07	1.91E-06	9.20E-08	2.76E-06	1.88E-07	3.41E-07	3.01E-08	5.59E-07	1.45E-07	1.90E-07	1.37E-08	3.49E-07
3030	564909.9	4222010	1.35E-06	1.65E-06	8.69E-08	3.08E-06	7.16E-07	1.81E-06	8.69E-08	2.61E-06	1.77E-07	3.22E-07	2.84E-08	5.28E-07	1.37E-07	1.79E-07	1.30E-08	3.29E-07
3031	564915.2	4221993	1.27E-06	1.55E-06	8.18E-08	2.91E-06	6.74E-07	1.70E-06	8.18E-08	2.46E-06	1.67E-07	3.03E-07	2.68E-08	4.97E-07	1.29E-07	1.69E-07	1.22E-08	3.10E-07
3032	564920.4	4221976	1.2E-06	1.46E-06	7.70E-08	2.73E-06	6.34E-07	1.60E-06	7.70E-08	2.31E-06	1.57E-07	2.85E-07	2.52E-08	4.67E-07	1.21E-07	1.59E-07	1.15E-08	2.92E-07
3033	564925.7	4221959	1.12E-06	1.37E-06	7.23E-08	2.57E-06	5.96E-07	1.50E-06	7.23E-08	2.17E-06	1.48E-07	2.68E-07	2.37E-08	4.39E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
3034	564944.3	4221922	9.8E-07	1.2E-06	6.31E-08	2.24E-06	5.20E-07	1.31E-06	6.31E-08	1.89E-06	1.29E-07	2.34E-07	2.06E-08	3.83E-07	9.96E-08	1.30E-07	9.41E-09	2.39E-07
3035	564952.4	4221918	9.68E-07	1.18E-06	6.23E-08	2.21E-06	5.13E-07	1.30E-06	6.23E-08	1.87E-06	1.27E-07	2.31E-07	2.04E-08	3.79E-07	9.84E-08	1.29E-07	9.30E-09	2.36E-07
3036	564968.5	4221911	9.45E-07	1.15E-06	6.08E-08	2.16E-06	5.01E-07	1.27E-06	6.08E-08	1.83E-06	1.24E-07	2.25E-07	1.99E-08	3.69E-07	9.60E-08	1.26E-07	9.08E-09	2.31E-07
3037	564976.6	4221907	9.33E-07	1.14E-06	6.01E-08	2.13E-06	4.95E-07	1.25E-06	6.01E-08	1.80E-06	1.23E-07	2.23E-07	1.97E-08	3.65E-07	9.48E-08	1.24E-07	8.97E-09	2.28E-07
3038	564992.8	4221900	9.09E-07	1.11E-06	5.85E-08	2.08E-06	4.82E-07	1.22E-06	5.85E-08	1.76E-06	1.19E-07	2.17E-07	1.91E-08	3.55E-07	9.24E-08	1.21E-07	8.73E-09	2.22E-07
3039	565000.8	4221896	8.96E-07	1.09E-06	5.77E-08	2.05E-06	4.75E-07	1.20E-06	5.77E-08	1.73E-06	1.18E-07	2.14E-07	1.89E-08	3.50E-07	9.11E-08	1.19E-07	8.61E-09	2.19E-07
3040	565017	4221889	8.71E-07	1.06E-06	5.61E-08	1.99E-06	4.62E-07	1.17E-06	5.61E-08	1.68E-06	1.14E-07	2.08E-07	1.83E-08	3.41E-07	8.85E-08	1.16E-07	8.37E-09	2.13E-07
3041	565033.2	4221882	8.46E-07	1.03E-06	5.45E-08	1.93E-06	4.49E-07	1.13E-06	5.45E-08	1.64E-06	1.11E-07	2.02E-07	1.78E-08	3.31E-07	8.60E-08	1.12E-07	8.13E-09	2.06E-07
3042	565049.3	4221874	8.21E-07	1E-06	5.29E-08	1.88E-06	4.35E-07	1.10E-06	5.29E-08	1.59E-06	1.08E-07	1.96E-07	1.73E-08	3.21E-07	8.34E-08	1.09E-07	7.89E-09	2.00E-07
3043	565057.4	4221871	8.09E-07	9.88E-07	5.21E-08	1.85E-06	4.29E-07	1.08E-06	5.21E-08	1.56E-06	1.06E-07	1.93E-07	1.70E-08	3.16E-07	8.22E-08	1.07E-07	7.77E-09	1.97E-07
3044	565081.6	4221860	7.74E-07	9.45E-07	4.98E-08	1.77E-06	4.10E-07	1.04E-06	4.98E-08	1.50E-06	1.02E-07	1.85E-07	1.63E-08	3.03E-07	7.86E-08	1.03E-07	7.44E-09	1.89E-07
3045	565097.8	4221852	7.51E-07	9.17E-07	4.83E-08	1.72E-06	3.98E-07	1.01E-06	4.83E-08	1.45E-06	9.86E-08	1.79E-07	1.58E-08	2.94E-07	7.63E-08	9.98E-08	7.22E-09	1.83E-07
3046	565105.9	4221849	7.4E-07	9.04E-07	4.76E-08	1.69E-06	3.92E-07	9.91E-07	4.76E-08	1.43E-06	9.72E-08	1.77E-07	1.56E-08	2.89E-07	7.52E-08	9.83E-08	7.11E-09	1.81E-07
3047	564824.2	4222299	1.94E-06	2.37E-06	1.25E-07	4.43E-06	1.03E-06	2.60E-06	1.25E-07	3.75E-06	2.55E-07	4.63E-07	4.09E-08	7.59E-07	1.97E-07	2.58E-07	1.86E-08	4.74E-07
3048	564825.2	4222307	1.94E-06	2.36E-06	1.25E-07	4.42E-06	1.03E-06	2.59E-06	1.25E-07	3.74E-06	2.54E-07	4.62E-07	4.08E-08	7.57E-07	1.97E-07	2.57E-07	1.86E-08	4.72E-07
3049	564826.3	4222316	1.93E-06	2.36E-06	1.24E-07	4.41E-06	1.02E-06	2.58E-06	1.24E-07	3.73E-06	2.53E-07	4.60E-07	4.06E-08	7.54E-07	1.96E-07	2.56E-07	1.85E-08	4.71E-07
3050	564827.4	4222325	1.92E-06	2.34E-06	1.24E-07	4.39E-06	1.02E-06	2.57E-06	1.24E-07	3.71E-06	2.52E-07	4.58E-07	4.04E-08	7.50E-07	1.95E-07	2.55E-07	1.84E-08	4.68E-07
3051	564828.5	4222334	1.91E-06	2.33E-06	1.23E-07	4.36E-06	1.01E-06	2.55E-06	1.23E-07	3.69E-06	2.51E-07	4.55E-07	4.02E-08	7.46E-07	1.94E-07	2.53E-07	1.83E-08	4.66E-07
3052	564829.6	4222343	1.89E-06	2.31E-06	1.22E-07	4.33E-06	1.00E-06	2.54E-06	1.22E-07	3.66E-06	2.49E-07	4.52E-07	3.99E-08	7.41E-07	1.93E-07	2.52E-07	1.82E-08	4.62E-07
3053	564805.8	4222284	1.86E-06	2.27E-06	1.20E-07	4.25E-06	9.85E-07	2.49E-06	1.20E-07	3.59E-06	2.44E-07	4.43E-07	3.91E-08	7.26E-07	1.89E-07	2.47E-07	1.78E-08	4.53E-07
3054	564811.1	4222267	1.89E-06	2.31E-06	1.22E-07	4.32E-06	1.00E-06	2.53E-06	1.22E-07	3.66E-06	2.48E-07	4.51E-07	3.98E-08	7.39E-07	1.92E-07	2.51E-07	1.82E-08	4.62E-07
3055	564821.6	4222233	1.93E-06	2.36E-06	1.24E-07	4.42E-06	1.02E-06	2.59E-06	1.24E-07	3.74E-06	2.54E-07	4.61E-07	4.07E-08	7.56E-07	1.96E-07	2.57E-07	1.86E-08	4.72E-07
3056	564826.8	4222216	1.94E-06	2.37E-06	1.25E-07	4.43E-06	1.03E-06	2.60E-06	1.25E-07	3.75E-06	2.55E-07	4.63E-07	4.08E-08	7.58E-07	1.97E-07	2.58E-07	1.86E-08	4.73E-07
3057	564832.1	4222199	1.93E-06	2.36E-06	1.24E-07	4.42E-06	1.03E-06	2.59E-06	1.24E-07	3.74E-06	2.54E-07	4.61E-07	4.07E-08	7.56E-07	1.97E-07	2.57E-07	1.86E-08	4.72E-07
3058	564837.3	4222182	1.92E-06	2.34E-06	1.23E-07	4.38E-06	1.02E-06	2.57E-06	1.23E-07	3.71E-06	2.52E-07	4.58E-07	4.04E-08	7.50E-07	1.95E-07	2.55E-07	1.84E-08	4.68E-07
3059	564842.5	4222165	1.89E-06	2.31E-06	1.22E-07	4.32E-06	1.00E-06	2.53E-06	1.22E-07	3.66E-06	2.48E-07	4.51E-07	3.98E-08	7.40E-07	1.92E-07	2.51E-07	1.82E-08	4.62E-07
3060	564847.8	4222149	1.86E-06	2.27E-06	1.19E-07	4.24E-06	9.84E-07	2.48E-06	1.19E-07	3.59E-06	2.44E-07	4.43E-07	3.91E-08	7.26E-07	1.89E-07	2.47E-07	1.78E-08	4.53E-07
3061	564853	4222132	1.81E-06	2.21E-06	1.17E-07	4.14E-06	9.60E-07	2.43E-06	1.17E-07	3.50E-06	2.38E-07	4.32E-07	3.81E-08	7.08E-07	1.84E-07	2.41E-07	1.74E-08	4.42E-07
3062	564863.5	4222098	1.7E-06	2.07E-06	1.09E-07	3.88E-06	9.00E-07	2.27E-06	1.09E-07	3.28E-06	2.23E-07	4.05E-07	3.57E-08	6.63E-07	1.72E-07	2.25E-07	1.63E-08	4.14E-07
3063	564868.8	4222081	1.63E-06	1.99E-06	1.05E-07	3.73E-06	8.64E-07	2.18E-06	1.05E-07	3.15E-06	2.14E-07	3.89E-07	3.43E-08	6.37E-07	1.66E-07	2.17E-07	1.57E-08	3.98E-07
3064	564874	4222064	1.56E-06	1.9E-06	1.00E-07	3.56E-06	8.27E-07	2.09E-06	1.00E-07	3.02E-06	2.05E-07	3.72E-07	3.28E-08	6.10E-07	1.58E-07	2.07E-07	1.50E-08	3.81E-07
3065	564879.3	4222047	1.49E-06	1.82E-06	9.57E-08	3.40E-06	7.88E-07	1.99E-06	9.57E-08	2.87E-06	1.95E-07	3.55E-07	3.13E-08	5.81E-07	1.51E-07	1.97E-07	1.43E-08	3.63E-07
3066	564884.5	4222030	1.41E-06	1.73E-06	9.09E-08	3.23E-06	7.49E-07	1.89E-06	9.09E-08	2.73E-06	1.86E-07	3.37E-07	2.98E-08	5.52E-07	1.44E-07	1.88E-07	1.36E-08	3.45E-07
3067	564889.8	4222013	1.34E-06	1.64E-06	8.62E-08	3.06E-06	7.10E-07	1.79E-06	8.62E-08	2.59E-06	1.76E-07	3.19E-07	2.82E-08	5.23E-07	1.36E-07	1.78E-07	1.29E-08	3.27E-07
3068	564895	4221997	1.27E-06	1.55E-06	8.15E-08	2.89E-06	6.71E-07	1.69E-06	8.15E-08	2.45E-06	1.66E-07	3.02E-07	2.67E-08	4.95E-07	1.29E-07	1.68E-07	1.22E-08	3.09E-07
3069	564900.2	4221980	1.19E-06	1.46E-06	7.68E-08	2.73E-06	6.33E-07	1.60E-06	7.68E-08	2.31E-06	1.57E-07	2.85E-07	2.51E-08	4.67E-07	1.21E-07	1.59E-07	1.15E-08	2.91E-07
3070	564905.5	4221963	1.13E-06	1.37E-06	7.24E-08	2.57E-06	5.96E-07	1.51E-06	7.24E-08	2.18E-06	1.48E-07	2.68E-07	2.37E-08	4.40E-07	1.14E-07	1.49E-07	1.08E-08	2.75E-07
3071	564910.7	4221946	1.06E-06	1.29E-06	6.82E-08	2.42E-06	5.62E-07	1.42E-06	6.82E-08	2.05E-06	1.39E-07	2.53E-07	2.23E-08	4.14E-07	1.08E-07	1.41E-07	1.02E-08	2.59E-07
3072	564916	4221929	9.97E-07	1.22E-06	6.42E-08	2.28E-06	5.29E-07	1.33E-06	6.42E-08	1.93E-06	1.31E-07	2.38E-07	2.10E-08	3.90E-07	1.01E-07	1.32E-07	9.58E-09	2.43E-07
3073	564945.4	4221901	9.06E-07	1.11E-06	5.83E-08	2.07E-06	4.80E-07	1.21E-06	5.83E-08	1.75E-06	1.19E-07	2.16E-07	1.91E-08	3.54E-07	9.21E-08	1.20E-07	8.70E-09	2.21E-07
3074	564953.4	4221898	8.95E-07	1.09E-06	5.76E-08	2.05E-06	4.75E-07	1.20E-06	5.76E-08	1.73E-06	1.18E-07	2.14E-07	1.88E-08	3.50E-07	9.10E-08	1.19E-07	8.60E-09	2.18E-07
3075	564969.5	4221890	8.73E-07	1.07E-06	5.62E-08	2.00E-06	4.63E-07	1.17E-06	5.62E-08	1.69E-06	1.15E-07	2.08E-07	1.84E-08	3.41E-07	8.87E-08	1.16E-07	8.39E-09	2.13E-07
3076	564985.6	4221883	8.51E-07	1.04E-06	5.48E-08	1.94E-06	4.51E-07	1.14E-06	5.48E-08	1.64E-06	1.12E-07	2.03E-07	1.79E-08	3.33E-07	8.64E-08	1.13E-07	8.17E-09	2.08E-07
3077	565001.7	4221876	8.27E-07	1.01E-06	5.33E-08	1.89E-06	4.39E-07	1.11E-06	5.33E-08	1.60E-06	1.09E-07	1.97E-07	1.74E-08	3.23E-07	8.41E-08	1.10E-07	7.95E-09	2.02E-07

3078	565050.1	4221854	7.59E-07	9.27E-07	4.89E-08	1.74E-06	4.02E-07	1.02E-06	4.89E-08	1.47E-06	9.97E-08	1.81E-07	1.60E-08	2.97E-07	7.71E-08	1.01E-07	7.29E-09	1.85E-07
3079	565066.2	4221847	7.38E-07	9.01E-07	4.75E-08	1.69E-06	3.91E-07	9.88E-07	4.75E-08	1.43E-06	9.69E-08	1.76E-07	1.55E-08	2.88E-07	7.50E-08	9.80E-08	7.09E-09	1.80E-07
3080	565082.3	4221839	7.17E-07	8.76E-07	4.61E-08	1.64E-06	3.80E-07	9.60E-07	4.61E-08	1.39E-06	9.41E-08	1.71E-07	1.51E-08	2.80E-07	7.29E-08	9.52E-08	6.89E-09	1.75E-07
3081	564804.3	4222301	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.73E-07	2.46E-06	1.18E-07	3.55E-06	2.41E-07	4.38E-07	3.86E-08	7.17E-07	1.86E-07	2.44E-07	1.76E-08	4.48E-07
3082	564805.4	4222310	1.83E-06	2.23E-06	1.18E-07	4.18E-06	9.70E-07	2.45E-06	1.18E-07	3.54E-06	2.40E-07	4.36E-07	3.85E-08	7.15E-07	1.86E-07	2.43E-07	1.76E-08	4.46E-07
3083	564806.5	4222319	1.82E-06	2.22E-06	1.17E-07	4.16E-06	9.66E-07	2.44E-06	1.17E-07	3.52E-06	2.39E-07	4.35E-07	3.84E-08	7.12E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
3084	564807.6	4222328	1.81E-06	2.21E-06	1.17E-07	4.14E-06	9.61E-07	2.43E-06	1.17E-07	3.50E-06	2.38E-07	4.32E-07	3.82E-08	7.08E-07	1.84E-07	2.41E-07	1.74E-08	4.42E-07
3085	564809.7	4222346	1.79E-06	2.18E-06	1.15E-07	4.09E-06	9.48E-07	2.39E-06	1.15E-07	3.46E-06	2.35E-07	4.27E-07	3.77E-08	6.99E-07	1.82E-07	2.37E-07	1.72E-08	4.36E-07
3086	564810.8	4222355	1.77E-06	2.17E-06	1.14E-07	4.05E-06	9.40E-07	2.37E-06	1.14E-07	3.43E-06	2.33E-07	4.23E-07	3.73E-08	6.93E-07	1.80E-07	2.36E-07	1.70E-08	4.33E-07
3087	564786	4222286	1.76E-06	2.15E-06	1.13E-07	4.02E-06	9.33E-07	2.36E-06	1.13E-07	3.40E-06	2.31E-07	4.20E-07	3.71E-08	6.88E-07	1.79E-07	2.34E-07	1.69E-08	4.30E-07
3088	564788.7	4222277	1.78E-06	2.17E-06	1.14E-07	4.06E-06	9.42E-07	2.38E-06	1.14E-07	3.44E-06	2.33E-07	4.24E-07	3.74E-08	6.95E-07	1.81E-07	2.36E-07	1.71E-08	4.34E-07
3089	564794	4222260	1.81E-06	2.21E-06	1.16E-07	4.13E-06	9.59E-07	2.42E-06	1.16E-07	3.50E-06	2.37E-07	4.31E-07	3.81E-08	7.07E-07	1.84E-07	2.40E-07	1.74E-08	4.41E-07
3090	564799.4	4222243	1.83E-06	2.24E-06	1.18E-07	4.18E-06	9.71E-07	2.45E-06	1.18E-07	3.54E-06	2.40E-07	4.37E-07	3.86E-08	7.16E-07	1.86E-07	2.43E-07	1.76E-08	4.47E-07
3091	564807.4	4222217	1.85E-06	2.26E-06	1.19E-07	4.22E-06	9.79E-07	2.47E-06	1.19E-07	3.57E-06	2.43E-07	4.41E-07	3.89E-08	7.22E-07	1.88E-07	2.45E-07	1.77E-08	4.51E-07
3092	564812.7	4222200	1.84E-06	2.25E-06	1.19E-07	4.22E-06	9.78E-07	2.47E-06	1.19E-07	3.57E-06	2.42E-07	4.40E-07	3.89E-08	7.21E-07	1.87E-07	2.45E-07	1.77E-08	4.50E-07
3093	564815.4	4222191	1.84E-06	2.25E-06	1.18E-07	4.21E-06	9.76E-07	2.46E-06	1.18E-07	3.56E-06	2.42E-07	4.39E-07	3.88E-08	7.20E-07	1.87E-07	2.44E-07	1.77E-08	4.49E-07
3094	564820.8	4222174	1.82E-06	2.23E-06	1.17E-07	4.17E-06	9.67E-07	2.44E-06	1.17E-07	3.53E-06	2.39E-07	4.35E-07	3.84E-08	7.13E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
3095	564826.1	4222157	1.8E-06	2.19E-06	1.16E-07	4.11E-06	9.53E-07	2.41E-06	1.16E-07	3.47E-06	2.36E-07	4.29E-07	3.78E-08	7.02E-07	1.83E-07	2.39E-07	1.73E-08	4.38E-07
3096	564831.4	4222140	1.76E-06	2.15E-06	1.13E-07	4.02E-06	9.33E-07	2.36E-06	1.13E-07	3.40E-06	2.31E-07	4.20E-07	3.71E-08	6.88E-07	1.79E-07	2.34E-07	1.69E-08	4.30E-07
3097	564836.8	4222122	1.72E-06	2.1E-06	1.10E-07	3.92E-06	9.09E-07	2.30E-06	1.10E-07	3.32E-06	2.25E-07	4.09E-07	3.61E-08	6.71E-07	1.74E-07	2.28E-07	1.65E-08	4.19E-07
3098	564844.8	4222097	1.63E-06	2E-06	1.05E-07	3.74E-06	8.67E-07	2.19E-06	1.05E-07	3.16E-06	2.15E-07	3.90E-07	3.44E-08	6.39E-07	1.66E-07	2.17E-07	1.57E-08	3.99E-07
3099	564863.5	4222037	1.41E-06	1.72E-06	9.05E-08	3.21E-06	7.45E-07	1.88E-06	9.05E-08	2.72E-06	1.85E-07	3.35E-07	2.96E-08	5.50E-07	1.43E-07	1.87E-07	1.35E-08	3.43E-07
3100	564868.8	4222019	1.34E-06	1.63E-06	8.60E-08	3.05E-06	7.08E-07	1.79E-06	8.60E-08	2.58E-06	1.75E-07	3.19E-07	2.81E-08	5.22E-07	1.36E-07	1.77E-07	1.28E-08	3.26E-07
3101	564871.5	4222011	1.3E-06	1.59E-06	8.37E-08	2.97E-06	6.90E-07	1.74E-06	8.37E-08	2.51E-06	1.71E-07	3.10E-07	2.74E-08	5.09E-07	1.32E-07	1.73E-07	1.25E-08	3.17E-07
3102	564876.9	4221994	1.23E-06	1.5E-06	7.92E-08	2.81E-06	6.53E-07	1.65E-06	7.92E-08	2.38E-06	1.62E-07	2.94E-07	2.59E-08	4.81E-07	1.25E-07	1.64E-07	1.18E-08	3.00E-07
3103	564882.2	4221976	1.16E-06	1.42E-06	7.48E-08	2.66E-06	6.16E-07	1.56E-06	7.48E-08	2.25E-06	1.53E-07	2.77E-07	2.45E-08	4.54E-07	1.18E-07	1.54E-07	1.12E-08	2.84E-07
3104	564884.9	4221968	1.13E-06	1.38E-06	7.27E-08	2.58E-06	5.99E-07	1.51E-06	7.27E-08	2.18E-06	1.48E-07	2.69E-07	2.38E-08	4.42E-07	1.15E-07	1.50E-07	1.09E-08	2.76E-07
3105	564890.2	4221951	1.06E-06	1.3E-06	6.85E-08	2.43E-06	5.65E-07	1.43E-06	6.85E-08	2.06E-06	1.40E-07	2.54E-07	2.24E-08	4.16E-07	1.08E-07	1.41E-07	1.02E-08	2.60E-07
3106	564895.6	4221933	1E-06	1.23E-06	6.46E-08	2.29E-06	5.32E-07	1.34E-06	6.46E-08	1.94E-06	1.32E-07	2.39E-07	2.11E-08	3.92E-07	1.02E-07	1.33E-07	9.64E-09	2.45E-07
3107	564900.9	4221916	9.45E-07	1.15E-06	6.08E-08	2.16E-06	5.01E-07	1.26E-06	6.08E-08	1.83E-06	1.24E-07	2.25E-07	1.99E-08	3.69E-07	9.60E-08	1.25E-07	9.08E-09	2.31E-07
3108	564914.4	4221895	8.79E-07	1.07E-06	5.66E-08	2.01E-06	4.66E-07	1.18E-06	5.66E-08	1.70E-06	1.15E-07	2.10E-07	1.85E-08	3.44E-07	8.94E-08	1.17E-07	8.45E-09	2.15E-07
3109	564922.6	4221892	8.69E-07	1.06E-06	5.60E-08	1.99E-06	4.61E-07	1.16E-06	5.60E-08	1.68E-06	1.14E-07	2.07E-07	1.83E-08	3.40E-07	8.83E-08	1.15E-07	8.35E-09	2.12E-07
3110	564939	4221884	8.49E-07	1.04E-06	5.46E-08	1.94E-06	4.50E-07	1.14E-06	5.46E-08	1.64E-06	1.11E-07	2.02E-07	1.79E-08	3.32E-07	8.62E-08	1.13E-07	8.15E-09	2.07E-07
3111	564955.5	4221877	8.28E-07	1.01E-06	5.33E-08	1.89E-06	4.39E-07	1.11E-06	5.33E-08	1.60E-06	1.09E-07	1.97E-07	1.74E-08	3.24E-07	8.41E-08	1.10E-07	7.95E-09	2.02E-07
3112	564971.9	4221869	8.06E-07	9.85E-07	5.19E-08	1.84E-06	4.27E-07	1.08E-06	5.19E-08	1.56E-06	1.06E-07	1.92E-07	1.70E-08	3.15E-07	8.19E-08	1.07E-07	7.75E-09	1.97E-07
3113	564980.1	4221866	7.95E-07	9.72E-07	5.12E-08	1.82E-06	4.22E-07	1.07E-06	5.12E-08	1.54E-06	1.04E-07	1.90E-07	1.68E-08	3.11E-07	8.08E-08	1.06E-07	7.64E-09	1.94E-07
3114	564996.5	4221858	7.74E-07	9.45E-07	4.98E-08	1.77E-06	4.10E-07	1.04E-06	4.98E-08	1.50E-06	1.02E-07	1.85E-07	1.63E-08	3.02E-07	7.86E-08	1.03E-07	7.43E-09	1.89E-07
3115	565012.9	4221851	7.52E-07	9.19E-07	4.84E-08	1.72E-06	3.99E-07	1.01E-06	4.84E-08	1.45E-06	9.88E-08	1.79E-07	1.58E-08	2.94E-07	7.64E-08	9.99E-08	7.23E-09	1.84E-07
3116	565021.1	4221847	7.42E-07	9.06E-07	4.77E-08	1.70E-06	3.93E-07	9.93E-07	4.77E-08	1.43E-06	9.74E-08	1.77E-07	1.56E-08	2.90E-07	7.54E-08	9.85E-08	7.13E-09	1.81E-07
3117	565037.5	4221840	7.21E-07	8.8E-07	4.64E-08	1.65E-06	3.82E-07	9.65E-07	4.64E-08	1.39E-06	9.47E-08	1.72E-07	1.52E-08	2.82E-07	7.32E-08	9.57E-08	6.92E-09	1.76E-07
3118	565053.9	4221832	7.01E-07	8.56E-07	4.51E-08	1.60E-06	3.71E-07	9.38E-07	4.51E-08	1.35E-06	9.20E-08	1.67E-07	1.48E-08	2.74E-07	7.12E-08	9.31E-08	6.73E-09	1.71E-07
3119	565070.3	4221825	6.81E-07	8.32E-07	4.38E-08	1.56E-06	3.61E-07	9.12E-07	4.38E-08	1.32E-06	8.94E-08	1.62E-07	1.43E-08	2.66E-07	6.92E-08	9.05E-08	6.54E-09	1.66E-07
3120	565078.5	4221821	6.71E-07	8.2E-07	4.32E-08	1.53E-06	3.56E-07	8.99E-07	4.32E-08	1.30E-06	8.82E-08	1.60E-07	1.41E-08	2.63E-07	6.82E-08	8.92E-08	6.45E-09	1.64E-07
3121	564784.4	4222303	1.74E-06	2.12E-06	1.12E-07	3.97E-06	9.21E-07	2.33E-06	1.12E-07	3.36E-06	2.28E-07	4.14E-07	3.66E-08	6.79E-07	1.77E-07	2.31E-07	1.67E-08	4.24E-07
3122	564785.5	4222312	1.73E-06	2.11E-06	1.11E-07	3.96E-06	9.18E-07	2.32E-06	1.11E-07	3.35E-06	2.27E-07	4.13E-07	3.65E-08	6.77E-07	1.76E-07	2.30E-07	1.66E-08	4.23E-07
3123	564786.6	4222321	1.72E-06	2.1E-06	1.11E-07	3.94E-06	9.14E-07	2.31E-06	1.11E-07	3.33E-06	2.26E-07	4.11E-07	3.63E-08	6.74E-07	1.75E-07	2.29E-07	1.66E-08	4.21E-07
3124	564789.9	4222348	1.69E-06	2.06E-06	1.09E-07	3.86E-06	8.96E-07	2.26E-06	1.09E-07	3.27E-06	2.22E-07	4.03E-07	3.56E-08	6.61E-07	1.72E-07	2.25E-07	1.62E-08	4.13E-07
3125	564791	4222357	1.68E-06	2.05E-06	1.08E-07	3.83E-06	8.89E-07	2.24E-06	1.08E-07	3.24E-06	2.20E-07	4.00E-07	3.53E-08	6.55E-07	1.70E-07	2.23E-07	1.61E-08	4.09E-07
3126	564766.2	4222288	1.67E-06	2.04E-06	1.07E-07	3.82E-06	8.85E-07	2.23E-06	1.07E-07	3.23E-06	2.19E-07	3.98E-07	3.52E-08	6.53E-07	1.70E-07	2.22E-07	1.60E-08	4.07E-07
3127	564771.5	4222271	1.7E-06	2.08E-06	1.10E-07	3.89E-06	9.02E-07	2.28E-06	1.10E-07	3.29E-06	2.23E-07	4.06E-07	3.58E-08	6.65E-07	1.73E-07	2.26E-07	1.64E-08	4.15E-07
3128	564776.8	4222254	1.73E-06	2.11E-06	1.11E-07	3.95E-06	9.17E-07	2.32E-06	1.11E-07	3.34E-06	2.27E-07	4.13E-07	3.64E-08	6.76E-07	1.76E-07	2.30E-07	1.66E-08	4.22E-07
3129	564782.1	4222237	1.75E-06	2.14E-06	1.13E-07	4.00E-06	9.27E-07	2.34E-06	1.13E-07	3.38E-06	2.30E-07	4.17E-07	3.68E-08	6.84E-07	1.78E-07	2.32E-07	1.68E-08	4.27E-07
3130	564792.8	4222203	1.76E-06	2.15E-06	1.13E-07	4.03E-06	9.34E-07	2.36E-06	1.13E-07	3.41E-06	2.31E-07	4.20E-07	3.71E-08	6.89E-07	1.79E-07	2.34E-07	1.69E-08	4.30E-07
3131	564798.1	4222185	1.75E-06	2.14E-06	1.13E-07	4.01E-06	9.30E-07	2.35E-06	1.13E-07	3.39E-06	2.30E-07	4.19E-07	3.70E-08	6.86E-07	1.78E-07	2.33E-07	1.69E-08	4.28E-07
3132	564803.4	4222168	1.74E-06	2.12E-06	1.12E-07	3.97E-06	9.22E-07	2.33E-06	1.12E-07	3.36E-06	2.28E-07	4.15E-07	3.66E-08	6.80E-07	1.77E-07	2.31E-07	1.67E-08	4.24E-07
3133	564808.7	4222151	1.71E-06	2.09E-06	1.10E-07	3.92E-06	9.08E-07	2.29E-06	1.10E-07	3.31E-06	2.25E-07	4.09E-07	3.61E-08	6.70E-07	1.74E-07	2.28E-07	1.65E-08	4.18E-07
3134	564814.1	4222134	1.68E-06	2.05E-06	1.08E-07	3.84E-06	8.90E-07	2.25E-06	1.08E-07	3.25E-06	2.21E-07	4.01E-07	3.54E-08	6.57E-07	1.71E-07	2.23E-07	1.61E-08	4.10E-07
3135	564824.7	4222100	1.59E-06	1.94E-06	1.02E-07	3.63E-06	8.42E-07	2.13E-06	1.02E-07	3.07E-06	2.09E-07	3.79E-07	3.35E-08	6.21E-07	1.61E-07	2.11E-07	1.53E-08	3.88E-07
3136	564830	4222083	1.54E-06	1.88E-06	9.88E-08	3.51E-06	8.14E-07	2.06E-06	9.88E-08	2.97E-06	2.02E-07	3.66E-07	3.23E-08	6.00E-07	1.56E-07	2.04E-07	1.48E-08	3.75E-07
3137	564835.4	4222066	1.48E-06	1.81E-06	9.51E-08	3.38E-06	7.84E-07	1.98E-06	9.51E-08	2.86E-06	1.94E-07	3.53E-07	3.11E-08	5.78E-07	1.50E-07	1.96E-07	1.42E-08	3.61E-07
3138	564840.7	4222048	1.42E-06	1.73E-06	9.11E-08	3.24E-06	7.51E-07	1.90E-06	9.11E-08	2.74E-06	1.86E-07	3.38E-07	2.98E-08	5.54E-07	1.44E-07	1.88E-07	1.36E-08	3.46E-07
3139	564846	4222031	1.35E-06	1.65E-06	8.70E-08	3.09E-06	7.17E-07	1.81E-06	8.70E-08	2.61E-06	1.78E-07	3.23E-07	2.85E-08	5.29E-07	1.37E-07	1.80E-07	1.30E-08	3.30E-07
3140	564862	4221980	1.16E-06	1.41E-06	7.45E-08	2.65E-06	6.14E-07	1.55E-06	7.45E-08	2.24E-06	1.52E-07	2.76E-07	2.44E-08	4.53E-07	1.18E-07	1.54E-07	1.11E-08	2.83E-07
3141	564867.3	4221963	1.1E-06	1.34E-06	7.05E-08	2.50E-06	5.81E-07	1.47E-06	7.05E-08	2.12E-06	1.44E-07	2.61E-07	2.31E-08	4.28E-07	1.11E-07	1.46E-07	1.05E-08	2.67E-07
3142	564870	4221954	1.07E-06	1.3E-06	6.86E-08	2.43E-06	5.65E-07	1.43E-06	6.86E-08	2.06E-06	1.40E-07	2.54E-07	2.24E-08	4.16E-07	1.08E-07	1.41E-07	1.02E-08	2.60E-07
3143	564875.3	4221937	1.01E-06	1.23E-06	6.47E-08	2.30E-06	5.33E-07	1.35E-06	6.47E-08	1.94E-06	1.32E-07	2.40E-07	2.12E-08	3.93E-07	1.02E-07	1.34E-07	9.67E-09	2.46E-07
3144	564880.6	4221920	9.49E-07	1.16E-06	6.11E-08	2.17E-06	5.03E-07	1.27E-06	6.11E-08	1.84E-06	1.25E-07	2.27E-07	2.00E-08	3.71E-07	9.65E-08	1.26E-07	9.12E-09	2.32E-07
3145	564885.9	4221903	8.95E-07	1.09E-06	5.76E-08	2.05E-06	4.75E-07	1.20E-06	5.76E-08	1.73E-06	1.18E-07	2.14E-07	1.89E-08	3.50E-07	9.10E-08	1.19E-07	8.60E-09	2.19E-07
3146	564899.4	4221882	8.35E-07	1.02E-06	5.38E-08	1.91E-06	4.43E-07	1.12E-06	5.38E-08	1.61E-06	1.10E-07	1.99E-07	1.76E-08	3.27E-07	8.49E-08	1.11E-07	8.02E-09	2.04E-07
3147	564915.8	4221875	8.16E-07	9.97E-07	5.25E-08	1.87E-06	4.33E-07	1.09E-06	5.25E-08	1.58E-06	1.07E-07	1.95E-07	1.72E-08	3.19E-07	8.29E-08	1.08E-07	7.84E-09	1.99E-07
3148	564948.5	4221860	7.77E-07	9.49E-07	5.00E-08	1.78E-06	4.12E-07	1.04E-06	5.00E-08	1.50E-06	1.02E-07	1.85E-07	1.64E-08	3.04E-07	7.90E-08	1.03E-07	7.47E-09	1.90E-07
3149	564956.6	4221856	7.68E-07	9.38E-07	4.94E-08	1.75E-06	4.07E-07	1.03E-06	4.94E-08	1.48E-06	1.01E-07	1.83E-07	1.62E-08	3.00E-07	7.80E-08	1.02E-07	7.38E-09	1.87E-07
3150	564973	4221849	7.48E-07	9.13E-07	4.81E-08	1.71E-06	3.96E-07	1.00E-06	4.81E-08	1.45E-06	9.82E-08	1.78E-07	1.57E-08	2.92E-07	7.60E-08	9.93E-08	7.18E-09	1.82E-07
3151	564981.1	4221845	7.38E-07	9.01E-07	4.75E-08	1.69E-06	3.91E-07	9.88E-07	4.75E-08	1.43E-06	9.69E-08	1.76E-07	1.55E-08	2.88E-07	7.50E-08	9.80E-08	7.09E-09	1.80E-07
3152	564997.5	4221838	7.18E-07	8.77E-07	4.62E-08	1.64E-06	3.81E-07	9.61E-07	4.62E-08	1.39E-06	9.43E-08	1.71E-07	1.51E-08	2.81E-07	7.30E-08	9.54E-08	6.90E-09	1.75E-07
3153	565013.8	4221830	6.98E-07	8.53E-07	4.50E-08	1.60E-06	3.70E-07	9.35E-07	4.50E-08	1.35E-06	9.17E-08	1.67E-07	1.47E-08	2.73E-07	7.10E-08	9.28E-08	6.71E-09	1.70E-07
3154	565022	4221827	6.89E-07	8.41E-07	4.43E-08	1.57E-06	3.65E-07	9.22E-07	4.43E-08	1.33E-06	9.05E-08	1.64E-07	1.45E-08	2.69E-07	7.00E-08	9.15E-08	6.62E-09	1.68E-07
3155	565038.3	4221819	6.7E-07	8.18E-07	4.31E-08	1.53E-06	3.55E-07	8.97E-07	4.31E-08	1.30E-06	8.80E-08	1.60E-07	1.41E-08	2.62E-07	6.81E-08	8.90E-08	6.44E-09	1.64E-07
3156	565054.7	4221812	6.52E-07	7.96E-07	4.20E-08	1.49E-06	3.46E-07	8.73E-07	4.20E-08	1.26E-06	8.56E-08	1.56E-07	1.37E-08	2.55E-07	6.63E-08	8.66E-08	6.26E-09	1.59E-07
3157	565062.9	4221808	6.43E-07	7.86E-07	4.14E-08	1.47E-06	3.41E-07	8.61E-07	4.14E-08	1.24E-06	8.45E-08	1.53E-07	1.35E-08	2.51E-07	6.54E-08	8.54E-08	6.18E-09	1.57E-07
3158	564763.5	4222297	1.65E-06	2.02E-06	1.06E-07	3.77E-06	8.75E-07	2.21E-06	1.06E-07	3.19E-06	2.17E-07	3.94E-07	3.48E-08	6.45E-07	1.68E-07	2.19E-07	1.59E-08	4.03E-07
3159	564764.6	4222306	1.65E-06	2.01E-06	1.06E-07	3.76E-06	8.73E-07	2.20E-06	1.06E-07	3.18E-06	2.16E-07	3.93E-07	3.47E-08	6.44E-07	1.67E-07	2.19E-07	1.58E-08	4.02E-07
3160	564766.8	4222324	1.63E-06	1.99E-06	1.05E-07	3.73E-06	8.66E-07	2.19E-06	1.05E-07	3.16E-06	2.14E-07	3.90E-07	3.44E-08	6.38E-07	1.66E-07	2.17E-07	1.57E-08	3.99E-07
3161	564767.9	4222333	1.62E-06	1.98E-06	1.05E-07	3.71E-06	8.61E-07	2.17E-06	1.05E-07	3.14E-06	2.13E-07	3.87E-07	3.42E-08	6.35E-07	1.65E-07	2.16E-07	1.56E-08	3.96E-07
3162	564771.1	4222359	1.59E-06	1.94E-06	1.02E-07	3.63E-06	8.42E-07	2.13E-06	1.02E-07	3.07E-06	2.08E-07	3.79E-07	3.34E-08	6.21E-07	1.61E-07	2.11E-07	1.53E-08	3.87E-07
3163	564746.3	4222291	1.59E-06	1.94E-06	1.02E-07	3.62E-06	8.41E-07	2.12E-06	1.02E-07	3.07E-06	2.08E-07	3.78E-07	3.34E-08	6.20E-07	1.61E-07	2.11E-07	1.52E-08	3.87E-07
3164	564751.6	4222274	1.62E-06	1.98E-06	1.04E-07	3.70E-06	8.58E-07	2.17E-06	1.04E-07	3.13E-06	2.12E-07	3.86E-07	3.41E-08	6.32E-07	1.64E-07	2.15E-07	1.55E-08	3.95E-07
3165	564756.9	4222257	1.64E-06	2.01E-06	1.06E-07	3.76E-06	8.72E-07	2.20E-06	1.06E-07	3.18E-06	2.16E-07	3.92E-07	3.46E-08	6.43E-07	1.67E-07	2.19E-07	1.58E-08	4.01E-07
3166	564762.2	4222239	1.67E-06	2.03E-06	1.07E-07	3.81E-06	8.83E-07	2.23E-06	1.07E-07	3.22E-06	2.19E-07	3.97E-07	3.51E-08	6.51E-07	1.69E-07	2.21E-07	1.60E-08	4.06E-07
3167	564767.5	4222222	1.68E-06	2.05E-06	1.08E-07	3.83E-06	8.89E-07	2.25E-06	1.08E-07	3.24E-06	2.20E-07	4.00E-07	3.53E-08	6.56E-07	1.70E-07	2.23E-07	1.61E-08	4.09E-07
3168	564772.8	4222205	1.68E-06	2.05E-06	1.08E-07	3.84E-06	8.91E-07	2.25E-06	1.08E-07	3.25E-06	2.21E-07	4.01E-07	3.54E-08	6.57E-07	1.71E-07	2.23E-07	1.62E-08	4.10E-07
3169	564786.1	4222163	1.66E-06	2.03E-06	1.07E-07	3.79E-06	8.79E-07	2.22E-06	1.07E-07	3.21E-06	2.18E-07	3.96E-07	3.49E-08	6.49E-07	1.69E-07	2.20E-07	1.59E-08	4.05E-07
3170	564791.4	4222146	1.64E-06	2E-06	1.05E-07	3.74E-06	8.67E-07	2.19E-06	1.05E-07	3.16E-06	2.15E-07	3.90E-07	3.44E-08	6.40E-07	1.66E-07	2.17E-07	1.57E-08	3.99E-07
3171	564796.7	4222129	1.6E-06	1.96E-06	1.03E-07	3.67E-06	8.51E-07	2.15E-06	1.03E-07	3.10E-06	2.11E-07	3.83E-07	3.38E-08	6.27E-07	1.63E-07	2.13E-07	1.54E-08	3.92E-07
3172	564807.3	4222094	1.52E-06	1.86E-06	9.79E-08	3.48E-06	8.06E-07	2.04E-06	9.79E-08	2.94E-06	2.00E-07	3.63E-07	3.20E-08	5.95E-07	1.55E-07	2.02E-07	1.46E-08	3.71E-07
3173	564812.6	4222077	1.47E-06	1.8E-06	9.47E-08	3.36E-06	7.80E-07	1.97E-06	9.47E-08	2.84E-06	1.93E-07	3.51E-07	3.10E-08	5.75E-07	1.49E-07	1.95E-07	1.41E-08	3.59E-07
3174	564817.9	4222060	1.42E-06	1.73E-06	9.12E-08	3.24E-06	7.51E-07	1.90E-06	9.12E-08	2.74E-06	1.86E-07	3.38E-07	2.98E-08	5.54E-07	1.44E-07	1.88E-07	1.36E-08	3.46E-07
3175	564823.2	4222043	1.36E-06	1.66E-06	8.75E-08	3.11E-06	7.21E-07	1.82E-06	8.75E-08	2.63E-06	1.79E-07	3.25E-07	2.86E-08	5.32E-07	1.38E-07	1.81E-07	1.31E-08	3.32E-07
3176	564828.5	4222026	1.3E-06	1.59E-06	8.37E-08	2.97E-06	6.90E-07	1.74E-06	8.37E-08	2.52E-06	1.71E-07	3.10E-07	2.74E-08	5.09E-07	1.32E-07	1.73E-07	1.25E-08	3.18E-07
3177	564833.8	4222009	1.24E-06	1.51E-06	7.98E-08	2.83E-06	6.58E-07	1.66E-06	7.98E-08	2.40E-06	1.63E-07	2.96E-07	2.61E-08	4.85E-07	1.26E-07	1.65E-07	1.19E-08	3.03E-07
3178	564839.1	4221992	1.18E-06	1.44E-06	7.60E-08	2.70E-06	6.26E-07	1.58E-06	7.60E-08	2.28E-06	1.55E-07	2.82E-07	2.49E-08	4.61E-07	1.20E-07	1.57E-07	1.13E-08	2.88E-07
3179	564844.4	4221975	1.12E-06	1.37E-06	7.21E-08	2.56E-06	5.94E-07	1.50E-06	7.21E-08	2.17E-06	1.47E-07	2.67E-07	2.36E-08	4.38E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
3180	564863	4221915	9.26E-07	1.13E-06	5.96E-08	2.12E-06	4.91E-07	1.24E-06	5.96E-08	1.79E-06	1.22E-07	2.21E-07	1.95E-08	3.62E-07	9.41E-08	1.23E-07	8.89E-09	2.26E-07
3181	564868.3	4221898	8.74E-07	1.07E-06	5.63E-08	2.00E-06	4.63E-07	1.17E-06	5.63E-08	1.69E-06	1.15E-07	2.09E-07	1.84E-08	3.42E-07	8.88E-08	1.16E-07	8.40E-09	2.13E-07
3182	564873.6	4221881	8.26E-07	1.01E-06	5.31E-08	1.89E-06	4.38E-07	1.11E-06	5.31E-08	1.60E-06	1.08E-07	1.97E-07	1.74E-08	3.23E-07	8.39E-08	1.10E-07	7.93E-09	2.02E-07
3183	564884.4	4221869	7.94E-07	9.7E-07	5.11E-08	1.81E-06	4.21E-07	1.06E-06	5.11E-08	1.54E-06	1.04E-07	1.89E-07	1.67E-08	3.10E-07	8.07E-08	1.05E-07	7.63E-09	1.94E-07
3184	564892.6	4221865	7.85E-07	9.59E-07	5.06E-08	1.80E-06	4.16E-07	1.05E-06	5.06E-08	1.52E-06	1.03E-07	1.87E-07	1.65E-08	3.07E-07	7.98E-08	1.04E-07	7.55E-09	1.92E-07
3185	564908.8	4221858	7.67E-07	9.37E-07	4.94E-08	1.75E-06	4.07E-07	1.03E-06	4.94E-08	1.48E-06	1.01E-07	1.83E-07	1.62E-08	3.00E-07	7.80E-08	1.02E-07	7.37E-09	1.87E-07
3186	564917	4221854	7.58E-07	9.26E-07	4.88E-08	1.73E-06	4.02E-07	1.02E-06	4.88E-08	1.47E-06	9.96E-08	1.81E-07	1.60E-08	2.97E-07	7.71E-08	1.01E-07	7.29E-09	1.85E-07
3187	564949.6	4221839	7.22E-07	8.82E-07	4.65E-08	1.65E-06	3.83E-07	9.67E-07	4.65E-08	1.40E-06	9.49E-08	1.72E-07	1.52E-08	2.82E-07	7.34E-08	9.59E-08	6.94E-09	1.76E-07

3188	564957.7	4221836	7.13E-07	8.71E-07	4.59E-08	1.63E-06	3.78E-07	9.55E-07	4.59E-08	1.38E-06	9.36E-08	1.70E-07	1.50E-08	2.79E-07	7.25E-08	9.47E-08	6.85E-09	1.74E-07
3189	564974	4221828	6.95E-07	8.49E-07	4.47E-08	1.59E-06	3.68E-07	9.31E-07	4.47E-08	1.34E-06	9.13E-08	1.66E-07	1.46E-08	2.72E-07	7.06E-08	9.23E-08	6.68E-09	1.70E-07
3190	564982.1	4221825	6.86E-07	8.38E-07	4.42E-08	1.57E-06	3.64E-07	9.19E-07	4.42E-08	1.33E-06	9.01E-08	1.64E-07	1.44E-08	2.68E-07	6.97E-08	9.11E-08	6.59E-09	1.67E-07
3191	564998.4	4221817	6.68E-07	8.16E-07	4.30E-08	1.53E-06	3.54E-07	8.94E-07	4.30E-08	1.29E-06	8.77E-08	1.59E-07	1.41E-08	2.61E-07	6.79E-08	8.87E-08	6.42E-09	1.63E-07
3192	565014.7	4221810	6.5E-07	7.94E-07	4.19E-08	1.49E-06	3.45E-07	8.71E-07	4.19E-08	1.26E-06	8.54E-08	1.55E-07	1.37E-08	2.54E-07	6.61E-08	8.64E-08	6.25E-09	1.59E-07
3193	565022.9	4221806	6.42E-07	7.84E-07	4.13E-08	1.47E-06	3.40E-07	8.59E-07	4.13E-08	1.24E-06	8.43E-08	1.53E-07	1.35E-08	2.51E-07	6.52E-08	8.53E-08	6.17E-09	1.57E-07
3194	565039.1	4221799	6.25E-07	7.63E-07	4.02E-08	1.43E-06	3.31E-07	8.37E-07	4.02E-08	1.21E-06	8.21E-08	1.49E-07	1.32E-08	2.44E-07	6.35E-08	8.30E-08	6.00E-09	1.53E-07
3195	565047.3	4221795	6.17E-07	7.53E-07	3.97E-08	1.41E-06	3.27E-07	8.26E-07	3.97E-08	1.19E-06	8.10E-08	1.47E-07	1.30E-08	2.41E-07	6.27E-08	8.19E-08	5.93E-09	1.51E-07
3196	564744.7	4222308	1.56E-06	1.91E-06	1.01E-07	3.57E-06	8.28E-07	2.09E-06	1.01E-07	3.02E-06	2.05E-07	3.73E-07	3.29E-08	6.11E-07	1.59E-07	2.08E-07	1.50E-08	3.81E-07
3197	564745.8	4222317	1.56E-06	1.9E-06	1.00E-07	3.56E-06	8.25E-07	2.08E-06	1.00E-07	3.01E-06	2.04E-07	3.71E-07	3.28E-08	6.09E-07	1.58E-07	2.07E-07	1.50E-08	3.80E-07
3198	564746.9	4222326	1.55E-06	1.89E-06	9.97E-08	3.54E-06	8.21E-07	2.07E-06	9.97E-08	3.00E-06	2.03E-07	3.70E-07	3.26E-08	6.06E-07	1.57E-07	2.06E-07	1.49E-08	3.78E-07
3199	564748	4222335	1.54E-06	1.88E-06	9.92E-08	3.52E-06	8.17E-07	2.06E-06	9.92E-08	2.98E-06	2.02E-07	3.68E-07	3.24E-08	6.02E-07	1.57E-07	2.05E-07	1.48E-08	3.76E-07
3200	564749.1	4222344	1.53E-06	1.87E-06	9.85E-08	3.50E-06	8.11E-07	2.05E-06	9.85E-08	2.96E-06	2.01E-07	3.65E-07	3.22E-08	5.98E-07	1.56E-07	2.03E-07	1.47E-08	3.73E-07
3201	564750.2	4222353	1.52E-06	1.85E-06	9.77E-08	3.47E-06	8.05E-07	2.03E-06	9.77E-08	2.94E-06	1.99E-07	3.62E-07	3.20E-08	5.94E-07	1.54E-07	2.02E-07	1.46E-08	3.71E-07
3202	564737	4222259	1.57E-06	1.91E-06	1.01E-07	3.58E-06	8.30E-07	2.10E-06	1.01E-07	3.03E-06	2.06E-07	3.74E-07	3.30E-08	6.12E-07	1.59E-07	2.08E-07	1.50E-08	3.82E-07
3203	564742.3	4222242	1.59E-06	1.94E-06	1.02E-07	3.63E-06	8.41E-07	2.12E-06	1.02E-07	3.07E-06	2.08E-07	3.79E-07	3.34E-08	6.20E-07	1.61E-07	2.11E-07	1.52E-08	3.87E-07
3204	564747.6	4222225	1.6E-06	1.96E-06	1.03E-07	3.66E-06	8.49E-07	2.14E-06	1.03E-07	3.10E-06	2.10E-07	3.82E-07	3.37E-08	6.26E-07	1.63E-07	2.13E-07	1.54E-08	3.91E-07
3205	564752.9	4222208	1.61E-06	1.96E-06	1.03E-07	3.67E-06	8.52E-07	2.15E-06	1.03E-07	3.11E-06	2.11E-07	3.84E-07	3.39E-08	6.29E-07	1.63E-07	2.14E-07	1.54E-08	3.92E-07
3206	564758.2	4222191	1.61E-06	1.96E-06	1.03E-07	3.67E-06	8.52E-07	2.15E-06	1.03E-07	3.11E-06	2.11E-07	3.84E-07	3.39E-08	6.29E-07	1.63E-07	2.14E-07	1.54E-08	3.92E-07
3207	564763.5	4222174	1.6E-06	1.95E-06	1.03E-07	3.66E-06	8.48E-07	2.14E-06	1.03E-07	3.09E-06	2.10E-07	3.82E-07	3.37E-08	6.26E-07	1.63E-07	2.13E-07	1.54E-08	3.91E-07
3208	564768.7	4222157	1.59E-06	1.94E-06	1.02E-07	3.62E-06	8.40E-07	2.12E-06	1.02E-07	3.06E-06	2.08E-07	3.78E-07	3.34E-08	6.20E-07	1.61E-07	2.11E-07	1.52E-08	3.87E-07
3209	564789.9	4222089	1.46E-06	1.78E-06	9.38E-08	3.33E-06	7.73E-07	1.95E-06	9.38E-08	2.82E-06	1.91E-07	3.48E-07	3.07E-08	5.70E-07	1.48E-07	1.94E-07	1.40E-08	3.56E-07
3210	564795.2	4222072	1.41E-06	1.72E-06	9.08E-08	3.22E-06	7.48E-07	1.89E-06	9.08E-08	2.73E-06	1.85E-07	3.37E-07	2.97E-08	5.52E-07	1.43E-07	1.87E-07	1.36E-08	3.44E-07
3211	564800.5	4222055	1.36E-06	1.66E-06	8.76E-08	3.11E-06	7.21E-07	1.82E-06	8.76E-08	2.63E-06	1.79E-07	3.25E-07	2.87E-08	5.32E-07	1.38E-07	1.81E-07	1.31E-08	3.32E-07
3212	564805.8	4222038	1.31E-06	1.6E-06	8.42E-08	2.99E-06	6.93E-07	1.75E-06	8.42E-08	2.53E-06	1.72E-07	3.12E-07	2.75E-08	5.11E-07	1.33E-07	1.74E-07	1.26E-08	3.19E-07
3213	564811	4222021	1.25E-06	1.53E-06	8.06E-08	2.86E-06	6.64E-07	1.68E-06	8.06E-08	2.42E-06	1.65E-07	2.99E-07	2.64E-08	4.90E-07	1.27E-07	1.66E-07	1.20E-08	3.06E-07
3214	564816.3	4222004	1.2E-06	1.46E-06	7.70E-08	2.74E-06	6.35E-07	1.60E-06	7.70E-08	2.31E-06	1.57E-07	2.86E-07	2.52E-08	4.68E-07	1.22E-07	1.59E-07	1.15E-08	2.92E-07
3215	564821.6	4221987	1.14E-06	1.39E-06	7.34E-08	2.61E-06	6.05E-07	1.53E-06	7.34E-08	2.21E-06	1.50E-07	2.72E-07	2.40E-08	4.46E-07	1.16E-07	1.52E-07	1.10E-08	2.79E-07
3216	564826.9	4221970	1.09E-06	1.33E-06	6.99E-08	2.48E-06	5.76E-07	1.45E-06	6.99E-08	2.10E-06	1.43E-07	2.59E-07	2.29E-08	4.25E-07	1.10E-07	1.44E-07	1.04E-08	2.65E-07
3217	564832.2	4221953	1.03E-06	1.26E-06	6.64E-08	2.36E-06	5.47E-07	1.38E-06	6.64E-08	1.99E-06	1.35E-07	2.46E-07	2.17E-08	4.03E-07	1.05E-07	1.37E-07	9.91E-09	2.52E-07
3218	564837.5	4221936	9.79E-07	1.2E-06	6.30E-08	2.24E-06	5.19E-07	1.31E-06	6.30E-08	1.89E-06	1.29E-07	2.33E-07	2.06E-08	3.83E-07	9.94E-08	1.30E-07	9.40E-09	2.39E-07
3219	564842.8	4221919	9.27E-07	1.13E-06	5.97E-08	2.12E-06	4.92E-07	1.24E-06	5.97E-08	1.79E-06	1.22E-07	2.21E-07	1.95E-08	3.63E-07	9.42E-08	1.23E-07	8.91E-09	2.26E-07
3220	564848.1	4221902	8.78E-07	1.07E-06	5.65E-08	2.01E-06	4.65E-07	1.18E-06	5.65E-08	1.70E-06	1.15E-07	2.09E-07	1.85E-08	3.43E-07	8.92E-08	1.17E-07	8.43E-09	2.14E-07
3221	564869.4	4221856	7.56E-07	9.24E-07	4.87E-08	1.73E-06	4.01E-07	1.01E-06	4.87E-08	1.46E-06	9.93E-08	1.80E-07	1.59E-08	2.96E-07	7.69E-08	1.00E-07	7.27E-09	1.85E-07
3222	564885.6	4221848	7.4E-07	9.04E-07	4.76E-08	1.69E-06	3.92E-07	9.91E-07	4.76E-08	1.43E-06	9.72E-08	1.77E-07	1.56E-08	2.89E-07	7.52E-08	9.83E-08	7.11E-09	1.81E-07
3223	564901.9	4221841	7.24E-07	8.84E-07	4.66E-08	1.65E-06	3.84E-07	9.69E-07	4.66E-08	1.40E-06	9.50E-08	1.73E-07	1.52E-08	2.83E-07	7.35E-08	9.61E-08	6.95E-09	1.77E-07
3224	564910	4221837	7.15E-07	8.73E-07	4.60E-08	1.63E-06	3.79E-07	9.57E-07	4.60E-08	1.38E-06	9.39E-08	1.71E-07	1.51E-08	2.80E-07	7.27E-08	9.50E-08	6.87E-09	1.75E-07
3225	564934.3	4221826	6.9E-07	8.42E-07	4.44E-08	1.58E-06	3.66E-07	9.23E-07	4.44E-08	1.33E-06	9.06E-08	1.65E-07	1.45E-08	2.70E-07	7.01E-08	9.16E-08	6.63E-09	1.68E-07
3226	564950.6	4221819	6.73E-07	8.21E-07	4.33E-08	1.54E-06	3.57E-07	9.01E-07	4.33E-08	1.30E-06	8.83E-08	1.60E-07	1.42E-08	2.63E-07	6.84E-08	8.94E-08	6.46E-09	1.64E-07
3227	564958.7	4221815	6.64E-07	8.11E-07	4.28E-08	1.52E-06	3.52E-07	8.89E-07	4.28E-08	1.28E-06	8.72E-08	1.58E-07	1.40E-08	2.60E-07	6.75E-08	8.82E-08	6.38E-09	1.62E-07
3228	564974.9	4221808	6.48E-07	7.91E-07	4.17E-08	1.48E-06	3.43E-07	8.67E-07	4.17E-08	1.25E-06	8.50E-08	1.54E-07	1.36E-08	2.53E-07	6.58E-08	8.60E-08	6.22E-09	1.58E-07
3229	564983	4221804	6.39E-07	7.81E-07	4.11E-08	1.46E-06	3.39E-07	8.56E-07	4.11E-08	1.24E-06	8.39E-08	1.53E-07	1.35E-08	2.50E-07	6.50E-08	8.49E-08	6.14E-09	1.56E-07
3230	564999.3	4221797	6.23E-07	7.61E-07	4.01E-08	1.42E-06	3.30E-07	8.34E-07	4.01E-08	1.20E-06	8.18E-08	1.49E-07	1.31E-08	2.44E-07	6.33E-08	8.28E-08	5.99E-09	1.52E-07
3231	565023.6	4221786	5.99E-07	7.32E-07	3.86E-08	1.37E-06	3.18E-07	8.03E-07	3.86E-08	1.16E-06	7.87E-08	1.43E-07	1.26E-08	2.34E-07	6.09E-08	7.96E-08	5.76E-09	1.46E-07
3232	565031.8	4221782	5.92E-07	7.23E-07	3.81E-08	1.35E-06	3.14E-07	7.92E-07	3.81E-08	1.14E-06	7.77E-08	1.41E-07	1.25E-08	2.31E-07	6.01E-08	7.86E-08	5.68E-09	1.44E-07
3233	564724.9	4222311	1.49E-06	1.81E-06	9.56E-08	3.40E-06	7.88E-07	1.99E-06	9.56E-08	2.87E-06	1.95E-07	3.55E-07	3.13E-08	5.81E-07	1.51E-07	1.97E-07	1.43E-08	3.63E-07
3234	564726	4222320	1.48E-06	1.81E-06	9.52E-08	3.38E-06	7.85E-07	1.98E-06	9.52E-08	2.86E-06	1.94E-07	3.53E-07	3.12E-08	5.79E-07	1.50E-07	1.97E-07	1.42E-08	3.61E-07
3235	564727.1	4222329	1.47E-06	1.8E-06	9.48E-08	3.37E-06	7.81E-07	1.97E-06	9.48E-08	2.85E-06	1.93E-07	3.51E-07	3.10E-08	5.76E-07	1.50E-07	1.96E-07	1.41E-08	3.59E-07
3236	564728.2	4222337	1.46E-06	1.79E-06	9.42E-08	3.35E-06	7.76E-07	1.96E-06	9.42E-08	2.83E-06	1.92E-07	3.49E-07	3.08E-08	5.72E-07	1.49E-07	1.94E-07	1.41E-08	3.57E-07
3237	564729.2	4222346	1.45E-06	1.78E-06	9.36E-08	3.32E-06	7.71E-07	1.95E-06	9.36E-08	2.81E-06	1.91E-07	3.47E-07	3.06E-08	5.69E-07	1.48E-07	1.93E-07	1.40E-08	3.55E-07
3238	564730.3	4222355	1.44E-06	1.76E-06	9.29E-08	3.30E-06	7.65E-07	1.93E-06	9.29E-08	2.79E-06	1.90E-07	3.44E-07	3.04E-08	5.64E-07	1.47E-07	1.92E-07	1.39E-08	3.52E-07
3239	564731.4	4222364	1.43E-06	1.75E-06	9.21E-08	3.27E-06	7.59E-07	1.92E-06	9.21E-08	2.77E-06	1.88E-07	3.41E-07	3.01E-08	5.60E-07	1.45E-07	1.90E-07	1.38E-08	3.49E-07
3240	564706.6	4222296	1.44E-06	1.75E-06	9.25E-08	3.28E-06	7.62E-07	1.92E-06	9.25E-08	2.78E-06	1.89E-07	3.43E-07	3.03E-08	5.62E-07	1.46E-07	1.91E-07	1.38E-08	3.51E-07
3241	564711.8	4222279	1.47E-06	1.79E-06	9.44E-08	3.35E-06	7.78E-07	1.96E-06	9.44E-08	2.84E-06	1.93E-07	3.50E-07	3.09E-08	5.74E-07	1.49E-07	1.95E-07	1.41E-08	3.58E-07
3242	564717.1	4222262	1.49E-06	1.82E-06	9.61E-08	3.41E-06	7.92E-07	2.00E-06	9.61E-08	2.89E-06	1.96E-07	3.56E-07	3.14E-08	5.84E-07	1.52E-07	1.98E-07	1.43E-08	3.64E-07
3243	564722.4	4222245	1.51E-06	1.85E-06	9.75E-08	3.46E-06	8.03E-07	2.03E-06	9.75E-08	2.93E-06	1.99E-07	3.61E-07	3.19E-08	5.92E-07	1.54E-07	2.01E-07	1.45E-08	3.70E-07
3244	564727.7	4222228	1.53E-06	1.87E-06	9.84E-08	3.50E-06	8.11E-07	2.05E-06	9.84E-08	2.96E-06	2.01E-07	3.65E-07	3.22E-08	5.98E-07	1.55E-07	2.03E-07	1.47E-08	3.73E-07
3245	564732.9	4222211	1.54E-06	1.88E-06	9.90E-08	3.52E-06	8.16E-07	2.06E-06	9.90E-08	2.97E-06	2.02E-07	3.67E-07	3.24E-08	6.01E-07	1.56E-07	2.04E-07	1.48E-08	3.75E-07
3246	564738.2	4222194	1.54E-06	1.88E-06	9.92E-08	3.52E-06	8.17E-07	2.06E-06	9.92E-08	2.98E-06	2.02E-07	3.68E-07	3.25E-08	6.02E-07	1.57E-07	2.05E-07	1.48E-08	3.76E-07
3247	564743.5	4222177	1.54E-06	1.88E-06	9.89E-08	3.51E-06	8.15E-07	2.06E-06	9.89E-08	2.97E-06	2.02E-07	3.67E-07	3.24E-08	6.01E-07	1.56E-07	2.04E-07	1.48E-08	3.75E-07
3248	564748.8	4222160	1.53E-06	1.86E-06	9.82E-08	3.49E-06	8.09E-07	2.04E-06	9.82E-08	2.95E-06	2.00E-07	3.64E-07	3.21E-08	5.96E-07	1.55E-07	2.03E-07	1.47E-08	3.72E-07
3249	564754	4222143	1.51E-06	1.84E-06	9.71E-08	3.45E-06	7.99E-07	2.02E-06	9.71E-08	2.92E-06	1.98E-07	3.60E-07	3.18E-08	5.90E-07	1.53E-07	2.00E-07	1.45E-08	3.68E-07
3250	564759.3	4222126	1.48E-06	1.81E-06	9.55E-08	3.39E-06	7.87E-07	1.99E-06	9.55E-08	2.87E-06	1.95E-07	3.54E-07	3.13E-08	5.80E-07	1.51E-07	1.97E-07	1.43E-08	3.62E-07
3251	564769.8	4222092	1.42E-06	1.73E-06	9.12E-08	3.24E-06	7.52E-07	1.90E-06	9.12E-08	2.74E-06	1.86E-07	3.38E-07	2.99E-08	5.54E-07	1.44E-07	1.88E-07	1.36E-08	3.46E-07
3252	564785.7	4222041	1.28E-06	1.57E-06	8.26E-08	2.93E-06	6.81E-07	1.72E-06	8.26E-08	2.48E-06	1.69E-07	3.06E-07	2.70E-08	5.02E-07	1.30E-07	1.71E-07	1.23E-08	3.13E-07
3253	564790.9	4222024	1.23E-06	1.51E-06	7.94E-08	2.82E-06	6.54E-07	1.65E-06	7.94E-08	2.38E-06	1.62E-07	2.94E-07	2.60E-08	4.82E-07	1.25E-07	1.64E-07	1.18E-08	3.01E-07
3254	564796.2	4222007	1.18E-06	1.44E-06	7.61E-08	2.70E-06	6.27E-07	1.58E-06	7.61E-08	2.28E-06	1.55E-07	2.82E-07	2.49E-08	4.62E-07	1.20E-07	1.57E-07	1.14E-08	2.88E-07
3255	564801.5	4221990	1.13E-06	1.38E-06	7.27E-08	2.58E-06	5.99E-07	1.51E-06	7.27E-08	2.18E-06	1.48E-07	2.70E-07	2.38E-08	4.42E-07	1.15E-07	1.50E-07	1.09E-08	2.76E-07
3256	564806.7	4221973	1.08E-06	1.32E-06	6.94E-08	2.46E-06	5.72E-07	1.44E-06	6.94E-08	2.08E-06	1.42E-07	2.57E-07	2.27E-08	4.21E-07	1.10E-07	1.43E-07	1.04E-08	2.63E-07
3257	564812	4221956	1.03E-06	1.25E-06	6.61E-08	2.35E-06	5.44E-07	1.37E-06	6.61E-08	1.98E-06	1.35E-07	2.45E-07	2.16E-08	4.01E-07	1.04E-07	1.36E-07	9.86E-09	2.51E-07
3258	564817.3	4221939	9.76E-07	1.19E-06	6.28E-08	2.23E-06	5.18E-07	1.31E-06	6.28E-08	1.89E-06	1.28E-07	2.33E-07	2.06E-08	3.82E-07	9.92E-08	1.30E-07	9.38E-09	2.38E-07
3259	564822.6	4221922	9.27E-07	1.13E-06	5.97E-08	2.12E-06	4.92E-07	1.24E-06	5.97E-08	1.79E-06	1.22E-07	2.21E-07	1.95E-08	3.63E-07	9.42E-08	1.23E-07	8.91E-09	2.26E-07
3260	564827.8	4221905	8.8E-07	1.07E-06	5.66E-08	2.01E-06	4.66E-07	1.18E-06	5.66E-08	1.70E-06	1.16E-07	2.10E-07	1.85E-08	3.44E-07	8.94E-08	1.17E-07	8.45E-09	2.15E-07
3261	564833.1	4221888	8.34E-07	1.02E-06	5.37E-08	1.91E-06	4.42E-07	1.12E-06	5.37E-08	1.61E-06	1.09E-07	1.99E-07	1.76E-08	3.26E-07	8.47E-08	1.11E-07	8.01E-09	2.03E-07
3262	564838.4	4221871	7.9E-07	9.65E-07	5.09E-08	1.81E-06	4.19E-07	1.06E-06	5.09E-08	1.53E-06	1.04E-07	1.89E-07	1.66E-08	3.09E-07	8.03E-08	1.05E-07	7.59E-09	1.93E-07
3263	564843.7	4221854	7.49E-07	9.14E-07	4.82E-08	1.71E-06	3.97E-07	1.00E-06	4.82E-08	1.45E-06	9.83E-08	1.79E-07	1.58E-08	2.93E-07	7.61E-08	9.95E-08	7.19E-09	1.83E-07
3264	564902.9	4221820	6.75E-07	8.25E-07	4.35E-08	1.54E-06	3.58E-07	9.04E-07	4.35E-08	1.31E-06	8.87E-08	1.61E-07	1.42E-08	2.64E-07	6.86E-08	8.97E-08	6.49E-09	1.65E-07
3265	564911	4221817	6.68E-07	8.15E-07	4.30E-08	1.53E-06	3.54E-07	8.94E-07	4.30E-08	1.29E-06	8.77E-08	1.59E-07	1.41E-08	2.61E-07	6.78E-08	8.87E-08	6.41E-09	1.63E-07
3266	564927.2	4221809	6.52E-07	7.96E-07	4.19E-08	1.49E-06	3.46E-07	8.73E-07	4.19E-08	1.26E-06	8.56E-08	1.55E-07	1.37E-08	2.55E-07	6.62E-08	8.66E-08	6.26E-09	1.59E-07
3267	564935.3	4221806	6.44E-07	7.86E-07	4.14E-08	1.47E-06	3.41E-07	8.62E-07	4.14E-08	1.24E-06	8.46E-08	1.54E-07	1.36E-08	2.52E-07	6.54E-08	8.55E-08	6.19E-09	1.57E-07
3268	564951.5	4221798	6.28E-07	7.67E-07	4.04E-08	1.44E-06	3.33E-07	8.41E-07	4.04E-08	1.21E-06	8.25E-08	1.50E-07	1.32E-08	2.46E-07	6.38E-08	8.34E-08	6.03E-09	1.53E-07
3269	564967.7	4221791	6.13E-07	7.48E-07	3.94E-08	1.40E-06	3.25E-07	8.20E-07	3.94E-08	1.18E-06	8.04E-08	1.46E-07	1.29E-08	2.39E-07	6.23E-08	8.14E-08	5.89E-09	1.50E-07
3270	564983.9	4221784	5.97E-07	7.3E-07	3.84E-08	1.37E-06	3.17E-07	8.00E-07	3.84E-08	1.15E-06	7.84E-08	1.43E-07	1.26E-08	2.34E-07	6.07E-08	7.93E-08	5.74E-09	1.46E-07
3271	565008.2	4221773	5.75E-07	7.03E-07	3.70E-08	1.31E-06	3.05E-07	7.70E-07	3.70E-08	1.11E-06	7.56E-08	1.37E-07	1.21E-08	2.25E-07	5.85E-08	7.64E-08	5.53E-09	1.40E-07
3272	565016.3	4221769	5.68E-07	6.94E-07	3.66E-08	1.30E-06	3.01E-07	7.61E-07	3.66E-08	1.10E-06	7.46E-08	1.36E-07	1.20E-08	2.22E-07	5.77E-08	7.55E-08	5.46E-09	1.39E-07
3273	564706.1	4222322	1.41E-06	1.72E-06	9.07E-08	3.22E-06	7.47E-07	1.89E-06	9.07E-08	2.72E-06	1.85E-07	3.36E-07	2.97E-08	5.51E-07	1.43E-07	1.87E-07	1.35E-08	3.44E-07
3274	564707.2	4222331	1.4E-06	1.71E-06	9.02E-08	3.20E-06	7.43E-07	1.88E-06	9.02E-08	2.71E-06	1.84E-07	3.34E-07	2.95E-08	5.48E-07	1.42E-07	1.86E-07	1.35E-08	3.42E-07
3275	564708.3	4222340	1.39E-06	1.7E-06	8.97E-08	3.18E-06	7.39E-07	1.87E-06	8.97E-08	2.69E-06	1.83E-07	3.32E-07	2.93E-08	5.45E-07	1.42E-07	1.85E-07	1.34E-08	3.40E-07
3276	564709.4	4222349	1.38E-06	1.69E-06	8.91E-08	3.16E-06	7.34E-07	1.85E-06	8.91E-08	2.68E-06	1.82E-07	3.30E-07	2.91E-08	5.41E-07	1.41E-07	1.84E-07	1.33E-08	3.38E-07
3277	564710.5	4222358	1.37E-06	1.68E-06	8.84E-08	3.14E-06	7.28E-07	1.84E-06	8.84E-08	2.66E-06	1.80E-07	3.28E-07	2.89E-08	5.37E-07	1.40E-07	1.82E-07	1.32E-08	3.35E-07
3278	564686.8	4222298	1.37E-06	1.67E-06	8.82E-08	3.13E-06	7.27E-07	1.84E-06	8.82E-08	2.65E-06	1.80E-07	3.27E-07	2.89E-08	5.36E-07	1.39E-07	1.82E-07	1.32E-08	3.35E-07
3279	564692.1	4222281	1.4E-06	1.71E-06	9.01E-08	3.20E-06	7.42E-07	1.88E-06	9.01E-08	2.71E-06	1.84E-07	3.34E-07	2.95E-08	5.48E-07	1.42E-07	1.86E-07	1.35E-08	3.42E-07
3280	564697.5	4222263	1.43E-06	1.74E-06	9.18E-08	3.26E-06	7.56E-07	1.91E-06	9.18E-08	2.76E-06	1.87E-07	3.40E-07	3.00E-08	5.58E-07	1.45E-07	1.89E-07	1.37E-08	3.48E-07
3281	564702.8	4222246	1.45E-06	1.77E-06	9.32E-08	3.31E-06	7.67E-07	1.94E-06	9.32E-08	2.80E-06	1.90E-07	3.45E-07	3.05E-08	5.66E-07	1.47E-07	1.92E-07	1.39E-08	3.53E-07
3282	564708.2	4222229	1.46E-06	1.79E-06	9.42E-08	3.34E-06	7.76E-07	1.96E-06	9.42E-08	2.83E-06	1.92E-07	3.49E-07	3.08E-08	5.72E-07	1.49E-07	1.94E-07	1.41E-08	3.57E-07
3283	564713.5	4222212	1.47E-06	1.8E-06	9.48E-08	3.37E-06	7.81E-07	1.97E-06	9.48E-08	2.85E-06	1.94E-07	3.52E-07	3.10E-08	5.76E-07	1.50E-07	1.96E-07	1.42E-08	3.60E-07
3284	564718.9	4222195	1.48E-06	1.8E-06	9.51E-08	3.38E-06	7.83E-07	1.98E-06	9.51E-08	2.86E-06	1.94E-07	3.53E-07	3.11E-08	5.78E-07	1.50E-07	1.96E-07	1.42E-08	3.61E-07
3285	564724.2	4222177	1.48E-06	1.8E-06	9.50E-08	3.37E-06	7.82E-07	1.98E-06	9.50E-08	2.85E-06	1.94E-07	3.52E-07	3.11E-08	5.77E-07	1.50E-07	1.96E-07	1.42E-08	3.60E-07
3286	564726.9	4222169	1.47E-06	1.8E-06	9.47E-08	3.36E-06	7.80E-07	1.97E-06	9.47E-08	2.85E-06	1.93E-07	3.51E-07	3.10E-08	5.75E-07	1.50E-07	1.96E-07	1.41E-08	3.59E-07
3287	564732.3	4222151	1.46E-06	1.78E-06	9.40E-08	3.34E-06	7.74E-07	1.95E-06	9.40E-08	2.82E-06	1.92E-07	3.48E-07	3.07E-08	5.71E-07	1.48E-07	1.94E-07	1.40E-08	3.56E-07
3288	564737.6	4222134	1.44E-06	1.76E-06	9.28E-08	3.29E-06	7.64E-07	1.93E-06	9.28E-08	2.79E-06	1.89E-07	3.44E-07	3.04E-08	5.63E-07	1.46E-07	1.91E-07	1.38E-08	3.52E-07
3289	564748.3	4222100	1.39E-06	1.69E-06	8.92E-08	3.17E-06	7.35E-07	1.86E-06	8.92E-08	2.68E-06	1.82E-07	3.31E-07	2.92E-08	5.42E-07	1.41E-07	1.84E-07	1.33E-08	3.38E-07
3290	564751	4222091	1.37E-06	1.67E-06	8.81E-08	3.13E-06	7.26E-07	1.83E-06	8.81E-08	2.65E-06	1.80E-07	3.27E-07	2.88E-08	5.35E-07	1.39E-07	1.82E-07	1.32E-08	3.34E-07
3291	564756.4	4222074	1.33E-06	1.63E-06	8.57E-08	3.04E-06	7.06E-07	1.78E-06	8.57E-08	2.58E-06	1.75E-07	3.18E-07	2.80E-08	5.21E-07	1.35E-07	1.77E-07	1.28E-08	3.25E-07
3292	564761.7	4222057	1.29E-06	1.58E-06	8.31E-08	2.95E-06	6.84E-07	1.73E-06	8.31E-08	2.50E-06	1.69E-07	3.08E-07	2.72E-08	5.05E-07	1.31E-07	1.71E-07	1.24E-08	3.15E-07
3293	564767.1	4222039	1.25E-06	1.52E-06	8.02E-08	2.85E-06	6.61E-07	1.67E-06	8.02E-08	2.41E-06	1.64E-07	2.97E-07	2.62E-08	4.87E-07	1.27E-07	1.66E-07	1.20E-08	3.04E-07
3294	564785.8	4221979	1.08E-06	1.31E-06	6.92E-08	2.46E-06	5.70E-07	1.44E-06	6.92E-08	2.08E-06	1.41E-07	2.57E-07	2.27E-08	4.21E-07	1.09E-07	1.43E-07	1.03E-08	2.63E-07
3295	564791.2	4221962	1.03E-06	1.25E-06	6.61E-08	2.35E-06	5.44E-07	1.37E-06	6.61E-08	1.98E-06	1.35E-07	2.45E-07	2.16E-08	4.01E-07	1.04E-07	1.36E-07	9.86E-09	2.51E-07
3296	564796.5	4221945	9.78E-07	1.19E-06	6.29E-08	2.24E-06	5.18E-07	1.31E-06	6.29E-08	1.89E-06	1.28E-07	2.33E-07	2.06E-08	3.82E-07	9.94E-08	1.30E-07	9.40E-09	2.39E-07
3297	564801.9	4221927	9.3E-07	1.14E-06	5.99E-08	2.13E-06	4.93E-07	1.25E-06	5.99E-08	1.80E-06	1.22E-07	2.22E-07	1.96E-08	3.64E-07	9.45E-08	1.24E-07	8.94E-09	2.27E-07

3298	564807.2	4221910	8.84E-07	1.08E-06	5.69E-08	2.02E-06	4.69E-07	1.18E-06	5.69E-08	1.71E-06	1.16E-07	2.11E-07	1.86E-08	3.46E-07	8.98E-08	1.17E-07	8.49E-09	2.16E-07
3299	564809.9	4221902	8.61E-07	1.05E-06	5.54E-08	1.97E-06	4.56E-07	1.15E-06	5.54E-08	1.66E-06	1.13E-07	2.05E-07	1.81E-08	3.37E-07	8.75E-08	1.14E-07	8.27E-09	2.10E-07
3300	564815.2	4221884	8.16E-07	9.97E-07	5.26E-08	1.87E-06	4.33E-07	1.09E-06	5.26E-08	1.58E-06	1.07E-07	1.95E-07	1.72E-08	3.19E-07	8.30E-08	1.08E-07	7.84E-09	1.99E-07
3301	564820.6	4221867	7.74E-07	9.46E-07	4.98E-08	1.77E-06	4.11E-07	1.04E-06	4.98E-08	1.50E-06	1.02E-07	1.85E-07	1.63E-08	3.03E-07	7.87E-08	1.03E-07	7.44E-09	1.89E-07
3302	564826	4221850	7.34E-07	8.97E-07	4.73E-08	1.68E-06	3.89E-07	9.83E-07	4.73E-08	1.42E-06	9.64E-08	1.75E-07	1.55E-08	2.87E-07	7.46E-08	9.75E-08	7.05E-09	1.79E-07
3303	564856	4221822	6.75E-07	8.24E-07	4.34E-08	1.54E-06	3.58E-07	9.04E-07	4.34E-08	1.30E-06	8.86E-08	1.61E-07	1.42E-08	2.64E-07	6.86E-08	8.97E-08	6.48E-09	1.65E-07
3304	564872.4	4221814	6.6E-07	8.06E-07	4.25E-08	1.51E-06	3.50E-07	8.84E-07	4.25E-08	1.28E-06	8.67E-08	1.58E-07	1.39E-08	2.58E-07	6.71E-08	8.77E-08	6.34E-09	1.61E-07
3305	564888.8	4221807	6.45E-07	7.88E-07	4.15E-08	1.48E-06	3.42E-07	8.64E-07	4.15E-08	1.25E-06	8.48E-08	1.54E-07	1.36E-08	2.52E-07	6.56E-08	8.57E-08	6.20E-09	1.58E-07
3306	564905.3	4221799	6.3E-07	7.7E-07	4.06E-08	1.44E-06	3.34E-07	8.44E-07	4.06E-08	1.22E-06	8.28E-08	1.50E-07	1.33E-08	2.46E-07	6.41E-08	8.37E-08	6.06E-09	1.54E-07
3307	564913.5	4221796	6.23E-07	7.61E-07	4.01E-08	1.42E-06	3.30E-07	8.34E-07	4.01E-08	1.20E-06	8.18E-08	1.49E-07	1.31E-08	2.44E-07	6.33E-08	8.28E-08	5.99E-09	1.52E-07
3308	564929.9	4221788	6.08E-07	7.43E-07	3.91E-08	1.39E-06	3.22E-07	8.14E-07	3.91E-08	1.18E-06	7.98E-08	1.45E-07	1.28E-08	2.38E-07	6.18E-08	8.08E-08	5.84E-09	1.48E-07
3309	564946.4	4221781	5.93E-07	7.24E-07	3.82E-08	1.36E-06	3.15E-07	7.94E-07	3.82E-08	1.15E-06	7.79E-08	1.42E-07	1.25E-08	2.32E-07	6.03E-08	7.88E-08	5.70E-09	1.45E-07
3310	564962.8	4221773	5.79E-07	7.07E-07	3.72E-08	1.32E-06	3.07E-07	7.75E-07	3.72E-08	1.12E-06	7.60E-08	1.38E-07	1.22E-08	2.26E-07	5.88E-08	7.69E-08	5.56E-09	1.41E-07
3311	564971	4221770	5.71E-07	6.98E-07	3.68E-08	1.31E-06	3.03E-07	7.65E-07	3.68E-08	1.10E-06	7.50E-08	1.36E-07	1.20E-08	2.23E-07	5.81E-08	7.59E-08	5.49E-09	1.39E-07
3312	565003.9	4221755	5.44E-07	6.64E-07	3.50E-08	1.24E-06	2.88E-07	7.28E-07	3.50E-08	1.05E-06	7.14E-08	1.30E-07	1.15E-08	2.13E-07	5.53E-08	7.22E-08	5.22E-09	1.33E-07
3313	564685.2	4222315	1.35E-06	1.65E-06	8.68E-08	3.08E-06	7.15E-07	1.81E-06	8.68E-08	2.61E-06	1.77E-07	3.22E-07	2.84E-08	5.27E-07	1.37E-07	1.79E-07	1.30E-08	3.29E-07
3314	564688.4	4222342	1.33E-06	1.62E-06	8.55E-08	3.03E-06	7.04E-07	1.78E-06	8.55E-08	2.57E-06	1.74E-07	3.17E-07	2.80E-08	5.19E-07	1.35E-07	1.76E-07	1.28E-08	3.24E-07
3315	564690.6	4222360	1.31E-06	1.6E-06	8.42E-08	2.99E-06	6.94E-07	1.75E-06	8.42E-08	2.53E-06	1.72E-07	3.12E-07	2.76E-08	5.12E-07	1.33E-07	1.74E-07	1.26E-08	3.19E-07
3316	565244.7	4222311	1.61E-05	1.97E-05	1.04E-06	3.69E-05	8.56E-06	2.16E-05	1.04E-06	3.12E-05	2.12E-06	3.85E-06	3.40E-07	6.31E-06	1.64E-06	2.15E-06	1.55E-07	3.94E-06
3317	565245.8	4222321	1.61E-05	1.96E-05	1.03E-06	3.67E-05	8.51E-06	2.15E-05	1.03E-06	3.10E-05	2.11E-06	3.83E-06	3.38E-07	6.28E-06	1.63E-06	2.13E-06	1.54E-07	3.92E-06
3318	565247	4222330	1.58E-05	1.93E-05	1.02E-06	3.61E-05	8.37E-06	2.11E-05	1.02E-06	3.05E-05	2.07E-06	3.77E-06	3.32E-07	6.17E-06	1.60E-06	2.10E-06	1.52E-07	3.85E-06
3319	565248.2	4222339	1.54E-05	1.87E-05	9.88E-07	3.51E-05	8.14E-06	2.06E-05	9.88E-07	2.97E-05	2.02E-06	3.66E-06	3.23E-07	6.00E-06	1.56E-06	2.04E-06	1.47E-07	3.75E-06
3320	565249.3	4222348	1.48E-05	1.8E-05	9.51E-07	3.38E-05	7.83E-06	1.98E-05	9.51E-07	2.86E-05	1.94E-06	3.52E-06	3.11E-07	5.78E-06	1.50E-06	1.96E-06	1.42E-07	3.61E-06
3321	565250.5	4222358	1.41E-05	1.72E-05	9.07E-07	3.22E-05	7.47E-06	1.89E-05	9.07E-07	2.72E-05	1.85E-06	3.36E-06	2.97E-07	5.51E-06	1.43E-06	1.87E-06	1.35E-07	3.44E-06
3322	565251.7	4222367	1.34E-05	1.63E-05	8.59E-07	3.05E-05	7.08E-06	1.79E-05	8.59E-07	2.58E-05	1.75E-06	3.19E-06	2.81E-07	5.22E-06	1.36E-06	1.77E-06	1.28E-07	3.26E-06
3323	565255.2	4222394	1.13E-05	1.38E-05	7.27E-07	2.58E-05	5.99E-06	1.51E-05	7.27E-07	2.18E-05	1.48E-06	2.69E-06	2.38E-07	4.41E-06	1.15E-06	1.50E-06	1.08E-07	2.76E-06
3324	565234.9	4222313	1.45E-05	1.77E-05	9.31E-07	3.31E-05	7.67E-06	1.94E-05	9.31E-07	2.80E-05	1.90E-06	3.45E-06	3.05E-07	5.65E-06	1.47E-06	1.92E-06	1.39E-07	3.53E-06
3325	565236.1	4222322	1.44E-05	1.76E-05	9.25E-07	3.29E-05	7.62E-06	1.92E-05	9.25E-07	2.78E-05	1.89E-06	3.43E-06	3.03E-07	5.62E-06	1.46E-06	1.91E-06	1.38E-07	3.51E-06
3326	565237.2	4222331	1.41E-05	1.73E-05	9.11E-07	3.23E-05	7.50E-06	1.89E-05	9.11E-07	2.74E-05	1.86E-06	3.38E-06	2.98E-07	5.53E-06	1.44E-06	1.88E-06	1.36E-07	3.45E-06
3327	565238.4	4222340	1.38E-05	1.68E-05	8.87E-07	3.15E-05	7.31E-06	1.85E-05	8.87E-07	2.67E-05	1.81E-06	3.29E-06	2.90E-07	5.39E-06	1.40E-06	1.83E-06	1.32E-07	3.37E-06
3328	565239.6	4222350	1.33E-05	1.63E-05	8.57E-07	3.04E-05	7.06E-06	1.78E-05	8.57E-07	2.58E-05	1.75E-06	3.18E-06	2.81E-07	5.21E-06	1.35E-06	1.77E-06	1.28E-07	3.25E-06
3329	565240.7	4222359	1.28E-05	1.56E-05	8.22E-07	2.92E-05	6.77E-06	1.71E-05	8.22E-07	2.47E-05	1.68E-06	3.05E-06	2.69E-07	4.99E-06	1.30E-06	1.70E-06	1.23E-07	3.12E-06
3330	565241.9	4222368	1.22E-05	1.49E-05	7.84E-07	2.78E-05	6.46E-06	1.63E-05	7.84E-07	2.35E-05	1.60E-06	2.91E-06	2.56E-07	4.76E-06	1.24E-06	1.62E-06	1.17E-07	2.97E-06
3331	565245.4	4222396	1.04E-05	1.28E-05	6.72E-07	2.39E-05	5.54E-06	1.40E-05	6.72E-07	2.02E-05	1.37E-06	2.49E-06	2.20E-07	4.08E-06	1.06E-06	1.39E-06	1.00E-07	2.55E-06
3332	565225.1	4222314	1.31E-05	1.6E-05	8.41E-07	2.99E-05	6.93E-06	1.75E-05	8.41E-07	2.53E-05	1.72E-06	3.12E-06	2.75E-07	5.11E-06	1.33E-06	1.74E-06	1.26E-07	3.19E-06
3333	565226.3	4222323	1.3E-05	1.59E-05	8.36E-07	2.97E-05	6.89E-06	1.74E-05	8.36E-07	2.51E-05	1.71E-06	3.10E-06	2.74E-07	5.08E-06	1.32E-06	1.73E-06	1.25E-07	3.17E-06
3334	565227.5	4222332	1.28E-05	1.56E-05	8.24E-07	2.93E-05	6.78E-06	1.71E-05	8.24E-07	2.47E-05	1.68E-06	3.05E-06	2.70E-07	5.00E-06	1.30E-06	1.70E-06	1.23E-07	3.12E-06
3335	565228.6	4222342	1.25E-05	1.53E-05	8.04E-07	2.86E-05	6.63E-06	1.67E-05	8.04E-07	2.42E-05	1.64E-06	2.98E-06	2.63E-07	4.89E-06	1.27E-06	1.66E-06	1.20E-07	3.05E-06
3336	565229.8	4222351	1.21E-05	1.48E-05	7.80E-07	2.77E-05	6.42E-06	1.62E-05	7.80E-07	2.34E-05	1.59E-06	2.89E-06	2.55E-07	4.74E-06	1.23E-06	1.61E-06	1.16E-07	2.96E-06
3337	565231	4222360	1.17E-05	1.42E-05	7.51E-07	2.67E-05	6.18E-06	1.56E-05	7.51E-07	2.25E-05	1.53E-06	2.78E-06	2.46E-07	4.56E-06	1.19E-06	1.55E-06	1.12E-07	2.85E-06
3338	565232.1	4222369	1.12E-05	1.36E-05	7.19E-07	2.55E-05	5.92E-06	1.50E-05	7.19E-07	2.16E-05	1.47E-06	2.67E-06	2.35E-07	4.37E-06	1.14E-06	1.48E-06	1.07E-07	2.73E-06
3339	565235.7	4222397	9.7E-06	1.18E-05	6.24E-07	2.22E-05	5.14E-06	1.30E-05	6.24E-07	1.87E-05	1.27E-06	2.31E-06	2.04E-07	3.79E-06	9.85E-07	1.29E-06	9.32E-08	2.37E-06
3340	565215.4	4222315	1.19E-05	1.45E-05	7.66E-07	2.72E-05	6.31E-06	1.59E-05	7.66E-07	2.30E-05	1.56E-06	2.84E-06	2.51E-07	4.65E-06	1.21E-06	1.58E-06	1.14E-07	2.90E-06
3341	565216.5	4222324	1.18E-05	1.44E-05	7.61E-07	2.70E-05	6.27E-06	1.58E-05	7.61E-07	2.29E-05	1.55E-06	2.82E-06	2.49E-07	4.63E-06	1.20E-06	1.57E-06	1.14E-07	2.89E-06
3342	565217.7	4222334	1.17E-05	1.42E-05	7.51E-07	2.67E-05	6.18E-06	1.56E-05	7.51E-07	2.26E-05	1.53E-06	2.78E-06	2.46E-07	4.56E-06	1.19E-06	1.55E-06	1.12E-07	2.85E-06
3343	565218.9	4222343	1.14E-05	1.39E-05	7.35E-07	2.61E-05	6.05E-06	1.53E-05	7.35E-07	2.21E-05	1.50E-06	2.72E-06	2.40E-07	4.46E-06	1.16E-06	1.52E-06	1.10E-07	2.79E-06
3344	565220	4222352	1.11E-05	1.35E-05	7.14E-07	2.53E-05	5.88E-06	1.48E-05	7.14E-07	2.14E-05	1.46E-06	2.65E-06	2.34E-07	4.34E-06	1.13E-06	1.47E-06	1.07E-07	2.71E-06
3345	565221.2	4222361	1.07E-05	1.31E-05	6.90E-07	2.45E-05	5.68E-06	1.43E-05	6.90E-07	2.07E-05	1.41E-06	2.56E-06	2.26E-07	4.19E-06	1.09E-06	1.42E-06	1.03E-07	2.62E-06
3346	565225.9	4222398	9.02E-06	1.1E-05	5.81E-07	2.06E-05	4.78E-06	1.21E-05	5.81E-07	1.74E-05	1.18E-06	2.15E-06	1.90E-07	3.53E-06	9.17E-07	1.20E-06	8.67E-08	2.20E-06
3347	565204.4	4222307	1.09E-05	1.33E-05	7.00E-07	2.49E-05	5.77E-06	1.46E-05	7.00E-07	2.10E-05	1.43E-06	2.60E-06	2.29E-07	4.26E-06	1.11E-06	1.45E-06	1.05E-07	2.66E-06
3348	565205.6	4222316	1.09E-05	1.33E-05	7.02E-07	2.49E-05	5.78E-06	1.46E-05	7.02E-07	2.11E-05	1.43E-06	2.60E-06	2.30E-07	4.26E-06	1.11E-06	1.45E-06	1.05E-07	2.66E-06
3349	565206.8	4222326	1.08E-05	1.32E-05	6.98E-07	2.48E-05	5.75E-06	1.45E-05	6.98E-07	2.10E-05	1.42E-06	2.59E-06	2.28E-07	4.24E-06	1.10E-06	1.44E-06	1.04E-07	2.65E-06
3350	565207.9	4222335	1.07E-05	1.31E-05	6.89E-07	2.45E-05	5.67E-06	1.43E-05	6.89E-07	2.07E-05	1.40E-06	2.55E-06	2.25E-07	4.18E-06	1.09E-06	1.42E-06	1.03E-07	2.61E-06
3351	565209.1	4222344	1.05E-05	1.28E-05	6.75E-07	2.40E-05	5.56E-06	1.40E-05	6.75E-07	2.03E-05	1.38E-06	2.50E-06	2.21E-07	4.10E-06	1.07E-06	1.39E-06	1.01E-07	2.56E-06
3352	565210.3	4222353	1.02E-05	1.25E-05	6.57E-07	2.33E-05	5.41E-06	1.37E-05	6.57E-07	1.97E-05	1.34E-06	2.44E-06	2.15E-07	3.99E-06	1.04E-06	1.36E-06	9.81E-08	2.49E-06
3353	565211.5	4222363	9.89E-06	1.21E-05	6.37E-07	2.26E-05	5.24E-06	1.32E-05	6.37E-07	1.91E-05	1.30E-06	2.36E-06	2.08E-07	3.87E-06	1.01E-06	1.31E-06	9.50E-08	2.41E-06
3354	565216.1	4222399	8.41E-06	1.03E-05	5.41E-07	1.92E-05	4.46E-06	1.13E-05	5.41E-07	1.63E-05	1.10E-06	2.01E-06	1.77E-07	3.29E-06	8.55E-07	1.12E-06	8.08E-08	2.05E-06
3355	565195.8	4222318	1E-05	1.23E-05	6.47E-07	2.30E-05	5.33E-06	1.35E-05	6.47E-07	1.94E-05	1.32E-06	2.40E-06	2.12E-07	3.93E-06	1.02E-06	1.33E-06	9.65E-08	2.45E-06
3356	565197	4222327	9.99E-06	1.22E-05	6.43E-07	2.28E-05	5.30E-06	1.34E-05	6.43E-07	1.93E-05	1.31E-06	2.38E-06	2.10E-07	3.91E-06	1.02E-06	1.33E-06	9.60E-08	2.44E-06
3357	565198.2	4222336	9.86E-06	1.2E-05	6.35E-07	2.25E-05	5.23E-06	1.32E-05	6.35E-07	1.91E-05	1.30E-06	2.35E-06	2.08E-07	3.86E-06	1.00E-06	1.31E-06	9.48E-08	2.41E-06
3358	565199.4	4222345	9.68E-06	1.18E-05	6.23E-07	2.21E-05	5.13E-06	1.30E-05	6.23E-07	1.87E-05	1.27E-06	2.31E-06	2.04E-07	3.78E-06	9.84E-07	1.29E-06	9.30E-08	2.36E-06
3359	565200.5	4222355	9.44E-06	1.15E-05	6.08E-07	2.16E-05	5.01E-06	1.26E-05	6.08E-07	1.83E-05	1.24E-06	2.25E-06	1.99E-07	3.69E-06	9.60E-07	1.25E-06	9.07E-08	2.30E-06
3360	565201.7	4222364	9.17E-06	1.12E-05	5.90E-07	2.10E-05	4.86E-06	1.23E-05	5.90E-07	1.77E-05	1.20E-06	2.19E-06	1.93E-07	3.58E-06	9.32E-07	1.22E-06	8.81E-08	2.24E-06
3361	565206.4	4222401	7.86E-06	9.6E-06	5.06E-07	1.80E-05	4.17E-06	1.05E-05	5.06E-07	1.52E-05	1.03E-06	1.88E-06	1.66E-07	3.07E-06	7.99E-07	1.04E-06	7.55E-08	1.92E-06
3362	565186.1	4222319	9.3E-06	1.14E-05	5.99E-07	2.13E-05	4.93E-06	1.25E-05	5.99E-07	1.80E-05	1.22E-06	2.22E-06	1.96E-07	3.64E-06	9.45E-07	1.24E-06	8.94E-08	2.27E-06
3363	565187.3	4222328	9.25E-06	1.13E-05	5.95E-07	2.11E-05	4.90E-06	1.24E-05	5.95E-07	1.79E-05	1.21E-06	2.21E-06	1.95E-07	3.61E-06	9.40E-07	1.23E-06	8.88E-08	2.26E-06
3364	565188.4	4222337	9.13E-06	1.12E-05	5.88E-07	2.09E-05	4.84E-06	1.22E-05	5.88E-07	1.77E-05	1.20E-06	2.18E-06	1.92E-07	3.57E-06	9.28E-07	1.21E-06	8.78E-08	2.23E-06
3365	565189.6	4222347	8.97E-06	1.1E-05	5.78E-07	2.05E-05	4.76E-06	1.20E-05	5.78E-07	1.73E-05	1.18E-06	2.14E-06	1.89E-07	3.51E-06	9.12E-07	1.19E-06	8.62E-08	2.19E-06
3366	565190.8	4222356	8.77E-06	1.07E-05	5.64E-07	2.00E-05	4.65E-06	1.17E-05	5.64E-07	1.70E-05	1.15E-06	2.09E-06	1.85E-07	3.43E-06	8.91E-07	1.16E-06	8.42E-08	2.14E-06
3367	565191.9	4222365	8.53E-06	1.04E-05	5.49E-07	1.95E-05	4.52E-06	1.14E-05	5.49E-07	1.65E-05	1.12E-06	2.03E-06	1.80E-07	3.33E-06	8.67E-07	1.13E-06	8.19E-08	2.08E-06
3368	565196.6	4222402	7.37E-06	9E-06	4.74E-07	1.68E-05	3.91E-06	9.86E-06	4.74E-07	1.42E-05	9.67E-07	1.76E-06	1.55E-07	2.88E-06	7.49E-07	9.78E-07	7.08E-08	1.80E-06
3369	565176.3	4222320	8.64E-06	1.06E-05	5.56E-07	1.98E-05	4.58E-06	1.16E-05	5.56E-07	1.67E-05	1.14E-06	2.06E-06	1.82E-07	3.38E-06	8.78E-07	1.15E-06	8.31E-08	2.11E-06
3370	565177.5	4222329	8.59E-06	1.05E-05	5.53E-07	1.96E-05	4.56E-06	1.15E-05	5.53E-07	1.66E-05	1.13E-06	2.05E-06	1.81E-07	3.36E-06	8.73E-07	1.14E-06	8.26E-08	2.10E-06
3371	565178.7	4222339	8.49E-06	1.04E-05	5.47E-07	1.94E-05	4.50E-06	1.14E-05	5.47E-07	1.64E-05	1.12E-06	2.03E-06	1.79E-07	3.32E-06	8.63E-07	1.13E-06	8.16E-08	2.07E-06
3372	565179.8	4222348	8.35E-06	1.02E-05	5.37E-07	1.91E-05	4.43E-06	1.12E-05	5.37E-07	1.61E-05	1.10E-06	1.99E-06	1.76E-07	3.26E-06	8.49E-07	1.11E-06	8.02E-08	2.04E-06
3373	565181	4222357	8.17E-06	9.98E-06	5.26E-07	1.87E-05	4.33E-06	1.09E-05	5.26E-07	1.58E-05	1.07E-06	1.95E-06	1.72E-07	3.19E-06	8.30E-07	1.09E-06	7.85E-08	1.99E-06
3374	565182.2	4222366	7.96E-06	9.72E-06	5.12E-07	1.82E-05	4.22E-06	1.07E-05	5.12E-07	1.54E-05	1.05E-06	1.90E-06	1.68E-07	3.11E-06	8.09E-07	1.06E-06	7.65E-08	1.94E-06
3375	565186.8	4222403	6.91E-06	8.44E-06	4.45E-07	1.58E-05	3.67E-06	9.26E-06	4.45E-07	1.34E-05	9.08E-07	1.65E-06	1.46E-07	2.70E-06	7.03E-07	9.18E-07	6.64E-08	1.69E-06
3376	565177.1	4222404	6.5E-06	7.94E-06	4.19E-07	1.49E-05	3.45E-06	8.71E-06	4.19E-07	1.26E-05	8.54E-07	1.55E-06	1.37E-07	2.54E-06	6.61E-07	8.64E-07	6.25E-08	1.59E-06
3377	565156.8	4222323	7.54E-06	9.21E-06	4.86E-07	1.72E-05	4.00E-06	1.01E-05	4.86E-07	1.46E-05	9.91E-07	1.80E-06	1.59E-07	2.95E-06	7.67E-07	1.00E-06	7.25E-08	1.84E-06
3378	565158	4222332	7.5E-06	9.16E-06	4.82E-07	1.71E-05	3.97E-06	1.00E-05	4.82E-07	1.45E-05	9.84E-07	1.79E-06	1.58E-07	2.93E-06	7.62E-07	9.96E-07	7.20E-08	1.83E-06
3379	565167.3	4222406	6.13E-06	7.49E-06	3.94E-07	1.40E-05	3.25E-06	8.21E-06	3.94E-07	1.18E-05	8.05E-07	1.46E-06	1.29E-07	2.40E-06	6.23E-07	8.14E-07	5.89E-08	1.50E-06
3380	565147	4222324	7.08E-06	8.64E-06	4.56E-07	1.62E-05	3.75E-06	9.48E-06	4.56E-07	1.37E-05	9.29E-07	1.69E-06	1.49E-07	2.77E-06	7.19E-07	9.40E-07	6.80E-08	1.73E-06
3381	565148.2	4222333	7.03E-06	8.59E-06	4.53E-07	1.61E-05	3.73E-06	9.42E-06	4.53E-07	1.36E-05	9.24E-07	1.68E-06	1.48E-07	2.75E-06	7.15E-07	9.34E-07	6.76E-08	1.72E-06
3382	565149.4	4222342	6.96E-06	8.5E-06	4.48E-07	1.59E-05	3.69E-06	9.31E-06	4.48E-07	1.34E-05	9.14E-07	1.66E-06	1.46E-07	2.72E-06	7.07E-07	9.24E-07	6.68E-08	1.70E-06
3383	565150.6	4222352	6.85E-06	8.37E-06	4.41E-07	1.57E-05	3.63E-06	9.17E-06	4.41E-07	1.32E-05	9.00E-07	1.63E-06	1.44E-07	2.68E-06	6.96E-07	9.10E-07	6.58E-08	1.67E-06
3384	565151.7	4222361	6.72E-06	8.21E-06	4.33E-07	1.54E-05	3.56E-06	9.00E-06	4.33E-07	1.30E-05	8.83E-07	1.60E-06	1.42E-07	2.63E-06	6.83E-07	8.93E-07	6.46E-08	1.64E-06
3385	565152.9	4222370	6.57E-06	8.02E-06	4.23E-07	1.50E-05	3.48E-06	8.79E-06	4.23E-07	1.27E-05	8.62E-07	1.57E-06	1.38E-07	2.57E-06	6.67E-07	8.72E-07	6.31E-08	1.60E-06
3386	565157.6	4222407	5.79E-06	7.07E-06	3.72E-07	1.32E-05	3.07E-06	7.75E-06	3.72E-07	1.12E-05	7.60E-07	1.38E-06	1.22E-07	2.26E-06	5.88E-07	7.69E-07	5.56E-08	1.41E-06
3387	565137.3	4222325	6.66E-06	8.13E-06	4.28E-07	1.52E-05	3.53E-06	8.91E-06	4.28E-07	1.29E-05	8.74E-07	1.59E-06	1.40E-07	2.60E-06	6.77E-07	8.84E-07	6.40E-08	1.62E-06
3388	565138.5	4222334	6.61E-06	8.08E-06	4.26E-07	1.51E-05	3.51E-06	8.86E-06	4.26E-07	1.28E-05	8.69E-07	1.58E-06	1.39E-07	2.59E-06	6.72E-07	8.79E-07	6.35E-08	1.61E-06
3389	565139.6	4222344	6.54E-06	7.99E-06	4.21E-07	1.50E-05	3.47E-06	8.76E-06	4.21E-07	1.26E-05	8.59E-07	1.56E-06	1.38E-07	2.56E-06	6.65E-07	8.69E-07	6.29E-08	1.60E-06
3390	565140.8	4222353	6.45E-06	7.87E-06	4.15E-07	1.47E-05	3.42E-06	8.63E-06	4.15E-07	1.25E-05	8.47E-07	1.54E-06	1.36E-07	2.52E-06	6.55E-07	8.56E-07	6.19E-08	1.57E-06
3391	565142	4222362	6.33E-06	7.73E-06	4.07E-07	1.45E-05	3.35E-06	8.47E-06	4.07E-07	1.22E-05	8.31E-07	1.51E-06	1.33E-07	2.47E-06	6.43E-07	8.40E-07	6.08E-08	1.54E-06
3392	565143.1	4222371	6.19E-06	7.56E-06	3.98E-07	1.41E-05	3.28E-06	8.28E-06	3.98E-07	1.20E-05	8.12E-07	1.48E-06	1.30E-07	2.42E-06	6.29E-07	8.22E-07	5.94E-08	1.51E-06
3393	565146.6	4222399	5.67E-06	6.92E-06	3.65E-07	1.30E-05	3.01E-06	7.59E-06	3.65E-07	1.10E-05	7.44E-07	1.35E-06	1.19E-07	2.22E-06	5.76E-07	7.53E-07	5.45E-08	1.38E-06
3394	565147.8	4222408	5.47E-06	6.68E-06	3.52E-07	1.25E-05	2.90E-06	7.33E-06	3.52E-07	1.06E-05	7.19E-07	1.31E-06	1.15E-07	2.14E-06	5.56E-07	7.27E-07	5.26E-08	1.34E-06
3395	565127.5	4222326	6.28E-06	7.67E-06	4.04E-07	1.43E-05	3.33E-06	8.40E-06	4.04E-07	1.21E-05	8.24E-07	1.50E-06	1.32E-07	2.45E-06	6.38E-07	8.34E-07	6.03E-08	1.53E-06
3396	565128.7	4222336	6.23E-06	7.61E-06	4.01E-07	1.42E-05	3.31E-06	8.35E-06	4.01E-07	1.21E-05	8.19E-07	1.49E-06	1.31E-07	2.44E-06	6.34E-07	8.28E-07	5.99E-08	1.52E-06
3397	565129.9	4222345	6.17E-06	7.53E-06	3.97E-07	1.41E-05	3.27E-06	8.26E-06	3.97E-07	1.19E-05	8.10E-07	1.47E-06	1.30E-07	2.41E-06	6.27E-07	8.19E-07	5.93E-08	1.51E-06
3398	565131	4222354	6.08E-06	7.42E-06	3.91E-07	1.39E-05	3.22E-06	8.14E-06	3.91E-07	1.18E-05	7.98E-07	1.45E-06	1.28E-07	2.38E-06	6.18E-07	8.07E-07	5.84E-08	1.48E-06
3399	565132.2	4222363	5.97E-06	7.29E-06	3.84E-07	1.36E-05	3.16E-06	7.99E-06	3.84E-07	1.15E-05	7.84E-07	1.42E-06	1.26E-07	2.33E-06	6.06E-07	7.93E-07	5.73E-08	1.46E-06
3400	565133.4	4222372	5.84E-06	7.13E-06	3.76E-07	1.33E-05	3.10E-06	7.82E-06	3.76E-07	1.13E-05	7.67E-07	1.39E-06	1.23E-07	2.28E-06	5.93E-07	7.76E-07	5.61E-08	1.43E-06
3401	565136.9	4222400	5.36E-06	6.55E-06	3.45E-07	1.23E-05	2.84E-06	7.18E-06	3.45E-07	1.04E-05	7.04E-07	1.28E-06	1.13E-07	2.10E-06	5.45E-07	7.13E-07	5.15E-08	1.31E-06
3402	565138	4222409	5.18E-06	6.33E-06	3.34E-07	1.18E-05	2.75E-06	6.94E-06	3.34E-07	1.00E-05	6.81E-07	1.24E-06	1.09E-07	2.03E-06	5.27E-07	6.88E-07	4.98E-08	1.26E-06
3403	565117.8	4222328	5.93E-06	7.24E-06	3.82E-07	1.36E-05	3.14E-06	7.94E-06	3.82E-07	1.15E-05	7.79E-07	1.41E-06	1.25E-07	2.32E-06	6.03E-07	7.88E-07	5.70E-08	1.45E-06
3404	565118.9	4222337	5.89E-06	7.19E-06	3.79E-07	1.35E-05	3.12E-06	7.88E-06	3.79E-07	1.14E-05	7.73E-07	1.40E-06	1.24E-07	2.30E-06	5.98E-07	7.82E-07	5.66E-08	1.44E-06
3405	565120.1	4222346	5.83E-06	7.11E-06	3.75E-07	1.33E-05	3.09E-06	7.80E-06	3.75E-07	1.13E-05	7.65E-07	1.39E-06	1.23E-07	2.28E-06	5.92E-07	7.74E-07	5.60E-08	1.42E-06
3406	565121.3	4222355	5.74E-06	7.01E-06	3.70E-07	1.31E-05	3.04E-06	7.69E-06	3.70E-07	1.11E-05	7.54E-07	1.37E-06	1.21E-07	2.24E-06	5.84E-07	7.63E-07	5.52E-08	1.40E-06
3407	565122.4	4222364	5.64E-06	6.89E-06	3.63E-07	1.29E-05	2.99E-06	7.55E-06	3.63E-07	1.09E-05	7.41E-07	1.35E-06	1.19E-07	2.21E-06	5.73E-07	7.49E-07	5.42E-08	1.38E-06

3408	565123.6	4222374	5.52E-06	6.74E-06	3.55E-07	1.26E-05	2.93E-06	7.39E-06	3.55E-07	1.07E-05	7.25E-07	1.32E-06	1.16E-07	2.16E-06	5.61E-07	7.34E-07	5.31E-08	1.35E-06
3409	565127.1	4222401	5.08E-06	6.21E-06	3.27E-07	1.16E-05	2.70E-06	6.81E-06	3.27E-07	9.83E-06	6.68E-07	1.21E-06	1.07E-07	1.99E-06	5.17E-07	6.75E-07	4.88E-08	1.24E-06
3410	565128.3	4222411	4.92E-06	6E-06	3.16E-07	1.12E-05	2.61E-06	6.58E-06	3.16E-07	9.51E-06	6.46E-07	1.17E-06	1.04E-07	1.92E-06	5.00E-07	6.53E-07	4.72E-08	1.20E-06
3411	565108	4222329	5.61E-06	6.85E-06	3.61E-07	1.28E-05	2.98E-06	7.51E-06	3.61E-07	1.09E-05	7.37E-07	1.34E-06	1.18E-07	2.19E-06	5.70E-07	7.46E-07	5.39E-08	1.37E-06
3412	565109.2	4222338	5.57E-06	6.81E-06	3.59E-07	1.27E-05	2.95E-06	7.46E-06	3.59E-07	1.08E-05	7.32E-07	1.33E-06	1.17E-07	2.18E-06	5.66E-07	7.40E-07	5.35E-08	1.36E-06
3413	565110.3	4222347	5.51E-06	6.73E-06	3.55E-07	1.26E-05	2.92E-06	7.38E-06	3.55E-07	1.07E-05	7.24E-07	1.32E-06	1.16E-07	2.16E-06	5.60E-07	7.32E-07	5.30E-08	1.35E-06
3414	565111.5	4222356	5.43E-06	6.64E-06	3.50E-07	1.24E-05	2.88E-06	7.28E-06	3.50E-07	1.05E-05	7.14E-07	1.30E-06	1.14E-07	2.12E-06	5.52E-07	7.22E-07	5.22E-08	1.33E-06
3415	565112.7	4222366	5.34E-06	6.52E-06	3.44E-07	1.22E-05	2.83E-06	7.15E-06	3.44E-07	1.03E-05	7.01E-07	1.27E-06	1.12E-07	2.09E-06	5.43E-07	7.09E-07	5.13E-08	1.30E-06
3416	565113.8	4222375	5.23E-06	6.39E-06	3.37E-07	1.20E-05	2.77E-06	7.00E-06	3.37E-07	1.01E-05	6.87E-07	1.25E-06	1.10E-07	2.05E-06	5.32E-07	6.95E-07	5.03E-08	1.28E-06
3417	565098.2	4222330	5.32E-06	6.5E-06	3.43E-07	1.22E-05	2.82E-06	7.12E-06	3.43E-07	1.03E-05	6.99E-07	1.27E-06	1.12E-07	2.08E-06	5.41E-07	7.07E-07	5.11E-08	1.30E-06
3418	565099.4	4222339	5.28E-06	6.45E-06	3.40E-07	1.21E-05	2.80E-06	7.07E-06	3.40E-07	1.02E-05	6.94E-07	1.26E-06	1.11E-07	2.07E-06	5.37E-07	7.02E-07	5.08E-08	1.29E-06
3419	565100.6	4222348	5.22E-06	6.38E-06	3.36E-07	1.19E-05	2.77E-06	7.00E-06	3.36E-07	1.01E-05	6.86E-07	1.25E-06	1.10E-07	2.04E-06	5.31E-07	6.94E-07	5.02E-08	1.28E-06
3420	565101.7	4222358	5.15E-06	6.29E-06	3.32E-07	1.18E-05	2.73E-06	6.90E-06	3.32E-07	9.96E-06	6.77E-07	1.23E-06	1.09E-07	2.01E-06	5.24E-07	6.84E-07	4.95E-08	1.26E-06
3421	565102.9	4222367	5.06E-06	6.19E-06	3.26E-07	1.16E-05	2.69E-06	6.78E-06	3.26E-07	9.79E-06	6.65E-07	1.21E-06	1.07E-07	1.98E-06	5.15E-07	6.73E-07	4.87E-08	1.24E-06
3422	565104.1	4222376	4.96E-06	6.06E-06	3.19E-07	1.13E-05	2.63E-06	6.64E-06	3.19E-07	9.60E-06	6.52E-07	1.18E-06	1.05E-07	1.94E-06	5.04E-07	6.59E-07	4.77E-08	1.21E-06
3423	565088.5	4222331	5.05E-06	6.17E-06	3.25E-07	1.16E-05	2.68E-06	6.77E-06	3.25E-07	9.77E-06	6.64E-07	1.21E-06	1.06E-07	1.98E-06	5.14E-07	6.71E-07	4.86E-08	1.23E-06
3424	565089.6	4222340	5.01E-06	6.12E-06	3.23E-07	1.15E-05	2.66E-06	6.71E-06	3.23E-07	9.70E-06	6.59E-07	1.20E-06	1.06E-07	1.96E-06	5.10E-07	6.66E-07	4.82E-08	1.22E-06
3425	565090.8	4222350	4.96E-06	6.06E-06	3.19E-07	1.13E-05	2.63E-06	6.64E-06	3.19E-07	9.59E-06	6.51E-07	1.18E-06	1.04E-07	1.94E-06	5.04E-07	6.59E-07	4.76E-08	1.21E-06
3426	565092	4222359	4.89E-06	5.97E-06	3.15E-07	1.12E-05	2.59E-06	6.55E-06	3.15E-07	9.45E-06	6.42E-07	1.17E-06	1.03E-07	1.91E-06	4.97E-07	6.49E-07	4.70E-08	1.19E-06
3427	565093.2	4222368	4.81E-06	5.87E-06	3.09E-07	1.10E-05	2.55E-06	6.43E-06	3.09E-07	9.29E-06	6.31E-07	1.15E-06	1.01E-07	1.88E-06	4.88E-07	6.38E-07	4.62E-08	1.17E-06
3428	565094.3	4222377	4.71E-06	5.75E-06	3.03E-07	1.08E-05	2.50E-06	6.31E-06	3.03E-07	9.11E-06	6.19E-07	1.12E-06	9.92E-08	1.84E-06	4.79E-07	6.26E-07	4.53E-08	1.15E-06
3429	565097.8	4222405	4.36E-06	5.33E-06	2.81E-07	9.98E-06	2.31E-06	5.84E-06	2.81E-07	8.44E-06	5.73E-07	1.04E-06	9.19E-08	1.71E-06	4.44E-07	5.80E-07	4.19E-08	1.07E-06
3430	565099	4222414	4.23E-06	5.17E-06	2.72E-07	9.67E-06	2.24E-06	5.66E-06	2.72E-07	8.18E-06	5.56E-07	1.01E-06	8.91E-08	1.65E-06	4.30E-07	5.62E-07	4.07E-08	1.03E-06
3431	565077.6	4222323	4.83E-06	5.89E-06	3.11E-07	1.10E-05	2.56E-06	6.46E-06	3.11E-07	9.33E-06	6.34E-07	1.15E-06	1.02E-07	1.89E-06	4.90E-07	6.41E-07	4.64E-08	1.18E-06
3432	565078.7	4222332	4.81E-06	5.87E-06	3.09E-07	1.10E-05	2.55E-06	6.44E-06	3.09E-07	9.29E-06	6.31E-07	1.15E-06	1.01E-07	1.88E-06	4.88E-07	6.39E-07	4.62E-08	1.17E-06
3433	565079.9	4222342	4.77E-06	5.82E-06	3.07E-07	1.09E-05	2.53E-06	6.38E-06	3.07E-07	9.22E-06	6.26E-07	1.14E-06	1.00E-07	1.86E-06	4.85E-07	6.33E-07	4.58E-08	1.16E-06
3434	565081.1	4222351	4.71E-06	5.76E-06	3.03E-07	1.08E-05	2.50E-06	6.31E-06	3.03E-07	9.11E-06	6.19E-07	1.12E-06	9.93E-08	1.84E-06	4.79E-07	6.26E-07	4.53E-08	1.15E-06
3435	565082.2	4222360	4.65E-06	5.67E-06	2.99E-07	1.06E-05	2.46E-06	6.22E-06	2.99E-07	8.98E-06	6.10E-07	1.11E-06	9.78E-08	1.82E-06	4.72E-07	6.17E-07	4.46E-08	1.13E-06
3436	565083.4	4222369	4.57E-06	5.58E-06	2.94E-07	1.04E-05	2.42E-06	6.12E-06	2.94E-07	8.83E-06	6.00E-07	1.09E-06	9.62E-08	1.79E-06	4.64E-07	6.07E-07	4.39E-08	1.11E-06
3437	565084.6	4222379	4.48E-06	5.47E-06	2.88E-07	1.02E-05	2.37E-06	6.00E-06	2.88E-07	8.66E-06	5.88E-07	1.07E-06	9.43E-08	1.75E-06	4.55E-07	5.95E-07	4.30E-08	1.09E-06
3438	565088.1	4222406	4.16E-06	5.08E-06	2.68E-07	9.50E-06	2.20E-06	5.56E-06	2.68E-07	8.04E-06	5.46E-07	9.92E-07	8.75E-08	1.62E-06	4.22E-07	5.52E-07	3.99E-08	1.01E-06
3439	565089.2	4222416	4.03E-06	4.92E-06	2.60E-07	9.22E-06	2.14E-06	5.40E-06	2.60E-07	7.80E-06	5.30E-07	9.62E-07	8.49E-08	1.58E-06	4.10E-07	5.36E-07	3.87E-08	9.84E-07
3440	565069	4222334	4.58E-06	5.59E-06	2.95E-07	1.05E-05	2.43E-06	6.13E-06	2.95E-07	8.85E-06	6.01E-07	1.09E-06	9.64E-08	1.79E-06	4.65E-07	6.08E-07	4.40E-08	1.12E-06
3441	565070.1	4222343	4.54E-06	5.54E-06	2.92E-07	1.04E-05	2.41E-06	6.08E-06	2.92E-07	8.78E-06	5.96E-07	1.08E-06	9.56E-08	1.77E-06	4.61E-07	6.03E-07	4.36E-08	1.11E-06
3442	565071.3	4222352	4.49E-06	5.48E-06	2.89E-07	1.03E-05	2.38E-06	6.01E-06	2.89E-07	8.67E-06	5.89E-07	1.07E-06	9.45E-08	1.75E-06	4.56E-07	5.96E-07	4.31E-08	1.09E-06
3443	565072.5	4222361	4.42E-06	5.4E-06	2.85E-07	1.01E-05	2.34E-06	5.92E-06	2.85E-07	8.55E-06	5.81E-07	1.05E-06	9.31E-08	1.73E-06	4.49E-07	5.87E-07	4.25E-08	1.08E-06
3444	565073.6	4222371	4.35E-06	5.31E-06	2.80E-07	9.94E-06	2.30E-06	5.82E-06	2.80E-07	8.40E-06	5.71E-07	1.04E-06	9.15E-08	1.70E-06	4.42E-07	5.77E-07	4.18E-08	1.06E-06
3445	565074.8	4222380	4.26E-06	5.21E-06	2.74E-07	9.75E-06	2.26E-06	5.71E-06	2.74E-07	8.24E-06	5.60E-07	1.02E-06	8.98E-08	1.67E-06	4.33E-07	5.66E-07	4.10E-08	1.04E-06
3446	565078.3	4222408	3.96E-06	4.84E-06	2.55E-07	9.06E-06	2.10E-06	5.31E-06	2.55E-07	7.66E-06	5.20E-07	9.45E-07	8.35E-08	1.55E-06	4.03E-07	5.26E-07	3.81E-08	9.67E-07
3447	565079.5	4222417	3.85E-06	4.7E-06	2.48E-07	8.79E-06	2.04E-06	5.15E-06	2.48E-07	7.44E-06	5.05E-07	9.18E-07	8.10E-08	1.50E-06	3.91E-07	5.11E-07	3.70E-08	9.39E-07
3448	565059.2	4222335	4.36E-06	5.33E-06	2.81E-07	9.97E-06	2.31E-06	5.84E-06	2.81E-07	8.43E-06	5.73E-07	1.04E-06	9.19E-08	1.71E-06	4.43E-07	5.80E-07	4.19E-08	1.06E-06
3449	565060.4	4222344	4.33E-06	5.28E-06	2.78E-07	9.89E-06	2.29E-06	5.79E-06	2.78E-07	8.36E-06	5.68E-07	1.03E-06	9.11E-08	1.69E-06	4.40E-07	5.75E-07	4.16E-08	1.06E-06
3450	565061.5	4222353	4.28E-06	5.22E-06	2.75E-07	9.77E-06	2.27E-06	5.72E-06	2.75E-07	8.27E-06	5.62E-07	1.02E-06	9.01E-08	1.67E-06	4.35E-07	5.68E-07	4.11E-08	1.04E-06
3451	565062.7	4222363	4.22E-06	5.15E-06	2.71E-07	9.64E-06	2.23E-06	5.64E-06	2.71E-07	8.15E-06	5.54E-07	1.01E-06	8.88E-08	1.65E-06	4.28E-07	5.60E-07	4.05E-08	1.03E-06
3452	565063.9	4222372	4.15E-06	5.06E-06	2.67E-07	9.48E-06	2.20E-06	5.55E-06	2.67E-07	8.02E-06	5.44E-07	9.89E-07	8.73E-08	1.62E-06	4.21E-07	5.51E-07	3.98E-08	1.01E-06
3453	565065	4222381	4.07E-06	4.97E-06	2.62E-07	9.30E-06	2.16E-06	5.45E-06	2.62E-07	7.86E-06	5.34E-07	9.71E-07	8.57E-08	1.59E-06	4.13E-07	5.40E-07	3.91E-08	9.93E-07
3454	565069.7	4222418	3.68E-06	4.49E-06	2.37E-07	8.40E-06	1.95E-06	4.92E-06	2.37E-07	7.11E-06	4.83E-07	8.77E-07	7.74E-08	1.44E-06	3.74E-07	4.88E-07	3.53E-08	8.97E-07
3455	565049.4	4222336	4.16E-06	5.08E-06	2.68E-07	9.52E-06	2.21E-06	5.57E-06	2.68E-07	8.05E-06	5.47E-07	9.93E-07	8.77E-08	1.63E-06	4.23E-07	5.53E-07	4.00E-08	1.02E-06
3456	565050.6	4222345	4.13E-06	5.04E-06	2.66E-07	9.43E-06	2.19E-06	5.53E-06	2.66E-07	7.98E-06	5.42E-07	9.85E-07	8.69E-08	1.61E-06	4.19E-07	5.48E-07	3.97E-08	1.01E-06
3457	565051.8	4222355	4.08E-06	4.98E-06	2.63E-07	9.33E-06	2.16E-06	5.46E-06	2.63E-07	7.89E-06	5.36E-07	9.74E-07	8.59E-08	1.60E-06	4.15E-07	5.42E-07	3.92E-08	9.96E-07
3458	565052.9	4222364	4.02E-06	4.91E-06	2.59E-07	9.20E-06	2.13E-06	5.39E-06	2.59E-07	7.78E-06	5.28E-07	9.60E-07	8.48E-08	1.57E-06	4.09E-07	5.35E-07	3.87E-08	9.82E-07
3459	565054.1	4222373	3.96E-06	4.84E-06	2.55E-07	9.05E-06	2.10E-06	5.30E-06	2.55E-07	7.65E-06	5.20E-07	9.45E-07	8.34E-08	1.55E-06	4.02E-07	5.26E-07	3.80E-08	9.66E-07
3460	565055.3	4222382	3.89E-06	4.75E-06	2.50E-07	8.88E-06	2.06E-06	5.20E-06	2.50E-07	7.51E-06	5.10E-07	9.27E-07	8.18E-08	1.52E-06	3.95E-07	5.16E-07	3.73E-08	9.48E-07
3461	565060	4222419	3.52E-06	4.3E-06	2.27E-07	8.04E-06	1.87E-06	4.71E-06	2.27E-07	6.80E-06	4.62E-07	8.40E-07	7.41E-08	1.38E-06	3.58E-07	4.68E-07	3.38E-08	8.59E-07
3462	565039.7	4222337	3.98E-06	4.86E-06	2.56E-07	9.09E-06	2.11E-06	5.33E-06	2.56E-07	7.69E-06	5.22E-07	9.49E-07	8.38E-08	1.56E-06	4.04E-07	5.29E-07	3.82E-08	9.71E-07
3463	565040.8	4222347	3.94E-06	4.82E-06	2.54E-07	9.01E-06	2.09E-06	5.28E-06	2.54E-07	7.62E-06	5.18E-07	9.41E-07	8.31E-08	1.54E-06	4.01E-07	5.24E-07	3.79E-08	9.63E-07
3464	565042	4222356	3.9E-06	4.76E-06	2.51E-07	8.91E-06	2.07E-06	5.22E-06	2.51E-07	7.54E-06	5.12E-07	9.30E-07	8.21E-08	1.52E-06	3.96E-07	5.18E-07	3.75E-08	9.52E-07
3465	565043.2	4222365	3.85E-06	4.7E-06	2.48E-07	8.79E-06	2.04E-06	5.15E-06	2.48E-07	7.44E-06	5.05E-07	9.18E-07	8.10E-08	1.50E-06	3.91E-07	5.11E-07	3.70E-08	9.39E-07
3466	565044.4	4222374	3.79E-06	4.62E-06	2.44E-07	8.65E-06	2.01E-06	5.07E-06	2.44E-07	7.32E-06	4.97E-07	9.03E-07	7.97E-08	1.48E-06	3.85E-07	5.03E-07	3.64E-08	9.24E-07
3467	565045.5	4222384	3.72E-06	4.54E-06	2.39E-07	8.49E-06	1.97E-06	4.98E-06	2.39E-07	7.18E-06	4.88E-07	8.87E-07	7.83E-08	1.45E-06	3.78E-07	4.94E-07	3.57E-08	9.07E-07
3468	565046.7	4222393	3.64E-06	4.44E-06	2.34E-07	8.32E-06	1.93E-06	4.87E-06	2.34E-07	7.04E-06	4.78E-07	8.68E-07	7.66E-08	1.42E-06	3.70E-07	4.83E-07	3.50E-08	8.88E-07
3469	565050.2	4222420	3.37E-06	4.12E-06	2.17E-07	7.71E-06	1.79E-06	4.52E-06	2.17E-07	6.52E-06	4.43E-07	8.05E-07	7.10E-08	1.32E-06	3.43E-07	4.48E-07	3.24E-08	8.23E-07
3470	565029.9	4222339	3.81E-06	4.65E-06	2.45E-07	8.70E-06	2.02E-06	5.10E-06	2.45E-07	7.36E-06	5.00E-07	9.09E-07	8.02E-08	1.49E-06	3.87E-07	5.06E-07	3.66E-08	9.29E-07
3471	565031.1	4222348	3.77E-06	4.61E-06	2.43E-07	8.63E-06	2.00E-06	5.05E-06	2.43E-07	7.30E-06	4.96E-07	9.00E-07	7.95E-08	1.48E-06	3.84E-07	5.01E-07	3.63E-08	9.21E-07
3472	565032.3	4222357	3.73E-06	4.56E-06	2.40E-07	8.53E-06	1.98E-06	5.00E-06	2.40E-07	7.21E-06	4.90E-07	8.90E-07	7.86E-08	1.46E-06	3.79E-07	4.96E-07	3.59E-08	9.11E-07
3473	565033.4	4222366	3.68E-06	4.5E-06	2.37E-07	8.41E-06	1.95E-06	4.93E-06	2.37E-07	7.12E-06	4.83E-07	8.78E-07	7.75E-08	1.44E-06	3.74E-07	4.89E-07	3.54E-08	8.98E-07
3474	565034.6	4222376	3.62E-06	4.42E-06	2.33E-07	8.28E-06	1.92E-06	4.85E-06	2.33E-07	7.00E-06	4.76E-07	8.64E-07	7.63E-08	1.42E-06	3.68E-07	4.81E-07	3.48E-08	8.84E-07
3475	565035.8	4222385	3.56E-06	4.34E-06	2.29E-07	8.13E-06	1.89E-06	4.76E-06	2.29E-07	6.87E-06	4.67E-07	8.48E-07	7.49E-08	1.39E-06	3.61E-07	4.72E-07	3.42E-08	8.68E-07
3476	565036.9	4222394	3.48E-06	4.25E-06	2.24E-07	7.96E-06	1.85E-06	4.66E-06	2.24E-07	6.73E-06	4.57E-07	8.31E-07	7.34E-08	1.36E-06	3.54E-07	4.63E-07	3.35E-08	8.50E-07
3477	565020.2	4222340	3.65E-06	4.46E-06	2.35E-07	8.34E-06	1.93E-06	4.89E-06	2.35E-07	7.05E-06	4.79E-07	8.71E-07	7.68E-08	1.43E-06	3.71E-07	4.85E-07	3.51E-08	8.91E-07
3478	565021.3	4222349	3.62E-06	4.42E-06	2.33E-07	8.26E-06	1.92E-06	4.84E-06	2.33E-07	6.99E-06	4.75E-07	8.63E-07	7.61E-08	1.41E-06	3.67E-07	4.80E-07	3.47E-08	8.82E-07
3479	565022.5	4222358	3.57E-06	4.37E-06	2.30E-07	8.17E-06	1.90E-06	4.79E-06	2.30E-07	6.91E-06	4.69E-07	8.53E-07	7.53E-08	1.40E-06	3.63E-07	4.75E-07	3.43E-08	8.72E-07
3480	565023.7	4222368	3.53E-06	4.31E-06	2.27E-07	8.06E-06	1.87E-06	4.72E-06	2.27E-07	6.82E-06	4.63E-07	8.41E-07	7.43E-08	1.38E-06	3.58E-07	4.68E-07	3.39E-08	8.61E-07
3481	565024.8	4222377	3.47E-06	4.24E-06	2.23E-07	7.93E-06	1.84E-06	4.64E-06	2.23E-07	6.71E-06	4.56E-07	8.28E-07	7.31E-08	1.36E-06	3.53E-07	4.61E-07	3.33E-08	8.47E-07
3482	565026	4222386	3.41E-06	4.16E-06	2.19E-07	7.78E-06	1.81E-06	4.56E-06	2.19E-07	6.58E-06	4.47E-07	8.13E-07	7.17E-08	1.33E-06	3.46E-07	4.52E-07	3.27E-08	8.31E-07
3483	565027.2	4222395	3.34E-06	4.07E-06	2.15E-07	7.63E-06	1.77E-06	4.47E-06	2.15E-07	6.45E-06	4.38E-07	7.96E-07	7.03E-08	1.30E-06	3.39E-07	4.43E-07	3.21E-08	8.14E-07
3484	565010.4	4222341	3.5E-06	4.27E-06	2.25E-07	8.00E-06	1.86E-06	4.69E-06	2.25E-07	6.77E-06	4.60E-07	8.35E-07	7.37E-08	1.37E-06	3.56E-07	4.65E-07	3.36E-08	8.54E-07
3485	565011.6	4222350	3.47E-06	4.23E-06	2.23E-07	7.92E-06	1.84E-06	4.64E-06	2.23E-07	6.70E-06	4.55E-07	8.27E-07	7.30E-08	1.36E-06	3.52E-07	4.61E-07	3.33E-08	8.46E-07
3486	565012.7	4222360	3.43E-06	4.19E-06	2.21E-07	7.83E-06	1.82E-06	4.59E-06	2.21E-07	6.63E-06	4.50E-07	8.18E-07	7.22E-08	1.34E-06	3.48E-07	4.55E-07	3.29E-08	8.37E-07
3487	565013.9	4222369	3.38E-06	4.13E-06	2.18E-07	7.73E-06	1.79E-06	4.53E-06	2.18E-07	6.54E-06	4.44E-07	8.07E-07	7.12E-08	1.32E-06	3.44E-07	4.49E-07	3.25E-08	8.25E-07
3488	565015.1	4222378	3.33E-06	4.06E-06	2.14E-07	7.60E-06	1.76E-06	4.45E-06	2.14E-07	6.43E-06	4.37E-07	7.93E-07	7.00E-08	1.30E-06	3.38E-07	4.42E-07	3.20E-08	8.12E-07
3489	565016.2	4222387	3.26E-06	3.99E-06	2.10E-07	7.46E-06	1.73E-06	4.37E-06	2.10E-07	6.31E-06	4.29E-07	7.79E-07	6.88E-08	1.28E-06	3.32E-07	4.34E-07	3.14E-08	7.97E-07
3490	565017.4	4222396	3.2E-06	3.91E-06	2.06E-07	7.31E-06	1.70E-06	4.28E-06	2.06E-07	6.18E-06	4.20E-07	7.63E-07	6.74E-08	1.25E-06	3.25E-07	4.25E-07	3.07E-08	7.81E-07
3491	565018.6	4222406	3.13E-06	3.82E-06	2.01E-07	7.15E-06	1.66E-06	4.19E-06	2.01E-07	6.05E-06	4.11E-07	7.47E-07	6.59E-08	1.22E-06	3.18E-07	4.16E-07	3.01E-08	7.64E-07
3492	565000.6	4222342	3.36E-06	4.1E-06	2.16E-07	7.68E-06	1.78E-06	4.50E-06	2.16E-07	6.49E-06	4.41E-07	8.01E-07	7.07E-08	1.31E-06	3.41E-07	4.46E-07	3.23E-08	8.20E-07
3493	565001.8	4222352	3.33E-06	4.06E-06	2.14E-07	7.60E-06	1.76E-06	4.45E-06	2.14E-07	6.43E-06	4.37E-07	7.94E-07	7.01E-08	1.30E-06	3.38E-07	4.42E-07	3.20E-08	8.12E-07
3494	565003	4222361	3.29E-06	4.02E-06	2.12E-07	7.52E-06	1.74E-06	4.40E-06	2.12E-07	6.36E-06	4.32E-07	7.84E-07	6.92E-08	1.29E-06	3.34E-07	4.37E-07	3.16E-08	8.02E-07
3495	565004.1	4222370	3.24E-06	3.96E-06	2.09E-07	7.41E-06	1.72E-06	4.34E-06	2.09E-07	6.27E-06	4.26E-07	7.74E-07	6.83E-08	1.27E-06	3.30E-07	4.31E-07	3.12E-08	7.91E-07
3496	565005.3	4222379	3.19E-06	3.9E-06	2.05E-07	7.29E-06	1.69E-06	4.27E-06	2.05E-07	6.17E-06	4.19E-07	7.61E-07	6.72E-08	1.25E-06	3.24E-07	4.24E-07	3.07E-08	7.79E-07
3497	565006.5	4222389	3.13E-06	3.83E-06	2.02E-07	7.16E-06	1.66E-06	4.20E-06	2.02E-07	6.06E-06	4.12E-07	7.48E-07	6.60E-08	1.23E-06	3.18E-07	4.16E-07	3.01E-08	7.65E-07
3498	565007.6	4222398	3.07E-06	3.75E-06	1.98E-07	7.02E-06	1.63E-06	4.11E-06	1.98E-07	5.94E-06	4.03E-07	7.33E-07	6.47E-08	1.20E-06	3.12E-07	4.08E-07	2.95E-08	7.50E-07
3499	565008.8	4222407	3.01E-06	3.67E-06	1.93E-07	6.87E-06	1.59E-06	4.02E-06	1.93E-07	5.81E-06	3.95E-07	7.17E-07	6.33E-08	1.18E-06	3.05E-07	3.99E-07	2.89E-08	7.34E-07
3500	564990.9	4222344	3.23E-06	3.94E-06	2.08E-07	7.38E-06	1.71E-06	4.32E-06	2.08E-07	6.24E-06	4.24E-07	7.70E-07	6.80E-08	1.26E-06	3.28E-07	4.29E-07	3.10E-08	7.88E-07
3501	564992	4222353	3.19E-06	3.9E-06	2.06E-07	7.30E-06	1.69E-06	4.28E-06	2.06E-07	6.18E-06	4.20E-07	7.62E-07	6.73E-08	1.25E-06	3.25E-07	4.24E-07	3.07E-08	7.80E-07
3502	564993.2	4222362	3.16E-06	3.86E-06	2.03E-07	7.21E-06	1.67E-06	4.23E-06	2.03E-07	6.10E-06	4.15E-07	7.53E-07	6.65E-08	1.23E-06	3.21E-07	4.19E-07	3.03E-08	7.70E-07
3503	564994.4	4222371	3.11E-06	3.8E-06	2.00E-07	7.12E-06	1.65E-06	4.17E-06	2.00E-07	6.02E-06	4.09E-07	7.43E-07	6.56E-08	1.22E-06	3.16E-07	4.14E-07	2.99E-08	7.60E-07
3504	564995.6	4222381	3.06E-06	3.74E-06	1.97E-07	7.00E-06	1.62E-06	4.10E-06	1.97E-07	5.93E-06	4.02E-07	7.31E-07	6.45E-08	1.20E-06	3.11E-07	4.07E-07	2.94E-08	7.48E-07
3505	564996.7	4222390	3.01E-06	3.68E-06	1.94E-07	6.88E-06	1.60E-06	4.03E-06	1.94E-07	5.82E-06	3.95E-07	7.18E-07	6.34E-08	1.18E-06	3.06E-07	4.00E-07	2.89E-08	7.35E-07
3506	564997.9	4222399	2.95E-06	3.61E-06	1.90E-07	6.75E-06	1.57E-06	3.95E-06	1.90E-07	5.71E-06	3.88E-07	7.04E-07	6.22E-08	1.15E-06	3.00E-07	3.92E-07	2.84E-08	7.21E-07
3507	564999.1	4222408	2.89E-06	3.53E-06	1.86E-07	6.60E-06	1.53E-06	3.87E-06	1.86E-07	5.59E-06	3.79E-07	6.89E-07	6.09E-08	1.13E-06	2.94E-07	3.84E-07	2.78E-08	7.05E-07
3508	564971	4222346	2.98E-06	3.64E-06	1.92E-07	6.81E-06	1.58E-06	3.99E-06	1.92E-07	5.76E-06	3.91E-07	7.11E-07	6.28E-08	1.17E-06	3.03E-07	3.96E-07	2.86E-08	7.27E-07
3509	564972.2	4222355	2.95E-06	3.6E-06	1.90E-07	6.74E-06	1.56E-06	3.95E-06	1.90E-07	5.70E-06	3.87E-07	7.04E-07	6.21E-08	1.15E-06	3.00E-07	3.92E-07	2.83E-08	7.20E-07
3510	564973.4	4222365	2.91E-06	3.56E-06	1.87E-07	6.66E-06	1.54E-06	3.90E-06	1.87E-07	5.63E-06	3.82E-07	6.95E-07	6.13E-08	1.14E-06	2.96E-07	3.87E-07	2.80E-08	7.11E-07
3511	564974.5	4222374	2.87E-06	3.51E-06	1.85E-07	6.57E-06	1.52E-06	3.85E-06	1.85E-07	5.56E-06	3.77E-07	6.86E-07	6.05E-08	1.12E-06	2.92E-07	3.82E-07	2.76E-08	7.01E-07
3512	564975.7	4222383	2.83E-06	3.46E-06	1.82E-07	6.47E-06	1.50E-06	3.79E-06	1.82E-07	5.47E-06	3.72E-07	6.75E-07	5.96E-08	1.11E-06	2.88E-07	3.76E-07	2.72E-08	6.91E-07
3513	564980.4	4222420	2.61E-06	3.19E-06	1.68E-07	5.97E-06	1.39E-06	3.50E-06	1.68E-07	5.05E-06	3.43E-07	6.24E-07	5.50E-08	1.02E-06	2.66E-07	3.47E-07	2.51E-08	6.38E-07
3514	564981.6	4222429	2.55E-06	3.12E-06	1.64E-07	5.83E-06	1.35E-06	3.42E-06	1.64E-07	4.93E-06	3.35E-07	6.09E-07	5.37E-08	9.98E-07	2.59E-07	3.39E-07	2.45E-08	6.23E-07
3515	564950	4222339	2.79E-06	3.4E-06	1.79E-07	6.37E-06	1.48E-06	3.73E-06	1.79E-07	5.39E-06	3.66E-07	6.65E-07	5.87E-08	1.09E-06	2.83E-07	3.70E-07	2.68E-08	6.80E-07
3516	564951.2	4222349	2.76E-06	3.37E-06	1.78E-07	6.31E-06	1.46E-06	3.70E-06	1.78E-07	5.34E-06	3.62E-07	6.58E-07	5.81E-08	1.08E-06	2.80E-07	3.67E-07	2.65E-08	6.74E-07
3517	564952.4	4222358	2.73E-06	3.33E-06	1.76E-07	6.24E-06	1.45E-06	3.66E-06	1.76E-07	5.28E-06	3.59E-07	6.51E-07	5.75E-08	1.07E-06	2.77E-07	3.63E-07	2.62E-08	6.66E-07

3518	564958.2	4222404	2.53E-06	3.09E-06	1.63E-07	5.79E-06	1.34E-06	3.39E-06	1.63E-07	4.89E-06	3.32E-07	6.04E-07	5.33E-08	9.90E-07	2.57E-07	3.36E-07	2.43E-08	6.18E-07
3519	564959.4	4222413	2.48E-06	3.03E-06	1.60E-07	5.67E-06	1.32E-06	3.32E-06	1.60E-07	4.80E-06	3.26E-07	5.92E-07	5.23E-08	9.70E-07	2.52E-07	3.30E-07	2.38E-08	6.06E-07
3520	564960.5	4222422	2.43E-06	2.97E-06	1.56E-07	5.55E-06	1.29E-06	3.25E-06	1.56E-07	4.70E-06	3.19E-07	5.80E-07	5.12E-08	9.50E-07	2.47E-07	3.23E-07	2.33E-08	5.93E-07
3521	564961.7	4222432	2.38E-06	2.9E-06	1.53E-07	5.43E-06	1.26E-06	3.18E-06	1.53E-07	4.59E-06	3.12E-07	5.67E-07	5.00E-08	9.29E-07	2.41E-07	3.16E-07	2.28E-08	5.80E-07
3522	564934.9	4222379	2.48E-06	3.02E-06	1.59E-07	5.66E-06	1.31E-06	3.31E-06	1.59E-07	4.79E-06	3.25E-07	5.91E-07	5.21E-08	9.68E-07	2.52E-07	3.29E-07	2.38E-08	6.04E-07
3523	564936	4222388	2.44E-06	2.98E-06	1.57E-07	5.57E-06	1.29E-06	3.27E-06	1.57E-07	4.72E-06	3.20E-07	5.82E-07	5.14E-08	9.53E-07	2.48E-07	3.24E-07	2.34E-08	5.95E-07
3524	564937.2	4222397	2.4E-06	2.93E-06	1.54E-07	5.48E-06	1.27E-06	3.21E-06	1.54E-07	4.64E-06	3.15E-07	5.72E-07	5.05E-08	9.38E-07	2.44E-07	3.19E-07	2.31E-08	5.86E-07
3525	564938.4	4222407	2.36E-06	2.88E-06	1.52E-07	5.39E-06	1.25E-06	3.16E-06	1.52E-07	4.56E-06	3.10E-07	5.62E-07	4.96E-08	9.22E-07	2.40E-07	3.13E-07	2.26E-08	5.75E-07
3526	564939.5	4222416	2.31E-06	2.82E-06	1.49E-07	5.29E-06	1.23E-06	3.10E-06	1.49E-07	4.47E-06	3.04E-07	5.52E-07	4.87E-08	9.04E-07	2.35E-07	3.07E-07	2.22E-08	5.64E-07
3527	564940.7	4222425	2.27E-06	2.77E-06	1.46E-07	5.18E-06	1.20E-06	3.03E-06	1.46E-07	4.38E-06	2.98E-07	5.41E-07	4.77E-08	8.86E-07	2.30E-07	3.01E-07	2.18E-08	5.53E-07
3528	564941.9	4222434	2.22E-06	2.71E-06	1.43E-07	5.07E-06	1.18E-06	2.97E-06	1.43E-07	4.29E-06	2.91E-07	5.29E-07	4.67E-08	8.67E-07	2.25E-07	2.95E-07	2.13E-08	5.41E-07
3529	564911.5	4222354	2.39E-06	2.92E-06	1.54E-07	5.47E-06	1.27E-06	3.21E-06	1.54E-07	4.63E-06	3.14E-07	5.71E-07	5.04E-08	9.36E-07	2.43E-07	3.18E-07	2.30E-08	5.84E-07
3530	564912.7	4222363	2.37E-06	2.89E-06	1.52E-07	5.41E-06	1.26E-06	3.17E-06	1.52E-07	4.58E-06	3.11E-07	5.65E-07	4.99E-08	9.26E-07	2.41E-07	3.15E-07	2.28E-08	5.78E-07
3531	564913.8	4222372	2.34E-06	2.86E-06	1.51E-07	5.35E-06	1.24E-06	3.13E-06	1.51E-07	4.52E-06	3.07E-07	5.58E-07	4.93E-08	9.15E-07	2.38E-07	3.11E-07	2.25E-08	5.71E-07
3532	564915	4222381	2.31E-06	2.82E-06	1.49E-07	5.28E-06	1.22E-06	3.09E-06	1.49E-07	4.47E-06	3.03E-07	5.51E-07	4.86E-08	9.03E-07	2.35E-07	3.07E-07	2.22E-08	5.64E-07
3533	564916.2	4222391	2.28E-06	2.78E-06	1.46E-07	5.20E-06	1.21E-06	3.05E-06	1.46E-07	4.40E-06	2.99E-07	5.43E-07	4.79E-08	8.90E-07	2.31E-07	3.02E-07	2.19E-08	5.56E-07
3534	564917.4	4222400	2.24E-06	2.74E-06	1.44E-07	5.12E-06	1.19E-06	3.00E-06	1.44E-07	4.33E-06	2.94E-07	5.34E-07	4.72E-08	8.76E-07	2.28E-07	2.98E-07	2.15E-08	5.47E-07
3535	564918.5	4222409	2.2E-06	2.69E-06	1.42E-07	5.03E-06	1.17E-06	2.95E-06	1.42E-07	4.26E-06	2.89E-07	5.25E-07	4.64E-08	8.61E-07	2.24E-07	2.93E-07	2.12E-08	5.38E-07
3536	564919.7	4222418	2.16E-06	2.64E-06	1.39E-07	4.94E-06	1.15E-06	2.89E-06	1.39E-07	4.18E-06	2.84E-07	5.16E-07	4.55E-08	8.45E-07	2.20E-07	2.87E-07	2.08E-08	5.28E-07
3537	564920.9	4222427	2.12E-06	2.59E-06	1.36E-07	4.85E-06	1.12E-06	2.84E-06	1.36E-07	4.10E-06	2.78E-07	5.06E-07	4.46E-08	8.29E-07	2.15E-07	2.82E-07	2.04E-08	5.17E-07
3538	564922	4222437	2.08E-06	2.54E-06	1.34E-07	4.75E-06	1.10E-06	2.78E-06	1.34E-07	4.02E-06	2.73E-07	4.95E-07	4.37E-08	8.12E-07	2.11E-07	2.76E-07	2.00E-08	5.07E-07
3539	564891.7	4222356	2.24E-06	2.73E-06	1.44E-07	5.12E-06	1.19E-06	3.00E-06	1.44E-07	4.33E-06	2.94E-07	5.34E-07	4.71E-08	8.75E-07	2.27E-07	2.97E-07	2.15E-08	5.46E-07
3540	564892.8	4222365	2.21E-06	2.71E-06	1.43E-07	5.06E-06	1.17E-06	2.97E-06	1.43E-07	4.28E-06	2.91E-07	5.28E-07	4.66E-08	8.66E-07	2.25E-07	2.94E-07	2.13E-08	5.41E-07
3541	564894	4222375	2.19E-06	2.67E-06	1.41E-07	5.00E-06	1.16E-06	2.93E-06	1.41E-07	4.23E-06	2.87E-07	5.22E-07	4.61E-08	8.56E-07	2.22E-07	2.91E-07	2.10E-08	5.34E-07
3542	564895.2	4222384	2.16E-06	2.64E-06	1.39E-07	4.94E-06	1.15E-06	2.89E-06	1.39E-07	4.18E-06	2.84E-07	5.15E-07	4.55E-08	8.45E-07	2.20E-07	2.87E-07	2.08E-08	5.27E-07
3543	564896.3	4222393	2.13E-06	2.6E-06	1.37E-07	4.87E-06	1.13E-06	2.85E-06	1.37E-07	4.12E-06	2.80E-07	5.08E-07	4.49E-08	8.33E-07	2.16E-07	2.83E-07	2.05E-08	5.20E-07
3544	564897.5	4222402	2.1E-06	2.56E-06	1.35E-07	4.79E-06	1.11E-06	2.81E-06	1.35E-07	4.06E-06	2.75E-07	5.00E-07	4.42E-08	8.20E-07	2.13E-07	2.79E-07	2.02E-08	5.12E-07
3545	564898.7	4222412	2.06E-06	2.52E-06	1.33E-07	4.72E-06	1.09E-06	2.76E-06	1.33E-07	3.99E-06	2.71E-07	4.92E-07	4.35E-08	8.07E-07	2.10E-07	2.74E-07	1.98E-08	5.04E-07
3546	564899.9	4222421	2.03E-06	2.48E-06	1.31E-07	4.64E-06	1.08E-06	2.72E-06	1.31E-07	3.92E-06	2.66E-07	4.84E-07	4.27E-08	7.93E-07	2.06E-07	2.69E-07	1.95E-08	4.95E-07
3547	564901	4222430	1.99E-06	2.43E-06	1.28E-07	4.55E-06	1.06E-06	2.66E-06	1.28E-07	3.85E-06	2.61E-07	4.75E-07	4.19E-08	7.78E-07	2.02E-07	2.64E-07	1.91E-08	4.86E-07
3548	564902.2	4222439	1.95E-06	2.38E-06	1.26E-07	4.46E-06	1.03E-06	2.61E-06	1.26E-07	3.77E-06	2.56E-07	4.65E-07	4.11E-08	7.63E-07	1.98E-07	2.59E-07	1.87E-08	4.76E-07
3549	564873	4222368	2.08E-06	2.54E-06	1.34E-07	4.75E-06	1.10E-06	2.78E-06	1.34E-07	4.01E-06	2.73E-07	4.95E-07	4.37E-08	8.12E-07	2.11E-07	2.76E-07	2.00E-08	5.07E-07
3550	564874.2	4222377	2.05E-06	2.51E-06	1.32E-07	4.69E-06	1.09E-06	2.75E-06	1.32E-07	3.97E-06	2.70E-07	4.90E-07	4.32E-08	8.02E-07	2.09E-07	2.73E-07	1.97E-08	5.01E-07
3551	564875.3	4222386	2.03E-06	2.47E-06	1.30E-07	4.63E-06	1.07E-06	2.71E-06	1.30E-07	3.92E-06	2.66E-07	4.83E-07	4.27E-08	7.92E-07	2.06E-07	2.69E-07	1.95E-08	4.94E-07
3552	564876.5	4222396	2E-06	2.44E-06	1.29E-07	4.57E-06	1.06E-06	2.67E-06	1.29E-07	3.86E-06	2.62E-07	4.77E-07	4.21E-08	7.81E-07	2.03E-07	2.65E-07	1.92E-08	4.88E-07
3553	564877.7	4222405	1.97E-06	2.4E-06	1.27E-07	4.50E-06	1.04E-06	2.63E-06	1.27E-07	3.80E-06	2.58E-07	4.70E-07	4.14E-08	7.69E-07	2.00E-07	2.61E-07	1.89E-08	4.80E-07
3554	564878.8	4222414	1.94E-06	2.37E-06	1.25E-07	4.43E-06	1.03E-06	2.59E-06	1.25E-07	3.74E-06	2.54E-07	4.62E-07	4.08E-08	7.57E-07	1.97E-07	2.57E-07	1.86E-08	4.73E-07
3555	564880	4222423	1.9E-06	2.33E-06	1.23E-07	4.35E-06	1.01E-06	2.55E-06	1.23E-07	3.68E-06	2.50E-07	4.54E-07	4.01E-08	7.44E-07	1.93E-07	2.53E-07	1.83E-08	4.65E-07
3556	564881.2	4222433	1.87E-06	2.28E-06	1.20E-07	4.27E-06	9.91E-07	2.50E-06	1.20E-07	3.62E-06	2.46E-07	4.46E-07	3.94E-08	7.31E-07	1.90E-07	2.48E-07	1.80E-08	4.56E-07
3557	564882.3	4222442	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.73E-07	2.46E-06	1.18E-07	3.55E-06	2.41E-07	4.38E-07	3.86E-08	7.17E-07	1.86E-07	2.44E-07	1.76E-08	4.48E-07
3558	564852	4222361	1.97E-06	2.41E-06	1.27E-07	4.51E-06	1.05E-06	2.64E-06	1.27E-07	3.81E-06	2.59E-07	4.70E-07	4.15E-08	7.71E-07	2.00E-07	2.62E-07	1.89E-08	4.81E-07
3559	564855.5	4222389	1.9E-06	2.33E-06	1.23E-07	4.35E-06	1.01E-06	2.55E-06	1.23E-07	3.68E-06	2.50E-07	4.54E-07	4.01E-08	7.44E-07	1.93E-07	2.53E-07	1.83E-08	4.65E-07
3560	564856.7	4222398	1.88E-06	2.29E-06	1.21E-07	4.29E-06	9.96E-07	2.51E-06	1.21E-07	3.63E-06	2.47E-07	4.48E-07	3.96E-08	7.34E-07	1.91E-07	2.49E-07	1.80E-08	4.58E-07
3561	564857.8	4222407	1.85E-06	2.26E-06	1.19E-07	4.23E-06	9.81E-07	2.48E-06	1.19E-07	3.58E-06	2.43E-07	4.41E-07	3.90E-08	7.23E-07	1.88E-07	2.46E-07	1.78E-08	4.52E-07
3562	564859	4222417	1.82E-06	2.22E-06	1.17E-07	4.16E-06	9.66E-07	2.44E-06	1.17E-07	3.52E-06	2.39E-07	4.35E-07	3.84E-08	7.12E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
3563	564860.2	4222426	1.79E-06	2.19E-06	1.15E-07	4.09E-06	9.49E-07	2.40E-06	1.15E-07	3.46E-06	2.35E-07	4.27E-07	3.77E-08	7.00E-07	1.82E-07	2.38E-07	1.72E-08	4.37E-07
3564	564861.3	4222435	1.76E-06	2.15E-06	1.13E-07	4.02E-06	9.33E-07	2.36E-06	1.13E-07	3.40E-06	2.31E-07	4.20E-07	3.71E-08	6.88E-07	1.79E-07	2.34E-07	1.69E-08	4.30E-07
3565	564862.5	4222444	1.73E-06	2.11E-06	1.11E-07	3.95E-06	9.17E-07	2.32E-06	1.11E-07	3.34E-06	2.27E-07	4.13E-07	3.64E-08	6.76E-07	1.76E-07	2.30E-07	1.66E-08	4.22E-07
3566	564831	4222355	1.87E-06	2.29E-06	1.21E-07	4.29E-06	9.94E-07	2.51E-06	1.21E-07	3.62E-06	2.46E-07	4.47E-07	3.95E-08	7.33E-07	1.91E-07	2.49E-07	1.80E-08	4.58E-07
3567	564832.1	4222364	1.86E-06	2.27E-06	1.20E-07	4.24E-06	9.85E-07	2.49E-06	1.20E-07	3.59E-06	2.44E-07	4.43E-07	3.91E-08	7.26E-07	1.89E-07	2.47E-07	1.78E-08	4.53E-07
3568	564833.3	4222373	1.84E-06	2.24E-06	1.18E-07	4.20E-06	9.74E-07	2.46E-06	1.18E-07	3.55E-06	2.41E-07	4.38E-07	3.87E-08	7.18E-07	1.87E-07	2.44E-07	1.77E-08	4.48E-07
3569	564836.8	4222401	1.77E-06	2.16E-06	1.14E-07	4.04E-06	9.38E-07	2.37E-06	1.14E-07	3.42E-06	2.32E-07	4.22E-07	3.73E-08	6.92E-07	1.80E-07	2.35E-07	1.70E-08	4.32E-07
3570	564838	4222410	1.74E-06	2.13E-06	1.12E-07	3.99E-06	9.25E-07	2.34E-06	1.12E-07	3.37E-06	2.29E-07	4.16E-07	3.67E-08	6.82E-07	1.77E-07	2.32E-07	1.68E-08	4.26E-07
3571	564839.2	4222419	1.72E-06	2.1E-06	1.11E-07	3.93E-06	9.11E-07	2.30E-06	1.11E-07	3.32E-06	2.26E-07	4.10E-07	3.62E-08	6.72E-07	1.75E-07	2.28E-07	1.65E-08	4.19E-07
3572	564840.3	4222428	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.97E-07	2.26E-06	1.09E-07	3.27E-06	2.22E-07	4.03E-07	3.56E-08	6.61E-07	1.72E-07	2.25E-07	1.62E-08	4.13E-07
3573	564841.5	4222438	1.66E-06	2.03E-06	1.07E-07	3.80E-06	8.82E-07	2.23E-06	1.07E-07	3.22E-06	2.18E-07	3.97E-07	3.50E-08	6.50E-07	1.69E-07	2.21E-07	1.60E-08	4.06E-07
3574	564842.7	4222447	1.63E-06	2E-06	1.05E-07	3.73E-06	8.66E-07	2.19E-06	1.05E-07	3.16E-06	2.15E-07	3.90E-07	3.44E-08	6.39E-07	1.66E-07	2.17E-07	1.57E-08	3.99E-07
3575	564812.3	4222366	1.75E-06	2.14E-06	1.13E-07	4.00E-06	9.29E-07	2.35E-06	1.13E-07	3.39E-06	2.30E-07	4.18E-07	3.69E-08	6.85E-07	1.78E-07	2.33E-07	1.68E-08	4.28E-07
3576	564813.5	4222375	1.73E-06	2.12E-06	1.12E-07	3.96E-06	9.19E-07	2.32E-06	1.12E-07	3.35E-06	2.28E-07	4.14E-07	3.65E-08	6.78E-07	1.76E-07	2.30E-07	1.67E-08	4.23E-07
3577	564814.6	4222385	1.71E-06	2.09E-06	1.10E-07	3.92E-06	9.09E-07	2.29E-06	1.10E-07	3.31E-06	2.25E-07	4.09E-07	3.61E-08	6.70E-07	1.74E-07	2.28E-07	1.65E-08	4.18E-07
3578	564815.8	4222394	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.97E-07	2.27E-06	1.09E-07	3.27E-06	2.22E-07	4.04E-07	3.56E-08	6.62E-07	1.72E-07	2.25E-07	1.63E-08	4.13E-07
3579	564820.5	4222431	1.6E-06	1.95E-06	1.03E-07	3.65E-06	8.48E-07	2.14E-06	1.03E-07	3.09E-06	2.10E-07	3.81E-07	3.37E-08	6.25E-07	1.62E-07	2.12E-07	1.54E-08	3.90E-07
3580	564821.7	4222440	1.57E-06	1.92E-06	1.01E-07	3.59E-06	8.34E-07	2.11E-06	1.01E-07	3.04E-06	2.07E-07	3.75E-07	3.31E-08	6.15E-07	1.60E-07	2.09E-07	1.51E-08	3.84E-07
3581	564822.8	4222449	1.55E-06	1.89E-06	9.95E-08	3.53E-06	8.20E-07	2.07E-06	9.95E-08	2.99E-06	2.03E-07	3.69E-07	3.26E-08	6.04E-07	1.57E-07	2.05E-07	1.49E-08	3.77E-07
3582	564792.5	4222369	1.66E-06	2.02E-06	1.07E-07	3.79E-06	8.78E-07	2.22E-06	1.07E-07	3.20E-06	2.18E-07	3.95E-07	3.49E-08	6.48E-07	1.68E-07	2.20E-07	1.59E-08	4.04E-07
3583	564793.6	4222378	1.64E-06	2E-06	1.06E-07	3.75E-06	8.69E-07	2.19E-06	1.06E-07	3.17E-06	2.15E-07	3.91E-07	3.45E-08	6.41E-07	1.67E-07	2.18E-07	1.57E-08	4.00E-07
3584	564794.8	4222387	1.62E-06	1.98E-06	1.04E-07	3.70E-06	8.59E-07	2.17E-06	1.04E-07	3.13E-06	2.13E-07	3.87E-07	3.41E-08	6.34E-07	1.65E-07	2.15E-07	1.56E-08	3.96E-07
3585	564796	4222396	1.6E-06	1.96E-06	1.03E-07	3.66E-06	8.49E-07	2.14E-06	1.03E-07	3.10E-06	2.10E-07	3.82E-07	3.37E-08	6.26E-07	1.63E-07	2.13E-07	1.54E-08	3.91E-07
3586	564797.1	4222406	1.58E-06	1.93E-06	1.02E-07	3.61E-06	8.38E-07	2.12E-06	1.02E-07	3.06E-06	2.08E-07	3.77E-07	3.33E-08	6.18E-07	1.61E-07	2.10E-07	1.52E-08	3.86E-07
3587	564798.3	4222415	1.56E-06	1.9E-06	1.00E-07	3.56E-06	8.27E-07	2.09E-06	1.00E-07	3.01E-06	2.05E-07	3.72E-07	3.28E-08	6.10E-07	1.58E-07	2.07E-07	1.50E-08	3.81E-07
3588	564799.5	4222424	1.54E-06	1.88E-06	9.89E-08	3.51E-06	8.15E-07	2.06E-06	9.89E-08	2.97E-06	2.02E-07	3.67E-07	3.24E-08	6.01E-07	1.56E-07	2.04E-07	1.48E-08	3.75E-07
3589	564800.6	4222433	1.51E-06	1.85E-06	9.74E-08	3.46E-06	8.03E-07	2.03E-06	9.74E-08	2.93E-06	1.99E-07	3.61E-07	3.19E-08	5.92E-07	1.54E-07	2.01E-07	1.45E-08	3.69E-07
3590	564772.6	4222371	1.57E-06	1.92E-06	1.01E-07	3.59E-06	8.32E-07	2.10E-06	1.01E-07	3.03E-06	2.06E-07	3.74E-07	3.30E-08	6.13E-07	1.59E-07	2.08E-07	1.51E-08	3.83E-07
3591	564773.8	4222381	1.55E-06	1.9E-06	1.00E-07	3.55E-06	8.23E-07	2.08E-06	1.00E-07	3.00E-06	2.04E-07	3.70E-07	3.27E-08	6.07E-07	1.58E-07	2.06E-07	1.49E-08	3.79E-07
3592	564775	4222390	1.54E-06	1.88E-06	9.89E-08	3.51E-06	8.14E-07	2.06E-06	9.89E-08	2.97E-06	2.02E-07	3.66E-07	3.24E-08	6.01E-07	1.56E-07	2.04E-07	1.48E-08	3.75E-07
3593	564776.1	4222399	1.52E-06	1.85E-06	9.77E-08	3.47E-06	8.05E-07	2.03E-06	9.77E-08	2.93E-06	1.99E-07	3.62E-07	3.20E-08	5.93E-07	1.54E-07	2.02E-07	1.46E-08	3.70E-07
3594	564777.3	4222408	1.5E-06	1.83E-06	9.64E-08	3.42E-06	7.94E-07	2.01E-06	9.64E-08	2.90E-06	1.97E-07	3.57E-07	3.16E-08	5.86E-07	1.52E-07	1.99E-07	1.44E-08	3.66E-07
3595	564778.5	4222417	1.48E-06	1.81E-06	9.51E-08	3.38E-06	7.84E-07	1.98E-06	9.51E-08	2.86E-06	1.94E-07	3.53E-07	3.11E-08	5.78E-07	1.50E-07	1.96E-07	1.42E-08	3.61E-07
3596	564779.6	4222427	1.46E-06	1.78E-06	9.38E-08	3.33E-06	7.72E-07	1.95E-06	9.38E-08	2.82E-06	1.91E-07	3.48E-07	3.07E-08	5.70E-07	1.48E-07	1.94E-07	1.40E-08	3.56E-07
3597	564780.8	4222436	1.44E-06	1.75E-06	9.24E-08	3.28E-06	7.61E-07	1.92E-06	9.24E-08	2.78E-06	1.89E-07	3.43E-07	3.02E-08	5.61E-07	1.46E-07	1.91E-07	1.38E-08	3.50E-07
3598	564782	4222445	1.41E-06	1.73E-06	9.10E-08	3.23E-06	7.49E-07	1.89E-06	9.10E-08	2.73E-06	1.86E-07	3.37E-07	2.98E-08	5.53E-07	1.44E-07	1.88E-07	1.36E-08	3.45E-07
3599	564783.1	4222454	1.39E-06	1.7E-06	8.95E-08	3.18E-06	7.37E-07	1.86E-06	8.95E-08	2.69E-06	1.83E-07	3.32E-07	2.93E-08	5.44E-07	1.41E-07	1.85E-07	1.34E-08	3.39E-07
3600	564752.8	4222374	1.49E-06	1.82E-06	9.58E-08	3.40E-06	7.89E-07	1.99E-06	9.58E-08	2.88E-06	1.95E-07	3.55E-07	3.13E-08	5.82E-07	1.51E-07	1.98E-07	1.43E-08	3.63E-07
3601	564753.9	4222383	1.47E-06	1.8E-06	9.48E-08	3.37E-06	7.81E-07	1.97E-06	9.48E-08	2.85E-06	1.93E-07	3.51E-07	3.10E-08	5.76E-07	1.50E-07	1.96E-07	1.42E-08	3.60E-07
3602	564755.1	4222392	1.46E-06	1.78E-06	9.38E-08	3.33E-06	7.73E-07	1.95E-06	9.38E-08	2.82E-06	1.91E-07	3.48E-07	3.07E-08	5.70E-07	1.48E-07	1.94E-07	1.40E-08	3.56E-07
3603	564756.3	4222401	1.44E-06	1.76E-06	9.27E-08	3.29E-06	7.64E-07	1.93E-06	9.27E-08	2.78E-06	1.89E-07	3.44E-07	3.03E-08	5.63E-07	1.46E-07	1.91E-07	1.38E-08	3.52E-07
3604	564757.5	4222411	1.42E-06	1.74E-06	9.15E-08	3.25E-06	7.54E-07	1.90E-06	9.15E-08	2.75E-06	1.87E-07	3.39E-07	2.99E-08	5.56E-07	1.45E-07	1.89E-07	1.37E-08	3.47E-07
3605	564758.6	4222420	1.4E-06	1.71E-06	9.03E-08	3.21E-06	7.44E-07	1.88E-06	9.03E-08	2.71E-06	1.84E-07	3.35E-07	2.95E-08	5.48E-07	1.43E-07	1.86E-07	1.35E-08	3.42E-07
3606	564759.8	4222429	1.38E-06	1.69E-06	8.90E-08	3.16E-06	7.33E-07	1.85E-06	8.90E-08	2.67E-06	1.82E-07	3.30E-07	2.91E-08	5.41E-07	1.41E-07	1.84E-07	1.33E-08	3.38E-07
3607	564761	4222438	1.36E-06	1.67E-06	8.78E-08	3.12E-06	7.23E-07	1.83E-06	8.78E-08	2.64E-06	1.79E-07	3.25E-07	2.87E-08	5.33E-07	1.39E-07	1.81E-07	1.31E-08	3.33E-07
3608	564762.1	4222448	1.34E-06	1.64E-06	8.64E-08	3.07E-06	7.12E-07	1.80E-06	8.64E-08	2.60E-06	1.76E-07	3.20E-07	2.83E-08	5.25E-07	1.36E-07	1.78E-07	1.29E-08	3.28E-07
3609	564763.3	4222457	1.32E-06	1.61E-06	8.51E-08	3.02E-06	7.01E-07	1.77E-06	8.51E-08	2.56E-06	1.74E-07	3.15E-07	2.78E-08	5.17E-07	1.34E-07	1.76E-07	1.27E-08	3.23E-07
3610	564732.9	4222376	1.41E-06	1.73E-06	9.10E-08	3.23E-06	7.50E-07	1.89E-06	9.10E-08	2.73E-06	1.86E-07	3.37E-07	2.98E-08	5.53E-07	1.44E-07	1.88E-07	1.36E-08	3.45E-07
3611	564736.4	4222404	1.37E-06	1.67E-06	8.81E-08	3.13E-06	7.26E-07	1.83E-06	8.81E-08	2.65E-06	1.80E-07	3.26E-07	2.88E-08	5.35E-07	1.39E-07	1.82E-07	1.31E-08	3.34E-07
3612	564737.6	4222413	1.35E-06	1.65E-06	8.70E-08	3.09E-06	7.17E-07	1.81E-06	8.70E-08	2.61E-06	1.77E-07	3.22E-07	2.85E-08	5.28E-07	1.37E-07	1.80E-07	1.30E-08	3.30E-07
3613	564738.8	4222422	1.33E-06	1.63E-06	8.59E-08	3.05E-06	7.07E-07	1.79E-06	8.59E-08	2.58E-06	1.75E-07	3.18E-07	2.81E-08	5.21E-07	1.36E-07	1.77E-07	1.28E-08	3.26E-07
3614	564740	4222432	1.32E-06	1.61E-06	8.47E-08	3.01E-06	6.98E-07	1.76E-06	8.47E-08	2.54E-06	1.73E-07	3.14E-07	2.77E-08	5.14E-07	1.34E-07	1.75E-07	1.26E-08	3.21E-07
3615	564741.1	4222441	1.3E-06	1.58E-06	8.35E-08	2.97E-06	6.88E-07	1.74E-06	8.35E-08	2.51E-06	1.70E-07	3.10E-07	2.73E-08	5.07E-07	1.32E-07	1.72E-07	1.25E-08	3.17E-07
3616	564742.3	4222450	1.28E-06	1.56E-06	8.23E-08	2.92E-06	6.78E-07	1.71E-06	8.23E-08	2.47E-06	1.68E-07	3.05E-07	2.69E-08	5.00E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07
3617	564743.5	4222459	1.26E-06	1.54E-06	8.10E-08	2.88E-06	6.67E-07	1.69E-06	8.10E-08	2.43E-06	1.65E-07	3.00E-07	2.65E-08	4.92E-07	1.28E-07	1.67E-07	1.21E-08	3.07E-07
3618	564711.9	4222370	1.36E-06	1.66E-06	8.74E-08	3.11E-06	7.20E-07	1.82E-06	8.74E-08	2.63E-06	1.78E-07	3.24E-07	2.86E-08	5.31E-07	1.38E-07	1.80E-07	1.31E-08	3.32E-07
3619	564713.1	4222379	1.35E-06	1.64E-06	8.66E-08	3.08E-06	7.13E-07	1.80E-06	8.66E-08	2.60E-06	1.77E-07	3.21E-07	2.83E-08	5.26E-07	1.37E-07	1.79E-07	1.29E-08	3.28E-07
3620	564714.3	4222388	1.33E-06	1.63E-06	8.57E-08	3.04E-06	7.06E-07	1.78E-06	8.57E-08	2.58E-06	1.75E-07	3.18E-07	2.80E-08	5.21E-07	1.35E-07	1.77E-07	1.28E-08	3.25E-07
3621	564695.6	4222400	1.26E-06	1.53E-06	8.08E-08	2.87E-06	6.65E-07	1.68E-06	8.08E-08	2.43E-06	1.65E-07	2.99E-07	2.64E-08	4.91E-07	1.28E-07	1.67E-07	1.21E-08	3.06E-07
3622	564696.8	4222409	1.24E-06	1.52E-06	7.99E-08	2.84E-06	6.58E-07	1.66E-06	7.99E-08	2.40E-06	1.63E-07	2.96E-07	2.61E-08	4.85E-07	1.26E-07	1.65E-07	1.19E-08	3.03E-07
3623	564697.9	4222418	1.23E-06	1.5E-06	7.90E-08	2.80E-06	6.50E-07	1.64E-06	7.90E-08	2.37E-06	1.61E-07	2.93E-07	2.58E-08	4.80E-07	1.25E-07	1.63E-07	1.18E-08	2.99E-07
3624	564699.1	4222427	1.21E-06	1.48E-06	7.80E-08	2.77E-06	6.42E-07	1.62E-06	7.80E-08	2.34E-06	1.59E-07	2.89E-07	2.55E-08	4.74E-07	1.23E-07	1.61E-07	1.16E-08	2.96E-07
3625	564700.3	4222437	1.2E-06	1.46E-06	7.70E-08	2.73E-06	6.34E-07	1.60E-06	7.70E-08	2.31E-06	1.57E-07	2.85E-07	2.52E-08	4.67E-07	1.22E-07	1.59E-07	1.15E-08	2.92E-07
3626	564701.4	4222446	1.18E-06	1.44E-06	7.59E-08	2.70E-06	6.25E-07	1.58E-06	7.59E-08	2.28E-06	1.55E-07	2.81E-07	2.48E-08	4.61E-07	1.20E-07	1.57E-07	1.13E-08	2.88E-07
3627	564702.6	4222455	1.16E-06	1.42E-06	7.48E-08	2.66E-06	6.16E-07	1.56E-06	7.48E-08	2.25E-06	1.53E-07	2.77E-07	2.45E-08	4.54E-07	1.18E-07	1.54E-07	1.12E-08	2.84E-07

3628	564703.8	4222464	1.15E-06	1.4E-06	7.37E-08	2.62E-06	6.07E-07	1.53E-06	7.37E-08	2.21E-06	1.50E-07	2.73E-07	2.41E-08	4.48E-07	1.16E-07	1.52E-07	1.10E-08	2.80E-07
3629	565258.1	4222418	9.95E-06	1.22E-05	6.40E-07	2.27E-05	5.27E-06	1.33E-05	6.40E-07	1.92E-05	1.31E-06	2.37E-06	2.10E-07	3.89E-06	1.01E-06	1.32E-06	9.56E-08	2.43E-06
3630	565251.7	4222407	1.02E-05	1.24E-05	6.55E-07	2.33E-05	5.39E-06	1.36E-05	6.55E-07	1.97E-05	1.34E-06	2.43E-06	2.14E-07	3.98E-06	1.03E-06	1.35E-06	9.78E-08	2.48E-06
3631	565258.2	4222437	8.84E-06	1.08E-05	5.69E-07	2.02E-05	4.69E-06	1.18E-05	5.69E-07	1.71E-05	1.16E-06	2.11E-06	1.86E-07	3.46E-06	8.98E-07	1.17E-06	8.49E-08	2.16E-06
3632	565251.8	4222425	9.06E-06	1.11E-05	5.83E-07	2.07E-05	4.80E-06	1.21E-05	5.83E-07	1.75E-05	1.19E-06	2.16E-06	1.91E-07	3.54E-06	9.21E-07	1.20E-06	8.71E-08	2.21E-06
3633	565245.3	4222414	9.31E-06	1.14E-05	5.99E-07	2.13E-05	4.94E-06	1.25E-05	5.99E-07	1.80E-05	1.22E-06	2.22E-06	1.96E-07	3.64E-06	9.46E-07	1.24E-06	8.95E-08	2.27E-06
3634	565252.1	4222444	7.99E-06	9.76E-06	5.15E-07	1.83E-05	4.24E-06	1.07E-05	5.15E-07	1.55E-05	1.05E-06	1.91E-06	1.68E-07	3.13E-06	8.12E-07	1.06E-06	7.68E-08	1.95E-06
3635	565245.6	4222433	8.27E-06	1.01E-05	5.32E-07	1.89E-05	4.38E-06	1.11E-05	5.32E-07	1.60E-05	1.09E-06	1.97E-06	1.74E-07	3.23E-06	8.40E-07	1.10E-06	7.94E-08	2.02E-06
3636	565239	4222421	8.53E-06	1.04E-05	5.49E-07	1.95E-05	4.52E-06	1.14E-05	5.49E-07	1.65E-05	1.12E-06	2.03E-06	1.80E-07	3.33E-06	8.66E-07	1.13E-06	8.19E-08	2.08E-06
3637	565232.4	4222410	8.78E-06	1.07E-05	5.65E-07	2.01E-05	4.65E-06	1.18E-05	5.65E-07	1.70E-05	1.15E-06	2.09E-06	1.85E-07	3.43E-06	8.92E-07	1.17E-06	8.44E-08	2.14E-06
3638	565255.8	4222460	7.27E-06	8.87E-06	4.68E-07	1.66E-05	3.85E-06	9.73E-06	4.68E-07	1.40E-05	9.54E-07	1.73E-06	1.53E-07	2.84E-06	7.38E-07	9.65E-07	6.98E-08	1.77E-06
3639	565246	4222452	7.22E-06	8.82E-06	4.65E-07	1.65E-05	3.83E-06	9.67E-06	4.65E-07	1.40E-05	9.49E-07	1.72E-06	1.52E-07	2.82E-06	7.34E-07	9.60E-07	6.94E-08	1.76E-06
3640	565239.4	4222440	7.53E-06	9.2E-06	4.85E-07	1.72E-05	3.99E-06	1.01E-05	4.85E-07	1.46E-05	9.89E-07	1.80E-06	1.59E-07	2.94E-06	7.65E-07	1.00E-06	7.23E-08	1.84E-06
3641	565232.7	4222429	7.8E-06	9.53E-06	5.02E-07	1.78E-05	4.14E-06	1.04E-05	5.02E-07	1.51E-05	1.03E-06	1.86E-06	1.64E-07	3.05E-06	7.93E-07	1.04E-06	7.50E-08	1.91E-06
3642	565226.1	4222417	8.06E-06	9.85E-06	5.19E-07	1.84E-05	4.28E-06	1.08E-05	5.19E-07	1.56E-05	1.06E-06	1.92E-06	1.70E-07	3.15E-06	8.20E-07	1.07E-06	7.75E-08	1.97E-06
3643	565256.3	4222469	6.67E-06	8.14E-06	4.29E-07	1.52E-05	3.54E-06	8.93E-06	4.29E-07	1.29E-05	8.76E-07	1.59E-06	1.40E-07	2.61E-06	6.78E-07	8.86E-07	6.41E-08	1.63E-06
3644	565239.9	4222460	6.52E-06	7.96E-06	4.20E-07	1.49E-05	3.46E-06	8.73E-06	4.20E-07	1.26E-05	8.56E-07	1.56E-06	1.37E-07	2.55E-06	6.62E-07	8.66E-07	6.26E-08	1.59E-06
3645	565233.2	4222448	6.85E-06	8.37E-06	4.41E-07	1.57E-05	3.63E-06	9.17E-06	4.41E-07	1.32E-05	9.00E-07	1.63E-06	1.44E-07	2.68E-06	6.96E-07	9.10E-07	6.58E-08	1.67E-06
3646	565226.5	4222436	7.14E-06	8.72E-06	4.60E-07	1.63E-05	3.79E-06	9.56E-06	4.60E-07	1.38E-05	9.38E-07	1.70E-06	1.50E-07	2.79E-06	7.26E-07	9.49E-07	6.86E-08	1.74E-06
3647	565219.8	4222424	7.41E-06	9.05E-06	4.77E-07	1.69E-05	3.93E-06	9.92E-06	4.77E-07	1.43E-05	9.73E-07	1.77E-06	1.56E-07	2.90E-06	7.53E-07	9.84E-07	7.12E-08	1.81E-06
3648	565213.1	4222412	7.65E-06	9.35E-06	4.93E-07	1.75E-05	4.06E-06	1.02E-05	4.93E-07	1.48E-05	1.00E-06	1.83E-06	1.61E-07	2.99E-06	7.78E-07	1.02E-06	7.35E-08	1.87E-06
3649	565257	4222479	6.07E-06	7.42E-06	3.91E-07	1.39E-05	3.22E-06	8.13E-06	3.91E-07	1.17E-05	7.97E-07	1.45E-06	1.28E-07	2.37E-06	6.17E-07	8.07E-07	5.83E-08	1.48E-06
3650	565243.8	4222475	5.81E-06	7.1E-06	3.74E-07	1.33E-05	3.08E-06	7.78E-06	3.74E-07	1.12E-05	7.63E-07	1.39E-06	1.22E-07	2.27E-06	5.91E-07	7.72E-07	5.58E-08	1.42E-06
3651	565233.8	4222467	5.88E-06	7.18E-06	3.79E-07	1.34E-05	3.12E-06	7.88E-06	3.79E-07	1.14E-05	7.73E-07	1.40E-06	1.24E-07	2.30E-06	5.98E-07	7.81E-07	5.65E-08	1.44E-06
3652	565227	4222456	6.23E-06	7.61E-06	4.01E-07	1.42E-05	3.30E-06	8.34E-06	4.01E-07	1.20E-05	8.18E-07	1.49E-06	1.31E-07	2.44E-06	6.33E-07	8.27E-07	5.98E-08	1.52E-06
3653	565220.3	4222444	6.53E-06	7.98E-06	4.21E-07	1.49E-05	3.46E-06	8.75E-06	4.21E-07	1.26E-05	8.58E-07	1.56E-06	1.38E-07	2.55E-06	6.64E-07	8.68E-07	6.28E-08	1.60E-06
3654	565213.5	4222432	6.81E-06	8.32E-06	4.38E-07	1.56E-05	3.61E-06	9.12E-06	4.38E-07	1.32E-05	8.94E-07	1.63E-06	1.43E-07	2.66E-06	6.92E-07	9.05E-07	6.54E-08	1.66E-06
3655	565206.7	4222420	7.06E-06	8.62E-06	4.54E-07	1.61E-05	3.74E-06	9.45E-06	4.54E-07	1.36E-05	9.27E-07	1.68E-06	1.49E-07	2.76E-06	7.17E-07	9.38E-07	6.78E-08	1.72E-06
3656	565257.7	4222489	5.49E-06	6.71E-06	3.53E-07	1.25E-05	2.91E-06	7.35E-06	3.53E-07	1.06E-05	7.21E-07	1.31E-06	1.16E-07	2.15E-06	5.58E-07	7.29E-07	5.28E-08	1.34E-06
3657	565244.4	4222485	5.31E-06	6.48E-06	3.41E-07	1.21E-05	2.81E-06	7.10E-06	3.41E-07	1.03E-05	6.97E-07	1.27E-06	1.12E-07	2.07E-06	5.39E-07	7.05E-07	5.10E-08	1.29E-06
3658	565227.7	4222475	5.32E-06	6.5E-06	3.42E-07	1.22E-05	2.82E-06	7.12E-06	3.42E-07	1.03E-05	6.99E-07	1.27E-06	1.12E-07	2.08E-06	5.41E-07	7.07E-07	5.11E-08	1.30E-06
3659	565220.9	4222463	5.67E-06	6.92E-06	3.65E-07	1.30E-05	3.00E-06	7.59E-06	3.65E-07	1.10E-05	7.44E-07	1.35E-06	1.19E-07	2.22E-06	5.76E-07	7.53E-07	5.44E-08	1.38E-06
3660	565214.1	4222451	5.98E-06	7.3E-06	3.85E-07	1.37E-05	3.17E-06	8.01E-06	3.85E-07	1.16E-05	7.85E-07	1.43E-06	1.26E-07	2.34E-06	6.08E-07	7.94E-07	5.75E-08	1.46E-06
3661	565200.5	4222427	6.51E-06	7.95E-06	4.19E-07	1.49E-05	3.45E-06	8.72E-06	4.19E-07	1.26E-05	8.55E-07	1.55E-06	1.37E-07	2.55E-06	6.62E-07	8.65E-07	6.26E-08	1.59E-06
3662	565193.7	4222415	6.73E-06	8.22E-06	4.33E-07	1.54E-05	3.57E-06	9.01E-06	4.33E-07	1.30E-05	8.84E-07	1.61E-06	1.42E-07	2.63E-06	6.84E-07	8.94E-07	6.47E-08	1.64E-06
3663	565258.4	4222498	4.94E-06	6.03E-06	3.18E-07	1.13E-05	2.62E-06	6.62E-06	3.18E-07	9.55E-06	6.49E-07	1.18E-06	1.04E-07	1.93E-06	5.02E-07	6.56E-07	4.75E-08	1.21E-06
3664	565245.1	4222495	4.82E-06	5.89E-06	3.10E-07	1.10E-05	2.56E-06	6.46E-06	3.10E-07	9.33E-06	6.33E-07	1.15E-06	1.02E-07	1.89E-06	4.90E-07	6.41E-07	4.63E-08	1.18E-06
3665	565214.8	4222471	5.16E-06	6.31E-06	3.32E-07	1.18E-05	2.74E-06	6.91E-06	3.32E-07	9.98E-06	6.78E-07	1.23E-06	1.09E-07	2.02E-06	5.25E-07	6.86E-07	4.96E-08	1.26E-06
3666	565207.9	4222459	5.48E-06	6.69E-06	3.52E-07	1.25E-05	2.90E-06	7.33E-06	3.52E-07	1.06E-05	7.19E-07	1.31E-06	1.15E-07	2.14E-06	5.57E-07	7.27E-07	5.26E-08	1.34E-06
3667	565187.4	4222422	6.23E-06	7.61E-06	4.01E-07	1.42E-05	3.31E-06	8.35E-06	4.01E-07	1.21E-05	8.19E-07	1.49E-06	1.31E-07	2.44E-06	6.34E-07	8.28E-07	5.99E-08	1.52E-06
3668	565259.2	4222508	4.42E-06	5.4E-06	2.85E-07	1.01E-05	2.35E-06	5.92E-06	2.85E-07	8.56E-06	5.81E-07	1.06E-06	9.32E-08	1.73E-06	4.50E-07	5.88E-07	4.25E-08	1.08E-06
3669	565245.8	4222504	4.37E-06	5.33E-06	2.81E-07	9.98E-06	2.31E-06	5.85E-06	2.81E-07	8.44E-06	5.73E-07	1.04E-06	9.20E-08	1.71E-06	4.44E-07	5.80E-07	4.20E-08	1.07E-06
3670	565208.6	4222478	4.71E-06	5.76E-06	3.03E-07	1.08E-05	2.50E-06	6.31E-06	3.03E-07	9.11E-06	6.19E-07	1.12E-06	9.93E-08	1.84E-06	4.79E-07	6.26E-07	4.53E-08	1.15E-06
3671	565201.7	4222466	5.02E-06	6.13E-06	3.23E-07	1.15E-05	2.66E-06	6.72E-06	3.23E-07	9.70E-06	6.59E-07	1.20E-06	1.06E-07	1.96E-06	5.10E-07	6.67E-07	4.82E-08	1.22E-06
3672	565181.1	4222430	5.78E-06	7.06E-06	3.72E-07	1.32E-05	3.06E-06	7.73E-06	3.72E-07	1.12E-05	7.59E-07	1.38E-06	1.22E-07	2.26E-06	5.87E-07	7.67E-07	5.55E-08	1.41E-06
3673	565174.2	4222418	5.97E-06	7.29E-06	3.84E-07	1.36E-05	3.17E-06	7.99E-06	3.84E-07	1.15E-05	7.84E-07	1.42E-06	1.26E-07	2.33E-06	6.07E-07	7.93E-07	5.74E-08	1.46E-06
3674	565260.1	4222518	3.95E-06	4.83E-06	2.54E-07	9.03E-06	2.09E-06	5.29E-06	2.54E-07	7.64E-06	5.19E-07	9.43E-07	8.32E-08	1.54E-06	4.02E-07	5.25E-07	3.80E-08	9.64E-07
3675	565246.6	4222514	3.94E-06	4.81E-06	2.54E-07	9.00E-06	2.09E-06	5.27E-06	2.54E-07	7.62E-06	5.17E-07	9.40E-07	8.30E-08	1.54E-06	4.00E-07	5.23E-07	3.78E-08	9.61E-07
3676	565233.1	4222510	3.91E-06	4.77E-06	2.52E-07	8.93E-06	2.07E-06	5.23E-06	2.52E-07	7.56E-06	5.13E-07	9.33E-07	8.23E-08	1.53E-06	3.97E-07	5.19E-07	3.76E-08	9.54E-07
3677	565219.6	4222506	3.86E-06	4.72E-06	2.49E-07	8.83E-06	2.05E-06	5.17E-06	2.49E-07	7.47E-06	5.07E-07	9.21E-07	8.13E-08	1.51E-06	3.92E-07	5.13E-07	3.71E-08	9.42E-07
3678	565209.4	4222498	3.99E-06	4.88E-06	2.57E-07	9.13E-06	2.12E-06	5.35E-06	2.57E-07	7.72E-06	5.24E-07	9.53E-07	8.41E-08	1.56E-06	4.06E-07	5.31E-07	3.84E-08	9.75E-07
3679	565195.6	4222474	4.61E-06	5.62E-06	2.96E-07	1.05E-05	2.44E-06	6.17E-06	2.96E-07	8.90E-06	6.05E-07	1.10E-06	9.70E-08	1.80E-06	4.68E-07	6.12E-07	4.42E-08	1.12E-06
3680	565181.8	4222450	5.13E-06	6.27E-06	3.30E-07	1.17E-05	2.72E-06	6.87E-06	3.30E-07	9.92E-06	6.74E-07	1.22E-06	1.08E-07	2.01E-06	5.21E-07	6.81E-07	4.93E-08	1.25E-06
3681	565174.9	4222437	5.36E-06	6.54E-06	3.45E-07	1.22E-05	2.84E-06	7.17E-06	3.45E-07	1.04E-05	7.03E-07	1.28E-06	1.13E-07	2.09E-06	5.44E-07	7.11E-07	5.15E-08	1.31E-06
3682	565167.9	4222425	5.55E-06	6.78E-06	3.57E-07	1.27E-05	2.94E-06	7.43E-06	3.57E-07	1.07E-05	7.29E-07	1.32E-06	1.17E-07	2.17E-06	5.64E-07	7.38E-07	5.33E-08	1.36E-06
3683	565274.5	4222531	3.48E-06	4.25E-06	2.24E-07	7.96E-06	1.85E-06	4.66E-06	2.24E-07	6.73E-06	4.57E-07	8.31E-07	7.34E-08	1.36E-06	3.54E-07	4.63E-07	3.35E-08	8.50E-07
3684	565261	4222527	3.53E-06	4.31E-06	2.27E-07	8.06E-06	1.87E-06	4.72E-06	2.27E-07	6.82E-06	4.63E-07	8.41E-07	7.43E-08	1.38E-06	3.58E-07	4.68E-07	3.39E-08	8.61E-07
3685	565247.4	4222524	3.55E-06	4.33E-06	2.28E-07	8.10E-06	1.88E-06	4.75E-06	2.28E-07	6.85E-06	4.66E-07	8.46E-07	7.47E-08	1.39E-06	3.60E-07	4.71E-07	3.41E-08	8.65E-07
3686	565233.9	4222520	3.55E-06	4.33E-06	2.28E-07	8.11E-06	1.88E-06	4.75E-06	2.28E-07	6.86E-06	4.66E-07	8.46E-07	7.47E-08	1.39E-06	3.61E-07	4.71E-07	3.41E-08	8.66E-07
3687	565220.3	4222516	3.53E-06	4.31E-06	2.27E-07	8.07E-06	1.87E-06	4.73E-06	2.27E-07	6.83E-06	4.64E-07	8.42E-07	7.43E-08	1.38E-06	3.59E-07	4.69E-07	3.39E-08	8.62E-07
3688	565203.3	4222506	3.65E-06	4.45E-06	2.35E-07	8.33E-06	1.93E-06	4.88E-06	2.35E-07	7.05E-06	4.79E-07	8.70E-07	7.68E-08	1.43E-06	3.71E-07	4.84E-07	3.50E-08	8.90E-07
3689	565182.5	4222469	4.49E-06	5.49E-06	2.89E-07	1.03E-05	2.38E-06	6.02E-06	2.89E-07	8.69E-06	5.90E-07	1.07E-06	9.47E-08	1.76E-06	4.57E-07	5.97E-07	4.32E-08	1.10E-06
3690	565175.6	4222457	4.74E-06	5.79E-06	3.05E-07	1.08E-05	2.51E-06	6.35E-06	3.05E-07	9.17E-06	6.23E-07	1.13E-06	9.99E-08	1.85E-06	4.82E-07	6.30E-07	4.56E-08	1.16E-06
3691	565168.6	4222445	4.97E-06	6.07E-06	3.20E-07	1.14E-05	2.63E-06	6.65E-06	3.20E-07	9.60E-06	6.52E-07	1.19E-06	1.05E-07	1.94E-06	5.05E-07	6.60E-07	4.77E-08	1.21E-06
3692	565161.7	4222433	5.16E-06	6.31E-06	3.32E-07	1.18E-05	2.74E-06	6.92E-06	3.32E-07	9.99E-06	6.78E-07	1.23E-06	1.09E-07	2.02E-06	5.25E-07	6.86E-07	4.96E-08	1.26E-06
3693	565154.7	4222420	5.33E-06	6.51E-06	3.43E-07	1.22E-05	2.83E-06	7.14E-06	3.43E-07	1.03E-05	7.01E-07	1.27E-06	1.12E-07	2.09E-06	5.42E-07	7.09E-07	5.12E-08	1.30E-06
3694	565275.5	4222541	3.08E-06	3.77E-06	1.99E-07	7.05E-06	1.64E-06	4.13E-06	1.99E-07	5.96E-06	4.05E-07	7.36E-07	6.50E-08	1.21E-06	3.13E-07	4.10E-07	2.96E-08	7.53E-07
3695	565261.9	4222537	3.15E-06	3.84E-06	2.02E-07	7.19E-06	1.67E-06	4.21E-06	2.02E-07	6.08E-06	4.13E-07	7.51E-07	6.63E-08	1.23E-06	3.20E-07	4.18E-07	3.02E-08	7.68E-07
3696	565248.3	4222533	3.19E-06	3.89E-06	2.05E-07	7.29E-06	1.69E-06	4.27E-06	2.05E-07	6.16E-06	4.19E-07	7.61E-07	6.71E-08	1.25E-06	3.24E-07	4.23E-07	3.06E-08	7.78E-07
3697	565234.7	4222529	3.21E-06	3.93E-06	2.07E-07	7.35E-06	1.70E-06	4.30E-06	2.07E-07	6.22E-06	4.22E-07	7.67E-07	6.77E-08	1.26E-06	3.27E-07	4.27E-07	3.09E-08	7.85E-07
3698	565221.1	4222526	3.22E-06	3.94E-06	2.07E-07	7.36E-06	1.71E-06	4.31E-06	2.07E-07	6.23E-06	4.23E-07	7.69E-07	6.79E-08	1.26E-06	3.27E-07	4.28E-07	3.10E-08	7.86E-07
3699	565207.5	4222522	3.21E-06	3.92E-06	2.07E-07	7.33E-06	1.70E-06	4.30E-06	2.07E-07	6.20E-06	4.21E-07	7.66E-07	6.76E-08	1.25E-06	3.26E-07	4.26E-07	3.08E-08	7.83E-07
3700	565183.3	4222489	3.89E-06	4.75E-06	2.50E-07	8.89E-06	2.06E-06	5.21E-06	2.50E-07	7.52E-06	5.11E-07	9.28E-07	8.19E-08	1.52E-06	3.95E-07	5.17E-07	3.74E-08	9.49E-07
3701	565176.4	4222477	4.14E-06	5.06E-06	2.67E-07	9.47E-06	2.20E-06	5.55E-06	2.67E-07	8.01E-06	5.44E-07	9.89E-07	8.73E-08	1.62E-06	4.21E-07	5.51E-07	3.98E-08	1.01E-06
3702	565169.4	4222465	4.39E-06	5.36E-06	2.82E-07	1.00E-05	2.33E-06	5.87E-06	2.82E-07	8.48E-06	5.76E-07	1.05E-06	9.24E-08	1.72E-06	4.46E-07	5.83E-07	4.21E-08	1.07E-06
3703	565162.4	4222452	4.61E-06	5.63E-06	2.97E-07	1.05E-05	2.44E-06	6.17E-06	2.97E-07	8.91E-06	6.05E-07	1.10E-06	9.71E-08	1.80E-06	4.68E-07	6.12E-07	4.43E-08	1.13E-06
3704	565155.5	4222440	4.81E-06	5.87E-06	3.09E-07	1.10E-05	2.55E-06	6.43E-06	3.09E-07	9.29E-06	6.31E-07	1.15E-06	1.01E-07	1.88E-06	4.88E-07	6.38E-07	4.62E-08	1.17E-06
3705	565148.5	4222428	4.98E-06	6.08E-06	3.20E-07	1.14E-05	2.64E-06	6.67E-06	3.20E-07	9.63E-06	6.54E-07	1.19E-06	1.05E-07	1.95E-06	5.06E-07	6.61E-07	4.78E-08	1.22E-06
3706	565276.4	4222551	2.74E-06	3.34E-06	1.76E-07	6.26E-06	1.45E-06	3.66E-06	1.76E-07	5.29E-06	3.59E-07	6.53E-07	5.76E-08	1.07E-06	2.78E-07	3.64E-07	2.63E-08	6.68E-07
3707	565262.8	4222547	2.81E-06	3.43E-06	1.81E-07	6.42E-06	1.49E-06	3.76E-06	1.81E-07	5.43E-06	3.69E-07	6.70E-07	5.92E-08	1.10E-06	2.86E-07	3.73E-07	2.70E-08	6.86E-07
3708	565249.2	4222543	2.87E-06	3.5E-06	1.84E-07	6.55E-06	1.52E-06	3.84E-06	1.84E-07	5.54E-06	3.76E-07	6.84E-07	6.04E-08	1.12E-06	2.91E-07	3.81E-07	2.75E-08	6.99E-07
3709	565235.5	4222539	2.91E-06	3.55E-06	1.87E-07	6.65E-06	1.54E-06	3.90E-06	1.87E-07	5.63E-06	3.82E-07	6.94E-07	6.13E-08	1.14E-06	2.96E-07	3.87E-07	2.80E-08	7.10E-07
3710	565221.9	4222535	2.94E-06	3.59E-06	1.89E-07	6.71E-06	1.56E-06	3.93E-06	1.89E-07	5.68E-06	3.86E-07	7.00E-07	6.18E-08	1.15E-06	2.98E-07	3.90E-07	2.82E-08	7.17E-07
3711	565208.3	4222531	2.94E-06	3.59E-06	1.89E-07	6.73E-06	1.56E-06	3.94E-06	1.89E-07	5.69E-06	3.86E-07	7.02E-07	6.20E-08	1.15E-06	2.99E-07	3.91E-07	2.83E-08	7.18E-07
3712	565177.2	4222497	3.58E-06	4.38E-06	2.31E-07	8.19E-06	1.90E-06	4.80E-06	2.31E-07	6.93E-06	4.71E-07	8.55E-07	7.55E-08	1.40E-06	3.64E-07	4.76E-07	3.44E-08	8.74E-07
3713	565170.2	4222484	3.83E-06	4.67E-06	2.46E-07	8.74E-06	2.03E-06	5.12E-06	2.46E-07	7.40E-06	5.02E-07	9.13E-07	8.06E-08	1.50E-06	3.89E-07	5.08E-07	3.68E-08	9.34E-07
3714	565163.2	4222472	4.06E-06	4.96E-06	2.61E-07	9.28E-06	2.15E-06	5.44E-06	2.61E-07	7.85E-06	5.33E-07	9.69E-07	8.55E-08	1.59E-06	4.13E-07	5.39E-07	3.90E-08	9.91E-07
3715	565156.2	4222460	4.28E-06	5.22E-06	2.75E-07	9.78E-06	2.27E-06	5.73E-06	2.75E-07	8.27E-06	5.62E-07	1.02E-06	9.01E-08	1.67E-06	4.35E-07	5.68E-07	4.11E-08	1.04E-06
3716	565149.2	4222448	4.47E-06	5.46E-06	2.88E-07	1.02E-05	2.37E-06	5.99E-06	2.88E-07	8.65E-06	5.87E-07	1.07E-06	9.42E-08	1.75E-06	4.55E-07	5.94E-07	4.30E-08	1.09E-06
3717	565142.3	4222435	4.65E-06	5.68E-06	2.99E-07	1.06E-05	2.46E-06	6.22E-06	2.99E-07	8.99E-06	6.10E-07	1.11E-06	9.79E-08	1.82E-06	4.72E-07	6.17E-07	4.47E-08	1.13E-06
3718	565135.3	4222423	4.8E-06	5.86E-06	3.09E-07	1.10E-05	2.54E-06	6.42E-06	3.09E-07	9.28E-06	6.30E-07	1.14E-06	1.01E-07	1.88E-06	4.88E-07	6.37E-07	4.61E-08	1.17E-06
3719	565277.4	4222560	2.44E-06	2.97E-06	1.57E-07	5.57E-06	1.29E-06	3.26E-06	1.57E-07	4.71E-06	3.20E-07	5.81E-07	5.13E-08	9.52E-07	2.47E-07	3.24E-07	2.34E-08	5.94E-07
3720	565263.8	4222557	2.51E-06	3.07E-06	1.62E-07	5.75E-06	1.33E-06	3.37E-06	1.62E-07	4.86E-06	3.30E-07	6.00E-07	5.29E-08	9.83E-07	2.55E-07	3.34E-07	2.42E-08	6.14E-07
3721	565250.1	4222553	2.58E-06	3.15E-06	1.66E-07	5.89E-06	1.37E-06	3.45E-06	1.66E-07	4.98E-06	3.39E-07	6.15E-07	5.43E-08	1.01E-06	2.62E-07	3.42E-07	2.48E-08	6.29E-07
3722	565222.8	4222545	2.67E-06	3.27E-06	1.72E-07	6.11E-06	1.42E-06	3.58E-06	1.72E-07	5.17E-06	3.51E-07	6.38E-07	5.63E-08	1.05E-06	2.72E-07	3.55E-07	2.57E-08	6.53E-07
3723	565209.1	4222541	2.69E-06	3.29E-06	1.73E-07	6.16E-06	1.43E-06	3.61E-06	1.73E-07	5.21E-06	3.54E-07	6.43E-07	5.67E-08	1.05E-06	2.74E-07	3.58E-07	2.59E-08	6.58E-07
3724	565178.1	4222517	3.07E-06	3.75E-06	1.98E-07	7.01E-06	1.63E-06	4.11E-06	1.98E-07	5.93E-06	4.03E-07	7.32E-07	6.46E-08	1.20E-06	3.12E-07	4.08E-07	2.95E-08	7.49E-07
3725	565171.1	4222504	3.31E-06	4.04E-06	2.13E-07	7.56E-06	1.75E-06	4.43E-06	2.13E-07	6.40E-06	4.34E-07	7.89E-07	6.97E-08	1.29E-06	3.36E-07	4.39E-07	3.18E-08	8.07E-07
3726	565164.1	4222492	3.54E-06	4.32E-06	2.28E-07	8.09E-06	1.88E-06	4.74E-06	2.28E-07	6.84E-06	4.65E-07	8.44E-07	7.45E-08	1.38E-06	3.60E-07	4.70E-07	3.40E-08	8.64E-07
3727	565157.1	4222480	3.76E-06	4.59E-06	2.42E-07	8.60E-06	1.99E-06	5.04E-06	2.42E-07	7.27E-06	4.94E-07	8.98E-07	7.92E-08	1.47E-06	3.82E-07	5.00E-07	3.61E-08	9.18E-07
3728	565150.1	4222467	3.97E-06	4.85E-06	2.56E-07	9.08E-06	2.11E-06	5.32E-06	2.56E-07	7.68E-06	5.22E-07	9.48E-07	8.37E-08	1.55E-06	4.04E-07	5.28E-07	3.82E-08	9.70E-07
3729	565143	4222455	4.16E-06	5.09E-06	2.68E-07	9.52E-06	2.21E-06	5.58E-06	2.68E-07	8.05E-06	5.47E-07	9.94E-07	8.77E-08	1.63E-06	4.23E-07	5.53E-07	4.00E-08	1.02E-06
3730	565136	4222443	4.34E-06	5.3E-06	2.79E-07	9.92E-06	2.30E-06	5.81E-06	2.79E-07	8.39E-06	5.70E-07	1.04E-06	9.14E-08	1.70E-06	4.41E-07	5.76E-07	4.17E-08	1.06E-06
3731	565129	4222430	4.49E-06	5.49E-06	2.89E-07	1.03E-05	2.38E-06	6.02E-06	2.89E-07	8.69E-06	5.90E-07	1.07E-06	9.46E-08	1.76E-06	4.57E-07	5.97E-07	4.32E-08	1.10E-06
3732	565267.5	4222567	2.24E-06	2.74E-06	1.44E-07	5.12E-06	1.19E-06	3.00E-06	1.44E-07	4.33E-06	2.94E-07	5.34E-07	4.72E-08	8.76E-07	2.28E-07	2.98E-07	2.15E-08	5.47E-07
3733	565254.4	4222563	2.31E-06	2.82E-06	1.48E-07	5.27E-06	1.22E-06	3.09E-06	1.48E-07	4.46E-06	3.03E-07	5.50E-07	4.86E-08	9.02E-07	2.34E-07	3.06E-07	2.22E-08	5.63E-07
3734	565215.2	4222552	2.45E-06	3E-06	1.58E-07	5.61E-06	1.30E-06	3.28E-06	1.58E-07	4.74E-06	3.22E-07	5.85E-07	5.17E-08	9.59E-07	2.49E-07	3.26E-07	2.36E-08	5.99E-07
3735	565202.1	4222549	2.48E-06	3.03E-06	1.60E-07	5.67E-06	1.31E-06	3.32E-06	1.60E-07	4.79E-06	3.26E-07	5.91E-07	5.22E-08	9.69E-07	2.52E-07	3.29E-07	2.38E-08	6.05E-07
3736	565179.2	4222537	2.61E-06	3.18E-06	1.68E-07	5.96E-06	1.38E-06	3.49E-06	1.68E-07	5.04E-06	3.42E-07	6.22E-07	5.49E-08	1.02E-06	2.65E-07	3.46E-07	2.51E-08	6.36E-07
3737	565172.5	4222525	2.82E-06	3.45E-06	1.82E-07	6.45E-06	1.50E-06	3.78E-06	1.82E-07	5.46E-06	3.71E-07	6.74E-07	5.95E-08	1.10E-06	2.87E-07	3.75E-07	2.71E-08	6.89E-07

3738	565165.7	4222514	3.04E-06	3.71E-06	1.95E-07	6.94E-06	1.61E-06	4.07E-06	1.95E-07	5.87E-06	3.99E-07	7.25E-07	6.40E-08	1.19E-06	3.09E-07	4.03E-07	2.92E-08	7.41E-07
3739	565159	4222502	3.25E-06	3.96E-06	2.09E-07	7.42E-06	1.72E-06	4.35E-06	2.09E-07	6.28E-06	4.26E-07	7.74E-07	6.84E-08	1.27E-06	3.30E-07	4.31E-07	3.12E-08	7.92E-07
3740	565152.3	4222490	3.45E-06	4.21E-06	2.22E-07	7.88E-06	1.83E-06	4.62E-06	2.22E-07	6.67E-06	4.53E-07	8.23E-07	7.27E-08	1.35E-06	3.51E-07	4.58E-07	3.31E-08	8.42E-07
3741	565145.6	4222478	3.65E-06	4.45E-06	2.35E-07	8.33E-06	1.93E-06	4.88E-06	2.35E-07	7.05E-06	4.79E-07	8.70E-07	7.68E-08	1.43E-06	3.70E-07	4.84E-07	3.50E-08	8.90E-07
3742	565138.9	4222466	3.83E-06	4.68E-06	2.46E-07	8.75E-06	2.03E-06	5.13E-06	2.46E-07	7.40E-06	5.03E-07	9.13E-07	8.06E-08	1.50E-06	3.89E-07	5.09E-07	3.68E-08	9.34E-07
3743	565132.2	4222454	3.99E-06	4.88E-06	2.57E-07	9.13E-06	2.12E-06	5.35E-06	2.57E-07	7.72E-06	5.25E-07	9.53E-07	8.41E-08	1.56E-06	4.06E-07	5.31E-07	3.84E-08	9.75E-07
3744	565125.5	4222443	4.15E-06	5.07E-06	2.67E-07	9.49E-06	2.20E-06	5.56E-06	2.67E-07	8.03E-06	5.45E-07	9.90E-07	8.74E-08	1.62E-06	4.22E-07	5.51E-07	3.99E-08	1.01E-06
3745	565268.4	4222577	2.02E-06	2.46E-06	1.30E-07	4.61E-06	1.07E-06	2.70E-06	1.30E-07	3.90E-06	2.65E-07	4.81E-07	4.24E-08	7.88E-07	2.05E-07	2.68E-07	1.94E-08	4.92E-07
3746	565255.3	4222573	2.08E-06	2.54E-06	1.34E-07	4.76E-06	1.10E-06	2.79E-06	1.34E-07	4.03E-06	2.73E-07	4.97E-07	4.39E-08	8.14E-07	2.12E-07	2.77E-07	2.00E-08	5.08E-07
3747	565173.1	4222545	2.42E-06	2.95E-06	1.56E-07	5.52E-06	1.28E-06	3.24E-06	1.56E-07	4.67E-06	3.17E-07	5.77E-07	5.09E-08	9.45E-07	2.46E-07	3.21E-07	2.32E-08	5.90E-07
3748	565166.3	4222533	2.62E-06	3.2E-06	1.68E-07	5.98E-06	1.39E-06	3.50E-06	1.68E-07	5.06E-06	3.44E-07	6.24E-07	5.51E-08	1.02E-06	2.66E-07	3.48E-07	2.51E-08	6.39E-07
3749	565159.6	4222521	2.82E-06	3.44E-06	1.81E-07	6.44E-06	1.49E-06	3.77E-06	1.81E-07	5.45E-06	3.70E-07	6.72E-07	5.93E-08	1.10E-06	2.86E-07	3.74E-07	2.71E-08	6.88E-07
3750	565152.9	4222509	3.01E-06	3.68E-06	1.94E-07	6.89E-06	1.60E-06	4.03E-06	1.94E-07	5.83E-06	3.96E-07	7.19E-07	6.35E-08	1.18E-06	3.06E-07	4.00E-07	2.90E-08	7.36E-07
3751	565146.1	4222497	3.21E-06	3.92E-06	2.06E-07	7.33E-06	1.70E-06	4.29E-06	2.06E-07	6.20E-06	4.21E-07	7.65E-07	6.76E-08	1.25E-06	3.26E-07	4.26E-07	3.08E-08	7.83E-07
3752	565139.4	4222486	3.4E-06	4.15E-06	2.19E-07	7.76E-06	1.80E-06	4.55E-06	2.19E-07	6.57E-06	4.46E-07	8.10E-07	7.15E-08	1.33E-06	3.45E-07	4.51E-07	3.26E-08	8.29E-07
3753	565132.7	4222474	3.57E-06	4.36E-06	2.30E-07	8.17E-06	1.89E-06	4.78E-06	2.30E-07	6.91E-06	4.69E-07	8.52E-07	7.52E-08	1.40E-06	3.63E-07	4.75E-07	3.43E-08	8.72E-07
3754	565125.9	4222462	3.74E-06	4.56E-06	2.41E-07	8.54E-06	1.98E-06	5.00E-06	2.41E-07	7.22E-06	4.91E-07	8.92E-07	7.87E-08	1.46E-06	3.80E-07	4.96E-07	3.59E-08	9.12E-07
3755	565105.7	4222426	4.14E-06	5.06E-06	2.67E-07	9.47E-06	2.20E-06	5.55E-06	2.67E-07	8.01E-06	5.44E-07	9.88E-07	8.72E-08	1.62E-06	4.21E-07	5.50E-07	3.98E-08	1.01E-06
3756	565269.3	4222587	1.82E-06	2.23E-06	1.17E-07	4.16E-06	9.66E-07	2.44E-06	1.17E-07	3.52E-06	2.39E-07	4.35E-07	3.84E-08	7.12E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
3757	565256.1	4222583	1.89E-06	2.3E-06	1.21E-07	4.31E-06	1.00E-06	2.53E-06	1.21E-07	3.65E-06	2.48E-07	4.50E-07	3.97E-08	7.37E-07	1.92E-07	2.51E-07	1.81E-08	4.60E-07
3758	565242.9	4222579	1.94E-06	2.38E-06	1.25E-07	4.45E-06	1.03E-06	2.60E-06	1.25E-07	3.76E-06	2.55E-07	4.64E-07	4.10E-08	7.60E-07	1.98E-07	2.58E-07	1.87E-08	4.75E-07
3759	565229.7	4222575	2E-06	2.44E-06	1.29E-07	4.57E-06	1.06E-06	2.67E-06	1.29E-07	3.86E-06	2.62E-07	4.77E-07	4.21E-08	7.81E-07	2.03E-07	2.65E-07	1.92E-08	4.88E-07
3760	565216.5	4222572	2.05E-06	2.5E-06	1.32E-07	4.67E-06	1.08E-06	2.74E-06	1.32E-07	3.95E-06	2.69E-07	4.88E-07	4.31E-08	8.00E-07	2.08E-07	2.72E-07	1.97E-08	4.99E-07
3761	565167	4222553	2.25E-06	2.74E-06	1.45E-07	5.13E-06	1.19E-06	3.01E-06	1.45E-07	4.34E-06	2.95E-07	5.36E-07	4.73E-08	8.78E-07	2.28E-07	2.98E-07	2.16E-08	5.48E-07
3762	565160.2	4222541	2.43E-06	2.97E-06	1.57E-07	5.56E-06	1.29E-06	3.26E-06	1.57E-07	4.70E-06	3.19E-07	5.80E-07	5.12E-08	9.51E-07	2.47E-07	3.23E-07	2.34E-08	5.94E-07
3763	565153.5	4222529	2.62E-06	3.2E-06	1.69E-07	5.99E-06	1.39E-06	3.51E-06	1.69E-07	5.06E-06	3.44E-07	6.25E-07	5.52E-08	1.02E-06	2.66E-07	3.48E-07	2.52E-08	6.39E-07
3764	565146.7	4222517	2.8E-06	3.42E-06	1.80E-07	6.40E-06	1.49E-06	3.75E-06	1.80E-07	5.42E-06	3.68E-07	6.68E-07	5.90E-08	1.10E-06	2.85E-07	3.72E-07	2.69E-08	6.84E-07
3765	565139.9	4222505	2.99E-06	3.65E-06	1.92E-07	6.83E-06	1.58E-06	4.00E-06	1.92E-07	5.77E-06	3.92E-07	7.12E-07	6.29E-08	1.17E-06	3.03E-07	3.97E-07	2.87E-08	7.29E-07
3766	565133.2	4222493	3.17E-06	3.87E-06	2.04E-07	7.24E-06	1.68E-06	4.24E-06	2.04E-07	6.12E-06	4.16E-07	7.56E-07	6.67E-08	1.24E-06	3.22E-07	4.21E-07	3.04E-08	7.73E-07
3767	565126.4	4222481	3.34E-06	4.08E-06	2.15E-07	7.63E-06	1.77E-06	4.47E-06	2.15E-07	6.46E-06	4.39E-07	7.97E-07	7.03E-08	1.31E-06	3.39E-07	4.44E-07	3.21E-08	8.15E-07
3768	565106.1	4222445	3.78E-06	4.62E-06	2.43E-07	8.64E-06	2.00E-06	5.06E-06	2.43E-07	7.31E-06	4.97E-07	9.02E-07	7.96E-08	1.48E-06	3.84E-07	5.02E-07	3.63E-08	9.23E-07
3769	565099.4	4222433	3.9E-06	4.76E-06	2.51E-07	8.91E-06	2.07E-06	5.22E-06	2.51E-07	7.54E-06	5.12E-07	9.30E-07	8.21E-08	1.52E-06	3.96E-07	5.18E-07	3.75E-08	9.52E-07
3770	565270.2	4222596	1.65E-06	2.02E-06	1.06E-07	3.78E-06	8.77E-07	2.21E-06	1.06E-07	3.20E-06	2.17E-07	3.95E-07	3.48E-08	6.47E-07	1.68E-07	2.20E-07	1.59E-08	4.04E-07
3771	565256.9	4222593	1.71E-06	2.09E-06	1.10E-07	3.92E-06	9.08E-07	2.29E-06	1.10E-07	3.31E-06	2.25E-07	4.09E-07	3.61E-08	6.70E-07	1.74E-07	2.28E-07	1.65E-08	4.18E-07
3772	565243.7	4222589	1.77E-06	2.16E-06	1.14E-07	4.05E-06	9.39E-07	2.37E-06	1.14E-07	3.42E-06	2.32E-07	4.22E-07	3.73E-08	6.92E-07	1.80E-07	2.35E-07	1.70E-08	4.32E-07
3773	565230.5	4222585	1.82E-06	2.23E-06	1.17E-07	4.17E-06	9.66E-07	2.44E-06	1.17E-07	3.52E-06	2.39E-07	4.35E-07	3.84E-08	7.13E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
3774	565217.2	4222581	1.87E-06	2.28E-06	1.20E-07	4.28E-06	9.92E-07	2.50E-06	1.20E-07	3.62E-06	2.46E-07	4.46E-07	3.94E-08	7.31E-07	1.90E-07	2.49E-07	1.80E-08	4.57E-07
3775	565204	4222578	1.91E-06	2.34E-06	1.23E-07	4.38E-06	1.01E-06	2.56E-06	1.23E-07	3.70E-06	2.51E-07	4.57E-07	4.03E-08	7.48E-07	1.95E-07	2.54E-07	1.84E-08	4.67E-07
3776	565190.8	4222574	1.95E-06	2.38E-06	1.26E-07	4.46E-06	1.03E-06	2.61E-06	1.26E-07	3.77E-06	2.56E-07	4.66E-07	4.11E-08	7.63E-07	1.98E-07	2.59E-07	1.87E-08	4.76E-07
3777	565177.5	4222570	1.98E-06	2.42E-06	1.28E-07	4.53E-06	1.05E-06	2.65E-06	1.28E-07	3.83E-06	2.60E-07	4.73E-07	4.17E-08	7.75E-07	2.01E-07	2.63E-07	1.90E-08	4.84E-07
3778	565154.1	4222548	2.26E-06	2.77E-06	1.46E-07	5.18E-06	1.20E-06	3.03E-06	1.46E-07	4.38E-06	2.97E-07	5.40E-07	4.77E-08	8.85E-07	2.30E-07	3.01E-07	2.18E-08	5.53E-07
3779	565147.3	4222536	2.44E-06	2.98E-06	1.57E-07	5.58E-06	1.29E-06	3.27E-06	1.57E-07	4.72E-06	3.20E-07	5.82E-07	5.14E-08	9.54E-07	2.48E-07	3.24E-07	2.34E-08	5.95E-07
3780	565140.5	4222524	2.61E-06	3.19E-06	1.68E-07	5.97E-06	1.39E-06	3.50E-06	1.68E-07	5.05E-06	3.43E-07	6.23E-07	5.50E-08	1.02E-06	2.65E-07	3.47E-07	2.51E-08	6.38E-07
3781	565133.8	4222512	2.78E-06	3.4E-06	1.79E-07	6.36E-06	1.48E-06	3.73E-06	1.79E-07	5.38E-06	3.65E-07	6.64E-07	5.86E-08	1.09E-06	2.83E-07	3.70E-07	2.67E-08	6.79E-07
3782	565127	4222501	2.96E-06	3.61E-06	1.90E-07	6.76E-06	1.57E-06	3.96E-06	1.90E-07	5.72E-06	3.88E-07	7.06E-07	6.23E-08	1.16E-06	3.01E-07	3.93E-07	2.84E-08	7.22E-07
3783	565106.6	4222465	3.42E-06	4.18E-06	2.20E-07	7.82E-06	1.81E-06	4.58E-06	2.20E-07	6.62E-06	4.50E-07	8.17E-07	7.21E-08	1.34E-06	3.48E-07	4.55E-07	3.29E-08	8.35E-07
3784	565099.8	4222453	3.55E-06	4.34E-06	2.29E-07	8.12E-06	1.88E-06	4.76E-06	2.29E-07	6.87E-06	4.67E-07	8.48E-07	7.49E-08	1.39E-06	3.61E-07	4.72E-07	3.41E-08	8.68E-07
3785	565093.1	4222441	3.67E-06	4.48E-06	2.36E-07	8.39E-06	1.95E-06	4.92E-06	2.36E-07	7.10E-06	4.82E-07	8.76E-07	7.73E-08	1.44E-06	3.73E-07	4.88E-07	3.53E-08	8.96E-07
3786	565086.3	4222429	3.77E-06	4.6E-06	2.43E-07	8.62E-06	2.00E-06	5.05E-06	2.43E-07	7.29E-06	4.95E-07	9.00E-07	7.94E-08	1.47E-06	3.83E-07	5.01E-07	3.62E-08	9.20E-07
3787	565271.1	4222606	1.51E-06	1.84E-06	9.71E-08	3.45E-06	8.00E-07	2.02E-06	9.71E-08	2.92E-06	1.98E-07	3.60E-07	3.18E-08	5.90E-07	1.53E-07	2.00E-07	1.45E-08	3.68E-07
3788	565257.8	4222602	1.56E-06	1.91E-06	1.01E-07	3.57E-06	8.28E-07	2.09E-06	1.01E-07	3.02E-06	2.05E-07	3.73E-07	3.29E-08	6.11E-07	1.59E-07	2.08E-07	1.50E-08	3.81E-07
3789	565244.5	4222598	1.62E-06	1.97E-06	1.04E-07	3.69E-06	8.57E-07	2.16E-06	1.04E-07	3.12E-06	2.12E-07	3.86E-07	3.40E-08	6.32E-07	1.64E-07	2.15E-07	1.55E-08	3.94E-07
3790	565231.3	4222595	1.67E-06	2.04E-06	1.07E-07	3.81E-06	8.84E-07	2.23E-06	1.07E-07	3.22E-06	2.19E-07	3.98E-07	3.51E-08	6.52E-07	1.69E-07	2.21E-07	1.60E-08	4.07E-07
3791	565218	4222591	1.71E-06	2.09E-06	1.10E-07	3.92E-06	9.09E-07	2.30E-06	1.10E-07	3.31E-06	2.25E-07	4.09E-07	3.61E-08	6.70E-07	1.74E-07	2.28E-07	1.65E-08	4.18E-07
3792	565204.7	4222587	1.76E-06	2.15E-06	1.13E-07	4.02E-06	9.33E-07	2.36E-06	1.13E-07	3.40E-06	2.31E-07	4.20E-07	3.71E-08	6.88E-07	1.79E-07	2.34E-07	1.69E-08	4.29E-07
3793	565191.4	4222583	1.8E-06	2.2E-06	1.16E-07	4.11E-06	9.54E-07	2.41E-06	1.16E-07	3.48E-06	2.36E-07	4.29E-07	3.79E-08	7.03E-07	1.83E-07	2.39E-07	1.73E-08	4.39E-07
3794	565178.1	4222580	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.71E-07	2.45E-06	1.18E-07	3.54E-06	2.41E-07	4.37E-07	3.86E-08	7.16E-07	1.86E-07	2.43E-07	1.76E-08	4.47E-07
3795	565164.9	4222576	1.86E-06	2.27E-06	1.20E-07	4.25E-06	9.86E-07	2.49E-06	1.20E-07	3.60E-06	2.44E-07	4.44E-07	3.92E-08	7.27E-07	1.89E-07	2.47E-07	1.79E-08	4.54E-07
3796	565154.8	4222568	1.95E-06	2.38E-06	1.25E-07	4.46E-06	1.03E-06	2.61E-06	1.25E-07	3.77E-06	2.56E-07	4.65E-07	4.11E-08	7.62E-07	1.98E-07	2.59E-07	1.87E-08	4.76E-07
3797	565148	4222556	2.11E-06	2.58E-06	1.36E-07	4.83E-06	1.12E-06	2.83E-06	1.36E-07	4.08E-06	2.77E-07	5.04E-07	4.45E-08	8.26E-07	2.15E-07	2.81E-07	2.03E-08	5.16E-07
3798	565141.2	4222544	2.28E-06	2.78E-06	1.47E-07	5.21E-06	1.21E-06	3.05E-06	1.47E-07	4.40E-06	2.99E-07	5.44E-07	4.80E-08	8.91E-07	2.32E-07	3.03E-07	2.19E-08	5.56E-07
3799	565134.4	4222532	2.44E-06	2.98E-06	1.57E-07	5.58E-06	1.29E-06	3.27E-06	1.57E-07	4.72E-06	3.21E-07	5.82E-07	5.14E-08	9.54E-07	2.48E-07	3.24E-07	2.35E-08	5.96E-07
3800	565127.6	4222520	2.6E-06	3.18E-06	1.68E-07	5.95E-06	1.38E-06	3.49E-06	1.68E-07	5.03E-06	3.42E-07	6.21E-07	5.48E-08	1.02E-06	2.65E-07	3.46E-07	2.50E-08	6.35E-07
3801	565107.2	4222484	3.08E-06	3.76E-06	1.98E-07	7.03E-06	1.63E-06	4.12E-06	1.98E-07	5.95E-06	4.04E-07	7.34E-07	6.48E-08	1.20E-06	3.13E-07	4.09E-07	2.96E-08	7.51E-07
3802	565100.4	4222472	3.22E-06	3.93E-06	2.07E-07	7.35E-06	1.71E-06	4.31E-06	2.07E-07	6.22E-06	4.22E-07	7.67E-07	6.77E-08	1.26E-06	3.27E-07	4.27E-07	3.09E-08	7.85E-07
3803	565093.5	4222460	3.34E-06	4.08E-06	2.15E-07	7.64E-06	1.77E-06	4.48E-06	2.15E-07	6.47E-06	4.39E-07	7.98E-07	7.04E-08	1.31E-06	3.40E-07	4.44E-07	3.21E-08	8.16E-07
3804	565086.7	4222448	3.46E-06	4.23E-06	2.23E-07	7.91E-06	1.83E-06	4.63E-06	2.23E-07	6.69E-06	4.54E-07	8.26E-07	7.29E-08	1.35E-06	3.52E-07	4.60E-07	3.32E-08	8.45E-07
3805	565079.9	4222436	3.56E-06	4.35E-06	2.29E-07	8.14E-06	1.89E-06	4.77E-06	2.29E-07	6.88E-06	4.68E-07	8.49E-07	7.50E-08	1.39E-06	3.62E-07	4.73E-07	3.42E-08	8.69E-07
3806	565272	4222616	1.38E-06	1.69E-06	8.89E-08	3.16E-06	7.32E-07	1.85E-06	8.89E-08	2.67E-06	1.81E-07	3.29E-07	2.91E-08	5.40E-07	1.40E-07	1.83E-07	1.33E-08	3.37E-07
3807	565258.7	4222612	1.43E-06	1.75E-06	9.21E-08	3.27E-06	7.58E-07	1.91E-06	9.21E-08	2.77E-06	1.88E-07	3.41E-07	3.01E-08	5.59E-07	1.45E-07	1.90E-07	1.37E-08	3.49E-07
3808	565245.4	4222608	1.48E-06	1.81E-06	9.52E-08	3.38E-06	7.85E-07	1.98E-06	9.52E-08	2.86E-06	1.94E-07	3.53E-07	3.12E-08	5.79E-07	1.50E-07	1.97E-07	1.42E-08	3.61E-07
3809	565232.1	4222604	1.53E-06	1.87E-06	9.83E-08	3.49E-06	8.10E-07	2.05E-06	9.83E-08	2.95E-06	2.01E-07	3.64E-07	3.22E-08	5.97E-07	1.55E-07	2.03E-07	1.47E-08	3.73E-07
3810	565218.8	4222601	1.57E-06	1.92E-06	1.01E-07	3.60E-06	8.35E-07	2.11E-06	1.01E-07	3.04E-06	2.07E-07	3.76E-07	3.31E-08	6.15E-07	1.60E-07	2.09E-07	1.51E-08	3.84E-07
3811	565205.4	4222597	1.62E-06	1.98E-06	1.04E-07	3.70E-06	8.58E-07	2.17E-06	1.04E-07	3.13E-06	2.13E-07	3.86E-07	3.41E-08	6.33E-07	1.65E-07	2.15E-07	1.56E-08	3.95E-07
3812	565192.1	4222593	1.66E-06	2.03E-06	1.07E-07	3.79E-06	8.79E-07	2.22E-06	1.07E-07	3.21E-06	2.18E-07	3.96E-07	3.49E-08	6.49E-07	1.69E-07	2.20E-07	1.59E-08	4.05E-07
3813	565178.8	4222589	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.98E-07	2.27E-06	1.09E-07	3.27E-06	2.22E-07	4.04E-07	3.57E-08	6.62E-07	1.72E-07	2.25E-07	1.63E-08	4.13E-07
3814	565165.5	4222586	1.72E-06	2.1E-06	1.11E-07	3.94E-06	9.14E-07	2.31E-06	1.11E-07	3.33E-06	2.26E-07	4.11E-07	3.63E-08	6.74E-07	1.75E-07	2.29E-07	1.66E-08	4.21E-07
3815	565148.7	4222576	1.82E-06	2.22E-06	1.17E-07	4.16E-06	9.66E-07	2.44E-06	1.17E-07	3.52E-06	2.39E-07	4.35E-07	3.84E-08	7.12E-07	1.85E-07	2.42E-07	1.75E-08	4.45E-07
3816	565135.1	4222552	2.13E-06	2.6E-06	1.37E-07	4.87E-06	1.13E-06	2.85E-06	1.37E-07	4.12E-06	2.80E-07	5.08E-07	4.49E-08	8.33E-07	2.16E-07	2.83E-07	2.05E-08	5.20E-07
3817	565128.2	4222540	2.28E-06	2.79E-06	1.47E-07	5.22E-06	1.21E-06	3.06E-06	1.47E-07	4.42E-06	3.00E-07	5.45E-07	4.81E-08	8.93E-07	2.32E-07	3.03E-07	2.19E-08	5.58E-07
3818	565107.8	4222504	2.74E-06	3.35E-06	1.77E-07	6.27E-06	1.46E-06	3.68E-06	1.77E-07	5.31E-06	3.60E-07	6.55E-07	5.78E-08	1.07E-06	2.79E-07	3.65E-07	2.64E-08	6.70E-07
3819	565100.9	4222491	2.89E-06	3.53E-06	1.86E-07	6.60E-06	1.53E-06	3.87E-06	1.86E-07	5.59E-06	3.79E-07	6.89E-07	6.08E-08	1.13E-06	2.94E-07	3.84E-07	2.78E-08	7.05E-07
3820	565094.1	4222479	3.02E-06	3.69E-06	1.95E-07	6.91E-06	1.60E-06	4.05E-06	1.95E-07	5.85E-06	3.97E-07	7.22E-07	6.37E-08	1.18E-06	3.07E-07	4.02E-07	2.91E-08	7.38E-07
3821	565087.3	4222467	3.15E-06	3.85E-06	2.03E-07	7.20E-06	1.67E-06	4.22E-06	2.03E-07	6.09E-06	4.14E-07	7.52E-07	6.63E-08	1.23E-06	3.20E-07	4.18E-07	3.03E-08	7.69E-07
3822	565080.4	4222455	3.26E-06	3.99E-06	2.10E-07	7.46E-06	1.73E-06	4.37E-06	2.10E-07	6.31E-06	4.29E-07	7.79E-07	6.87E-08	1.28E-06	3.32E-07	4.34E-07	3.14E-08	7.97E-07
3823	565073.6	4222443	3.36E-06	4.11E-06	2.17E-07	7.69E-06	1.78E-06	4.50E-06	2.17E-07	6.50E-06	4.42E-07	8.03E-07	7.09E-08	1.32E-06	3.42E-07	4.47E-07	3.23E-08	8.21E-07
3824	565066.8	4222431	3.45E-06	4.21E-06	2.22E-07	7.89E-06	1.83E-06	4.62E-06	2.22E-07	6.67E-06	4.53E-07	8.23E-07	7.27E-08	1.35E-06	3.51E-07	4.58E-07	3.31E-08	8.42E-07
3825	565286.4	4222629	1.23E-06	1.5E-06	7.90E-08	2.80E-06	6.50E-07	1.64E-06	7.90E-08	2.37E-06	1.61E-07	2.93E-07	2.58E-08	4.80E-07	1.25E-07	1.63E-07	1.18E-08	2.99E-07
3826	565273	4222625	1.27E-06	1.55E-06	8.17E-08	2.90E-06	6.73E-07	1.70E-06	8.17E-08	2.45E-06	1.67E-07	3.03E-07	2.67E-08	4.96E-07	1.29E-07	1.69E-07	1.22E-08	3.10E-07
3827	565259.6	4222622	1.31E-06	1.6E-06	8.46E-08	3.00E-06	6.97E-07	1.76E-06	8.46E-08	2.54E-06	1.73E-07	3.13E-07	2.77E-08	5.14E-07	1.34E-07	1.75E-07	1.26E-08	3.21E-07
3828	565246.3	4222618	1.36E-06	1.66E-06	8.75E-08	3.11E-06	7.21E-07	1.82E-06	8.75E-08	2.63E-06	1.79E-07	3.24E-07	2.86E-08	5.32E-07	1.38E-07	1.81E-07	1.31E-08	3.32E-07
3829	565232.9	4222614	1.4E-06	1.72E-06	9.04E-08	3.21E-06	7.45E-07	1.88E-06	9.04E-08	2.72E-06	1.85E-07	3.35E-07	2.96E-08	5.49E-07	1.43E-07	1.87E-07	1.35E-08	3.43E-07
3830	565219.6	4222610	1.45E-06	1.77E-06	9.33E-08	3.31E-06	7.68E-07	1.94E-06	9.33E-08	2.80E-06	1.90E-07	3.46E-07	3.05E-08	5.66E-07	1.47E-07	1.92E-07	1.39E-08	3.54E-07
3831	565206.2	4222607	1.49E-06	1.82E-06	9.60E-08	3.41E-06	7.91E-07	2.00E-06	9.60E-08	2.88E-06	1.96E-07	3.56E-07	3.14E-08	5.83E-07	1.52E-07	1.98E-07	1.43E-08	3.64E-07
3832	565192.8	4222603	1.53E-06	1.87E-06	9.86E-08	3.50E-06	8.12E-07	2.05E-06	9.86E-08	2.96E-06	2.01E-07	3.65E-07	3.23E-08	5.99E-07	1.56E-07	2.03E-07	1.47E-08	3.74E-07
3833	565179.5	4222599	1.57E-06	1.91E-06	1.01E-07	3.58E-06	8.31E-07	2.10E-06	1.01E-07	3.03E-06	2.06E-07	3.74E-07	3.30E-08	6.12E-07	1.59E-07	2.08E-07	1.51E-08	3.82E-07
3834	565166.1	4222595	1.6E-06	1.95E-06	1.03E-07	3.65E-06	8.47E-07	2.14E-06	1.03E-07	3.09E-06	2.10E-07	3.81E-07	3.36E-08	6.25E-07	1.62E-07	2.12E-07	1.53E-08	3.90E-07
3835	565152.8	4222591	1.63E-06	1.99E-06	1.05E-07	3.72E-06	8.62E-07	2.18E-06	1.05E-07	3.14E-06	2.14E-07	3.88E-07	3.42E-08	6.36E-07	1.65E-07	2.16E-07	1.56E-08	3.97E-07
3836	565142.6	4222583	1.71E-06	2.08E-06	1.10E-07	3.90E-06	9.05E-07	2.28E-06	1.10E-07	3.30E-06	2.24E-07	4.07E-07	3.59E-08	6.67E-07	1.73E-07	2.27E-07	1.64E-08	4.16E-07
3837	565135.8	4222571	1.85E-06	2.25E-06	1.19E-07	4.22E-06	9.79E-07	2.47E-06	1.19E-07	3.57E-06	2.42E-07	4.40E-07	3.89E-08	7.22E-07	1.88E-07	2.45E-07	1.77E-08	4.51E-07
3838	565101.6	4222511	2.58E-06	3.15E-06	1.66E-07	5.89E-06	1.37E-06	3.45E-06	1.66E-07	4.98E-06	3.39E-07	6.15E-07	5.43E-08	1.01E-06	2.62E-07	3.42E-07	2.48E-08	6.29E-07
3839	565094.7	4222499	2.71E-06	3.32E-06	1.75E-07	6.20E-06	1.44E-06	3.63E-06	1.75E-07	5.25E-06	3.56E-07	6.48E-07	5.72E-08	1.06E-06	2.76E-07	3.61E-07	2.61E-08	6.63E-07
3840	565087.9	4222487	2.85E-06	3.48E-06	1.83E-07	6.51E-06	1.51E-06	3.81E-06	1.83E-07	5.50E-06	3.74E-07	6.79E-07	5.99E-08	1.11E-06	2.89E-07	3.78E-07	2.73E-08	6.95E-07
3841	565081	4222475	2.97E-06	3.63E-06	1.91E-07	6.79E-06	1.57E-06	3.98E-06	1.91E-07	5.74E-06	3.90E-07	7.08E-07	6.25E-08	1.16E-06	3.02E-07	3.94E-07	2.85E-08	7.25E-07
3842	565074.2	4222463	3.08E-06	3.76E-06	1.98E-07	7.04E-06	1.63E-06	4.13E-06	1.98E-07	5.96E-06	4.05E-07	7.35E-07	6.49E-08	1.20E-06	3.13E-07	4.09E-07	2.96E-08	7.52E-07
3843	565067.3	4222451	3.18E-06	3.89E-06	2.05E-07	7.27E-06	1.69E-06	4.26E-06	2.05E-07	6.15E-06	4.18E-07	7.59E-07	6.70E-08	1.24E-06	3.23E-07	4.23E-07	3.06E-08	7.77E-07
3844	565060.5	4222439	3.27E-06	3.99E-06	2.10E-07	7.47E-06	1.73E-06	4.38E-06	2.10E-07	6.32E-06	4.29E-07	7.80E-07	6.88E-08	1.28E-06	3.32E-07	4.34E-07	3.14E-08	7.98E-07
3845	565287.3	4222639	1.13E-06	1.39E-06	7.30E-08	2.59E-06	6.01E-07	1.52E-06	7.30E-08	2.19E-06	1.49E-07	2.71E-07	2.39E-08	4.43E-07	1.15E-07	1.51E-07	1.09E-08	2.77E-07
3846	565274	4222635	1.17E-06	1.43E-06	7.54E-08	2.68E-06	6.21E-07	1.57E-06	7.54E-08	2.27E-06	1.54E-07	2.80E-07	2.47E-08	4.58E-07	1.19E-07	1.56E-07	1.13E-08	2.86E-07
3847	565260.6	4222631	1.21E-06	1.48E-06	7.80E-08	2.77E-06	6.42E-07	1.62E-06	7.80E-08	2.34E-06	1.59E-07	2.89E-07	2.55E-08	4.74E-07	1.23E-07	1.61E-07	1.16E-08	2.96E-07

3848	565247.2	4222628	1.25E-06	1.53E-06	8.07E-08	2.86E-06	6.64E-07	1.68E-06	8.07E-08	2.42E-06	1.65E-07	2.99E-07	2.64E-08	4.90E-07	1.27E-07	1.66E-07	1.20E-08	3.06E-07
3849	565233.8	4222624	1.3E-06	1.58E-06	8.34E-08	2.96E-06	6.87E-07	1.73E-06	8.34E-08	2.51E-06	1.70E-07	3.09E-07	2.73E-08	5.07E-07	1.32E-07	1.72E-07	1.24E-08	3.16E-07
3850	565220.4	4222620	1.34E-06	1.63E-06	8.61E-08	3.06E-06	7.09E-07	1.79E-06	8.61E-08	2.59E-06	1.76E-07	3.19E-07	2.82E-08	5.23E-07	1.36E-07	1.78E-07	1.28E-08	3.26E-07
3851	565207	4222616	1.38E-06	1.68E-06	8.87E-08	3.15E-06	7.30E-07	1.84E-06	8.87E-08	2.66E-06	1.81E-07	3.29E-07	2.90E-08	5.39E-07	1.40E-07	1.83E-07	1.32E-08	3.36E-07
3852	565193.6	4222612	1.42E-06	1.73E-06	9.12E-08	3.24E-06	7.51E-07	1.90E-06	9.12E-08	2.74E-06	1.86E-07	3.38E-07	2.98E-08	5.54E-07	1.44E-07	1.88E-07	1.36E-08	3.46E-07
3853	565180.2	4222609	1.45E-06	1.77E-06	9.34E-08	3.32E-06	7.69E-07	1.94E-06	9.34E-08	2.81E-06	1.91E-07	3.46E-07	3.06E-08	5.67E-07	1.47E-07	1.93E-07	1.39E-08	3.54E-07
3854	565166.8	4222605	1.48E-06	1.81E-06	9.54E-08	3.39E-06	7.86E-07	1.98E-06	9.54E-08	2.86E-06	1.95E-07	3.54E-07	3.12E-08	5.79E-07	1.51E-07	1.97E-07	1.42E-08	3.62E-07
3855	565153.4	4222601	1.51E-06	1.85E-06	9.74E-08	3.46E-06	8.02E-07	2.03E-06	9.74E-08	2.92E-06	1.99E-07	3.61E-07	3.19E-08	5.91E-07	1.54E-07	2.01E-07	1.45E-08	3.69E-07
3856	565136.6	4222591	1.6E-06	1.96E-06	1.03E-07	3.66E-06	8.50E-07	2.15E-06	1.03E-07	3.10E-06	2.10E-07	3.82E-07	3.38E-08	6.27E-07	1.63E-07	2.13E-07	1.54E-08	3.91E-07
3857	565129.7	4222579	1.73E-06	2.11E-06	1.11E-07	3.96E-06	9.18E-07	2.32E-06	1.11E-07	3.35E-06	2.27E-07	4.13E-07	3.65E-08	6.77E-07	1.76E-07	2.30E-07	1.66E-08	4.23E-07
3858	565102.2	4222531	2.28E-06	2.79E-06	1.47E-07	5.22E-06	1.21E-06	3.06E-06	1.47E-07	4.42E-06	3.00E-07	5.45E-07	4.81E-08	8.93E-07	2.32E-07	3.03E-07	2.19E-08	5.58E-07
3859	565095.4	4222519	2.42E-06	2.96E-06	1.56E-07	5.53E-06	1.28E-06	3.24E-06	1.56E-07	4.68E-06	3.18E-07	5.78E-07	5.10E-08	9.47E-07	2.46E-07	3.22E-07	2.33E-08	5.91E-07
3860	565088.5	4222506	2.55E-06	3.12E-06	1.64E-07	5.84E-06	1.35E-06	3.42E-06	1.64E-07	4.94E-06	3.35E-07	6.09E-07	5.38E-08	9.98E-07	2.59E-07	3.39E-07	2.45E-08	6.23E-07
3861	565081.6	4222494	2.68E-06	3.27E-06	1.73E-07	6.13E-06	1.42E-06	3.59E-06	1.73E-07	5.18E-06	3.52E-07	6.39E-07	5.64E-08	1.05E-06	2.72E-07	3.56E-07	2.58E-08	6.54E-07
3862	565074.8	4222482	2.8E-06	3.42E-06	1.80E-07	6.40E-06	1.48E-06	3.75E-06	1.80E-07	5.41E-06	3.68E-07	6.68E-07	5.90E-08	1.09E-06	2.85E-07	3.72E-07	2.69E-08	6.84E-07
3863	565067.9	4222470	2.91E-06	3.56E-06	1.87E-07	6.65E-06	1.54E-06	3.90E-06	1.87E-07	5.63E-06	3.82E-07	6.95E-07	6.13E-08	1.14E-06	2.96E-07	3.87E-07	2.80E-08	7.11E-07
3864	565061	4222458	3.01E-06	3.68E-06	1.94E-07	6.88E-06	1.60E-06	4.03E-06	1.94E-07	5.82E-06	3.95E-07	7.18E-07	6.34E-08	1.18E-06	3.06E-07	4.00E-07	2.89E-08	7.35E-07
3865	565054.2	4222446	3.1E-06	3.78E-06	1.99E-07	7.08E-06	1.64E-06	4.15E-06	1.99E-07	5.99E-06	4.07E-07	7.39E-07	6.53E-08	1.21E-06	3.15E-07	4.12E-07	2.98E-08	7.56E-07
3866	565047.3	4222434	3.17E-06	3.88E-06	2.04E-07	7.25E-06	1.68E-06	4.25E-06	2.04E-07	6.14E-06	4.17E-07	7.57E-07	6.68E-08	1.24E-06	3.23E-07	4.22E-07	3.05E-08	7.75E-07
3867	565288.4	4222649	1.05E-06	1.29E-06	6.78E-08	2.41E-06	5.58E-07	1.41E-06	6.78E-08	2.04E-06	1.38E-07	2.51E-07	2.22E-08	4.12E-07	1.07E-07	1.40E-07	1.01E-08	2.57E-07
3868	565274.9	4222645	1.09E-06	1.33E-06	6.99E-08	2.48E-06	5.76E-07	1.45E-06	6.99E-08	2.10E-06	1.43E-07	2.59E-07	2.29E-08	4.25E-07	1.10E-07	1.44E-07	1.04E-08	2.65E-07
3869	565261.5	4222641	1.12E-06	1.37E-06	7.22E-08	2.56E-06	5.94E-07	1.50E-06	7.22E-08	2.17E-06	1.47E-07	2.67E-07	2.36E-08	4.38E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
3870	565234.6	4222633	1.2E-06	1.46E-06	7.71E-08	2.74E-06	6.35E-07	1.60E-06	7.71E-08	2.32E-06	1.57E-07	2.86E-07	2.52E-08	4.68E-07	1.22E-07	1.59E-07	1.15E-08	2.92E-07
3871	565221.2	4222630	1.24E-06	1.51E-06	7.96E-08	2.83E-06	6.56E-07	1.66E-06	7.96E-08	2.39E-06	1.62E-07	2.95E-07	2.61E-08	4.84E-07	1.26E-07	1.64E-07	1.19E-08	3.02E-07
3872	565207.8	4222626	1.27E-06	1.56E-06	8.21E-08	2.91E-06	6.76E-07	1.71E-06	8.21E-08	2.47E-06	1.67E-07	3.04E-07	2.69E-08	4.98E-07	1.30E-07	1.69E-07	1.22E-08	3.11E-07
3873	565194.4	4222622	1.31E-06	1.6E-06	8.44E-08	3.00E-06	6.95E-07	1.76E-06	8.44E-08	2.54E-06	1.72E-07	3.13E-07	2.76E-08	5.13E-07	1.33E-07	1.74E-07	1.26E-08	3.20E-07
3874	565180.9	4222618	1.35E-06	1.64E-06	8.67E-08	3.08E-06	7.14E-07	1.80E-06	8.67E-08	2.60E-06	1.77E-07	3.21E-07	2.84E-08	5.26E-07	1.37E-07	1.79E-07	1.29E-08	3.29E-07
3875	565167.5	4222615	1.38E-06	1.68E-06	8.87E-08	3.15E-06	7.31E-07	1.84E-06	8.87E-08	2.66E-06	1.81E-07	3.29E-07	2.90E-08	5.39E-07	1.40E-07	1.83E-07	1.32E-08	3.36E-07
3876	565154.1	4222611	1.41E-06	1.72E-06	9.07E-08	3.22E-06	7.47E-07	1.89E-06	9.07E-08	2.72E-06	1.85E-07	3.36E-07	2.97E-08	5.51E-07	1.43E-07	1.87E-07	1.35E-08	3.44E-07
3877	565140.6	4222607	1.44E-06	1.76E-06	9.25E-08	3.29E-06	7.62E-07	1.92E-06	9.25E-08	2.78E-06	1.89E-07	3.43E-07	3.03E-08	5.62E-07	1.46E-07	1.91E-07	1.38E-08	3.51E-07
3878	565130.5	4222599	1.51E-06	1.84E-06	9.71E-08	3.45E-06	8.00E-07	2.02E-06	9.71E-08	2.92E-06	1.98E-07	3.60E-07	3.18E-08	5.90E-07	1.53E-07	2.00E-07	1.45E-08	3.68E-07
3879	565123.6	4222587	1.63E-06	1.99E-06	1.05E-07	3.72E-06	8.64E-07	2.18E-06	1.05E-07	3.15E-06	2.14E-07	3.89E-07	3.43E-08	6.37E-07	1.66E-07	2.16E-07	1.57E-08	3.98E-07
3880	565116.7	4222575	1.75E-06	2.14E-06	1.13E-07	4.01E-06	9.30E-07	2.35E-06	1.13E-07	3.39E-06	2.30E-07	4.19E-07	3.69E-08	6.86E-07	1.78E-07	2.33E-07	1.69E-08	4.28E-07
3881	565102.9	4222550	2.01E-06	2.46E-06	1.30E-07	4.60E-06	1.07E-06	2.70E-06	1.30E-07	3.89E-06	2.65E-07	4.81E-07	4.24E-08	7.88E-07	2.05E-07	2.68E-07	1.94E-08	4.92E-07
3882	565096.1	4222538	2.15E-06	2.62E-06	1.38E-07	4.91E-06	1.14E-06	2.87E-06	1.38E-07	4.15E-06	2.82E-07	5.12E-07	4.52E-08	8.39E-07	2.18E-07	2.85E-07	2.06E-08	5.24E-07
3883	565089.2	4222526	2.28E-06	2.78E-06	1.47E-07	5.20E-06	1.21E-06	3.05E-06	1.47E-07	4.40E-06	2.99E-07	5.43E-07	4.79E-08	8.90E-07	2.31E-07	3.02E-07	2.19E-08	5.56E-07
3884	565082.3	4222514	2.4E-06	2.93E-06	1.55E-07	5.49E-06	1.27E-06	3.22E-06	1.55E-07	4.64E-06	3.15E-07	5.73E-07	5.06E-08	9.39E-07	2.44E-07	3.19E-07	2.31E-08	5.86E-07
3885	565075.4	4222502	2.52E-06	3.08E-06	1.63E-07	5.77E-06	1.34E-06	3.38E-06	1.63E-07	4.88E-06	3.32E-07	6.02E-07	5.32E-08	9.87E-07	2.57E-07	3.35E-07	2.43E-08	6.16E-07
3886	565068.5	4222490	2.64E-06	3.23E-06	1.70E-07	6.04E-06	1.40E-06	3.54E-06	1.70E-07	5.11E-06	3.47E-07	6.31E-07	5.57E-08	1.03E-06	2.69E-07	3.51E-07	2.54E-08	6.45E-07
3887	565061.7	4222478	2.75E-06	3.36E-06	1.77E-07	6.29E-06	1.46E-06	3.68E-06	1.77E-07	5.32E-06	3.61E-07	6.57E-07	5.80E-08	1.08E-06	2.80E-07	3.66E-07	2.64E-08	6.72E-07
3888	565054.8	4222465	2.85E-06	3.48E-06	1.83E-07	6.51E-06	1.51E-06	3.82E-06	1.83E-07	5.51E-06	3.74E-07	6.80E-07	6.00E-08	1.11E-06	2.90E-07	3.79E-07	2.74E-08	6.96E-07
3889	565047.9	4222453	2.94E-06	3.59E-06	1.89E-07	6.72E-06	1.56E-06	3.93E-06	1.89E-07	5.68E-06	3.86E-07	7.01E-07	6.19E-08	1.15E-06	2.99E-07	3.90E-07	2.82E-08	7.17E-07
3890	565041	4222441	3.01E-06	3.68E-06	1.94E-07	6.89E-06	1.60E-06	4.04E-06	1.94E-07	5.83E-06	3.96E-07	7.19E-07	6.35E-08	1.18E-06	3.06E-07	4.00E-07	2.90E-08	7.36E-07
3891	565289.4	4222658	9.81E-07	1.2E-06	6.31E-08	2.24E-06	5.20E-07	1.31E-06	6.31E-08	1.90E-06	1.29E-07	2.34E-07	2.07E-08	3.83E-07	9.97E-08	1.30E-07	9.42E-09	2.39E-07
3892	565275.9	4222655	1.01E-06	1.23E-06	6.50E-08	2.31E-06	5.35E-07	1.35E-06	6.50E-08	1.95E-06	1.33E-07	2.41E-07	2.13E-08	3.95E-07	1.03E-07	1.34E-07	9.70E-09	2.46E-07
3893	565262.4	4222651	1.04E-06	1.27E-06	6.70E-08	2.38E-06	5.52E-07	1.39E-06	6.70E-08	2.01E-06	1.37E-07	2.48E-07	2.19E-08	4.07E-07	1.06E-07	1.38E-07	1.00E-08	2.54E-07
3894	565235.5	4222643	1.11E-06	1.36E-06	7.15E-08	2.54E-06	5.89E-07	1.49E-06	7.15E-08	2.15E-06	1.46E-07	2.65E-07	2.34E-08	4.34E-07	1.13E-07	1.48E-07	1.07E-08	2.71E-07
3895	565222.1	4222639	1.15E-06	1.4E-06	7.38E-08	2.62E-06	6.08E-07	1.54E-06	7.38E-08	2.22E-06	1.51E-07	2.74E-07	2.42E-08	4.49E-07	1.17E-07	1.52E-07	1.10E-08	2.80E-07
3896	565208.6	4222636	1.18E-06	1.44E-06	7.61E-08	2.70E-06	6.27E-07	1.58E-06	7.61E-08	2.29E-06	1.55E-07	2.82E-07	2.49E-08	4.62E-07	1.20E-07	1.57E-07	1.14E-08	2.89E-07
3897	565195.1	4222632	1.22E-06	1.49E-06	7.83E-08	2.78E-06	6.45E-07	1.63E-06	7.83E-08	2.35E-06	1.60E-07	2.90E-07	2.56E-08	4.76E-07	1.24E-07	1.62E-07	1.17E-08	2.97E-07
3898	565181.7	4222628	1.25E-06	1.53E-06	8.05E-08	2.86E-06	6.63E-07	1.67E-06	8.05E-08	2.42E-06	1.64E-07	2.98E-07	2.63E-08	4.89E-07	1.27E-07	1.66E-07	1.20E-08	3.05E-07
3899	565168.2	4222624	1.28E-06	1.57E-06	8.26E-08	2.93E-06	6.80E-07	1.72E-06	8.26E-08	2.48E-06	1.68E-07	3.06E-07	2.70E-08	5.02E-07	1.30E-07	1.70E-07	1.23E-08	3.13E-07
3900	565154.8	4222620	1.31E-06	1.6E-06	8.45E-08	3.00E-06	6.96E-07	1.76E-06	8.45E-08	2.54E-06	1.72E-07	3.13E-07	2.77E-08	5.13E-07	1.33E-07	1.74E-07	1.26E-08	3.20E-07
3901	565141.3	4222617	1.34E-06	1.64E-06	8.64E-08	3.07E-06	7.11E-07	1.80E-06	8.64E-08	2.59E-06	1.76E-07	3.20E-07	2.83E-08	5.25E-07	1.36E-07	1.78E-07	1.29E-08	3.27E-07
3902	565124.4	4222607	1.42E-06	1.74E-06	9.16E-08	3.25E-06	7.54E-07	1.90E-06	9.16E-08	2.75E-06	1.87E-07	3.39E-07	3.00E-08	5.56E-07	1.45E-07	1.89E-07	1.37E-08	3.47E-07
3903	565117.5	4222595	1.54E-06	1.88E-06	9.88E-08	3.51E-06	8.14E-07	2.06E-06	9.88E-08	2.97E-06	2.02E-07	3.66E-07	3.23E-08	6.00E-07	1.56E-07	2.04E-07	1.48E-08	3.75E-07
3904	565110.6	4222582	1.65E-06	2.02E-06	1.06E-07	3.78E-06	8.76E-07	2.21E-06	1.06E-07	3.20E-06	2.17E-07	3.94E-07	3.48E-08	6.46E-07	1.68E-07	2.20E-07	1.59E-08	4.03E-07
3905	565103.7	4222570	1.77E-06	2.17E-06	1.14E-07	4.05E-06	9.40E-07	2.37E-06	1.14E-07	3.43E-06	2.33E-07	4.23E-07	3.73E-08	6.93E-07	1.80E-07	2.36E-07	1.70E-08	4.33E-07
3906	565089.9	4222546	2.02E-06	2.47E-06	1.30E-07	4.62E-06	1.07E-06	2.71E-06	1.30E-07	3.91E-06	2.65E-07	4.82E-07	4.26E-08	7.90E-07	2.05E-07	2.68E-07	1.94E-08	4.93E-07
3907	565083	4222534	2.14E-06	2.62E-06	1.38E-07	4.90E-06	1.14E-06	2.87E-06	1.38E-07	4.15E-06	2.82E-07	5.11E-07	4.52E-08	8.38E-07	2.18E-07	2.85E-07	2.06E-08	5.23E-07
3908	565076.1	4222522	2.26E-06	2.76E-06	1.46E-07	5.17E-06	1.20E-06	3.03E-06	1.46E-07	4.38E-06	2.97E-07	5.40E-07	4.77E-08	8.85E-07	2.30E-07	3.01E-07	2.17E-08	5.53E-07
3909	565069.2	4222509	2.38E-06	2.91E-06	1.53E-07	5.44E-06	1.26E-06	3.19E-06	1.53E-07	4.60E-06	3.13E-07	5.68E-07	5.02E-08	9.31E-07	2.42E-07	3.16E-07	2.29E-08	5.81E-07
3910	565062.3	4222497	2.5E-06	3.05E-06	1.61E-07	5.70E-06	1.32E-06	3.34E-06	1.61E-07	4.83E-06	3.28E-07	5.95E-07	5.26E-08	9.76E-07	2.54E-07	3.32E-07	2.40E-08	6.09E-07
3911	565055.4	4222485	2.6E-06	3.18E-06	1.68E-07	5.95E-06	1.38E-06	3.49E-06	1.68E-07	5.03E-06	3.42E-07	6.21E-07	5.48E-08	1.02E-06	2.65E-07	3.46E-07	2.50E-08	6.35E-07
3912	565048.5	4222473	2.7E-06	3.3E-06	1.74E-07	6.17E-06	1.43E-06	3.61E-06	1.74E-07	5.22E-06	3.55E-07	6.44E-07	5.69E-08	1.06E-06	2.74E-07	3.59E-07	2.59E-08	6.59E-07
3913	565041.6	4222461	2.79E-06	3.4E-06	1.79E-07	6.37E-06	1.48E-06	3.73E-06	1.79E-07	5.39E-06	3.66E-07	6.65E-07	5.87E-08	1.09E-06	2.83E-07	3.70E-07	2.68E-08	6.80E-07
3914	565034.7	4222448	2.86E-06	3.5E-06	1.84E-07	6.54E-06	1.52E-06	3.83E-06	1.84E-07	5.53E-06	3.76E-07	6.83E-07	6.03E-08	1.12E-06	2.91E-07	3.80E-07	2.75E-08	6.99E-07
3915	565027.8	4222436	2.93E-06	3.57E-06	1.88E-07	6.69E-06	1.55E-06	3.92E-06	1.88E-07	5.66E-06	3.84E-07	6.98E-07	6.16E-08	1.14E-06	2.97E-07	3.89E-07	2.81E-08	7.14E-07
3916	565290.4	4222668	9.17E-07	1.12E-06	5.90E-08	2.10E-06	4.86E-07	1.23E-06	5.90E-08	1.77E-06	1.20E-07	2.19E-07	1.93E-08	3.58E-07	9.32E-08	1.22E-07	8.81E-09	2.24E-07
3917	565276.9	4222664	9.42E-07	1.15E-06	6.07E-08	2.15E-06	5.00E-07	1.26E-06	6.07E-08	1.82E-06	1.24E-07	2.25E-07	1.98E-08	3.68E-07	9.58E-08	1.25E-07	9.05E-09	2.30E-07
3918	565263.4	4222661	9.7E-07	1.18E-06	6.24E-08	2.22E-06	5.14E-07	1.30E-06	6.24E-08	1.88E-06	1.27E-07	2.31E-07	2.04E-08	3.79E-07	9.86E-08	1.29E-07	9.32E-09	2.37E-07
3919	565249.9	4222657	1E-06	1.22E-06	6.44E-08	2.29E-06	5.30E-07	1.34E-06	6.44E-08	1.93E-06	1.31E-07	2.39E-07	2.11E-08	3.91E-07	1.02E-07	1.33E-07	9.61E-09	2.44E-07
3920	565222.9	4222649	1.07E-06	1.3E-06	6.86E-08	2.44E-06	5.65E-07	1.43E-06	6.86E-08	2.06E-06	1.40E-07	2.54E-07	2.25E-08	4.17E-07	1.08E-07	1.42E-07	1.02E-08	2.60E-07
3921	565209.5	4222645	1.1E-06	1.34E-06	7.07E-08	2.51E-06	5.83E-07	1.47E-06	7.07E-08	2.12E-06	1.44E-07	2.62E-07	2.31E-08	4.30E-07	1.12E-07	1.46E-07	1.06E-08	2.68E-07
3922	565196	4222641	1.13E-06	1.38E-06	7.28E-08	2.59E-06	6.00E-07	1.51E-06	7.28E-08	2.19E-06	1.49E-07	2.70E-07	2.38E-08	4.42E-07	1.15E-07	1.50E-07	1.09E-08	2.76E-07
3923	565182.5	4222638	1.16E-06	1.42E-06	7.49E-08	2.66E-06	6.17E-07	1.56E-06	7.49E-08	2.25E-06	1.53E-07	2.78E-07	2.45E-08	4.55E-07	1.18E-07	1.55E-07	1.12E-08	2.84E-07
3924	565169	4222634	1.2E-06	1.46E-06	7.70E-08	2.73E-06	6.34E-07	1.60E-06	7.70E-08	2.31E-06	1.57E-07	2.85E-07	2.52E-08	4.67E-07	1.21E-07	1.59E-07	1.15E-08	2.92E-07
3925	565155.5	4222630	1.23E-06	1.5E-06	7.89E-08	2.80E-06	6.50E-07	1.64E-06	7.89E-08	2.37E-06	1.61E-07	2.92E-07	2.58E-08	4.79E-07	1.25E-07	1.63E-07	1.18E-08	2.99E-07
3926	565142	4222626	1.25E-06	1.53E-06	8.07E-08	2.86E-06	6.64E-07	1.68E-06	8.07E-08	2.42E-06	1.65E-07	2.99E-07	2.64E-08	4.90E-07	1.27E-07	1.66E-07	1.20E-08	3.06E-07
3927	565128.5	4222622	1.28E-06	1.56E-06	8.24E-08	2.92E-06	6.78E-07	1.71E-06	8.24E-08	2.47E-06	1.68E-07	3.05E-07	2.69E-08	5.00E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07
3928	565118.3	4222614	1.34E-06	1.64E-06	8.65E-08	3.07E-06	7.12E-07	1.80E-06	8.65E-08	2.60E-06	1.76E-07	3.20E-07	2.83E-08	5.25E-07	1.37E-07	1.78E-07	1.29E-08	3.28E-07
3929	565111.4	4222602	1.45E-06	1.77E-06	9.33E-08	3.31E-06	7.69E-07	1.94E-06	9.33E-08	2.80E-06	1.90E-07	3.46E-07	3.05E-08	5.67E-07	1.47E-07	1.93E-07	1.39E-08	3.54E-07
3930	565104.5	4222590	1.56E-06	1.9E-06	1.00E-07	3.56E-06	8.27E-07	2.09E-06	1.00E-07	3.02E-06	2.05E-07	3.72E-07	3.28E-08	6.10E-07	1.58E-07	2.07E-07	1.50E-08	3.81E-07
3931	565097.6	4222578	1.67E-06	2.04E-06	1.08E-07	3.82E-06	8.87E-07	2.24E-06	1.08E-07	3.23E-06	2.20E-07	3.99E-07	3.52E-08	6.54E-07	1.70E-07	2.22E-07	1.61E-08	4.08E-07
3932	565083.8	4222553	1.91E-06	2.33E-06	1.23E-07	4.36E-06	1.01E-06	2.55E-06	1.23E-07	3.69E-06	2.50E-07	4.55E-07	4.02E-08	7.45E-07	1.94E-07	2.53E-07	1.83E-08	4.65E-07
3933	565076.8	4222541	2.02E-06	2.47E-06	1.30E-07	4.62E-06	1.07E-06	2.71E-06	1.30E-07	3.91E-06	2.66E-07	4.82E-07	4.26E-08	7.91E-07	2.05E-07	2.69E-07	1.94E-08	4.94E-07
3934	565069.9	4222529	2.14E-06	2.61E-06	1.38E-07	4.88E-06	1.13E-06	2.86E-06	1.38E-07	4.13E-06	2.81E-07	5.10E-07	4.50E-08	8.35E-07	2.17E-07	2.84E-07	2.05E-08	5.22E-07
3935	565063	4222517	2.25E-06	2.75E-06	1.45E-07	5.14E-06	1.19E-06	3.01E-06	1.45E-07	4.35E-06	2.95E-07	5.36E-07	4.73E-08	8.79E-07	2.28E-07	2.99E-07	2.16E-08	5.49E-07
3936	565056.1	4222505	2.36E-06	2.88E-06	1.52E-07	5.39E-06	1.25E-06	3.16E-06	1.52E-07	4.56E-06	3.10E-07	5.63E-07	4.97E-08	9.22E-07	2.40E-07	3.13E-07	2.27E-08	5.76E-07
3937	565049.2	4222492	2.46E-06	3.01E-06	1.59E-07	5.63E-06	1.31E-06	3.30E-06	1.59E-07	4.76E-06	3.23E-07	5.88E-07	5.19E-08	9.63E-07	2.50E-07	3.27E-07	2.37E-08	6.01E-07
3938	565042.3	4222480	2.56E-06	3.12E-06	1.65E-07	5.85E-06	1.36E-06	3.43E-06	1.65E-07	4.95E-06	3.36E-07	6.10E-07	5.39E-08	1.00E-06	2.60E-07	3.40E-07	2.46E-08	6.24E-07
3939	565291.4	4222678	8.6E-07	1.05E-06	5.53E-08	1.96E-06	4.56E-07	1.15E-06	5.53E-08	1.66E-06	1.13E-07	2.05E-07	1.81E-08	3.36E-07	8.74E-08	1.14E-07	8.26E-09	2.10E-07
3940	565277.9	4222674	8.82E-07	1.08E-06	5.68E-08	2.02E-06	4.68E-07	1.18E-06	5.68E-08	1.71E-06	1.16E-07	2.10E-07	1.86E-08	3.45E-07	8.96E-08	1.17E-07	8.48E-09	2.15E-07
3941	565264.4	4222670	9.07E-07	1.11E-06	5.84E-08	2.07E-06	4.81E-07	1.21E-06	5.84E-08	1.75E-06	1.19E-07	2.16E-07	1.91E-08	3.55E-07	9.21E-08	1.20E-07	8.71E-09	2.21E-07
3942	565250.9	4222666	9.34E-07	1.14E-06	6.01E-08	2.13E-06	4.95E-07	1.25E-06	6.01E-08	1.80E-06	1.23E-07	2.23E-07	1.97E-08	3.65E-07	9.49E-08	1.24E-07	8.97E-09	2.28E-07
3943	565142.7	4222636	1.17E-06	1.43E-06	7.54E-08	2.68E-06	6.21E-07	1.57E-06	7.54E-08	2.27E-06	1.54E-07	2.80E-07	2.47E-08	4.58E-07	1.19E-07	1.56E-07	1.13E-08	2.86E-07
3944	565129.2	4222632	1.2E-06	1.46E-06	7.71E-08	2.74E-06	6.35E-07	1.60E-06	7.71E-08	2.32E-06	1.57E-07	2.86E-07	2.52E-08	4.68E-07	1.22E-07	1.59E-07	1.15E-08	2.92E-07
3945	565112.2	4222622	1.27E-06	1.55E-06	8.18E-08	2.90E-06	6.74E-07	1.70E-06	8.18E-08	2.46E-06	1.67E-07	3.03E-07	2.68E-08	4.97E-07	1.29E-07	1.69E-07	1.22E-08	3.10E-07
3946	565105.3	4222610	1.37E-06	1.67E-06	8.82E-08	3.13E-06	7.26E-07	1.83E-06	8.82E-08	2.65E-06	1.80E-07	3.27E-07	2.89E-08	5.36E-07	1.39E-07	1.82E-07	1.32E-08	3.34E-07
3947	565098.4	4222598	1.47E-06	1.8E-06	9.48E-08	3.37E-06	7.81E-07	1.97E-06	9.48E-08	2.85E-06	1.94E-07	3.52E-07	3.10E-08	5.76E-07	1.50E-07	1.96E-07	1.42E-08	3.60E-07
3948	565091.5	4222585	1.58E-06	1.93E-06	1.02E-07	3.61E-06	8.38E-07	2.12E-06	1.02E-07	3.06E-06	2.08E-07	3.77E-07	3.33E-08	6.18E-07	1.61E-07	2.10E-07	1.52E-08	3.86E-07
3949	565084.5	4222573	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.97E-07	2.26E-06	1.09E-07	3.27E-06	2.22E-07	4.03E-07	3.56E-08	6.61E-07	1.72E-07	2.25E-07	1.62E-08	4.13E-07
3950	565070.7	4222549	1.91E-06	2.33E-06	1.23E-07	4.37E-06	1.01E-06	2.56E-06	1.23E-07	3.69E-06	2.51E-07	4.56E-07	4.02E-08	7.47E-07	1.94E-07	2.54E-07	1.84E-08	4.66E-07
3951	565063.7	4222537	2.02E-06	2.47E-06	1.30E-07	4.62E-06	1.07E-06	2.70E-06	1.30E-07	3.90E-06	2.65E-07	4.82E-07	4.25E-08	7.90E-07	2.05E-07	2.68E-07	1.94E-08	4.93E-07
3952	565056.8	4222524	2.13E-06	2.6E-06	1.37E-07	4.86E-06	1.13E-06	2.85E-06	1.37E-07	4.11E-06	2.79E-07	5.07E-07	4.48E-08	8.31E-07	2.16E-07	2.82E-07	2.04E-08	5.19E-07
3953	565049.9	4222512	2.23E-06	2.72E-06	1.44E-07	5.10E-06	1.18E-06	2.99E-06	1.44E-07	4.31E-06	2.93E-07	5.32E-07	4.70E-08	8.72E-07	2.27E-07	2.96E-07	2.14E-08	5.44E-07
3954	565293.5	4222698	7.61E-07	9.29E-07	4.90E-08	1.74E-06	4.03E-07	1.02E-06	4.90E-08	1.47E-06	9.99E-08	1.81E-07	1.60E-08	2.97E-07	7.73E-08	1.01E-07	7.31E-09	1.86E-07
3955	565279.9	4222694	7.78E-07	9.5E-07	5.01E-08	1.78E-06	4.13E-07	1.04E-06	5.01E-08	1.50E-06	1.02E-07	1.86E-07	1.64E-08	3.04E-07	7.91E-08	1.03E-07	7.48E-09	1.90E-07
3956	565266.3	4222690	7.98E-07	9.74E-07	5.13E-08	1.82E-06	4.23E-07	1.07E-06	5.13E-08	1.54E-06	1.05E-07	1.90E-07	1.68E-08	3.12E-07	8.11E-08	1.06E-07	7.66E-09	1.95E-07
3957	565252.7	4222686	8.19E-07	1E-06	5.27E-08	1.87E-06	4.34E-07	1.10E-06	5.27E-08	1.58E-06	1.08E-07	1.95E-07	1.72E-08	3.20E-07	8.32E-08	1.09E-07	7.87E-09	2.00E-07

3958	565225.6	4222679	8.67E-07	1.06E-06	5.58E-08	1.98E-06	4.60E-07	1.16E-06	5.58E-08	1.68E-06	1.14E-07	2.07E-07	1.83E-08	3.39E-07	8.81E-08	1.15E-07	8.33E-09	2.12E-07
3959	565212	4222675	8.93E-07	1.09E-06	5.74E-08	2.04E-06	4.73E-07	1.20E-06	5.74E-08	1.73E-06	1.17E-07	2.13E-07	1.88E-08	3.49E-07	9.07E-08	1.19E-07	8.58E-09	2.18E-07
3960	565198.4	4222671	9.18E-07	1.12E-06	5.91E-08	2.10E-06	4.87E-07	1.23E-06	5.91E-08	1.78E-06	1.21E-07	2.19E-07	1.93E-08	3.59E-07	9.33E-08	1.22E-07	8.82E-09	2.24E-07
3961	565184.8	4222667	9.45E-07	1.15E-06	6.08E-08	2.16E-06	5.01E-07	1.27E-06	6.08E-08	1.83E-06	1.24E-07	2.25E-07	1.99E-08	3.69E-07	9.60E-08	1.26E-07	9.08E-09	2.31E-07
3962	565171.3	4222663	9.72E-07	1.19E-06	6.26E-08	2.22E-06	5.15E-07	1.30E-06	6.26E-08	1.88E-06	1.28E-07	2.32E-07	2.05E-08	3.80E-07	9.88E-08	1.29E-07	9.34E-09	2.37E-07
3963	565157.7	4222659	9.99E-07	1.22E-06	6.43E-08	2.28E-06	5.30E-07	1.34E-06	6.43E-08	1.93E-06	1.31E-07	2.38E-07	2.10E-08	3.91E-07	1.02E-07	1.33E-07	9.60E-09	2.44E-07
3964	565144.1	4222655	1.03E-06	1.25E-06	6.60E-08	2.34E-06	5.44E-07	1.37E-06	6.60E-08	1.98E-06	1.35E-07	2.45E-07	2.16E-08	4.01E-07	1.04E-07	1.36E-07	9.86E-09	2.50E-07
3965	565130.5	4222652	1.05E-06	1.28E-06	6.77E-08	2.40E-06	5.57E-07	1.41E-06	6.77E-08	2.03E-06	1.38E-07	2.51E-07	2.21E-08	4.11E-07	1.07E-07	1.40E-07	1.01E-08	2.57E-07
3966	565099.9	4222638	1.14E-06	1.39E-06	7.34E-08	2.61E-06	6.04E-07	1.53E-06	7.34E-08	2.20E-06	1.50E-07	2.72E-07	2.40E-08	4.46E-07	1.16E-07	1.51E-07	1.10E-08	2.78E-07
3967	565092.9	4222626	1.23E-06	1.5E-06	7.90E-08	2.81E-06	6.51E-07	1.64E-06	7.90E-08	2.37E-06	1.61E-07	2.93E-07	2.58E-08	4.80E-07	1.25E-07	1.63E-07	1.18E-08	3.00E-07
3968	565086	4222613	1.32E-06	1.61E-06	8.49E-08	3.01E-06	6.99E-07	1.77E-06	8.49E-08	2.55E-06	1.73E-07	3.15E-07	2.78E-08	5.16E-07	1.34E-07	1.75E-07	1.27E-08	3.22E-07
3969	565079	4222601	1.41E-06	1.73E-06	9.10E-08	3.23E-06	7.49E-07	1.89E-06	9.10E-08	2.73E-06	1.86E-07	3.37E-07	2.98E-08	5.53E-07	1.44E-07	1.88E-07	1.36E-08	3.45E-07
3970	565072	4222589	1.51E-06	1.85E-06	9.73E-08	3.46E-06	8.02E-07	2.02E-06	9.73E-08	2.92E-06	1.99E-07	3.61E-07	3.18E-08	5.91E-07	1.54E-07	2.01E-07	1.45E-08	3.69E-07
3971	565065.1	4222576	1.61E-06	1.97E-06	1.04E-07	3.68E-06	8.55E-07	2.16E-06	1.04E-07	3.12E-06	2.12E-07	3.85E-07	3.39E-08	6.30E-07	1.64E-07	2.14E-07	1.55E-08	3.93E-07
3972	565051.2	4222552	1.81E-06	2.21E-06	1.16E-07	4.13E-06	9.58E-07	2.42E-06	1.16E-07	3.50E-06	2.37E-07	4.31E-07	3.81E-08	7.07E-07	1.84E-07	2.40E-07	1.74E-08	4.41E-07
3973	565030.3	4222515	2.09E-06	2.55E-06	1.35E-07	4.78E-06	1.11E-06	2.80E-06	1.35E-07	4.04E-06	2.75E-07	4.99E-07	4.41E-08	8.18E-07	2.13E-07	2.78E-07	2.01E-08	5.11E-07
3974	565023.3	4222503	2.18E-06	2.66E-06	1.40E-07	4.98E-06	1.16E-06	2.92E-06	1.40E-07	4.21E-06	2.86E-07	5.20E-07	4.59E-08	8.52E-07	2.22E-07	2.90E-07	2.09E-08	5.32E-07
3975	565016.4	4222491	2.26E-06	2.76E-06	1.46E-07	5.17E-06	1.20E-06	3.03E-06	1.46E-07	4.37E-06	2.97E-07	5.40E-07	4.76E-08	8.84E-07	2.30E-07	3.00E-07	2.17E-08	5.52E-07
3976	565009.4	4222478	2.34E-06	2.85E-06	1.50E-07	5.34E-06	1.24E-06	3.13E-06	1.50E-07	4.52E-06	3.07E-07	5.57E-07	4.92E-08	9.13E-07	2.37E-07	3.10E-07	2.24E-08	5.70E-07
3977	565002.4	4222466	2.4E-06	2.94E-06	1.55E-07	5.49E-06	1.27E-06	3.22E-06	1.55E-07	4.65E-06	3.16E-07	5.74E-07	5.06E-08	9.40E-07	2.44E-07	3.19E-07	2.31E-08	5.87E-07
3978	565295.5	4222718	6.8E-07	8.3E-07	4.37E-08	1.55E-06	3.60E-07	9.10E-07	4.37E-08	1.31E-06	8.92E-08	1.62E-07	1.43E-08	2.66E-07	6.91E-08	9.03E-08	6.53E-09	1.66E-07
3979	565281.9	4222714	6.93E-07	8.47E-07	4.46E-08	1.58E-06	3.67E-07	9.28E-07	4.46E-08	1.34E-06	9.10E-08	1.65E-07	1.46E-08	2.71E-07	7.04E-08	9.21E-08	6.66E-09	1.69E-07
3980	565268.3	4222710	7.09E-07	8.66E-07	4.56E-08	1.62E-06	3.76E-07	9.49E-07	4.56E-08	1.37E-06	9.31E-08	1.69E-07	1.49E-08	2.77E-07	7.20E-08	9.42E-08	6.81E-09	1.73E-07
3981	565241	4222702	7.45E-07	9.1E-07	4.79E-08	1.70E-06	3.95E-07	9.97E-07	4.79E-08	1.44E-06	9.78E-08	1.78E-07	1.57E-08	2.91E-07	7.57E-08	9.89E-08	7.16E-09	1.82E-07
3982	565227.4	4222698	7.65E-07	9.34E-07	4.92E-08	1.75E-06	4.06E-07	1.02E-06	4.92E-08	1.48E-06	1.00E-07	1.83E-07	1.61E-08	2.99E-07	7.77E-08	1.02E-07	7.35E-09	1.87E-07
3983	565213.7	4222694	7.86E-07	9.6E-07	5.06E-08	1.80E-06	4.17E-07	1.05E-06	5.06E-08	1.52E-06	1.03E-07	1.88E-07	1.66E-08	3.07E-07	7.99E-08	1.04E-07	7.55E-09	1.92E-07
3984	565200.1	4222691	8.08E-07	9.87E-07	5.20E-08	1.85E-06	4.29E-07	1.08E-06	5.20E-08	1.56E-06	1.06E-07	1.93E-07	1.70E-08	3.16E-07	8.22E-08	1.07E-07	7.77E-09	1.97E-07
3985	565186.5	4222687	8.31E-07	1.02E-06	5.35E-08	1.90E-06	4.41E-07	1.11E-06	5.35E-08	1.61E-06	1.09E-07	1.98E-07	1.75E-08	3.25E-07	8.45E-08	1.10E-07	7.99E-09	2.03E-07
3986	565172.8	4222683	8.55E-07	1.04E-06	5.50E-08	1.95E-06	4.53E-07	1.14E-06	5.50E-08	1.65E-06	1.12E-07	2.04E-07	1.80E-08	3.34E-07	8.69E-08	1.14E-07	8.21E-09	2.09E-07
3987	565159.2	4222679	8.78E-07	1.07E-06	5.65E-08	2.01E-06	4.66E-07	1.18E-06	5.65E-08	1.70E-06	1.15E-07	2.10E-07	1.85E-08	3.43E-07	8.93E-08	1.17E-07	8.44E-09	2.14E-07
3988	565145.6	4222675	9.02E-07	1.1E-06	5.81E-08	2.06E-06	4.78E-07	1.21E-06	5.81E-08	1.74E-06	1.19E-07	2.15E-07	1.90E-08	3.53E-07	9.17E-08	1.20E-07	8.67E-09	2.20E-07
3989	565131.9	4222671	9.26E-07	1.13E-06	5.96E-08	2.12E-06	4.91E-07	1.24E-06	5.96E-08	1.79E-06	1.22E-07	2.21E-07	1.95E-08	3.62E-07	9.41E-08	1.23E-07	8.90E-09	2.26E-07
3990	565118.3	4222667	9.48E-07	1.16E-06	6.10E-08	2.17E-06	5.03E-07	1.27E-06	6.10E-08	1.83E-06	1.25E-07	2.26E-07	2.00E-08	3.71E-07	9.64E-08	1.26E-07	9.11E-09	2.31E-07
3991	565104.6	4222664	9.7E-07	1.18E-06	6.24E-08	2.22E-06	5.14E-07	1.30E-06	6.24E-08	1.88E-06	1.27E-07	2.31E-07	2.04E-08	3.79E-07	9.86E-08	1.29E-07	9.32E-09	2.37E-07
3992	565087.5	4222654	1.03E-06	1.25E-06	6.61E-08	2.35E-06	5.45E-07	1.38E-06	6.61E-08	1.99E-06	1.35E-07	2.45E-07	2.16E-08	4.02E-07	1.04E-07	1.36E-07	9.87E-09	2.51E-07
3993	565073.5	4222629	1.19E-06	1.45E-06	7.63E-08	2.71E-06	6.29E-07	1.59E-06	7.63E-08	2.29E-06	1.56E-07	2.83E-07	2.50E-08	4.64E-07	1.21E-07	1.58E-07	1.14E-08	2.89E-07
3994	565066.6	4222617	1.27E-06	1.55E-06	8.18E-08	2.90E-06	6.74E-07	1.70E-06	8.18E-08	2.46E-06	1.67E-07	3.03E-07	2.68E-08	4.97E-07	1.29E-07	1.69E-07	1.22E-08	3.10E-07
3995	565059.6	4222604	1.36E-06	1.66E-06	8.74E-08	3.10E-06	7.20E-07	1.82E-06	8.74E-08	2.63E-06	1.78E-07	3.24E-07	2.86E-08	5.31E-07	1.38E-07	1.80E-07	1.30E-08	3.31E-07
3996	565052.6	4222592	1.45E-06	1.77E-06	9.32E-08	3.31E-06	7.67E-07	1.94E-06	9.32E-08	2.80E-06	1.90E-07	3.45E-07	3.05E-08	5.66E-07	1.47E-07	1.92E-07	1.39E-08	3.53E-07
3997	565031.6	4222555	1.72E-06	2.09E-06	1.10E-07	3.92E-06	9.09E-07	2.30E-06	1.10E-07	3.32E-06	2.25E-07	4.09E-07	3.61E-08	6.71E-07	1.74E-07	2.28E-07	1.65E-08	4.19E-07
3998	565024.6	4222543	1.8E-06	2.2E-06	1.16E-07	4.12E-06	9.56E-07	2.41E-06	1.16E-07	3.49E-06	2.37E-07	4.30E-07	3.80E-08	7.05E-07	1.83E-07	2.40E-07	1.73E-08	4.40E-07
3999	565017.6	4222530	1.89E-06	2.31E-06	1.21E-07	4.31E-06	1.00E-06	2.53E-06	1.21E-07	3.65E-06	2.48E-07	4.50E-07	3.98E-08	7.38E-07	1.92E-07	2.51E-07	1.81E-08	4.61E-07
4000	565010.6	4222518	1.97E-06	2.4E-06	1.27E-07	4.50E-06	1.04E-06	2.63E-06	1.27E-07	3.80E-06	2.58E-07	4.69E-07	4.14E-08	7.69E-07	2.00E-07	2.61E-07	1.89E-08	4.80E-07
4001	565003.6	4222506	2.04E-06	2.5E-06	1.32E-07	4.67E-06	1.08E-06	2.74E-06	1.32E-07	3.95E-06	2.69E-07	4.88E-07	4.31E-08	7.99E-07	2.08E-07	2.72E-07	1.96E-08	4.99E-07
4002	564996.7	4222493	2.12E-06	2.59E-06	1.36E-07	4.84E-06	1.12E-06	2.83E-06	1.36E-07	4.09E-06	2.78E-07	5.05E-07	4.46E-08	8.28E-07	2.15E-07	2.81E-07	2.03E-08	5.17E-07
4003	564989.7	4222481	2.18E-06	2.67E-06	1.41E-07	4.99E-06	1.16E-06	2.92E-06	1.41E-07	4.22E-06	2.87E-07	5.21E-07	4.60E-08	8.54E-07	2.22E-07	2.90E-07	2.10E-08	5.33E-07
4004	564968.7	4222444	2.34E-06	2.86E-06	1.51E-07	5.35E-06	1.24E-06	3.13E-06	1.51E-07	4.53E-06	3.07E-07	5.58E-07	4.93E-08	9.15E-07	2.38E-07	3.11E-07	2.25E-08	5.71E-07
4005	565298.8	4222738	6.12E-07	7.47E-07	3.94E-08	1.40E-06	3.24E-07	8.19E-07	3.94E-08	1.18E-06	8.03E-08	1.46E-07	1.29E-08	2.39E-07	6.21E-08	8.12E-08	5.88E-09	1.49E-07
4006	565285.5	4222734	6.22E-07	7.59E-07	4.00E-08	1.42E-06	3.30E-07	8.32E-07	4.00E-08	1.20E-06	8.16E-08	1.48E-07	1.31E-08	2.43E-07	6.32E-08	8.26E-08	5.97E-09	1.52E-07
4007	565272.2	4222730	6.34E-07	7.74E-07	4.08E-08	1.45E-06	3.36E-07	8.48E-07	4.08E-08	1.23E-06	8.32E-08	1.51E-07	1.33E-08	2.48E-07	6.44E-08	8.42E-08	6.09E-09	1.55E-07
4008	565245.5	4222723	6.62E-07	8.08E-07	4.26E-08	1.51E-06	3.51E-07	8.86E-07	4.26E-08	1.28E-06	8.69E-08	1.58E-07	1.39E-08	2.59E-07	6.73E-08	8.79E-08	6.36E-09	1.62E-07
4009	565232.1	4222719	6.78E-07	8.28E-07	4.36E-08	1.55E-06	3.59E-07	9.07E-07	4.36E-08	1.31E-06	8.90E-08	1.62E-07	1.43E-08	2.65E-07	6.89E-08	9.00E-08	6.51E-09	1.65E-07
4010	565218.8	4222715	6.95E-07	8.48E-07	4.47E-08	1.59E-06	3.68E-07	9.30E-07	4.47E-08	1.34E-06	9.12E-08	1.66E-07	1.46E-08	2.72E-07	7.06E-08	9.23E-08	6.67E-09	1.70E-07
4011	565205.4	4222711	7.12E-07	8.7E-07	4.59E-08	1.63E-06	3.78E-07	9.54E-07	4.59E-08	1.38E-06	9.35E-08	1.70E-07	1.50E-08	2.79E-07	7.24E-08	9.46E-08	6.84E-09	1.74E-07
4012	565192.1	4222708	7.31E-07	8.93E-07	4.71E-08	1.67E-06	3.88E-07	9.79E-07	4.71E-08	1.41E-06	9.60E-08	1.74E-07	1.54E-08	2.86E-07	7.43E-08	9.71E-08	7.02E-09	1.78E-07
4013	565178.7	4222704	7.5E-07	9.17E-07	4.83E-08	1.72E-06	3.98E-07	1.00E-06	4.83E-08	1.45E-06	9.86E-08	1.79E-07	1.58E-08	2.93E-07	7.63E-08	9.97E-08	7.21E-09	1.83E-07
4014	565165.4	4222700	7.7E-07	9.41E-07	4.96E-08	1.76E-06	4.08E-07	1.03E-06	4.96E-08	1.49E-06	1.01E-07	1.84E-07	1.62E-08	3.01E-07	7.83E-08	1.02E-07	7.40E-09	1.88E-07
4015	565152.1	4222696	7.91E-07	9.66E-07	5.09E-08	1.81E-06	4.19E-07	1.06E-06	5.09E-08	1.53E-06	1.04E-07	1.89E-07	1.67E-08	3.09E-07	8.04E-08	1.05E-07	7.60E-09	1.93E-07
4016	565138.7	4222692	8.11E-07	9.9E-07	5.22E-08	1.85E-06	4.30E-07	1.09E-06	5.22E-08	1.57E-06	1.07E-07	1.93E-07	1.71E-08	3.17E-07	8.24E-08	1.08E-07	7.79E-09	1.98E-07
4017	565125.4	4222689	8.31E-07	1.02E-06	5.35E-08	1.90E-06	4.41E-07	1.11E-06	5.35E-08	1.61E-06	1.09E-07	1.98E-07	1.75E-08	3.25E-07	8.45E-08	1.10E-07	7.99E-09	2.03E-07
4018	565112	4222685	8.51E-07	1.04E-06	5.48E-08	1.95E-06	4.51E-07	1.14E-06	5.48E-08	1.65E-06	1.12E-07	2.03E-07	1.79E-08	3.33E-07	8.65E-08	1.13E-07	8.18E-09	2.08E-07
4019	565098.7	4222681	8.7E-07	1.06E-06	5.60E-08	1.99E-06	4.61E-07	1.17E-06	5.60E-08	1.68E-06	1.14E-07	2.08E-07	1.83E-08	3.40E-07	8.84E-08	1.16E-07	8.36E-09	2.12E-07
4020	565085.3	4222677	8.89E-07	1.09E-06	5.72E-08	2.03E-06	4.71E-07	1.19E-06	5.72E-08	1.72E-06	1.17E-07	2.12E-07	1.87E-08	3.47E-07	9.03E-08	1.18E-07	8.54E-09	2.17E-07
4021	565075.2	4222669	9.3E-07	1.14E-06	5.98E-08	2.12E-06	4.93E-07	1.24E-06	5.98E-08	1.80E-06	1.22E-07	2.22E-07	1.96E-08	3.63E-07	9.45E-08	1.23E-07	8.93E-09	2.27E-07
4022	565068.4	4222657	9.96E-07	1.22E-06	6.41E-08	2.28E-06	5.28E-07	1.33E-06	6.41E-08	1.93E-06	1.31E-07	2.38E-07	2.10E-08	3.90E-07	1.01E-07	1.32E-07	9.57E-09	2.43E-07
4023	565054.7	4222633	1.14E-06	1.39E-06	7.34E-08	2.61E-06	6.05E-07	1.53E-06	7.34E-08	2.20E-06	1.50E-07	2.72E-07	2.40E-08	4.46E-07	1.16E-07	1.51E-07	1.10E-08	2.78E-07
4024	565027.4	4222585	1.45E-06	1.77E-06	9.35E-08	3.32E-06	7.70E-07	1.95E-06	9.35E-08	2.81E-06	1.91E-07	3.47E-07	3.06E-08	5.68E-07	1.48E-07	1.93E-07	1.40E-08	3.55E-07
4025	565020.5	4222573	1.53E-06	1.87E-06	9.86E-08	3.50E-06	8.12E-07	2.05E-06	9.86E-08	2.96E-06	2.01E-07	3.65E-07	3.23E-08	5.99E-07	1.56E-07	2.04E-07	1.47E-08	3.74E-07
4026	565013.7	4222561	1.61E-06	1.97E-06	1.04E-07	3.68E-06	8.54E-07	2.16E-06	1.04E-07	3.11E-06	2.12E-07	3.84E-07	3.39E-08	6.30E-07	1.64E-07	2.14E-07	1.55E-08	3.93E-07
4027	565006.8	4222549	1.69E-06	2.06E-06	1.09E-07	3.86E-06	8.95E-07	2.26E-06	1.09E-07	3.26E-06	2.22E-07	4.03E-07	3.56E-08	6.60E-07	1.72E-07	2.24E-07	1.62E-08	4.12E-07
4028	565000	4222537	1.76E-06	2.15E-06	1.13E-07	4.03E-06	9.34E-07	2.36E-06	1.13E-07	3.41E-06	2.31E-07	4.21E-07	3.71E-08	6.89E-07	1.79E-07	2.34E-07	1.69E-08	4.30E-07
4029	564993.2	4222525	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.72E-07	2.45E-06	1.18E-07	3.54E-06	2.41E-07	4.37E-07	3.86E-08	7.17E-07	1.86E-07	2.44E-07	1.76E-08	4.47E-07
4030	564986.3	4222513	1.9E-06	2.32E-06	1.22E-07	4.34E-06	1.01E-06	2.54E-06	1.22E-07	3.67E-06	2.50E-07	4.53E-07	4.00E-08	7.43E-07	1.93E-07	2.52E-07	1.83E-08	4.64E-07
4031	564979.5	4222501	1.97E-06	2.4E-06	1.27E-07	4.49E-06	1.04E-06	2.63E-06	1.27E-07	3.80E-06	2.58E-07	4.69E-07	4.14E-08	7.68E-07	2.00E-07	2.61E-07	1.89E-08	4.80E-07
4032	564972.7	4222488	2.03E-06	2.47E-06	1.30E-07	4.63E-06	1.07E-06	2.71E-06	1.30E-07	3.92E-06	2.66E-07	4.83E-07	4.26E-08	7.92E-07	2.06E-07	2.69E-07	1.95E-08	4.94E-07
4033	564952.1	4222452	2.17E-06	2.65E-06	1.40E-07	4.96E-06	1.15E-06	2.91E-06	1.40E-07	4.20E-06	2.85E-07	5.18E-07	4.57E-08	8.48E-07	2.20E-07	2.88E-07	2.08E-08	5.30E-07
4034	565300.9	4222758	5.55E-07	6.78E-07	3.57E-08	1.27E-06	2.94E-07	7.44E-07	3.57E-08	1.07E-06	7.29E-08	1.32E-07	1.17E-08	2.17E-07	5.64E-08	7.38E-08	5.34E-09	1.36E-07
4035	565287.5	4222754	5.63E-07	6.88E-07	3.63E-08	1.29E-06	2.99E-07	7.54E-07	3.63E-08	1.09E-06	7.40E-08	1.34E-07	1.19E-08	2.20E-07	5.73E-08	7.48E-08	5.41E-09	1.38E-07
4036	565274.1	4222750	5.73E-07	7E-07	3.69E-08	1.31E-06	3.04E-07	7.67E-07	3.69E-08	1.11E-06	7.53E-08	1.37E-07	1.21E-08	2.24E-07	5.82E-08	7.61E-08	5.51E-09	1.40E-07
4037	565247.3	4222742	5.96E-07	7.28E-07	3.84E-08	1.36E-06	3.16E-07	7.98E-07	3.84E-08	1.15E-06	7.83E-08	1.42E-07	1.26E-08	2.33E-07	6.06E-08	7.92E-08	5.73E-09	1.45E-07
4038	565233.9	4222739	6.09E-07	7.44E-07	3.92E-08	1.39E-06	3.23E-07	8.15E-07	3.92E-08	1.18E-06	8.00E-08	1.45E-07	1.28E-08	2.38E-07	6.19E-08	8.09E-08	5.85E-09	1.49E-07
4039	565220.5	4222735	6.23E-07	7.61E-07	4.01E-08	1.42E-06	3.30E-07	8.34E-07	4.01E-08	1.20E-06	8.18E-08	1.49E-07	1.31E-08	2.44E-07	6.33E-08	8.28E-08	5.99E-09	1.52E-07
4040	565207.1	4222731	6.38E-07	7.79E-07	4.10E-08	1.46E-06	3.38E-07	8.54E-07	4.10E-08	1.23E-06	8.37E-08	1.52E-07	1.34E-08	2.49E-07	6.48E-08	8.47E-08	6.13E-09	1.56E-07
4041	565193.7	4222727	6.53E-07	7.98E-07	4.20E-08	1.49E-06	3.46E-07	8.75E-07	4.20E-08	1.26E-06	8.58E-08	1.56E-07	1.38E-08	2.55E-07	6.64E-08	8.68E-08	6.28E-09	1.59E-07
4042	565180.3	4222723	6.7E-07	8.18E-07	4.31E-08	1.53E-06	3.55E-07	8.97E-07	4.31E-08	1.29E-06	8.79E-08	1.60E-07	1.41E-08	2.62E-07	6.80E-08	8.90E-08	6.43E-09	1.63E-07
4043	565166.9	4222720	6.87E-07	8.39E-07	4.42E-08	1.57E-06	3.64E-07	9.19E-07	4.42E-08	1.33E-06	9.02E-08	1.64E-07	1.45E-08	2.68E-07	6.98E-08	9.12E-08	6.60E-09	1.68E-07
4044	565153.5	4222716	7.04E-07	8.6E-07	4.53E-08	1.61E-06	3.73E-07	9.43E-07	4.53E-08	1.36E-06	9.25E-08	1.68E-07	1.48E-08	2.75E-07	7.15E-08	9.35E-08	6.76E-09	1.72E-07
4045	565140	4222712	7.22E-07	8.82E-07	4.65E-08	1.65E-06	3.83E-07	9.66E-07	4.65E-08	1.40E-06	9.48E-08	1.72E-07	1.52E-08	2.82E-07	7.34E-08	9.59E-08	6.94E-09	1.76E-07
4046	565126.6	4222708	7.4E-07	9.04E-07	4.76E-08	1.69E-06	3.92E-07	9.90E-07	4.76E-08	1.43E-06	9.72E-08	1.77E-07	1.56E-08	2.89E-07	7.52E-08	9.83E-08	7.11E-09	1.81E-07
4047	565113.2	4222704	7.58E-07	9.25E-07	4.88E-08	1.73E-06	4.02E-07	1.01E-06	4.88E-08	1.47E-06	9.95E-08	1.81E-07	1.60E-08	2.96E-07	7.70E-08	1.01E-07	7.28E-09	1.85E-07
4048	565099.8	4222701	7.75E-07	9.47E-07	4.99E-08	1.77E-06	4.11E-07	1.04E-06	4.99E-08	1.50E-06	1.02E-07	1.85E-07	1.63E-08	3.03E-07	7.88E-08	1.03E-07	7.45E-09	1.89E-07
4049	565086.4	4222697	7.93E-07	9.68E-07	5.10E-08	1.81E-06	4.20E-07	1.06E-06	5.10E-08	1.53E-06	1.04E-07	1.89E-07	1.67E-08	3.10E-07	8.06E-08	1.05E-07	7.62E-09	1.94E-07
4050	565073	4222693	8.1E-07	9.89E-07	5.21E-08	1.85E-06	4.29E-07	1.08E-06	5.21E-08	1.57E-06	1.06E-07	1.93E-07	1.71E-08	3.17E-07	8.23E-08	1.08E-07	7.78E-09	1.98E-07
4051	565062.9	4222685	8.46E-07	1.03E-06	5.45E-08	1.93E-06	4.49E-07	1.13E-06	5.45E-08	1.64E-06	1.11E-07	2.02E-07	1.78E-08	3.31E-07	8.60E-08	1.12E-07	8.13E-09	2.07E-07
4052	565056	4222673	9.05E-07	1.11E-06	5.83E-08	2.07E-06	4.80E-07	1.21E-06	5.83E-08	1.75E-06	1.19E-07	2.16E-07	1.91E-08	3.54E-07	9.20E-08	1.20E-07	8.70E-09	2.21E-07
4053	565049.1	4222661	9.68E-07	1.18E-06	6.23E-08	2.21E-06	5.13E-07	1.30E-06	6.23E-08	1.87E-06	1.27E-07	2.31E-07	2.04E-08	3.78E-07	9.84E-08	1.29E-07	9.30E-09	2.36E-07
4054	565028.5	4222625	1.17E-06	1.43E-06	7.55E-08	2.68E-06	6.22E-07	1.57E-06	7.55E-08	2.27E-06	1.54E-07	2.80E-07	2.47E-08	4.58E-07	1.19E-07	1.56E-07	1.13E-08	2.86E-07
4055	565021.7	4222612	1.24E-06	1.52E-06	8.01E-08	2.84E-06	6.60E-07	1.67E-06	8.01E-08	2.41E-06	1.63E-07	2.97E-07	2.62E-08	4.87E-07	1.26E-07	1.65E-07	1.20E-08	3.04E-07
4056	565014.8	4222600	1.32E-06	1.61E-06	8.48E-08	3.01E-06	6.98E-07	1.76E-06	8.48E-08	2.55E-06	1.73E-07	3.14E-07	2.77E-08	5.15E-07	1.34E-07	1.75E-07	1.27E-08	3.21E-07
4057	565007.9	4222588	1.39E-06	1.7E-06	8.94E-08	3.17E-06	7.36E-07	1.86E-06	8.94E-08	2.69E-06	1.82E-07	3.31E-07	2.93E-08	5.43E-07	1.41E-07	1.85E-07	1.33E-08	3.39E-07
4058	565001	4222576	1.46E-06	1.78E-06	9.40E-08	3.34E-06	7.74E-07	1.96E-06	9.40E-08	2.82E-06	1.92E-07	3.48E-07	3.08E-08	5.71E-07	1.48E-07	1.94E-07	1.40E-08	3.56E-07
4059	564994.2	4222564	1.53E-06	1.87E-06	9.86E-08	3.50E-06	8.12E-07	2.05E-06	9.86E-08	2.96E-06	2.01E-07	3.66E-07	3.23E-08	5.99E-07	1.56E-07	2.04E-07	1.47E-08	3.74E-07
4060	564987.3	4222552	1.6E-06	1.96E-06	1.03E-07	3.66E-06	8.49E-07	2.14E-06	1.03E-07	3.10E-06	2.10E-07	3.82E-07	3.37E-08	6.26E-07	1.63E-07	2.13E-07	1.54E-08	3.91E-07
4061	564980.4	4222540	1.67E-06	2.04E-06	1.07E-07	3.81E-06	8.85E-07	2.23E-06	1.07E-07	3.23E-06	2.19E-07	3.98E-07	3.51E-08	6.53E-07	1.70E-07	2.22E-07	1.60E-08	4.07E-07
4062	564973.6	4222528	1.73E-06	2.12E-06	1.12E-07	3.96E-06	9.19E-07	2.32E-06	1.12E-07	3.35E-06	2.28E-07	4.13E-07	3.65E-08	6.78E-07	1.76E-07	2.30E-07	1.67E-08	4.23E-07
4063	564966.7	4222515	1.79E-06	2.19E-06	1.16E-07	4.10E-06	9.51E-07	2.40E-06	1.16E-07	3.47E-06	2.36E-07	4.28E-07	3.78E-08	7.02E-07	1.82E-07	2.38E-07	1.72E-08	4.38E-07
4064	564959.8	4222503	1.85E-06	2.26E-06	1.19E-07	4.23E-06	9.82E-07	2.48E-06	1.19E-07	3.58E-06	2.43E-07	4.42E-07	3.90E-08	7.24E-07	1.88E-07	2.46E-07	1.78E-08	4.52E-07
4065	564939.2	4222467	2E-06	2.44E-06	1.28E-07	4.56E-06	1.06E-06	2.67E-06	1.28E-07	3.86E-06	2.62E-07	4.76E-07	4.20E-08	7.80E-07	2.03E-07	2.65E-07	1.92E-08	4.87E-07
4066	564932.3	4222455	2.03E-06	2.48E-06	1.31E-07	4.65E-06	1.08E-06	2.72E-06	1.31E-07	3.93E-06	2.67E-07	4.85E-07	4.28E-08	7.95E-07	2.07E-07	2.70E-07	1.95E-08	4.96E-07
4067	565303	4222777	5.07E-07	6.2E-07	3.27E-08	1.16E-06	2.69E-07	6.79E-07	3.27E-08	9.81E-07	6.66E-08	1.21E-07	1.07E-08	1.98E-07	5.16E-08	6.74E-08	4.87E-09	1.24E-07

4068	565289.5	4222774	5.14E-07	6.28E-07	3.31E-08	1.17E-06	2.72E-07	6.88E-07	3.31E-08	9.94E-07	6.75E-08	1.23E-07	1.08E-08	2.01E-07	5.22E-08	6.83E-08	4.94E-09	1.25E-07
4069	565276.1	4222770	5.22E-07	6.37E-07	3.36E-08	1.19E-06	2.77E-07	6.99E-07	3.36E-08	1.01E-06	6.85E-08	1.24E-07	1.10E-08	2.04E-07	5.30E-08	6.93E-08	5.01E-09	1.27E-07
4070	565087.6	4222716	7.1E-07	8.67E-07	4.57E-08	1.62E-06	3.76E-07	9.51E-07	4.57E-08	1.37E-06	9.32E-08	1.69E-07	1.50E-08	2.78E-07	7.22E-08	9.43E-08	6.82E-09	1.73E-07
4071	565074.2	4222713	7.26E-07	8.86E-07	4.67E-08	1.66E-06	3.85E-07	9.72E-07	4.67E-08	1.40E-06	9.53E-08	1.73E-07	1.53E-08	2.84E-07	7.38E-08	9.64E-08	6.97E-09	1.77E-07
4072	565060.7	4222709	7.41E-07	9.05E-07	4.77E-08	1.69E-06	3.93E-07	9.92E-07	4.77E-08	1.43E-06	9.73E-08	1.77E-07	1.56E-08	2.90E-07	7.53E-08	9.85E-08	7.12E-09	1.81E-07
4073	565050.5	4222701	7.74E-07	9.45E-07	4.98E-08	1.77E-06	4.10E-07	1.04E-06	4.98E-08	1.50E-06	1.02E-07	1.85E-07	1.63E-08	3.03E-07	7.86E-08	1.03E-07	7.43E-09	1.89E-07
4074	565029.8	4222664	9.41E-07	1.15E-06	6.06E-08	2.15E-06	4.99E-07	1.26E-06	6.06E-08	1.82E-06	1.24E-07	2.25E-07	1.98E-08	3.68E-07	9.56E-08	1.25E-07	9.04E-09	2.30E-07
4075	565022.9	4222652	1E-06	1.22E-06	6.45E-08	2.29E-06	5.31E-07	1.34E-06	6.45E-08	1.94E-06	1.32E-07	2.39E-07	2.11E-08	3.92E-07	1.02E-07	1.33E-07	9.63E-09	2.45E-07
4076	565009.1	4222628	1.13E-06	1.38E-06	7.28E-08	2.58E-06	6.00E-07	1.51E-06	7.28E-08	2.19E-06	1.49E-07	2.70E-07	2.38E-08	4.42E-07	1.15E-07	1.50E-07	1.09E-08	2.76E-07
4077	565002.2	4222616	1.2E-06	1.46E-06	7.70E-08	2.74E-06	6.35E-07	1.60E-06	7.70E-08	2.31E-06	1.57E-07	2.86E-07	2.52E-08	4.68E-07	1.22E-07	1.59E-07	1.15E-08	2.92E-07
4078	564995.3	4222603	1.26E-06	1.54E-06	8.13E-08	2.89E-06	6.70E-07	1.69E-06	8.13E-08	2.44E-06	1.66E-07	3.01E-07	2.66E-08	4.94E-07	1.28E-07	1.68E-07	1.21E-08	3.08E-07
4079	564988.4	4222591	1.33E-06	1.62E-06	8.56E-08	3.04E-06	7.05E-07	1.78E-06	8.56E-08	2.57E-06	1.75E-07	3.17E-07	2.80E-08	5.20E-07	1.35E-07	1.77E-07	1.28E-08	3.24E-07
4080	564981.5	4222579	1.39E-06	1.7E-06	8.98E-08	3.19E-06	7.39E-07	1.87E-06	8.98E-08	2.70E-06	1.83E-07	3.33E-07	2.94E-08	5.45E-07	1.42E-07	1.85E-07	1.34E-08	3.40E-07
4081	564974.6	4222567	1.46E-06	1.78E-06	9.39E-08	3.34E-06	7.74E-07	1.95E-06	9.39E-08	2.82E-06	1.92E-07	3.48E-07	3.07E-08	5.70E-07	1.48E-07	1.94E-07	1.40E-08	3.56E-07
4082	564967.7	4222555	1.52E-06	1.86E-06	9.80E-08	3.48E-06	8.07E-07	2.04E-06	9.80E-08	2.94E-06	2.00E-07	3.63E-07	3.21E-08	5.95E-07	1.55E-07	2.02E-07	1.46E-08	3.72E-07
4083	564960.8	4222543	1.58E-06	1.93E-06	1.02E-07	3.62E-06	8.39E-07	2.12E-06	1.02E-07	3.06E-06	2.08E-07	3.78E-07	3.33E-08	6.19E-07	1.61E-07	2.10E-07	1.52E-08	3.86E-07
4084	564953.9	4222530	1.64E-06	2.01E-06	1.06E-07	3.75E-06	8.70E-07	2.20E-06	1.06E-07	3.17E-06	2.16E-07	3.92E-07	3.46E-08	6.42E-07	1.67E-07	2.18E-07	1.58E-08	4.01E-07
4085	564947	4222518	1.7E-06	2.07E-06	1.09E-07	3.88E-06	9.00E-07	2.27E-06	1.09E-07	3.28E-06	2.23E-07	4.05E-07	3.57E-08	6.63E-07	1.72E-07	2.25E-07	1.63E-08	4.14E-07
4086	564940.1	4222506	1.75E-06	2.14E-06	1.13E-07	4.00E-06	9.27E-07	2.34E-06	1.13E-07	3.38E-06	2.30E-07	4.17E-07	3.68E-08	6.83E-07	1.78E-07	2.32E-07	1.68E-08	4.27E-07
4087	564919.4	4222470	1.88E-06	2.29E-06	1.21E-07	4.29E-06	9.95E-07	2.51E-06	1.21E-07	3.63E-06	2.46E-07	4.48E-07	3.95E-08	7.34E-07	1.91E-07	2.49E-07	1.80E-08	4.58E-07
4088	564912.5	4222457	1.91E-06	2.33E-06	1.23E-07	4.36E-06	1.01E-06	2.56E-06	1.23E-07	3.69E-06	2.51E-07	4.56E-07	4.02E-08	7.46E-07	1.94E-07	2.54E-07	1.83E-08	4.66E-07
4089	565305.1	4222797	4.66E-07	5.69E-07	3.00E-08	1.07E-06	2.47E-07	6.24E-07	3.00E-08	9.01E-07	6.12E-08	1.11E-07	9.82E-09	1.82E-07	4.74E-08	6.19E-08	4.48E-09	1.14E-07
4090	565291.6	4222793	4.72E-07	5.76E-07	3.03E-08	1.08E-06	2.50E-07	6.31E-07	3.03E-08	9.12E-07	6.19E-08	1.12E-07	9.93E-09	1.84E-07	4.79E-08	6.26E-08	4.53E-09	1.15E-07
4091	565278.1	4222790	4.78E-07	5.84E-07	3.08E-08	1.09E-06	2.53E-07	6.40E-07	3.08E-08	9.24E-07	6.28E-08	1.14E-07	1.01E-08	1.87E-07	4.86E-08	6.35E-08	4.59E-09	1.17E-07
4092	565251.1	4222782	4.94E-07	6.03E-07	3.18E-08	1.13E-06	2.62E-07	6.61E-07	3.18E-08	9.54E-07	6.48E-08	1.18E-07	1.04E-08	1.93E-07	5.02E-08	6.56E-08	4.74E-09	1.20E-07
4093	565237.5	4222778	5.03E-07	6.14E-07	3.23E-08	1.15E-06	2.66E-07	6.73E-07	3.23E-08	9.72E-07	6.60E-08	1.20E-07	1.06E-08	1.96E-07	5.11E-08	6.68E-08	4.83E-09	1.23E-07
4094	565224	4222774	5.12E-07	6.26E-07	3.30E-08	1.17E-06	2.72E-07	6.86E-07	3.30E-08	9.90E-07	6.73E-08	1.22E-07	1.08E-08	2.00E-07	5.20E-08	6.80E-08	4.92E-09	1.25E-07
4095	565210.5	4222770	5.22E-07	6.38E-07	3.36E-08	1.19E-06	2.77E-07	6.99E-07	3.36E-08	1.01E-06	6.86E-08	1.25E-07	1.10E-08	2.04E-07	5.31E-08	6.94E-08	5.02E-09	1.28E-07
4096	565197	4222767	5.33E-07	6.51E-07	3.43E-08	1.22E-06	2.83E-07	7.14E-07	3.43E-08	1.03E-06	7.00E-08	1.27E-07	1.12E-08	2.08E-07	5.42E-08	7.08E-08	5.12E-09	1.30E-07
4097	565183.5	4222763	5.45E-07	6.65E-07	3.51E-08	1.25E-06	2.89E-07	7.29E-07	3.51E-08	1.05E-06	7.15E-08	1.30E-07	1.15E-08	2.13E-07	5.54E-08	7.24E-08	5.23E-09	1.33E-07
4098	565170	4222759	5.57E-07	6.8E-07	3.58E-08	1.27E-06	2.95E-07	7.45E-07	3.58E-08	1.08E-06	7.31E-08	1.33E-07	1.17E-08	2.18E-07	5.66E-08	7.40E-08	5.35E-09	1.36E-07
4099	565156.5	4222755	5.69E-07	6.95E-07	3.66E-08	1.30E-06	3.02E-07	7.62E-07	3.66E-08	1.10E-06	7.48E-08	1.36E-07	1.20E-08	2.23E-07	5.79E-08	7.56E-08	5.47E-09	1.39E-07
4100	565143	4222751	5.83E-07	7.11E-07	3.75E-08	1.33E-06	3.09E-07	7.80E-07	3.75E-08	1.13E-06	7.65E-08	1.39E-07	1.23E-08	2.28E-07	5.92E-08	7.74E-08	5.60E-09	1.42E-07
4101	565129.5	4222747	5.96E-07	7.28E-07	3.84E-08	1.36E-06	3.16E-07	7.98E-07	3.84E-08	1.15E-06	7.83E-08	1.42E-07	1.26E-08	2.33E-07	6.06E-08	7.92E-08	5.73E-09	1.45E-07
4102	565115.9	4222744	6.1E-07	7.45E-07	3.93E-08	1.39E-06	3.23E-07	8.17E-07	3.93E-08	1.18E-06	8.01E-08	1.46E-07	1.28E-08	2.39E-07	6.20E-08	8.10E-08	5.86E-09	1.49E-07
4103	565102.4	4222740	6.24E-07	7.62E-07	4.02E-08	1.43E-06	3.31E-07	8.36E-07	4.02E-08	1.21E-06	8.20E-08	1.49E-07	1.31E-08	2.44E-07	6.34E-08	8.29E-08	6.00E-09	1.52E-07
4104	565088.9	4222736	6.38E-07	7.8E-07	4.11E-08	1.46E-06	3.39E-07	8.55E-07	4.11E-08	1.23E-06	8.39E-08	1.52E-07	1.34E-08	2.50E-07	6.49E-08	8.48E-08	6.13E-09	1.56E-07
4105	565075.4	4222732	6.53E-07	7.97E-07	4.20E-08	1.49E-06	3.46E-07	8.74E-07	4.20E-08	1.26E-06	8.57E-08	1.56E-07	1.37E-08	2.55E-07	6.63E-08	8.67E-08	6.27E-09	1.59E-07
4106	565061.9	4222728	6.67E-07	8.15E-07	4.29E-08	1.52E-06	3.54E-07	8.93E-07	4.29E-08	1.29E-06	8.76E-08	1.59E-07	1.40E-08	2.61E-07	6.78E-08	8.86E-08	6.41E-09	1.63E-07
4107	565031.2	4222704	7.57E-07	9.25E-07	4.88E-08	1.73E-06	4.02E-07	1.01E-06	4.88E-08	1.46E-06	9.95E-08	1.81E-07	1.60E-08	2.96E-07	7.70E-08	1.01E-07	7.28E-09	1.85E-07
4108	565024.3	4222692	8.07E-07	9.86E-07	5.20E-08	1.85E-06	4.28E-07	1.08E-06	5.20E-08	1.56E-06	1.06E-07	1.93E-07	1.70E-08	3.16E-07	8.20E-08	1.07E-07	7.76E-09	1.97E-07
4109	565017.4	4222680	8.6E-07	1.05E-06	5.54E-08	1.97E-06	4.56E-07	1.15E-06	5.54E-08	1.66E-06	1.13E-07	2.05E-07	1.81E-08	3.36E-07	8.74E-08	1.14E-07	8.26E-09	2.10E-07
4110	565010.5	4222668	9.15E-07	1.12E-06	5.89E-08	2.09E-06	4.85E-07	1.23E-06	5.89E-08	1.77E-06	1.20E-07	2.18E-07	1.93E-08	3.58E-07	9.30E-08	1.22E-07	8.79E-09	2.23E-07
4111	565003.5	4222655	9.72E-07	1.19E-06	6.26E-08	2.22E-06	5.16E-07	1.30E-06	6.26E-08	1.88E-06	1.28E-07	2.32E-07	2.05E-08	3.80E-07	9.88E-08	1.29E-07	9.34E-09	2.37E-07
4112	564989.7	4222631	1.09E-06	1.33E-06	7.03E-08	2.49E-06	5.79E-07	1.46E-06	7.03E-08	2.11E-06	1.43E-07	2.60E-07	2.30E-08	4.27E-07	1.11E-07	1.45E-07	1.05E-08	2.66E-07
4113	564982.8	4222619	1.15E-06	1.41E-06	7.42E-08	2.63E-06	6.11E-07	1.54E-06	7.42E-08	2.23E-06	1.51E-07	2.75E-07	2.43E-08	4.51E-07	1.17E-07	1.53E-07	1.11E-08	2.81E-07
4114	564975.8	4222607	1.21E-06	1.48E-06	7.81E-08	2.77E-06	6.43E-07	1.62E-06	7.81E-08	2.35E-06	1.59E-07	2.90E-07	2.56E-08	4.75E-07	1.23E-07	1.61E-07	1.17E-08	2.96E-07
4115	564968.9	4222594	1.27E-06	1.56E-06	8.20E-08	2.91E-06	6.75E-07	1.71E-06	8.20E-08	2.46E-06	1.67E-07	3.04E-07	2.68E-08	4.98E-07	1.29E-07	1.69E-07	1.22E-08	3.11E-07
4116	564962	4222582	1.33E-06	1.63E-06	8.58E-08	3.05E-06	7.07E-07	1.78E-06	8.58E-08	2.58E-06	1.75E-07	3.18E-07	2.81E-08	5.21E-07	1.35E-07	1.77E-07	1.28E-08	3.25E-07
4117	564955.1	4222570	1.39E-06	1.7E-06	8.96E-08	3.18E-06	7.38E-07	1.86E-06	8.96E-08	2.69E-06	1.83E-07	3.32E-07	2.93E-08	5.44E-07	1.41E-07	1.85E-07	1.34E-08	3.40E-07
4118	564948.1	4222558	1.45E-06	1.77E-06	9.33E-08	3.31E-06	7.68E-07	1.94E-06	9.33E-08	2.80E-06	1.90E-07	3.46E-07	3.05E-08	5.67E-07	1.47E-07	1.92E-07	1.39E-08	3.54E-07
4119	564941.2	4222546	1.5E-06	1.84E-06	9.68E-08	3.44E-06	7.97E-07	2.01E-06	9.68E-08	2.91E-06	1.98E-07	3.59E-07	3.17E-08	5.88E-07	1.53E-07	2.00E-07	1.44E-08	3.67E-07
4120	564934.3	4222533	1.56E-06	1.9E-06	1.00E-07	3.56E-06	8.25E-07	2.08E-06	1.00E-07	3.01E-06	2.04E-07	3.71E-07	3.28E-08	6.09E-07	1.58E-07	2.07E-07	1.50E-08	3.80E-07
4121	564927.4	4222521	1.61E-06	1.96E-06	1.03E-07	3.67E-06	8.52E-07	2.15E-06	1.03E-07	3.11E-06	2.11E-07	3.83E-07	3.38E-08	6.28E-07	1.63E-07	2.13E-07	1.54E-08	3.92E-07
4122	564920.4	4222509	1.65E-06	2.02E-06	1.06E-07	3.78E-06	8.76E-07	2.21E-06	1.06E-07	3.20E-06	2.17E-07	3.94E-07	3.48E-08	6.46E-07	1.68E-07	2.20E-07	1.59E-08	4.03E-07
4123	564906.6	4222484	1.73E-06	2.12E-06	1.12E-07	3.96E-06	9.19E-07	2.32E-06	1.12E-07	3.35E-06	2.28E-07	4.14E-07	3.65E-08	6.78E-07	1.76E-07	2.30E-07	1.67E-08	4.23E-07
4124	564899.7	4222472	1.77E-06	2.16E-06	1.14E-07	4.04E-06	9.37E-07	2.37E-06	1.14E-07	3.42E-06	2.32E-07	4.22E-07	3.72E-08	6.91E-07	1.80E-07	2.35E-07	1.70E-08	4.31E-07
4125	564892.7	4222460	1.8E-06	2.2E-06	1.16E-07	4.11E-06	9.53E-07	2.41E-06	1.16E-07	3.47E-06	2.36E-07	4.29E-07	3.79E-08	7.03E-07	1.83E-07	2.39E-07	1.73E-08	4.39E-07
4126	565307.2	4222817	4.3E-07	5.25E-07	2.77E-08	9.83E-07	2.28E-07	5.76E-07	2.77E-08	8.32E-07	5.65E-08	1.03E-07	9.06E-09	1.68E-07	4.37E-08	5.71E-08	4.13E-09	1.05E-07
4127	565293.7	4222813	4.35E-07	5.31E-07	2.80E-08	9.94E-07	2.31E-07	5.82E-07	2.80E-08	8.41E-07	5.71E-08	1.04E-07	9.16E-09	1.70E-07	4.42E-08	5.78E-08	4.18E-09	1.06E-07
4128	565280.1	4222809	4.4E-07	5.38E-07	2.83E-08	1.01E-06	2.33E-07	5.89E-07	2.83E-08	8.51E-07	5.78E-08	1.05E-07	9.27E-09	1.72E-07	4.47E-08	5.85E-08	4.23E-09	1.07E-07
4129	565253	4222802	4.53E-07	5.54E-07	2.92E-08	1.04E-06	2.40E-07	6.07E-07	2.92E-08	8.76E-07	5.95E-08	1.08E-07	9.55E-09	1.77E-07	4.61E-08	6.02E-08	4.36E-09	1.11E-07
4130	565239.4	4222798	4.61E-07	5.63E-07	2.97E-08	1.05E-06	2.44E-07	6.17E-07	2.97E-08	8.91E-07	6.05E-08	1.10E-07	9.70E-09	1.80E-07	4.68E-08	6.12E-08	4.43E-09	1.12E-07
4131	565225.9	4222794	4.69E-07	5.73E-07	3.02E-08	1.07E-06	2.49E-07	6.28E-07	3.02E-08	9.06E-07	6.16E-08	1.12E-07	9.87E-09	1.83E-07	4.76E-08	6.23E-08	4.50E-09	1.14E-07
4132	565212.3	4222790	4.77E-07	5.83E-07	3.07E-08	1.09E-06	2.53E-07	6.39E-07	3.07E-08	9.23E-07	6.27E-08	1.14E-07	1.01E-08	1.87E-07	4.85E-08	6.34E-08	4.59E-09	1.17E-07
4133	565198.8	4222786	4.86E-07	5.94E-07	3.13E-08	1.11E-06	2.58E-07	6.51E-07	3.13E-08	9.41E-07	6.39E-08	1.16E-07	1.02E-08	1.90E-07	4.94E-08	6.46E-08	4.67E-09	1.19E-07
4134	565185.2	4222782	4.96E-07	6.06E-07	3.19E-08	1.13E-06	2.63E-07	6.64E-07	3.19E-08	9.59E-07	6.52E-08	1.18E-07	1.04E-08	1.94E-07	5.04E-08	6.59E-08	4.77E-09	1.21E-07
4135	565171.6	4222779	5.06E-07	6.18E-07	3.26E-08	1.16E-06	2.68E-07	6.78E-07	3.26E-08	9.79E-07	6.65E-08	1.21E-07	1.07E-08	1.98E-07	5.15E-08	6.73E-08	4.86E-09	1.24E-07
4136	565158.1	4222775	5.17E-07	6.31E-07	3.33E-08	1.18E-06	2.74E-07	6.92E-07	3.33E-08	1.00E-06	6.79E-08	1.23E-07	1.09E-08	2.02E-07	5.25E-08	6.87E-08	4.97E-09	1.26E-07
4137	565144.5	4222771	5.28E-07	6.45E-07	3.40E-08	1.21E-06	2.80E-07	7.07E-07	3.40E-08	1.02E-06	6.94E-08	1.26E-07	1.11E-08	2.07E-07	5.37E-08	7.02E-08	5.07E-09	1.29E-07
4138	565131	4222767	5.4E-07	6.59E-07	3.47E-08	1.23E-06	2.86E-07	7.23E-07	3.47E-08	1.04E-06	7.09E-08	1.29E-07	1.14E-08	2.11E-07	5.49E-08	7.17E-08	5.19E-09	1.32E-07
4139	565117.4	4222763	5.52E-07	6.74E-07	3.55E-08	1.26E-06	2.93E-07	7.39E-07	3.55E-08	1.07E-06	7.25E-08	1.32E-07	1.16E-08	2.16E-07	5.61E-08	7.33E-08	5.30E-09	1.35E-07
4140	565103.8	4222759	5.64E-07	6.89E-07	3.63E-08	1.29E-06	2.99E-07	7.55E-07	3.63E-08	1.09E-06	7.41E-08	1.35E-07	1.19E-08	2.21E-07	5.73E-08	7.50E-08	5.42E-09	1.38E-07
4141	565090.3	4222756	5.77E-07	7.05E-07	3.71E-08	1.32E-06	3.06E-07	7.72E-07	3.71E-08	1.12E-06	7.58E-08	1.38E-07	1.22E-08	2.26E-07	5.86E-08	7.66E-08	5.54E-09	1.41E-07
4142	565076.7	4222752	5.9E-07	7.2E-07	3.80E-08	1.35E-06	3.13E-07	7.90E-07	3.80E-08	1.14E-06	7.74E-08	1.41E-07	1.24E-08	2.31E-07	5.99E-08	7.83E-08	5.67E-09	1.44E-07
4143	565063.2	4222748	6.03E-07	7.36E-07	3.88E-08	1.38E-06	3.20E-07	8.07E-07	3.88E-08	1.17E-06	7.91E-08	1.44E-07	1.27E-08	2.36E-07	6.12E-08	8.01E-08	5.79E-09	1.47E-07
4144	565049.6	4222744	6.15E-07	7.52E-07	3.96E-08	1.41E-06	3.26E-07	8.24E-07	3.96E-08	1.19E-06	8.08E-08	1.47E-07	1.30E-08	2.41E-07	6.25E-08	8.18E-08	5.91E-09	1.50E-07
4145	565025.8	4222732	6.55E-07	8E-07	4.21E-08	1.50E-06	3.47E-07	8.76E-07	4.21E-08	1.27E-06	8.60E-08	1.56E-07	1.38E-08	2.56E-07	6.65E-08	8.70E-08	6.29E-09	1.60E-07
4146	565018.9	4222720	6.97E-07	8.51E-07	4.48E-08	1.59E-06	3.69E-07	9.33E-07	4.48E-08	1.35E-06	9.15E-08	1.66E-07	1.47E-08	2.72E-07	7.08E-08	9.26E-08	6.69E-09	1.70E-07
4147	565011.9	4222708	7.41E-07	9.06E-07	4.77E-08	1.69E-06	3.93E-07	9.93E-07	4.77E-08	1.43E-06	9.74E-08	1.77E-07	1.56E-08	2.90E-07	7.54E-08	9.85E-08	7.12E-09	1.81E-07
4148	565005	4222695	7.89E-07	9.63E-07	5.08E-08	1.80E-06	4.18E-07	1.06E-06	5.08E-08	1.53E-06	1.04E-07	1.88E-07	1.66E-08	3.08E-07	8.02E-08	1.05E-07	7.58E-09	1.93E-07
4149	564998	4222683	8.38E-07	1.02E-06	5.40E-08	1.92E-06	4.45E-07	1.12E-06	5.40E-08	1.62E-06	1.10E-07	2.00E-07	1.77E-08	3.28E-07	8.52E-08	1.11E-07	8.06E-09	2.05E-07
4150	564991.1	4222671	8.9E-07	1.09E-06	5.73E-08	2.03E-06	4.72E-07	1.19E-06	5.73E-08	1.72E-06	1.17E-07	2.12E-07	1.87E-08	3.48E-07	9.05E-08	1.18E-07	8.55E-09	2.17E-07
4151	564984.1	4222659	9.44E-07	1.15E-06	6.07E-08	2.16E-06	5.00E-07	1.26E-06	6.07E-08	1.82E-06	1.24E-07	2.25E-07	1.99E-08	3.69E-07	9.59E-08	1.25E-07	9.07E-09	2.30E-07
4152	564970.2	4222634	1.05E-06	1.29E-06	6.78E-08	2.41E-06	5.59E-07	1.41E-06	6.78E-08	2.04E-06	1.38E-07	2.51E-07	2.22E-08	4.12E-07	1.07E-07	1.40E-07	1.01E-08	2.57E-07
4153	564963.3	4222622	1.11E-06	1.36E-06	7.15E-08	2.54E-06	5.89E-07	1.49E-06	7.15E-08	2.15E-06	1.46E-07	2.65E-07	2.34E-08	4.34E-07	1.13E-07	1.47E-07	1.07E-08	2.71E-07
4154	564956.3	4222610	1.17E-06	1.42E-06	7.51E-08	2.67E-06	6.18E-07	1.56E-06	7.51E-08	2.26E-06	1.53E-07	2.78E-07	2.46E-08	4.56E-07	1.19E-07	1.55E-07	1.12E-08	2.85E-07
4155	564949.4	4222597	1.22E-06	1.49E-06	7.86E-08	2.79E-06	6.48E-07	1.64E-06	7.86E-08	2.36E-06	1.60E-07	2.92E-07	2.57E-08	4.78E-07	1.24E-07	1.62E-07	1.17E-08	2.98E-07
4156	564942.4	4222585	1.28E-06	1.56E-06	8.22E-08	2.92E-06	6.77E-07	1.71E-06	8.22E-08	2.47E-06	1.68E-07	3.05E-07	2.69E-08	4.99E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07
4157	564935.5	4222573	1.33E-06	1.62E-06	8.56E-08	3.04E-06	7.05E-07	1.78E-06	8.56E-08	2.57E-06	1.75E-07	3.17E-07	2.80E-08	5.20E-07	1.35E-07	1.77E-07	1.28E-08	3.25E-07
4158	564928.5	4222561	1.38E-06	1.69E-06	8.89E-08	3.16E-06	7.33E-07	1.85E-06	8.89E-08	2.67E-06	1.81E-07	3.30E-07	2.91E-08	5.40E-07	1.40E-07	1.84E-07	1.33E-08	3.37E-07
4159	564921.6	4222548	1.43E-06	1.75E-06	9.21E-08	3.27E-06	7.59E-07	1.92E-06	9.21E-08	2.77E-06	1.88E-07	3.41E-07	3.01E-08	5.59E-07	1.45E-07	1.90E-07	1.37E-08	3.49E-07
4160	564914.6	4222536	1.48E-06	1.81E-06	9.51E-08	3.38E-06	7.84E-07	1.98E-06	9.51E-08	2.86E-06	1.94E-07	3.53E-07	3.11E-08	5.78E-07	1.50E-07	1.96E-07	1.42E-08	3.61E-07
4161	564907.7	4222524	1.52E-06	1.86E-06	9.80E-08	3.48E-06	8.07E-07	2.04E-06	9.80E-08	2.94E-06	2.00E-07	3.63E-07	3.21E-08	5.95E-07	1.55E-07	2.02E-07	1.46E-08	3.72E-07
4162	564886.8	4222487	1.64E-06	2E-06	1.05E-07	3.74E-06	8.69E-07	2.19E-06	1.05E-07	3.17E-06	2.15E-07	3.91E-07	3.45E-08	6.41E-07	1.66E-07	2.18E-07	1.57E-08	4.00E-07
4163	564879.9	4222475	1.67E-06	2.04E-06	1.07E-07	3.81E-06	8.85E-07	2.23E-06	1.07E-07	3.23E-06	2.19E-07	3.98E-07	3.52E-08	6.53E-07	1.70E-07	2.22E-07	1.60E-08	4.07E-07
4164	564872.9	4222463	1.7E-06	2.07E-06	1.09E-07	3.88E-06	9.00E-07	2.27E-06	1.09E-07	3.28E-06	2.23E-07	4.05E-07	3.57E-08	6.63E-07	1.72E-07	2.25E-07	1.63E-08	4.14E-07
4165	565309.3	4222837	3.99E-07	4.87E-07	2.57E-08	9.11E-07	2.11E-07	5.34E-07	2.57E-08	7.71E-07	5.23E-08	9.51E-08	8.39E-09	1.56E-07	4.05E-08	5.29E-08	3.83E-09	9.73E-08
4166	565295.7	4222833	4.02E-07	4.91E-07	2.59E-08	9.20E-07	2.13E-07	5.39E-07	2.59E-08	7.78E-07	5.28E-08	9.60E-08	8.47E-09	1.57E-07	4.09E-08	5.35E-08	3.87E-09	9.82E-08
4167	565282.1	4222829	4.07E-07	4.97E-07	2.62E-08	9.30E-07	2.16E-07	5.45E-07	2.62E-08	7.87E-07	5.34E-08	9.71E-08	8.57E-09	1.59E-07	4.14E-08	5.41E-08	3.91E-09	9.93E-08
4168	565254.9	4222821	4.18E-07	5.11E-07	2.69E-08	9.56E-07	2.22E-07	5.60E-07	2.69E-08	8.08E-07	5.49E-08	9.98E-08	8.81E-09	1.63E-07	4.25E-08	5.55E-08	4.02E-09	1.02E-07
4169	565241.3	4222818	4.25E-07	5.19E-07	2.73E-08	9.70E-07	2.25E-07	5.68E-07	2.73E-08	8.21E-07	5.58E-08	1.01E-07	8.94E-09	1.66E-07	4.31E-08	5.64E-08	4.08E-09	1.04E-07
4170	565227.7	4222814	4.31E-07	5.27E-07	2.78E-08	9.86E-07	2.29E-07	5.78E-07	2.78E-08	8.34E-07	5.67E-08	1.03E-07	9.09E-09	1.69E-07	4.38E-08	5.73E-08	4.15E-09	1.05E-07
4171	565214.1	4222810	4.39E-07	5.36E-07	2.82E-08	1.00E-06	2.33E-07	5.87E-07	2.82E-08	8.48E-07	5.76E-08	1.05E-07	9.24E-09	1.72E-07	4.46E-08	5.83E-08	4.21E-09	1.07E-07
4172	565200.5	4222806	4.46E-07	5.45E-07	2.87E-08	1.02E-06	2.37E-07	5.98E-07	2.87E-08	8.63E-07	5.86E-08	1.06E-07	9.40E-09	1.74E-07	4.54E-08	5.93E-08	4.29E-09	1.09E-07
4173	565186.9	4222802	4.54E-07	5.55E-07	2.93E-08	1.04E-06	2.41E-07	6.08E-07	2.93E-08	8.79E-07	5.97E-08	1.08E-07	9.57E-09	1.78E-07	4.62E-08	6.04E-08	4.37E-09	1.11E-07
4174	565173.3	4222798	4.63E-07	5.66E-07	2.98E-08	1.06E-06	2.46E-07	6.20E-07	2.98E-08	8.95E-07	6.08E-08	1.10E-07	9.75E-09	1.81E-07	4.71E-08	6.15E-08	4.45E-09	1.13E-07
4175	565159.7	4222794	4.72E-07	5.77E-07	3.04E-08	1.08E-06	2.50E-07	6.32E-07	3.04E-08	9.13E-07	6.20E-08	1.13E-07	9.94E-09	1.85E-07	4.80E-08	6.27E-08	4.54E-09	1.15E-07
4176	565146.1	4222791	4.82E-07	5.88E-07	3.10E-08	1.10E-06	2.55E-07	6.45E-07	3.10E-08	9.31E-07	6.33E-08	1.15E-07	1.01E-08	1.88E-07	4.90E-08	6.40E-08	4.63E-09	1.18E-07
4177	565132.5	4222787	4.92E-07	6E-07	3.16E-08	1.12E-06	2.61E-07	6.58E-07	3.16E-08	9.51E-07	6.46E-08	1.17E-07	1.04E-08	1.92E-07	5.00E-08	6.53E-08	4.72E-09	1.20E-07

4178	565118.9	4222783	5.02E-07	6.13E-07	3.23E-08	1.15E-06	2.66E-07	6.72E-07	3.23E-08	9.71E-07	6.59E-08	1.20E-07	1.06E-08	1.96E-07	5.10E-08	6.67E-08	4.82E-09	1.23E-07
4179	565105.3	4222779	5.13E-07	6.26E-07	3.30E-08	1.17E-06	2.72E-07	6.86E-07	3.30E-08	9.91E-07	6.73E-08	1.22E-07	1.08E-08	2.00E-07	5.21E-08	6.81E-08	4.93E-09	1.25E-07
4180	565091.7	4222775	5.24E-07	6.4E-07	3.37E-08	1.20E-06	2.78E-07	7.01E-07	3.37E-08	1.01E-06	6.88E-08	1.25E-07	1.10E-08	2.05E-07	5.32E-08	6.96E-08	5.03E-09	1.28E-07
4181	565078.1	4222771	5.35E-07	6.54E-07	3.44E-08	1.22E-06	2.84E-07	7.16E-07	3.44E-08	1.03E-06	7.03E-08	1.28E-07	1.13E-08	2.09E-07	5.44E-08	7.11E-08	5.14E-09	1.31E-07
4182	565064.5	4222768	5.47E-07	6.68E-07	3.52E-08	1.25E-06	2.90E-07	7.32E-07	3.52E-08	1.06E-06	7.18E-08	1.30E-07	1.15E-08	2.14E-07	5.56E-08	7.26E-08	5.25E-09	1.33E-07
4183	565050.9	4222764	5.58E-07	6.82E-07	3.59E-08	1.28E-06	2.96E-07	7.47E-07	3.59E-08	1.08E-06	7.33E-08	1.33E-07	1.18E-08	2.18E-07	5.67E-08	7.42E-08	5.36E-09	1.36E-07
4184	565023.7	4222756	5.82E-07	7.1E-07	3.74E-08	1.33E-06	3.08E-07	7.79E-07	3.74E-08	1.12E-06	7.64E-08	1.39E-07	1.22E-08	2.27E-07	5.91E-08	7.73E-08	5.59E-09	1.42E-07
4185	565013.5	4222748	6.05E-07	7.39E-07	3.90E-08	1.38E-06	3.21E-07	8.10E-07	3.90E-08	1.17E-06	7.95E-08	1.44E-07	1.27E-08	2.37E-07	6.15E-08	8.04E-08	5.82E-09	1.48E-07
4186	565006.5	4222736	6.43E-07	7.86E-07	4.14E-08	1.47E-06	3.41E-07	8.61E-07	4.14E-08	1.24E-06	8.45E-08	1.53E-07	1.35E-08	2.51E-07	6.54E-08	8.54E-08	6.18E-09	1.57E-07
4187	564999.5	4222723	6.83E-07	8.35E-07	4.40E-08	1.56E-06	3.62E-07	9.15E-07	4.40E-08	1.32E-06	8.98E-08	1.63E-07	1.44E-08	2.67E-07	6.95E-08	9.08E-08	6.57E-09	1.67E-07
4188	564992.5	4222711	7.26E-07	8.87E-07	4.67E-08	1.66E-06	3.85E-07	9.72E-07	4.67E-08	1.40E-06	9.54E-08	1.73E-07	1.53E-08	2.84E-07	7.38E-08	9.65E-08	6.98E-09	1.77E-07
4189	564985.6	4222699	7.71E-07	9.41E-07	4.96E-08	1.76E-06	4.09E-07	1.03E-06	4.96E-08	1.49E-06	1.01E-07	1.84E-07	1.62E-08	3.01E-07	7.83E-08	1.02E-07	7.41E-09	1.88E-07
4190	564978.6	4222686	8.18E-07	9.99E-07	5.26E-08	1.87E-06	4.34E-07	1.09E-06	5.26E-08	1.58E-06	1.07E-07	1.95E-07	1.72E-08	3.20E-07	8.31E-08	1.09E-07	7.86E-09	2.00E-07
4191	564971.6	4222674	8.66E-07	1.06E-06	5.58E-08	1.98E-06	4.59E-07	1.16E-06	5.58E-08	1.67E-06	1.14E-07	2.07E-07	1.82E-08	3.39E-07	8.80E-08	1.15E-07	8.32E-09	2.11E-07
4192	564964.7	4222662	9.16E-07	1.12E-06	5.90E-08	2.09E-06	4.86E-07	1.23E-06	5.90E-08	1.77E-06	1.20E-07	2.19E-07	1.93E-08	3.58E-07	9.31E-08	1.22E-07	8.80E-09	2.24E-07
4193	564950.7	4222637	1.02E-06	1.24E-06	6.56E-08	2.33E-06	5.40E-07	1.36E-06	6.56E-08	1.97E-06	1.34E-07	2.43E-07	2.15E-08	3.98E-07	1.04E-07	1.35E-07	9.79E-09	2.49E-07
4194	564943.7	4222625	1.07E-06	1.31E-06	6.89E-08	2.45E-06	5.68E-07	1.43E-06	6.89E-08	2.07E-06	1.41E-07	2.55E-07	2.25E-08	4.19E-07	1.09E-07	1.42E-07	1.03E-08	2.61E-07
4195	564936.8	4222613	1.12E-06	1.37E-06	7.22E-08	2.56E-06	5.95E-07	1.50E-06	7.22E-08	2.17E-06	1.47E-07	2.68E-07	2.36E-08	4.39E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
4196	564929.8	4222600	1.17E-06	1.43E-06	7.55E-08	2.68E-06	6.22E-07	1.57E-06	7.55E-08	2.27E-06	1.54E-07	2.80E-07	2.47E-08	4.59E-07	1.19E-07	1.56E-07	1.13E-08	2.86E-07
4197	564922.8	4222588	1.22E-06	1.49E-06	7.87E-08	2.80E-06	6.49E-07	1.64E-06	7.87E-08	2.37E-06	1.61E-07	2.92E-07	2.58E-08	4.78E-07	1.24E-07	1.63E-07	1.18E-08	2.99E-07
4198	564915.9	4222576	1.27E-06	1.55E-06	8.19E-08	2.91E-06	6.75E-07	1.70E-06	8.19E-08	2.46E-06	1.67E-07	3.04E-07	2.68E-08	4.97E-07	1.29E-07	1.69E-07	1.22E-08	3.11E-07
4199	564908.9	4222564	1.32E-06	1.61E-06	8.49E-08	3.01E-06	6.99E-07	1.77E-06	8.49E-08	2.55E-06	1.73E-07	3.15E-07	2.78E-08	5.16E-07	1.34E-07	1.75E-07	1.27E-08	3.22E-07
4200	564901.9	4222551	1.36E-06	1.66E-06	8.77E-08	3.12E-06	7.23E-07	1.83E-06	8.77E-08	2.64E-06	1.79E-07	3.25E-07	2.87E-08	5.33E-07	1.39E-07	1.81E-07	1.31E-08	3.33E-07
4201	564867.1	4222490	1.55E-06	1.89E-06	9.98E-08	3.54E-06	8.22E-07	2.08E-06	9.98E-08	3.00E-06	2.04E-07	3.70E-07	3.26E-08	6.06E-07	1.58E-07	2.06E-07	1.49E-08	3.78E-07
4202	564860.1	4222477	1.58E-06	1.93E-06	1.02E-07	3.61E-06	8.37E-07	2.11E-06	1.02E-07	3.05E-06	2.07E-07	3.77E-07	3.32E-08	6.17E-07	1.60E-07	2.10E-07	1.52E-08	3.85E-07
4203	564853.1	4222465	1.6E-06	1.96E-06	1.03E-07	3.67E-06	8.50E-07	2.15E-06	1.03E-07	3.10E-06	2.11E-07	3.83E-07	3.38E-08	6.27E-07	1.63E-07	2.13E-07	1.54E-08	3.91E-07
4204	565311.5	4222857	3.71E-07	4.53E-07	2.39E-08	8.47E-07	1.97E-07	4.96E-07	2.39E-08	7.17E-07	4.87E-08	8.84E-08	7.81E-09	1.45E-07	3.77E-08	4.92E-08	3.56E-09	9.05E-08
4205	565297.8	4222853	3.74E-07	4.57E-07	2.41E-08	8.55E-07	1.98E-07	5.01E-07	2.41E-08	7.23E-07	4.91E-08	8.92E-08	7.87E-09	1.46E-07	3.80E-08	4.97E-08	3.59E-09	9.13E-08
4206	565284.2	4222849	3.78E-07	4.61E-07	2.43E-08	8.63E-07	2.00E-07	5.06E-07	2.43E-08	7.30E-07	4.96E-08	9.01E-08	7.95E-09	1.48E-07	3.84E-08	5.02E-08	3.63E-09	9.22E-08
4207	565256.9	4222841	3.87E-07	4.73E-07	2.49E-08	8.85E-07	2.05E-07	5.18E-07	2.49E-08	7.49E-07	5.08E-08	9.24E-08	8.15E-09	1.51E-07	3.93E-08	5.14E-08	3.72E-09	9.45E-08
4208	565079.6	4222791	4.88E-07	5.96E-07	3.14E-08	1.11E-06	2.59E-07	6.53E-07	3.14E-08	9.43E-07	6.41E-08	1.16E-07	1.03E-08	1.91E-07	4.96E-08	6.48E-08	4.69E-09	1.19E-07
4209	565066	4222787	4.98E-07	6.08E-07	3.21E-08	1.14E-06	2.64E-07	6.67E-07	3.21E-08	9.63E-07	6.54E-08	1.19E-07	1.05E-08	1.95E-07	5.06E-08	6.62E-08	4.78E-09	1.22E-07
4210	565052.3	4222783	5.08E-07	6.21E-07	3.27E-08	1.16E-06	2.70E-07	6.81E-07	3.27E-08	9.83E-07	6.68E-08	1.21E-07	1.07E-08	1.99E-07	5.17E-08	6.75E-08	4.88E-09	1.24E-07
4211	565025.1	4222776	5.29E-07	6.47E-07	3.41E-08	1.21E-06	2.81E-07	7.09E-07	3.41E-08	1.02E-06	6.95E-08	1.26E-07	1.12E-08	2.07E-07	5.38E-08	7.03E-08	5.09E-09	1.29E-07
4212	565011.4	4222772	5.4E-07	6.6E-07	3.48E-08	1.23E-06	2.86E-07	7.23E-07	3.48E-08	1.04E-06	7.09E-08	1.29E-07	1.14E-08	2.11E-07	5.49E-08	7.17E-08	5.19E-09	1.32E-07
4213	565001.1	4222764	5.62E-07	6.86E-07	3.61E-08	1.28E-06	2.98E-07	7.52E-07	3.61E-08	1.09E-06	7.37E-08	1.34E-07	1.18E-08	2.20E-07	5.71E-08	7.46E-08	5.40E-09	1.37E-07
4214	564994.1	4222751	5.96E-07	7.28E-07	3.83E-08	1.36E-06	3.16E-07	7.98E-07	3.83E-08	1.15E-06	7.82E-08	1.42E-07	1.25E-08	2.33E-07	6.05E-08	7.91E-08	5.72E-09	1.45E-07
4215	564987.1	4222739	6.32E-07	7.72E-07	4.07E-08	1.44E-06	3.35E-07	8.46E-07	4.07E-08	1.22E-06	8.30E-08	1.51E-07	1.33E-08	2.47E-07	6.42E-08	8.40E-08	6.07E-09	1.54E-07
4216	564980.1	4222727	6.7E-07	8.19E-07	4.32E-08	1.53E-06	3.55E-07	8.98E-07	4.32E-08	1.30E-06	8.81E-08	1.60E-07	1.41E-08	2.62E-07	6.81E-08	8.91E-08	6.44E-09	1.64E-07
4217	564973.1	4222714	7.11E-07	8.68E-07	4.58E-08	1.63E-06	3.77E-07	9.52E-07	4.58E-08	1.37E-06	9.34E-08	1.70E-07	1.50E-08	2.78E-07	7.23E-08	9.45E-08	6.83E-09	1.74E-07
4218	564966.1	4222702	7.53E-07	9.2E-07	4.85E-08	1.72E-06	3.99E-07	1.01E-06	4.85E-08	1.46E-06	9.89E-08	1.80E-07	1.59E-08	2.95E-07	7.66E-08	1.00E-07	7.24E-09	1.84E-07
4219	564959.2	4222690	7.98E-07	9.74E-07	5.13E-08	1.82E-06	4.23E-07	1.07E-06	5.13E-08	1.54E-06	1.05E-07	1.90E-07	1.68E-08	3.12E-07	8.10E-08	1.06E-07	7.66E-09	1.95E-07
4220	564952.2	4222677	8.43E-07	1.03E-06	5.43E-08	1.93E-06	4.47E-07	1.13E-06	5.43E-08	1.63E-06	1.11E-07	2.01E-07	1.78E-08	3.30E-07	8.57E-08	1.12E-07	8.10E-09	2.06E-07
4221	564945.2	4222665	8.9E-07	1.09E-06	5.73E-08	2.03E-06	4.72E-07	1.19E-06	5.73E-08	1.72E-06	1.17E-07	2.12E-07	1.87E-08	3.48E-07	9.04E-08	1.18E-07	8.55E-09	2.17E-07
4222	564938.2	4222653	9.37E-07	1.14E-06	6.03E-08	2.14E-06	4.97E-07	1.25E-06	6.03E-08	1.81E-06	1.23E-07	2.24E-07	1.97E-08	3.66E-07	9.52E-08	1.24E-07	9.00E-09	2.29E-07
4223	564924.2	4222628	1.03E-06	1.26E-06	6.65E-08	2.36E-06	5.47E-07	1.38E-06	6.65E-08	2.00E-06	1.36E-07	2.46E-07	2.17E-08	4.04E-07	1.05E-07	1.37E-07	9.92E-09	2.52E-07
4224	564917.2	4222616	1.08E-06	1.32E-06	6.95E-08	2.47E-06	5.73E-07	1.45E-06	6.95E-08	2.09E-06	1.42E-07	2.58E-07	2.27E-08	4.22E-07	1.10E-07	1.44E-07	1.04E-08	2.64E-07
4225	564910.2	4222603	1.13E-06	1.38E-06	7.25E-08	2.58E-06	5.98E-07	1.51E-06	7.25E-08	2.18E-06	1.48E-07	2.69E-07	2.37E-08	4.41E-07	1.15E-07	1.50E-07	1.08E-08	2.75E-07
4226	564903.2	4222591	1.17E-06	1.43E-06	7.55E-08	2.68E-06	6.22E-07	1.57E-06	7.55E-08	2.27E-06	1.54E-07	2.80E-07	2.47E-08	4.59E-07	1.19E-07	1.56E-07	1.13E-08	2.86E-07
4227	564896.2	4222579	1.22E-06	1.49E-06	7.84E-08	2.78E-06	6.46E-07	1.63E-06	7.84E-08	2.35E-06	1.60E-07	2.91E-07	2.56E-08	4.76E-07	1.24E-07	1.62E-07	1.17E-08	2.97E-07
4228	564875.3	4222542	1.34E-06	1.64E-06	8.62E-08	3.06E-06	7.10E-07	1.79E-06	8.62E-08	2.59E-06	1.76E-07	3.19E-07	2.82E-08	5.23E-07	1.36E-07	1.78E-07	1.29E-08	3.27E-07
4229	564868.3	4222529	1.38E-06	1.68E-06	8.85E-08	3.14E-06	7.29E-07	1.84E-06	8.85E-08	2.66E-06	1.81E-07	3.28E-07	2.90E-08	5.38E-07	1.40E-07	1.83E-07	1.32E-08	3.36E-07
4230	564847.3	4222492	1.47E-06	1.79E-06	9.46E-08	3.36E-06	7.79E-07	1.97E-06	9.46E-08	2.84E-06	1.93E-07	3.51E-07	3.09E-08	5.75E-07	1.49E-07	1.95E-07	1.41E-08	3.59E-07
4231	564840.3	4222480	1.5E-06	1.83E-06	9.62E-08	3.42E-06	7.93E-07	2.00E-06	9.62E-08	2.89E-06	1.96E-07	3.57E-07	3.15E-08	5.85E-07	1.52E-07	1.99E-07	1.44E-08	3.65E-07
4232	564833.3	4222468	1.52E-06	1.85E-06	9.77E-08	3.47E-06	8.05E-07	2.03E-06	9.77E-08	2.93E-06	1.99E-07	3.62E-07	3.20E-08	5.93E-07	1.54E-07	2.02E-07	1.46E-08	3.70E-07
4233	565313.6	4222876	3.46E-07	4.23E-07	2.23E-08	7.91E-07	1.83E-07	4.63E-07	2.23E-08	6.69E-07	4.54E-08	8.25E-08	7.29E-09	1.35E-07	3.52E-08	4.60E-08	3.32E-09	8.44E-08
4234	565300	4222873	3.49E-07	4.26E-07	2.24E-08	7.97E-07	1.85E-07	4.67E-07	2.24E-08	6.74E-07	4.58E-08	8.32E-08	7.34E-09	1.36E-07	3.54E-08	4.63E-08	3.35E-09	8.51E-08
4235	565286.3	4222869	3.52E-07	4.3E-07	2.26E-08	8.04E-07	1.87E-07	4.71E-07	2.26E-08	6.80E-07	4.62E-08	8.39E-08	7.41E-09	1.38E-07	3.58E-08	4.67E-08	3.38E-09	8.59E-08
4236	565258.9	4222861	3.6E-07	4.4E-07	2.32E-08	8.23E-07	1.91E-07	4.82E-07	2.32E-08	6.96E-07	4.73E-08	8.59E-08	7.58E-09	1.41E-07	3.66E-08	4.78E-08	3.46E-09	8.78E-08
4237	565245.3	4222857	3.65E-07	4.45E-07	2.35E-08	8.33E-07	1.93E-07	4.88E-07	2.35E-08	7.05E-07	4.79E-08	8.70E-08	7.68E-09	1.43E-07	3.71E-08	4.84E-08	3.50E-09	8.90E-08
4238	565231.6	4222853	3.7E-07	4.52E-07	2.38E-08	8.45E-07	1.96E-07	4.95E-07	2.38E-08	7.15E-07	4.86E-08	8.82E-08	7.79E-09	1.45E-07	3.76E-08	4.91E-08	3.55E-09	9.02E-08
4239	565217.9	4222849	3.75E-07	4.58E-07	2.41E-08	8.58E-07	1.99E-07	5.02E-07	2.41E-08	7.25E-07	4.93E-08	8.95E-08	7.90E-09	1.47E-07	3.81E-08	4.98E-08	3.60E-09	9.16E-08
4240	565190.5	4222842	3.87E-07	4.72E-07	2.49E-08	8.84E-07	2.05E-07	5.18E-07	2.49E-08	7.48E-07	5.08E-08	9.23E-08	8.15E-09	1.51E-07	3.93E-08	5.14E-08	3.72E-09	9.44E-08
4241	565176.9	4222838	3.93E-07	4.8E-07	2.53E-08	8.99E-07	2.08E-07	5.26E-07	2.53E-08	7.60E-07	5.16E-08	9.38E-08	8.28E-09	1.54E-07	4.00E-08	5.22E-08	3.78E-09	9.60E-08
4242	565163.2	4222834	4E-07	4.88E-07	2.57E-08	9.14E-07	2.12E-07	5.35E-07	2.57E-08	7.73E-07	5.25E-08	9.54E-08	8.42E-09	1.56E-07	4.06E-08	5.31E-08	3.84E-09	9.76E-08
4243	565149.5	4222830	4.07E-07	4.97E-07	2.62E-08	9.30E-07	2.16E-07	5.45E-07	2.62E-08	7.87E-07	5.34E-08	9.71E-08	8.57E-09	1.59E-07	4.14E-08	5.41E-08	3.91E-09	9.93E-08
4244	565122.2	4222822	4.22E-07	5.15E-07	2.72E-08	9.64E-07	2.24E-07	5.65E-07	2.72E-08	8.16E-07	5.54E-08	1.01E-07	8.88E-09	1.65E-07	4.29E-08	5.60E-08	4.05E-09	1.03E-07
4245	565108.5	4222818	4.3E-07	5.25E-07	2.77E-08	9.82E-07	2.28E-07	5.75E-07	2.77E-08	8.31E-07	5.64E-08	1.03E-07	9.05E-09	1.68E-07	4.37E-08	5.71E-08	4.13E-09	1.05E-07
4246	565094.8	4222815	4.38E-07	5.35E-07	2.82E-08	1.00E-06	2.32E-07	5.87E-07	2.82E-08	8.47E-07	5.75E-08	1.05E-07	9.23E-09	1.71E-07	4.45E-08	5.82E-08	4.21E-09	1.07E-07
4247	565081.1	4222811	4.47E-07	5.46E-07	2.88E-08	1.02E-06	2.37E-07	5.98E-07	2.88E-08	8.64E-07	5.87E-08	1.07E-07	9.41E-09	1.75E-07	4.54E-08	5.93E-08	4.29E-09	1.09E-07
4248	565067.5	4222807	4.56E-07	5.56E-07	2.93E-08	1.04E-06	2.42E-07	6.10E-07	2.93E-08	8.81E-07	5.98E-08	1.09E-07	9.60E-09	1.78E-07	4.63E-08	6.05E-08	4.38E-09	1.11E-07
4249	565026.4	4222795	4.84E-07	5.91E-07	3.11E-08	1.11E-06	2.56E-07	6.48E-07	3.11E-08	9.35E-07	6.35E-08	1.15E-07	1.02E-08	1.89E-07	4.92E-08	6.43E-08	4.65E-09	1.18E-07
4250	565012.8	4222791	4.93E-07	6.03E-07	3.18E-08	1.13E-06	2.62E-07	6.61E-07	3.18E-08	9.54E-07	6.48E-08	1.18E-07	1.04E-08	1.93E-07	5.01E-08	6.55E-08	4.74E-09	1.20E-07
4251	564999.1	4222788	5.03E-07	6.14E-07	3.24E-08	1.15E-06	2.67E-07	6.73E-07	3.24E-08	9.73E-07	6.61E-08	1.20E-07	1.06E-08	1.97E-07	5.11E-08	6.68E-08	4.83E-09	1.23E-07
4252	564988.7	4222779	5.22E-07	6.38E-07	3.36E-08	1.19E-06	2.77E-07	7.00E-07	3.36E-08	1.01E-06	6.86E-08	1.25E-07	1.10E-08	2.04E-07	5.31E-08	6.94E-08	5.02E-09	1.28E-07
4253	564981.7	4222767	5.53E-07	6.76E-07	3.56E-08	1.26E-06	2.93E-07	7.41E-07	3.56E-08	1.07E-06	7.27E-08	1.32E-07	1.17E-08	2.16E-07	5.62E-08	7.35E-08	5.32E-09	1.35E-07
4254	564974.7	4222755	5.86E-07	7.16E-07	3.77E-08	1.34E-06	3.11E-07	7.85E-07	3.77E-08	1.13E-06	7.70E-08	1.40E-07	1.23E-08	2.29E-07	5.96E-08	7.79E-08	5.63E-09	1.43E-07
4255	564967.7	4222742	6.21E-07	7.58E-07	4.00E-08	1.42E-06	3.29E-07	8.31E-07	4.00E-08	1.20E-06	8.16E-08	1.48E-07	1.31E-08	2.43E-07	6.31E-08	8.25E-08	5.97E-09	1.52E-07
4256	564960.7	4222730	6.58E-07	8.03E-07	4.23E-08	1.50E-06	3.49E-07	8.81E-07	4.23E-08	1.27E-06	8.64E-08	1.57E-07	1.39E-08	2.57E-07	6.68E-08	8.74E-08	6.32E-09	1.61E-07
4257	564953.7	4222718	6.96E-07	8.5E-07	4.48E-08	1.59E-06	3.69E-07	9.32E-07	4.48E-08	1.35E-06	9.14E-08	1.66E-07	1.47E-08	2.72E-07	7.08E-08	9.25E-08	6.69E-09	1.70E-07
4258	564946.7	4222705	7.36E-07	8.99E-07	4.74E-08	1.68E-06	3.90E-07	9.86E-07	4.74E-08	1.42E-06	9.67E-08	1.76E-07	1.55E-08	2.88E-07	7.48E-08	9.78E-08	7.08E-09	1.80E-07
4259	564939.7	4222693	7.78E-07	9.5E-07	5.01E-08	1.78E-06	4.12E-07	1.04E-06	5.01E-08	1.50E-06	1.02E-07	1.86E-07	1.64E-08	3.04E-07	7.91E-08	1.03E-07	7.47E-09	1.90E-07
4260	564932.7	4222681	8.21E-07	1E-06	5.28E-08	1.88E-06	4.35E-07	1.10E-06	5.28E-08	1.59E-06	1.08E-07	1.96E-07	1.73E-08	3.21E-07	8.34E-08	1.09E-07	7.88E-09	2.00E-07
4261	564925.7	4222668	8.64E-07	1.06E-06	5.56E-08	1.98E-06	4.58E-07	1.16E-06	5.56E-08	1.67E-06	1.13E-07	2.06E-07	1.82E-08	3.38E-07	8.78E-08	1.15E-07	8.30E-09	2.11E-07
4262	564918.6	4222656	9.08E-07	1.11E-06	5.85E-08	2.08E-06	4.82E-07	1.22E-06	5.85E-08	1.76E-06	1.19E-07	2.17E-07	1.91E-08	3.55E-07	9.23E-08	1.21E-07	8.73E-09	2.22E-07
4263	564904.6	4222631	9.97E-07	1.22E-06	6.42E-08	2.28E-06	5.28E-07	1.33E-06	6.42E-08	1.93E-06	1.31E-07	2.38E-07	2.10E-08	3.90E-07	1.01E-07	1.32E-07	9.58E-09	2.43E-07
4264	564897.6	4222619	1.04E-06	1.27E-06	6.70E-08	2.38E-06	5.52E-07	1.39E-06	6.70E-08	2.01E-06	1.37E-07	2.48E-07	2.19E-08	4.07E-07	1.06E-07	1.38E-07	1.00E-08	2.54E-07
4265	564890.6	4222606	1.08E-06	1.32E-06	6.97E-08	2.48E-06	5.75E-07	1.45E-06	6.97E-08	2.10E-06	1.42E-07	2.59E-07	2.28E-08	4.24E-07	1.10E-07	1.44E-07	1.04E-08	2.64E-07
4266	564883.6	4222594	1.13E-06	1.37E-06	7.25E-08	2.57E-06	5.97E-07	1.51E-06	7.25E-08	2.18E-06	1.48E-07	2.69E-07	2.37E-08	4.40E-07	1.14E-07	1.50E-07	1.08E-08	2.75E-07
4267	564876.6	4222582	1.17E-06	1.42E-06	7.51E-08	2.67E-06	6.18E-07	1.56E-06	7.51E-08	2.26E-06	1.53E-07	2.78E-07	2.46E-08	4.56E-07	1.19E-07	1.55E-07	1.12E-08	2.85E-07
4268	564869.6	4222569	1.21E-06	1.47E-06	7.76E-08	2.75E-06	6.39E-07	1.61E-06	7.76E-08	2.33E-06	1.58E-07	2.88E-07	2.54E-08	4.71E-07	1.22E-07	1.60E-07	1.16E-08	2.94E-07
4269	564862.6	4222557	1.24E-06	1.52E-06	7.99E-08	2.84E-06	6.59E-07	1.66E-06	7.99E-08	2.40E-06	1.63E-07	2.96E-07	2.62E-08	4.86E-07	1.26E-07	1.65E-07	1.19E-08	3.03E-07
4270	564855.6	4222545	1.28E-06	1.56E-06	8.22E-08	2.92E-06	6.77E-07	1.71E-06	8.22E-08	2.47E-06	1.68E-07	3.05E-07	2.69E-08	4.99E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07
4271	564848.5	4222532	1.31E-06	1.6E-06	8.43E-08	2.99E-06	6.95E-07	1.75E-06	8.43E-08	2.53E-06	1.72E-07	3.13E-07	2.76E-08	5.12E-07	1.33E-07	1.74E-07	1.26E-08	3.20E-07
4272	564827.5	4222495	1.4E-06	1.7E-06	8.98E-08	3.19E-06	7.40E-07	1.87E-06	8.98E-08	2.70E-06	1.83E-07	3.33E-07	2.94E-08	5.45E-07	1.42E-07	1.85E-07	1.34E-08	3.41E-07
4273	564820.5	4222483	1.42E-06	1.73E-06	9.13E-08	3.24E-06	7.52E-07	1.90E-06	9.13E-08	2.74E-06	1.86E-07	3.38E-07	2.99E-08	5.55E-07	1.44E-07	1.88E-07	1.36E-08	3.46E-07
4274	564813.5	4222470	1.44E-06	1.76E-06	9.26E-08	3.29E-06	7.63E-07	1.93E-06	9.26E-08	2.78E-06	1.89E-07	3.43E-07	3.03E-08	5.63E-07	1.46E-07	1.91E-07	1.38E-08	3.51E-07
4275	565316.6	4222897	3.24E-07	3.95E-07	2.08E-08	7.40E-07	1.72E-07	4.33E-07	2.08E-08	6.26E-07	4.25E-08	7.72E-08	6.82E-09	1.27E-07	3.29E-08	4.30E-08	3.11E-09	7.90E-08
4276	565303.2	4222893	3.26E-07	3.98E-07	2.10E-08	7.45E-07	1.73E-07	4.36E-07	2.10E-08	6.30E-07	4.28E-08	7.77E-08	6.86E-09	1.27E-07	3.31E-08	4.33E-08	3.13E-09	7.95E-08
4277	565289.7	4222889	3.28E-07	4.01E-07	2.11E-08	7.51E-07	1.74E-07	4.40E-07	2.11E-08	6.35E-07	4.31E-08	7.84E-08	6.92E-09	1.28E-07	3.34E-08	4.36E-08	3.16E-09	8.02E-08
4278	565262.8	4222881	3.35E-07	4.09E-07	2.16E-08	7.66E-07	1.78E-07	4.49E-07	2.16E-08	6.48E-07	4.40E-08	8.00E-08	7.06E-09	1.31E-07	3.41E-08	4.45E-08	3.22E-09	8.18E-08
4279	565249.3	4222877	3.39E-07	4.14E-07	2.18E-08	7.75E-07	1.80E-07	4.54E-07	2.18E-08	6.56E-07	4.45E-08	8.09E-08	7.14E-09	1.33E-07	3.45E-08	4.50E-08	3.26E-09	8.28E-08
4280	565235.8	4222874	3.43E-07	4.19E-07	2.21E-08	7.85E-07	1.82E-07	4.60E-07	2.21E-08	6.64E-07	4.51E-08	8.19E-08	7.23E-09	1.34E-07	3.49E-08	4.56E-08	3.30E-09	8.38E-08
4281	565222.3	4222870	3.48E-07	4.25E-07	2.24E-08	7.96E-07	1.85E-07	4.66E-07	2.24E-08	6.73E-07	4.57E-08	8.30E-08	7.33E-09	1.36E-07	3.54E-08	4.62E-08	3.34E-09	8.50E-08
4282	565208.9	4222866	3.53E-07	4.31E-07	2.27E-08	8.07E-07	1.87E-07	4.73E-07	2.27E-08	6.82E-07	4.64E-08	8.42E-08	7.43E-09	1.38E-07	3.59E-08	4.69E-08	3.39E-09	8.62E-08
4283	565181.9	4222858	3.63E-07	4.44E-07	2.34E-08	8.31E-07	1.93E-07	4.87E-07	2.34E-08	7.03E-07	4.77E-08	8.67E-08	7.65E-09	1.42E-07	3.69E-08	4.83E-08	3.49E-09	8.87E-08
4284	565168.5	4222855	3.69E-07	4.51E-07	2.38E-08	8.43E-07	1.96E-07	4.94E-07	2.38E-08	7.13E-07	4.85E-08	8.80E-08	7.77E-09	1.44E-07	3.75E-08	4.90E-08	3.55E-09	9.01E-08
4285	565155	4222851	3.75E-07	4.58E-07	2.41E-08	8.57E-07	1.99E-07	5.02E-07	2.41E-08	7.25E-07	4.92E-08	8.94E-08	7.90E-09	1.47E-07	3.81E-08	4.98E-08	3.60E-09	9.15E-08
4286	565141.5	4222847	3.81E-07	4.65E-07	2.45E-08	8.71E-07	2.02E-07	5.10E-07	2.45E-08	7.37E-07	5.00E-08	9.09E-08	8.02E-09	1.49E-07	3.87E-08	5.06E-08	3.66E-09	9.30E-08
4287	565114.6	4222839	3.94E-07	4.81E-07	2.54E-08	9.01E-07	2.09E-07	5.28E-07	2.54E-08	7.62E-07	5.18E-08	9.40E-08	8.30E-09	1.54E-07	4.00E-08	5.24E-08	3.79E-09	9.62E-08

4288	565101.1	4222836	4.01E-07	4.9E-07	2.58E-08	9.17E-07	2.13E-07	5.37E-07	2.58E-08	7.75E-07	5.27E-08	9.57E-08	8.45E-09	1.57E-07	4.08E-08	5.33E-08	3.85E-09	9.79E-08
4289	565087.7	4222832	4.08E-07	4.99E-07	2.63E-08	9.33E-07	2.17E-07	5.47E-07	2.63E-08	7.90E-07	5.36E-08	9.74E-08	8.60E-09	1.60E-07	4.15E-08	5.42E-08	3.92E-09	9.97E-08
4290	565074.2	4222828	4.16E-07	5.08E-07	2.68E-08	9.51E-07	2.21E-07	5.57E-07	2.68E-08	8.04E-07	5.46E-08	9.92E-08	8.76E-09	1.63E-07	4.23E-08	5.53E-08	4.00E-09	1.02E-07
4291	565060.7	4222824	4.24E-07	5.17E-07	2.73E-08	9.68E-07	2.25E-07	5.67E-07	2.73E-08	8.19E-07	5.56E-08	1.01E-07	8.92E-09	1.66E-07	4.31E-08	5.63E-08	4.07E-09	1.03E-07
4292	565020.3	4222813	4.49E-07	5.48E-07	2.89E-08	1.03E-06	2.38E-07	6.01E-07	2.89E-08	8.67E-07	5.89E-08	1.07E-07	9.45E-09	1.75E-07	4.56E-08	5.96E-08	4.31E-09	1.09E-07
4293	565006.8	4222809	4.57E-07	5.58E-07	2.94E-08	1.04E-06	2.42E-07	6.12E-07	2.94E-08	8.84E-07	6.00E-08	1.09E-07	9.63E-09	1.79E-07	4.65E-08	6.07E-08	4.39E-09	1.12E-07
4294	564993.4	4222805	4.66E-07	5.69E-07	3.00E-08	1.06E-06	2.47E-07	6.24E-07	3.00E-08	9.01E-07	6.12E-08	1.11E-07	9.81E-09	1.82E-07	4.73E-08	6.19E-08	4.48E-09	1.14E-07
4295	564976.4	4222795	4.87E-07	5.95E-07	3.14E-08	1.11E-06	2.58E-07	6.53E-07	3.14E-08	9.42E-07	6.40E-08	1.16E-07	1.03E-08	1.91E-07	4.95E-08	6.47E-08	4.68E-09	1.19E-07
4296	564969.5	4222783	5.15E-07	6.29E-07	3.31E-08	1.18E-06	2.73E-07	6.89E-07	3.31E-08	9.95E-07	6.76E-08	1.23E-07	1.08E-08	2.01E-07	5.23E-08	6.84E-08	4.95E-09	1.26E-07
4297	564962.6	4222771	5.44E-07	6.64E-07	3.50E-08	1.24E-06	2.88E-07	7.28E-07	3.50E-08	1.05E-06	7.14E-08	1.30E-07	1.15E-08	2.13E-07	5.53E-08	7.23E-08	5.23E-09	1.33E-07
4298	564955.7	4222759	5.75E-07	7.02E-07	3.70E-08	1.31E-06	3.05E-07	7.70E-07	3.70E-08	1.11E-06	7.55E-08	1.37E-07	1.21E-08	2.25E-07	5.84E-08	7.64E-08	5.52E-09	1.40E-07
4299	564948.8	4222747	6.08E-07	7.42E-07	3.91E-08	1.39E-06	3.22E-07	8.13E-07	3.91E-08	1.17E-06	7.98E-08	1.45E-07	1.28E-08	2.38E-07	6.17E-08	8.07E-08	5.84E-09	1.48E-07
4300	564941.9	4222734	6.42E-07	7.84E-07	4.13E-08	1.47E-06	3.40E-07	8.59E-07	4.13E-08	1.24E-06	8.43E-08	1.53E-07	1.35E-08	2.51E-07	6.52E-08	8.53E-08	6.17E-09	1.57E-07
4301	564935	4222722	6.78E-07	8.28E-07	4.36E-08	1.55E-06	3.59E-07	9.07E-07	4.36E-08	1.31E-06	8.90E-08	1.62E-07	1.43E-08	2.65E-07	6.89E-08	9.00E-08	6.51E-09	1.65E-07
4302	564928.1	4222710	7.15E-07	8.73E-07	4.60E-08	1.63E-06	3.79E-07	9.57E-07	4.60E-08	1.38E-06	9.39E-08	1.71E-07	1.51E-08	2.79E-07	7.26E-08	9.50E-08	6.87E-09	1.74E-07
4303	564921.2	4222698	7.53E-07	9.2E-07	4.85E-08	1.72E-06	3.99E-07	1.01E-06	4.85E-08	1.46E-06	9.89E-08	1.80E-07	1.59E-08	2.94E-07	7.65E-08	1.00E-07	7.24E-09	1.84E-07
4304	564914.3	4222686	7.92E-07	9.68E-07	5.10E-08	1.81E-06	4.20E-07	1.06E-06	5.10E-08	1.53E-06	1.04E-07	1.89E-07	1.67E-08	3.10E-07	8.05E-08	1.05E-07	7.61E-09	1.93E-07
4305	564907.4	4222673	8.32E-07	1.02E-06	5.36E-08	1.90E-06	4.41E-07	1.11E-06	5.36E-08	1.61E-06	1.09E-07	1.99E-07	1.75E-08	3.25E-07	8.46E-08	1.11E-07	8.00E-09	2.03E-07
4306	564900.5	4222661	8.72E-07	1.07E-06	5.62E-08	1.99E-06	4.63E-07	1.17E-06	5.62E-08	1.69E-06	1.15E-07	2.08E-07	1.84E-08	3.41E-07	8.87E-08	1.16E-07	8.38E-09	2.13E-07
4307	564886.7	4222637	9.53E-07	1.16E-06	6.13E-08	2.18E-06	5.05E-07	1.28E-06	6.13E-08	1.84E-06	1.25E-07	2.27E-07	2.01E-08	3.73E-07	9.69E-08	1.27E-07	9.16E-09	2.33E-07
4308	564879.8	4222625	9.93E-07	1.21E-06	6.39E-08	2.27E-06	5.26E-07	1.33E-06	6.39E-08	1.92E-06	1.30E-07	2.37E-07	2.09E-08	3.88E-07	1.01E-07	1.32E-07	9.54E-09	2.42E-07
4309	564872.9	4222613	1.03E-06	1.26E-06	6.64E-08	2.36E-06	5.47E-07	1.38E-06	6.64E-08	2.00E-06	1.36E-07	2.46E-07	2.17E-08	4.03E-07	1.05E-07	1.37E-07	9.92E-09	2.52E-07
4310	564866	4222600	1.07E-06	1.31E-06	6.89E-08	2.45E-06	5.67E-07	1.43E-06	6.89E-08	2.07E-06	1.41E-07	2.55E-07	2.25E-08	4.18E-07	1.09E-07	1.42E-07	1.03E-08	2.61E-07
4311	564859.1	4222588	1.11E-06	1.35E-06	7.13E-08	2.53E-06	5.87E-07	1.48E-06	7.13E-08	2.14E-06	1.45E-07	2.64E-07	2.33E-08	4.33E-07	1.13E-07	1.47E-07	1.06E-08	2.70E-07
4312	564852.2	4222576	1.14E-06	1.4E-06	7.36E-08	2.61E-06	6.06E-07	1.53E-06	7.36E-08	2.21E-06	1.50E-07	2.73E-07	2.41E-08	4.47E-07	1.16E-07	1.52E-07	1.10E-08	2.79E-07
4313	564845.3	4222564	1.18E-06	1.44E-06	7.57E-08	2.69E-06	6.24E-07	1.57E-06	7.57E-08	2.27E-06	1.54E-07	2.81E-07	2.48E-08	4.60E-07	1.20E-07	1.56E-07	1.13E-08	2.87E-07
4314	564838.4	4222552	1.21E-06	1.48E-06	7.78E-08	2.76E-06	6.40E-07	1.62E-06	7.78E-08	2.34E-06	1.59E-07	2.88E-07	2.54E-08	4.72E-07	1.23E-07	1.60E-07	1.16E-08	2.95E-07
4315	564831.5	4222540	1.24E-06	1.51E-06	7.97E-08	2.83E-06	6.56E-07	1.66E-06	7.97E-08	2.39E-06	1.63E-07	2.95E-07	2.61E-08	4.84E-07	1.26E-07	1.64E-07	1.19E-08	3.02E-07
4316	564824.6	4222527	1.27E-06	1.55E-06	8.15E-08	2.89E-06	6.71E-07	1.70E-06	8.15E-08	2.45E-06	1.66E-07	3.02E-07	2.67E-08	4.95E-07	1.29E-07	1.68E-07	1.22E-08	3.09E-07
4317	564796.9	4222479	1.36E-06	1.66E-06	8.74E-08	3.10E-06	7.20E-07	1.82E-06	8.74E-08	2.63E-06	1.78E-07	3.24E-07	2.86E-08	5.31E-07	1.38E-07	1.80E-07	1.30E-08	3.32E-07
4318	564790	4222466	1.38E-06	1.68E-06	8.85E-08	3.14E-06	7.29E-07	1.84E-06	8.85E-08	2.66E-06	1.81E-07	3.28E-07	2.90E-08	5.38E-07	1.40E-07	1.83E-07	1.32E-08	3.36E-07
4319	565318.8	4222916	3.04E-07	3.71E-07	1.96E-08	6.95E-07	1.61E-07	4.07E-07	1.96E-08	5.88E-07	3.99E-08	7.25E-08	6.40E-09	1.19E-07	3.09E-08	4.04E-08	2.92E-09	7.42E-08
4320	565305.3	4222913	3.06E-07	3.73E-07	1.97E-08	6.99E-07	1.62E-07	4.09E-07	1.97E-08	5.91E-07	4.01E-08	7.29E-08	6.44E-09	1.20E-07	3.11E-08	4.06E-08	2.94E-09	7.46E-08
4321	565291.8	4222909	3.08E-07	3.76E-07	1.98E-08	7.04E-07	1.63E-07	4.12E-07	1.98E-08	5.95E-07	4.04E-08	7.35E-08	6.48E-09	1.20E-07	3.13E-08	4.09E-08	2.96E-09	7.51E-08
4322	565264.7	4222901	3.14E-07	3.83E-07	2.02E-08	7.17E-07	1.66E-07	4.20E-07	2.02E-08	6.06E-07	4.12E-08	7.48E-08	6.60E-09	1.23E-07	3.19E-08	4.17E-08	3.01E-09	7.65E-08
4323	565251.2	4222897	3.17E-07	3.87E-07	2.04E-08	7.25E-07	1.68E-07	4.24E-07	2.04E-08	6.13E-07	4.16E-08	7.56E-08	6.68E-09	1.24E-07	3.22E-08	4.21E-08	3.05E-09	7.74E-08
4324	565237.7	4222893	3.21E-07	3.92E-07	2.06E-08	7.33E-07	1.70E-07	4.29E-07	2.06E-08	6.20E-07	4.21E-08	7.65E-08	6.76E-09	1.25E-07	3.26E-08	4.26E-08	3.08E-09	7.83E-08
4325	565224.2	4222890	3.25E-07	3.97E-07	2.09E-08	7.42E-07	1.72E-07	4.35E-07	2.09E-08	6.28E-07	4.27E-08	7.75E-08	6.84E-09	1.27E-07	3.30E-08	4.32E-08	3.12E-09	7.93E-08
4326	565210.7	4222886	3.29E-07	4.02E-07	2.12E-08	7.52E-07	1.75E-07	4.41E-07	2.12E-08	6.36E-07	4.32E-08	7.85E-08	6.93E-09	1.29E-07	3.35E-08	4.37E-08	3.16E-09	8.03E-08
4327	565183.7	4222878	3.38E-07	4.13E-07	2.18E-08	7.74E-07	1.79E-07	4.53E-07	2.18E-08	6.54E-07	4.45E-08	8.08E-08	7.13E-09	1.32E-07	3.44E-08	4.50E-08	3.25E-09	8.26E-08
4328	565170.2	4222874	3.43E-07	4.19E-07	2.21E-08	7.85E-07	1.82E-07	4.60E-07	2.21E-08	6.64E-07	4.51E-08	8.19E-08	7.23E-09	1.34E-07	3.49E-08	4.56E-08	3.30E-09	8.38E-08
4329	565156.7	4222871	3.48E-07	4.26E-07	2.24E-08	7.96E-07	1.85E-07	4.67E-07	2.24E-08	6.74E-07	4.58E-08	8.31E-08	7.34E-09	1.36E-07	3.54E-08	4.63E-08	3.35E-09	8.50E-08
4330	565143.2	4222867	3.54E-07	4.32E-07	2.28E-08	8.09E-07	1.88E-07	4.74E-07	2.28E-08	6.84E-07	4.65E-08	8.44E-08	7.45E-09	1.38E-07	3.60E-08	4.70E-08	3.40E-09	8.64E-08
4331	565116.1	4222859	3.65E-07	4.46E-07	2.35E-08	8.35E-07	1.94E-07	4.89E-07	2.35E-08	7.06E-07	4.80E-08	8.71E-08	7.69E-09	1.43E-07	3.71E-08	4.85E-08	3.51E-09	8.91E-08
4332	565102.6	4222855	3.71E-07	4.53E-07	2.39E-08	8.49E-07	1.97E-07	4.97E-07	2.39E-08	7.18E-07	4.88E-08	8.86E-08	7.82E-09	1.45E-07	3.77E-08	4.93E-08	3.57E-09	9.06E-08
4333	565089.1	4222851	3.78E-07	4.61E-07	2.43E-08	8.63E-07	2.00E-07	5.06E-07	2.43E-08	7.30E-07	4.96E-08	9.01E-08	7.95E-09	1.48E-07	3.84E-08	5.02E-08	3.63E-09	9.22E-08
4334	565075.6	4222848	3.84E-07	4.69E-07	2.47E-08	8.78E-07	2.04E-07	5.15E-07	2.47E-08	7.43E-07	5.05E-08	9.17E-08	8.09E-09	1.50E-07	3.91E-08	5.11E-08	3.69E-09	9.38E-08
4335	565062.1	4222844	3.91E-07	4.78E-07	2.52E-08	8.94E-07	2.07E-07	5.24E-07	2.52E-08	7.56E-07	5.14E-08	9.33E-08	8.24E-09	1.53E-07	3.97E-08	5.20E-08	3.76E-09	9.55E-08
4336	565048.6	4222840	3.98E-07	4.86E-07	2.56E-08	9.10E-07	2.11E-07	5.33E-07	2.56E-08	7.70E-07	5.23E-08	9.50E-08	8.38E-09	1.56E-07	4.05E-08	5.29E-08	3.82E-09	9.72E-08
4337	565021.6	4222832	4.13E-07	5.04E-07	2.66E-08	9.44E-07	2.19E-07	5.53E-07	2.66E-08	7.98E-07	5.42E-08	9.85E-08	8.70E-09	1.61E-07	4.20E-08	5.48E-08	3.97E-09	1.01E-07
4338	565008.1	4222829	4.21E-07	5.14E-07	2.71E-08	9.61E-07	2.23E-07	5.63E-07	2.71E-08	8.13E-07	5.52E-08	1.00E-07	8.86E-09	1.64E-07	4.27E-08	5.59E-08	4.04E-09	1.03E-07
4339	564994.6	4222825	4.28E-07	5.23E-07	2.76E-08	9.79E-07	2.27E-07	5.74E-07	2.76E-08	8.28E-07	5.63E-08	1.02E-07	9.02E-09	1.68E-07	4.35E-08	5.69E-08	4.12E-09	1.05E-07
4340	564981.1	4222821	4.36E-07	5.33E-07	2.81E-08	9.97E-07	2.31E-07	5.84E-07	2.81E-08	8.44E-07	5.73E-08	1.04E-07	9.19E-09	1.71E-07	4.43E-08	5.80E-08	4.19E-09	1.06E-07
4341	564964.1	4222811	4.56E-07	5.57E-07	2.93E-08	1.04E-06	2.42E-07	6.10E-07	2.93E-08	8.82E-07	5.99E-08	1.09E-07	9.60E-09	1.78E-07	4.63E-08	6.06E-08	4.38E-09	1.11E-07
4342	564957.2	4222799	4.81E-07	5.87E-07	3.09E-08	1.10E-06	2.55E-07	6.44E-07	3.09E-08	9.30E-07	6.31E-08	1.15E-07	1.01E-08	1.88E-07	4.89E-08	6.39E-08	4.62E-09	1.17E-07
4343	564950.2	4222787	5.07E-07	6.2E-07	3.27E-08	1.16E-06	2.69E-07	6.79E-07	3.27E-08	9.81E-07	6.66E-08	1.21E-07	1.07E-08	1.98E-07	5.16E-08	6.74E-08	4.87E-09	1.24E-07
4344	564943.3	4222774	5.35E-07	6.54E-07	3.45E-08	1.22E-06	2.84E-07	7.17E-07	3.45E-08	1.04E-06	7.03E-08	1.28E-07	1.13E-08	2.09E-07	5.44E-08	7.11E-08	5.15E-09	1.31E-07
4345	564936.4	4222762	5.65E-07	6.9E-07	3.64E-08	1.29E-06	3.00E-07	7.57E-07	3.64E-08	1.09E-06	7.42E-08	1.35E-07	1.19E-08	2.21E-07	5.74E-08	7.51E-08	5.43E-09	1.38E-07
4346	564929.5	4222750	5.97E-07	7.29E-07	3.84E-08	1.36E-06	3.16E-07	7.99E-07	3.84E-08	1.15E-06	7.83E-08	1.42E-07	1.26E-08	2.33E-07	6.06E-08	7.93E-08	5.73E-09	1.46E-07
4347	564922.6	4222738	6.29E-07	7.69E-07	4.05E-08	1.44E-06	3.34E-07	8.43E-07	4.05E-08	1.22E-06	8.26E-08	1.50E-07	1.33E-08	2.46E-07	6.40E-08	8.36E-08	6.05E-09	1.54E-07
4348	564915.6	4222725	6.63E-07	8.1E-07	4.27E-08	1.52E-06	3.52E-07	8.88E-07	4.27E-08	1.28E-06	8.71E-08	1.58E-07	1.40E-08	2.59E-07	6.74E-08	8.81E-08	6.37E-09	1.62E-07
4349	564908.7	4222713	6.98E-07	8.53E-07	4.50E-08	1.60E-06	3.70E-07	9.35E-07	4.50E-08	1.35E-06	9.17E-08	1.67E-07	1.47E-08	2.73E-07	7.10E-08	9.28E-08	6.71E-09	1.70E-07
4350	564901.8	4222701	7.35E-07	8.97E-07	4.73E-08	1.68E-06	3.89E-07	9.83E-07	4.73E-08	1.42E-06	9.65E-08	1.75E-07	1.55E-08	2.87E-07	7.46E-08	9.76E-08	7.06E-09	1.79E-07
4351	564894.9	4222689	7.71E-07	9.42E-07	4.96E-08	1.76E-06	4.09E-07	1.03E-06	4.96E-08	1.49E-06	1.01E-07	1.84E-07	1.62E-08	3.02E-07	7.84E-08	1.02E-07	7.41E-09	1.88E-07
4352	564887.9	4222677	8.09E-07	9.88E-07	5.20E-08	1.85E-06	4.29E-07	1.08E-06	5.20E-08	1.56E-06	1.06E-07	1.93E-07	1.70E-08	3.16E-07	8.22E-08	1.07E-07	7.77E-09	1.97E-07
4353	564881	4222664	8.46E-07	1.03E-06	5.45E-08	1.93E-06	4.49E-07	1.13E-06	5.45E-08	1.64E-06	1.11E-07	2.02E-07	1.78E-08	3.31E-07	8.60E-08	1.12E-07	8.13E-09	2.07E-07
4354	564874.1	4222652	8.84E-07	1.08E-06	5.69E-08	2.02E-06	4.69E-07	1.18E-06	5.69E-08	1.71E-06	1.16E-07	2.11E-07	1.86E-08	3.46E-07	8.98E-08	1.17E-07	8.49E-09	2.16E-07
4355	564867.2	4222640	9.21E-07	1.12E-06	5.93E-08	2.11E-06	4.88E-07	1.23E-06	5.93E-08	1.78E-06	1.21E-07	2.20E-07	1.94E-08	3.60E-07	9.36E-08	1.22E-07	8.85E-09	2.25E-07
4356	564860.2	4222628	9.58E-07	1.17E-06	6.17E-08	2.19E-06	5.08E-07	1.28E-06	6.17E-08	1.85E-06	1.26E-07	2.29E-07	2.02E-08	3.75E-07	9.73E-08	1.27E-07	9.20E-09	2.34E-07
4357	564853.3	4222616	9.94E-07	1.21E-06	6.40E-08	2.27E-06	5.27E-07	1.33E-06	6.40E-08	1.92E-06	1.31E-07	2.37E-07	2.09E-08	3.89E-07	1.01E-07	1.32E-07	9.55E-09	2.43E-07
4358	564846.4	4222603	1.03E-06	1.26E-06	6.62E-08	2.35E-06	5.46E-07	1.38E-06	6.62E-08	1.99E-06	1.35E-07	2.46E-07	2.17E-08	4.02E-07	1.05E-07	1.37E-07	9.89E-09	2.51E-07
4359	564839.5	4222591	1.06E-06	1.3E-06	6.84E-08	2.43E-06	5.64E-07	1.42E-06	6.84E-08	2.06E-06	1.40E-07	2.54E-07	2.24E-08	4.16E-07	1.08E-07	1.41E-07	1.02E-08	2.59E-07
4360	564832.5	4222579	1.1E-06	1.34E-06	7.05E-08	2.50E-06	5.81E-07	1.47E-06	7.05E-08	2.12E-06	1.44E-07	2.61E-07	2.31E-08	4.28E-07	1.11E-07	1.46E-07	1.05E-08	2.67E-07
4361	564825.6	4222567	1.13E-06	1.38E-06	7.25E-08	2.57E-06	5.97E-07	1.51E-06	7.25E-08	2.18E-06	1.48E-07	2.69E-07	2.37E-08	4.40E-07	1.14E-07	1.50E-07	1.08E-08	2.75E-07
4362	564818.7	4222555	1.16E-06	1.41E-06	7.44E-08	2.64E-06	6.13E-07	1.55E-06	7.44E-08	2.23E-06	1.52E-07	2.76E-07	2.43E-08	4.52E-07	1.17E-07	1.53E-07	1.11E-08	2.82E-07
4363	564811.8	4222542	1.18E-06	1.44E-06	7.61E-08	2.70E-06	6.27E-07	1.58E-06	7.61E-08	2.29E-06	1.55E-07	2.82E-07	2.49E-08	4.62E-07	1.20E-07	1.57E-07	1.14E-08	2.89E-07
4364	564784.1	4222493	1.27E-06	1.56E-06	8.20E-08	2.91E-06	6.76E-07	1.71E-06	8.20E-08	2.46E-06	1.67E-07	3.04E-07	2.68E-08	4.98E-07	1.29E-07	1.69E-07	1.22E-08	3.11E-07
4365	564777.1	4222481	1.29E-06	1.58E-06	8.32E-08	2.95E-06	6.85E-07	1.73E-06	8.32E-08	2.50E-06	1.70E-07	3.08E-07	2.72E-08	5.05E-07	1.31E-07	1.72E-07	1.24E-08	3.15E-07
4366	564770.2	4222469	1.31E-06	1.6E-06	8.42E-08	2.99E-06	6.93E-07	1.75E-06	8.42E-08	2.53E-06	1.72E-07	3.12E-07	2.75E-08	5.11E-07	1.33E-07	1.74E-07	1.26E-08	3.19E-07
4367	565320.9	4222936	2.86E-07	3.49E-07	1.84E-08	6.54E-07	1.52E-07	3.83E-07	1.84E-08	5.53E-07	3.76E-08	6.83E-08	6.02E-09	1.12E-07	2.91E-08	3.80E-08	2.75E-09	6.98E-08
4368	565307.4	4222932	2.88E-07	3.51E-07	1.85E-08	6.57E-07	1.52E-07	3.85E-07	1.85E-08	5.56E-07	3.78E-08	6.86E-08	6.06E-09	1.12E-07	2.92E-08	3.82E-08	2.76E-09	7.02E-08
4369	565293.8	4222929	2.89E-07	3.53E-07	1.86E-08	6.61E-07	1.53E-07	3.87E-07	1.86E-08	5.59E-07	3.80E-08	6.90E-08	6.09E-09	1.13E-07	2.94E-08	3.84E-08	2.78E-09	7.06E-08
4370	565266.7	4222921	2.94E-07	3.59E-07	1.89E-08	6.72E-07	1.56E-07	3.94E-07	1.89E-08	5.69E-07	3.86E-08	7.02E-08	6.20E-09	1.15E-07	2.99E-08	3.91E-08	2.83E-09	7.18E-08
4371	565253.2	4222917	2.97E-07	3.63E-07	1.91E-08	6.79E-07	1.58E-07	3.98E-07	1.91E-08	5.75E-07	3.90E-08	7.09E-08	6.26E-09	1.16E-07	3.02E-08	3.95E-08	2.86E-09	7.25E-08
4372	565239.7	4222913	3E-07	3.67E-07	1.93E-08	6.87E-07	1.59E-07	4.02E-07	1.93E-08	5.81E-07	3.95E-08	7.17E-08	6.33E-09	1.17E-07	3.05E-08	3.99E-08	2.89E-09	7.33E-08
4373	565226.1	4222909	3.04E-07	3.71E-07	1.96E-08	6.95E-07	1.61E-07	4.07E-07	1.96E-08	5.88E-07	3.99E-08	7.25E-08	6.40E-09	1.19E-07	3.09E-08	4.04E-08	2.92E-09	7.42E-08
4374	565212.6	4222906	3.08E-07	3.76E-07	1.98E-08	7.04E-07	1.63E-07	4.12E-07	1.98E-08	5.95E-07	4.04E-08	7.35E-08	6.48E-09	1.20E-07	3.13E-08	4.09E-08	2.96E-09	7.52E-08
4375	565185.5	4222898	3.16E-07	3.86E-07	2.04E-08	7.23E-07	1.68E-07	4.23E-07	2.04E-08	6.11E-07	4.15E-08	7.54E-08	6.66E-09	1.24E-07	3.21E-08	4.20E-08	3.04E-09	7.72E-08
4376	565171.9	4222894	3.21E-07	3.92E-07	2.06E-08	7.33E-07	1.70E-07	4.29E-07	2.06E-08	6.20E-07	4.21E-08	7.65E-08	6.75E-09	1.25E-07	3.26E-08	4.26E-08	3.08E-09	7.82E-08
4377	565158.4	4222890	3.25E-07	3.97E-07	2.09E-08	7.43E-07	1.72E-07	4.35E-07	2.09E-08	6.29E-07	4.27E-08	7.76E-08	6.85E-09	1.27E-07	3.30E-08	4.32E-08	3.12E-09	7.93E-08
4378	565144.8	4222886	3.3E-07	4.03E-07	2.12E-08	7.54E-07	1.75E-07	4.42E-07	2.12E-08	6.38E-07	4.33E-08	7.87E-08	6.95E-09	1.29E-07	3.35E-08	4.38E-08	3.17E-09	8.05E-08
4379	565117.7	4222879	3.4E-07	4.15E-07	2.19E-08	7.77E-07	1.80E-07	4.55E-07	2.19E-08	6.57E-07	4.46E-08	8.11E-08	7.16E-09	1.33E-07	3.45E-08	4.51E-08	3.27E-09	8.29E-08
4380	565104.2	4222875	3.45E-07	4.22E-07	2.22E-08	7.89E-07	1.83E-07	4.62E-07	2.22E-08	6.67E-07	4.53E-08	8.24E-08	7.27E-09	1.35E-07	3.51E-08	4.59E-08	3.32E-09	8.43E-08
4381	565090.7	4222871	3.51E-07	4.28E-07	2.26E-08	8.01E-07	1.86E-07	4.69E-07	2.26E-08	6.78E-07	4.60E-08	8.37E-08	7.38E-09	1.37E-07	3.56E-08	4.66E-08	3.37E-09	8.56E-08
4382	565077.1	4222867	3.56E-07	4.35E-07	2.29E-08	8.14E-07	1.89E-07	4.77E-07	2.29E-08	6.89E-07	4.68E-08	8.50E-08	7.50E-09	1.39E-07	3.62E-08	4.73E-08	3.42E-09	8.70E-08
4383	565063.6	4222863	3.62E-07	4.42E-07	2.33E-08	8.28E-07	1.92E-07	4.85E-07	2.33E-08	7.00E-07	4.76E-08	8.64E-08	7.63E-09	1.42E-07	3.68E-08	4.81E-08	3.48E-09	8.84E-08
4384	565050	4222860	3.68E-07	4.5E-07	2.37E-08	8.42E-07	1.95E-07	4.93E-07	2.37E-08	7.12E-07	4.84E-08	8.79E-08	7.76E-09	1.44E-07	3.74E-08	4.89E-08	3.54E-09	8.99E-08
4385	565022.9	4222852	3.81E-07	4.66E-07	2.45E-08	8.72E-07	2.02E-07	5.11E-07	2.45E-08	7.37E-07	5.01E-08	9.10E-08	8.03E-09	1.49E-07	3.88E-08	5.07E-08	3.66E-09	9.31E-08
4386	565009.4	4222848	3.88E-07	4.74E-07	2.50E-08	8.87E-07	2.06E-07	5.20E-07	2.50E-08	7.51E-07	5.10E-08	9.26E-08	8.18E-09	1.52E-07	3.95E-08	5.16E-08	3.73E-09	9.48E-08
4387	564995.8	4222844	3.95E-07	4.83E-07	2.54E-08	9.03E-07	2.10E-07	5.29E-07	2.54E-08	7.64E-07	5.19E-08	9.43E-08	8.32E-09	1.55E-07	4.02E-08	5.25E-08	3.80E-09	9.65E-08
4388	564982.3	4222840	4.02E-07	4.91E-07	2.59E-08	9.20E-07	2.13E-07	5.39E-07	2.59E-08	7.78E-07	5.28E-08	9.60E-08	8.47E-09	1.57E-07	4.09E-08	5.35E-08	3.87E-09	9.82E-08
4389	564968.8	4222837	4.1E-07	5E-07	2.64E-08	9.36E-07	2.17E-07	5.48E-07	2.64E-08	7.92E-07	5.38E-08	9.77E-08	8.63E-09	1.60E-07	4.16E-08	5.44E-08	3.94E-09	1.00E-07
4390	564951.7	4222827	4.28E-07	5.22E-07	2.75E-08	9.77E-07	2.27E-07	5.72E-07	2.75E-08	8.27E-07	5.61E-08	1.02E-07	9.00E-09	1.67E-07	4.35E-08	5.68E-08	4.11E-09	1.04E-07
4391	564944.8	4222814	4.5E-07	5.5E-07	2.90E-08	1.03E-06	2.39E-07	6.03E-07	2.90E-08	8.70E-07	5.91E-08	1.07E-07	9.48E-09	1.76E-07	4.57E-08	5.98E-08	4.33E-09	1.10E-07
4392	564937.9	4222802	4.74E-07	5.79E-07	3.05E-08	1.08E-06	2.52E-07	6.35E-07	3.05E-08	9.17E-07	6.23E-08	1.13E-07	9.99E-09	1.85E-07	4.82E-08	6.30E-08	4.56E-09	1.16E-07
4393	564930.9	4222790	5E-07	6.11E-07	3.22E-08	1.14E-06	2.65E-07	6.70E-07	3.22E-08	9.67E-07	6.57E-08	1.19E-07	1.05E-08	1.96E-07	5.08E-08	6.64E-08	4.80E-09	1.22E-07
4394	564924	4222778	5.27E-07	6.44E-07	3.39E-08	1.21E-06	2.80E-07	7.06E-07	3.39E-08	1.02E-06	6.92E-08	1.26E-07	1.11E-08	2.06E-07	5.36E-08	7.00E-08	5.07E-09	1.29E-07
4395	564917	4222765	5.56E-07	6.79E-07	3.58E-08	1.27E-06	2.95E-07	7.44E-07	3.58E-08	1.07E-06	7.30E-08	1.33E-07	1.17E-08	2.17E-07	5.65E-08	7.38E-08	5.34E-09	1.36E-07
4396	564910.1	4222753	5.86E-07	7.15E-07	3.77E-08	1.34E-06	3.11E-07	7.84E-07	3.77E-08	1.13E-06	7.69E-08	1.40E-07	1.23E-08	2.29E-07	5.95E-08	7.78E-08	5.63E-09	1.43E-07
4397	564903.1	4222741	6.17E-07	7.54E-07	3.97E-08	1.41E-06	3.27E-07	8.26E-07	3.97E-08	1.19E-06	8.10E-08	1.47E-07	1.30E-08	2.41E-07	6.27E-08	8.20E-08	5.93E-09	1.51E-07

4398	564896.2	4222729	6.49E-07	7.93E-07	4.18E-08	1.48E-06	3.44E-07	8.69E-07	4.18E-08	1.26E-06	8.53E-08	1.55E-07	1.37E-08	2.54E-07	6.60E-08	8.63E-08	6.24E-09	1.58E-07
4399	564889.3	4222716	6.83E-07	8.34E-07	4.39E-08	1.56E-06	3.62E-07	9.14E-07	4.39E-08	1.32E-06	8.96E-08	1.63E-07	1.44E-08	2.67E-07	6.94E-08	9.07E-08	6.56E-09	1.67E-07
4400	564882.3	4222704	7.17E-07	8.75E-07	4.61E-08	1.64E-06	3.80E-07	9.59E-07	4.61E-08	1.39E-06	9.41E-08	1.71E-07	1.51E-08	2.80E-07	7.28E-08	9.52E-08	6.88E-09	1.75E-07
4401	564875.4	4222692	7.51E-07	9.17E-07	4.83E-08	1.72E-06	3.98E-07	1.01E-06	4.83E-08	1.45E-06	9.86E-08	1.79E-07	1.58E-08	2.94E-07	7.63E-08	9.98E-08	7.22E-09	1.83E-07
4402	564868.4	4222680	7.86E-07	9.6E-07	5.06E-08	1.80E-06	4.17E-07	1.05E-06	5.06E-08	1.52E-06	1.03E-07	1.88E-07	1.66E-08	3.07E-07	7.99E-08	1.04E-07	7.55E-09	1.92E-07
4403	564861.5	4222667	8.21E-07	1E-06	5.28E-08	1.88E-06	4.35E-07	1.10E-06	5.28E-08	1.59E-06	1.08E-07	1.96E-07	1.73E-08	3.21E-07	8.34E-08	1.09E-07	7.89E-09	2.00E-07
4404	564854.5	4222655	8.56E-07	1.05E-06	5.51E-08	1.96E-06	4.54E-07	1.15E-06	5.51E-08	1.65E-06	1.12E-07	2.04E-07	1.80E-08	3.35E-07	8.70E-08	1.14E-07	8.22E-09	2.09E-07
4405	564840.7	4222631	9.25E-07	1.13E-06	5.95E-08	2.11E-06	4.90E-07	1.24E-06	5.95E-08	1.79E-06	1.21E-07	2.21E-07	1.95E-08	3.61E-07	9.40E-08	1.23E-07	8.88E-09	2.26E-07
4406	564833.7	4222619	9.58E-07	1.17E-06	6.17E-08	2.19E-06	5.08E-07	1.28E-06	6.17E-08	1.85E-06	1.26E-07	2.29E-07	2.02E-08	3.75E-07	9.73E-08	1.27E-07	9.20E-09	2.34E-07
4407	564826.8	4222606	9.9E-07	1.21E-06	6.37E-08	2.26E-06	5.25E-07	1.33E-06	6.37E-08	1.91E-06	1.30E-07	2.36E-07	2.09E-08	3.87E-07	1.01E-07	1.32E-07	9.51E-09	2.42E-07
4408	564819.8	4222594	1.02E-06	1.25E-06	6.57E-08	2.33E-06	5.42E-07	1.37E-06	6.57E-08	1.97E-06	1.34E-07	2.44E-07	2.15E-08	3.99E-07	1.04E-07	1.36E-07	9.81E-09	2.49E-07
4409	564812.9	4222582	1.05E-06	1.28E-06	6.77E-08	2.40E-06	5.57E-07	1.41E-06	6.77E-08	2.03E-06	1.38E-07	2.51E-07	2.21E-08	4.11E-07	1.07E-07	1.40E-07	1.01E-08	2.57E-07
4410	564799	4222557	1.11E-06	1.35E-06	7.12E-08	2.53E-06	5.86E-07	1.48E-06	7.12E-08	2.14E-06	1.45E-07	2.64E-07	2.33E-08	4.32E-07	1.12E-07	1.47E-07	1.06E-08	2.70E-07
4411	564792.1	4222545	1.13E-06	1.38E-06	7.28E-08	2.58E-06	6.00E-07	1.51E-06	7.28E-08	2.19E-06	1.49E-07	2.70E-07	2.38E-08	4.42E-07	1.15E-07	1.50E-07	1.09E-08	2.76E-07
4412	564785.1	4222533	1.15E-06	1.41E-06	7.43E-08	2.64E-06	6.12E-07	1.55E-06	7.43E-08	2.23E-06	1.52E-07	2.75E-07	2.43E-08	4.51E-07	1.17E-07	1.53E-07	1.11E-08	2.82E-07
4413	564778.2	4222521	1.18E-06	1.44E-06	7.57E-08	2.69E-06	6.24E-07	1.57E-06	7.57E-08	2.27E-06	1.54E-07	2.81E-07	2.48E-08	4.60E-07	1.20E-07	1.56E-07	1.13E-08	2.87E-07
4414	564757.3	4222484	1.23E-06	1.5E-06	7.92E-08	2.81E-06	6.53E-07	1.65E-06	7.92E-08	2.38E-06	1.62E-07	2.94E-07	2.59E-08	4.81E-07	1.25E-07	1.64E-07	1.18E-08	3.00E-07
4415	564750.4	4222472	1.25E-06	1.52E-06	8.02E-08	2.85E-06	6.60E-07	1.67E-06	8.02E-08	2.41E-06	1.64E-07	2.97E-07	2.62E-08	4.87E-07	1.27E-07	1.65E-07	1.20E-08	3.04E-07
4416	565323.1	4222956	2.7E-07	3.3E-07	1.74E-08	6.17E-07	1.43E-07	3.61E-07	1.74E-08	5.22E-07	3.54E-08	6.44E-08	5.68E-09	1.06E-07	2.74E-08	3.59E-08	2.59E-09	6.59E-08
4417	565309.5	4222952	2.71E-07	3.31E-07	1.75E-08	6.20E-07	1.44E-07	3.63E-07	1.75E-08	5.24E-07	3.56E-08	6.47E-08	5.71E-09	1.06E-07	2.76E-08	3.60E-08	2.61E-09	6.62E-08
4418	565295.9	4222948	2.73E-07	3.33E-07	1.76E-08	6.23E-07	1.45E-07	3.65E-07	1.76E-08	5.27E-07	3.58E-08	6.51E-08	5.74E-09	1.07E-07	2.77E-08	3.62E-08	2.62E-09	6.66E-08
4419	565268.8	4222941	2.77E-07	3.38E-07	1.78E-08	6.33E-07	1.47E-07	3.71E-07	1.78E-08	5.35E-07	3.63E-08	6.60E-08	5.83E-09	1.08E-07	2.81E-08	3.68E-08	2.66E-09	6.76E-08
4420	565255.2	4222937	2.79E-07	3.41E-07	1.80E-08	6.39E-07	1.48E-07	3.74E-07	1.80E-08	5.40E-07	3.67E-08	6.67E-08	5.88E-09	1.09E-07	2.84E-08	3.71E-08	2.68E-09	6.82E-08
4421	565241.6	4222933	2.82E-07	3.45E-07	1.82E-08	6.45E-07	1.50E-07	3.78E-07	1.82E-08	5.46E-07	3.71E-08	6.73E-08	5.94E-09	1.10E-07	2.87E-08	3.75E-08	2.71E-09	6.89E-08
4422	565228	4222929	2.85E-07	3.49E-07	1.84E-08	6.52E-07	1.51E-07	3.82E-07	1.84E-08	5.52E-07	3.75E-08	6.81E-08	6.01E-09	1.12E-07	2.90E-08	3.79E-08	2.74E-09	6.97E-08
4423	565214.4	4222925	2.89E-07	3.53E-07	1.86E-08	6.60E-07	1.53E-07	3.87E-07	1.86E-08	5.58E-07	3.79E-08	6.89E-08	6.08E-09	1.13E-07	2.93E-08	3.84E-08	2.77E-09	7.05E-08
4424	565187.3	4222918	2.96E-07	3.62E-07	1.91E-08	6.77E-07	1.57E-07	3.97E-07	1.91E-08	5.73E-07	3.89E-08	7.07E-08	6.24E-09	1.16E-07	3.01E-08	3.93E-08	2.85E-09	7.23E-08
4425	565173.7	4222914	3E-07	3.67E-07	1.93E-08	6.86E-07	1.59E-07	4.02E-07	1.93E-08	5.80E-07	3.94E-08	7.16E-08	6.32E-09	1.17E-07	3.05E-08	3.99E-08	2.88E-09	7.33E-08
4426	565160.1	4222910	3.04E-07	3.72E-07	1.96E-08	6.95E-07	1.61E-07	4.07E-07	1.96E-08	5.88E-07	4.00E-08	7.26E-08	6.41E-09	1.19E-07	3.09E-08	4.04E-08	2.92E-09	7.43E-08
4427	565146.6	4222906	3.08E-07	3.77E-07	1.99E-08	7.05E-07	1.64E-07	4.13E-07	1.99E-08	5.96E-07	4.05E-08	7.36E-08	6.50E-09	1.21E-07	3.13E-08	4.10E-08	2.96E-09	7.53E-08
4428	565133	4222902	3.13E-07	3.82E-07	2.01E-08	7.15E-07	1.66E-07	4.19E-07	2.01E-08	6.05E-07	4.11E-08	7.46E-08	6.59E-09	1.22E-07	3.18E-08	4.16E-08	3.01E-09	7.63E-08
4429	565119.4	4222898	3.17E-07	3.87E-07	2.04E-08	7.25E-07	1.68E-07	4.25E-07	2.04E-08	6.13E-07	4.17E-08	7.57E-08	6.68E-09	1.24E-07	3.22E-08	4.21E-08	3.05E-09	7.74E-08
4430	565105.8	4222895	3.22E-07	3.93E-07	2.07E-08	7.36E-07	1.71E-07	4.31E-07	2.07E-08	6.22E-07	4.23E-08	7.68E-08	6.78E-09	1.26E-07	3.27E-08	4.28E-08	3.09E-09	7.86E-08
4431	565092.2	4222891	3.27E-07	3.99E-07	2.10E-08	7.47E-07	1.73E-07	4.37E-07	2.10E-08	6.32E-07	4.29E-08	7.79E-08	6.88E-09	1.28E-07	3.32E-08	4.34E-08	3.14E-09	7.97E-08
4432	565078.7	4222887	3.32E-07	4.05E-07	2.13E-08	7.58E-07	1.76E-07	4.44E-07	2.13E-08	6.41E-07	4.36E-08	7.91E-08	6.98E-09	1.30E-07	3.37E-08	4.41E-08	3.19E-09	8.09E-08
4433	565065.1	4222883	3.37E-07	4.11E-07	2.17E-08	7.70E-07	1.79E-07	4.51E-07	2.17E-08	6.51E-07	4.42E-08	8.04E-08	7.09E-09	1.32E-07	3.42E-08	4.47E-08	3.24E-09	8.22E-08
4434	565051.5	4222879	3.42E-07	4.18E-07	2.20E-08	7.82E-07	1.81E-07	4.58E-07	2.20E-08	6.62E-07	4.49E-08	8.16E-08	7.21E-09	1.34E-07	3.48E-08	4.55E-08	3.29E-09	8.35E-08
4435	565024.3	4222872	3.54E-07	4.32E-07	2.28E-08	8.08E-07	1.87E-07	4.73E-07	2.28E-08	6.84E-07	4.64E-08	8.44E-08	7.45E-09	1.38E-07	3.59E-08	4.70E-08	3.40E-09	8.63E-08
4436	565010.8	4222868	3.6E-07	4.39E-07	2.31E-08	8.22E-07	1.91E-07	4.81E-07	2.31E-08	6.95E-07	4.72E-08	8.58E-08	7.57E-09	1.41E-07	3.65E-08	4.78E-08	3.45E-09	8.78E-08
4437	564997.2	4222864	3.66E-07	4.47E-07	2.35E-08	8.36E-07	1.94E-07	4.90E-07	2.35E-08	7.07E-07	4.80E-08	8.73E-08	7.70E-09	1.43E-07	3.72E-08	4.86E-08	3.51E-09	8.93E-08
4438	564983.6	4222860	3.72E-07	4.55E-07	2.40E-08	8.51E-07	1.97E-07	4.98E-07	2.40E-08	7.20E-07	4.89E-08	8.88E-08	7.84E-09	1.46E-07	3.78E-08	4.94E-08	3.58E-09	9.08E-08
4439	564970	4222856	3.79E-07	4.63E-07	2.44E-08	8.66E-07	2.01E-07	5.07E-07	2.44E-08	7.32E-07	4.97E-08	9.04E-08	7.98E-09	1.48E-07	3.85E-08	5.03E-08	3.64E-09	9.24E-08
4440	564956.4	4222852	3.85E-07	4.71E-07	2.48E-08	8.81E-07	2.04E-07	5.16E-07	2.48E-08	7.45E-07	5.06E-08	9.20E-08	8.12E-09	1.51E-07	3.92E-08	5.12E-08	3.70E-09	9.41E-08
4441	564939.4	4222842	4.02E-07	4.91E-07	2.59E-08	9.19E-07	2.13E-07	5.38E-07	2.59E-08	7.77E-07	5.28E-08	9.59E-08	8.46E-09	1.57E-07	4.08E-08	5.34E-08	3.86E-09	9.81E-08
4442	564932.4	4222830	4.23E-07	5.16E-07	2.72E-08	9.66E-07	2.24E-07	5.66E-07	2.72E-08	8.17E-07	5.55E-08	1.01E-07	8.90E-09	1.65E-07	4.29E-08	5.61E-08	4.06E-09	1.03E-07
4443	564925.5	4222818	4.45E-07	5.43E-07	2.86E-08	1.02E-06	2.36E-07	5.95E-07	2.86E-08	8.60E-07	5.84E-08	1.06E-07	9.36E-09	1.74E-07	4.52E-08	5.91E-08	4.27E-09	1.09E-07
4444	564918.5	4222806	4.68E-07	5.72E-07	3.01E-08	1.07E-06	2.48E-07	6.27E-07	3.01E-08	9.05E-07	6.15E-08	1.12E-07	9.86E-09	1.83E-07	4.76E-08	6.22E-08	4.50E-09	1.14E-07
4445	564911.5	4222793	4.93E-07	6.02E-07	3.17E-08	1.13E-06	2.61E-07	6.60E-07	3.17E-08	9.53E-07	6.47E-08	1.18E-07	1.04E-08	1.93E-07	5.01E-08	6.55E-08	4.74E-09	1.20E-07
4446	564904.6	4222781	5.19E-07	6.34E-07	3.34E-08	1.19E-06	2.75E-07	6.95E-07	3.34E-08	1.00E-06	6.82E-08	1.24E-07	1.09E-08	2.03E-07	5.28E-08	6.90E-08	4.99E-09	1.27E-07
4447	564897.6	4222769	5.47E-07	6.68E-07	3.52E-08	1.25E-06	2.90E-07	7.32E-07	3.52E-08	1.06E-06	7.18E-08	1.30E-07	1.15E-08	2.14E-07	5.56E-08	7.26E-08	5.25E-09	1.33E-07
4448	564890.7	4222756	5.75E-07	7.03E-07	3.70E-08	1.31E-06	3.05E-07	7.70E-07	3.70E-08	1.11E-06	7.55E-08	1.37E-07	1.21E-08	2.25E-07	5.85E-08	7.64E-08	5.53E-09	1.40E-07
4449	564883.7	4222744	6.05E-07	7.39E-07	3.89E-08	1.38E-06	3.21E-07	8.10E-07	3.89E-08	1.17E-06	7.94E-08	1.44E-07	1.27E-08	2.37E-07	6.15E-08	8.04E-08	5.81E-09	1.48E-07
4450	564876.7	4222732	6.36E-07	7.76E-07	4.09E-08	1.45E-06	3.37E-07	8.51E-07	4.09E-08	1.23E-06	8.35E-08	1.52E-07	1.34E-08	2.49E-07	6.46E-08	8.44E-08	6.11E-09	1.55E-07
4451	564869.8	4222720	6.67E-07	8.15E-07	4.29E-08	1.52E-06	3.54E-07	8.93E-07	4.29E-08	1.29E-06	8.76E-08	1.59E-07	1.40E-08	2.61E-07	6.78E-08	8.86E-08	6.41E-09	1.63E-07
4452	564862.8	4222707	6.99E-07	8.54E-07	4.50E-08	1.60E-06	3.71E-07	9.36E-07	4.50E-08	1.35E-06	9.18E-08	1.67E-07	1.47E-08	2.73E-07	7.10E-08	9.29E-08	6.72E-09	1.71E-07
4453	564855.9	4222695	7.32E-07	8.93E-07	4.71E-08	1.67E-06	3.88E-07	9.79E-07	4.71E-08	1.41E-06	9.61E-08	1.75E-07	1.54E-08	2.86E-07	7.43E-08	9.72E-08	7.03E-09	1.79E-07
4454	564848.9	4222683	7.64E-07	9.33E-07	4.92E-08	1.75E-06	4.05E-07	1.02E-06	4.92E-08	1.48E-06	1.00E-07	1.82E-07	1.61E-08	2.99E-07	7.77E-08	1.02E-07	7.34E-09	1.87E-07
4455	564841.9	4222671	7.97E-07	9.73E-07	5.13E-08	1.82E-06	4.23E-07	1.07E-06	5.13E-08	1.54E-06	1.05E-07	1.90E-07	1.68E-08	3.12E-07	8.10E-08	1.06E-07	7.66E-09	1.95E-07
4456	564835	4222658	8.29E-07	1.01E-06	5.34E-08	1.90E-06	4.40E-07	1.11E-06	5.34E-08	1.60E-06	1.09E-07	1.98E-07	1.75E-08	3.24E-07	8.43E-08	1.10E-07	7.97E-09	2.02E-07
4457	564821.1	4222634	8.93E-07	1.09E-06	5.75E-08	2.04E-06	4.73E-07	1.20E-06	5.75E-08	1.73E-06	1.17E-07	2.13E-07	1.88E-08	3.49E-07	9.08E-08	1.19E-07	8.58E-09	2.18E-07
4458	564800.2	4222597	9.82E-07	1.2E-06	6.32E-08	2.25E-06	5.21E-07	1.32E-06	6.32E-08	1.90E-06	1.29E-07	2.34E-07	2.07E-08	3.84E-07	9.98E-08	1.30E-07	9.44E-09	2.40E-07
4459	564793.2	4222585	1.01E-06	1.23E-06	6.50E-08	2.31E-06	5.35E-07	1.35E-06	6.50E-08	1.95E-06	1.33E-07	2.41E-07	2.13E-08	3.95E-07	1.03E-07	1.34E-07	9.70E-09	2.46E-07
4460	564786.3	4222572	1.04E-06	1.27E-06	6.67E-08	2.37E-06	5.49E-07	1.39E-06	6.67E-08	2.00E-06	1.36E-07	2.47E-07	2.18E-08	4.05E-07	1.05E-07	1.38E-07	9.95E-09	2.53E-07
4461	564779.3	4222560	1.06E-06	1.29E-06	6.82E-08	2.42E-06	5.62E-07	1.42E-06	6.82E-08	2.05E-06	1.39E-07	2.53E-07	2.23E-08	4.14E-07	1.08E-07	1.41E-07	1.02E-08	2.59E-07
4462	564772.3	4222548	1.08E-06	1.32E-06	6.97E-08	2.47E-06	5.74E-07	1.45E-06	6.97E-08	2.09E-06	1.42E-07	2.58E-07	2.28E-08	4.23E-07	1.10E-07	1.44E-07	1.04E-08	2.64E-07
4463	564765.4	4222535	1.1E-06	1.35E-06	7.11E-08	2.52E-06	5.86E-07	1.48E-06	7.11E-08	2.14E-06	1.45E-07	2.64E-07	2.33E-08	4.32E-07	1.12E-07	1.47E-07	1.06E-08	2.70E-07
4464	564758.4	4222523	1.12E-06	1.37E-06	7.24E-08	2.57E-06	5.96E-07	1.51E-06	7.24E-08	2.17E-06	1.48E-07	2.68E-07	2.37E-08	4.40E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
4465	564737.5	4222486	1.17E-06	1.43E-06	7.56E-08	2.68E-06	6.23E-07	1.57E-06	7.56E-08	2.27E-06	1.54E-07	2.80E-07	2.47E-08	4.59E-07	1.19E-07	1.56E-07	1.13E-08	2.87E-07
4466	565325.2	4222976	2.55E-07	3.12E-07	1.64E-08	5.83E-07	1.35E-07	3.42E-07	1.64E-08	4.94E-07	3.35E-08	6.09E-08	5.38E-09	9.98E-08	2.59E-08	3.39E-08	2.45E-09	6.23E-08
4467	565311.6	4222972	2.56E-07	3.13E-07	1.65E-08	5.86E-07	1.36E-07	3.43E-07	1.65E-08	4.95E-07	3.37E-08	6.11E-08	5.40E-09	1.00E-07	2.60E-08	3.40E-08	2.46E-09	6.25E-08
4468	565298	4222968	2.58E-07	3.15E-07	1.66E-08	5.89E-07	1.37E-07	3.45E-07	1.66E-08	4.98E-07	3.38E-08	6.14E-08	5.42E-09	1.01E-07	2.62E-08	3.42E-08	2.47E-09	6.29E-08
4469	565270.8	4222960	2.61E-07	3.19E-07	1.68E-08	5.97E-07	1.38E-07	3.49E-07	1.68E-08	5.05E-07	3.43E-08	6.23E-08	5.50E-09	1.02E-07	2.65E-08	3.47E-08	2.51E-09	6.37E-08
4470	565257.2	4222957	2.63E-07	3.22E-07	1.69E-08	6.02E-07	1.40E-07	3.52E-07	1.69E-08	5.09E-07	3.46E-08	6.28E-08	5.54E-09	1.03E-07	2.68E-08	3.50E-08	2.53E-09	6.43E-08
4471	565243.6	4222953	2.66E-07	3.25E-07	1.71E-08	6.07E-07	1.41E-07	3.56E-07	1.71E-08	5.14E-07	3.49E-08	6.34E-08	5.60E-09	1.04E-07	2.70E-08	3.53E-08	2.55E-09	6.49E-08
4472	565230	4222949	2.69E-07	3.28E-07	1.73E-08	6.14E-07	1.42E-07	3.60E-07	1.73E-08	5.19E-07	3.53E-08	6.41E-08	5.66E-09	1.05E-07	2.73E-08	3.57E-08	2.58E-09	6.55E-08
4473	565216.4	4222945	2.72E-07	3.32E-07	1.75E-08	6.21E-07	1.44E-07	3.64E-07	1.75E-08	5.25E-07	3.57E-08	6.48E-08	5.72E-09	1.06E-07	2.76E-08	3.61E-08	2.61E-09	6.63E-08
4474	565189.1	4222937	2.78E-07	3.4E-07	1.79E-08	6.36E-07	1.47E-07	3.72E-07	1.79E-08	5.38E-07	3.65E-08	6.64E-08	5.86E-09	1.09E-07	2.83E-08	3.70E-08	2.67E-09	6.79E-08
4475	565175.5	4222934	2.82E-07	3.44E-07	1.81E-08	6.44E-07	1.49E-07	3.77E-07	1.81E-08	5.45E-07	3.70E-08	6.72E-08	5.93E-09	1.10E-07	2.86E-08	3.74E-08	2.71E-09	6.88E-08
4476	565161.9	4222930	2.85E-07	3.49E-07	1.84E-08	6.52E-07	1.51E-07	3.82E-07	1.84E-08	5.52E-07	3.75E-08	6.81E-08	6.01E-09	1.12E-07	2.90E-08	3.79E-08	2.74E-09	6.97E-08
4477	565148.3	4222926	2.89E-07	3.53E-07	1.86E-08	6.61E-07	1.53E-07	3.87E-07	1.86E-08	5.59E-07	3.80E-08	6.90E-08	6.09E-09	1.13E-07	2.94E-08	3.84E-08	2.78E-09	7.06E-08
4478	565134.7	4222922	2.93E-07	3.58E-07	1.89E-08	6.70E-07	1.55E-07	3.92E-07	1.89E-08	5.67E-07	3.85E-08	6.99E-08	6.17E-09	1.15E-07	2.98E-08	3.89E-08	2.82E-09	7.15E-08
4479	565107.5	4222914	3.01E-07	3.68E-07	1.94E-08	6.88E-07	1.60E-07	4.03E-07	1.94E-08	5.82E-07	3.95E-08	7.19E-08	6.34E-09	1.18E-07	3.06E-08	4.00E-08	2.89E-09	7.35E-08
4480	565093.9	4222910	3.05E-07	3.73E-07	1.97E-08	6.98E-07	1.62E-07	4.09E-07	1.97E-08	5.90E-07	4.01E-08	7.29E-08	6.43E-09	1.19E-07	3.10E-08	4.06E-08	2.93E-09	7.45E-08
4481	565080.2	4222907	3.1E-07	3.78E-07	1.99E-08	7.08E-07	1.64E-07	4.15E-07	1.99E-08	5.99E-07	4.07E-08	7.39E-08	6.52E-09	1.21E-07	3.15E-08	4.11E-08	2.98E-09	7.56E-08
4482	565066.6	4222903	3.14E-07	3.84E-07	2.02E-08	7.18E-07	1.67E-07	4.21E-07	2.02E-08	6.08E-07	4.13E-08	7.50E-08	6.62E-09	1.23E-07	3.19E-08	4.17E-08	3.02E-09	7.67E-08
4483	565053	4222899	3.19E-07	3.9E-07	2.05E-08	7.29E-07	1.69E-07	4.27E-07	2.05E-08	6.17E-07	4.19E-08	7.61E-08	6.72E-09	1.25E-07	3.24E-08	4.24E-08	3.06E-09	7.78E-08
4484	565025.8	4222891	3.29E-07	4.02E-07	2.12E-08	7.52E-07	1.74E-07	4.40E-07	2.12E-08	6.36E-07	4.32E-08	7.85E-08	6.93E-09	1.29E-07	3.34E-08	4.37E-08	3.16E-09	8.03E-08
4485	565012.2	4222887	3.34E-07	4.08E-07	2.15E-08	7.64E-07	1.77E-07	4.47E-07	2.15E-08	6.46E-07	4.39E-08	7.97E-08	7.04E-09	1.31E-07	3.40E-08	4.44E-08	3.21E-09	8.16E-08
4486	564998.6	4222884	3.4E-07	4.15E-07	2.19E-08	7.76E-07	1.80E-07	4.55E-07	2.19E-08	6.57E-07	4.46E-08	8.10E-08	7.15E-09	1.33E-07	3.45E-08	4.51E-08	3.26E-09	8.29E-08
4487	564985	4222880	3.45E-07	4.22E-07	2.22E-08	7.89E-07	1.83E-07	4.62E-07	2.22E-08	6.68E-07	4.54E-08	8.24E-08	7.27E-09	1.35E-07	3.51E-08	4.59E-08	3.32E-09	8.43E-08
4488	564971.4	4222876	3.51E-07	4.29E-07	2.26E-08	8.03E-07	1.86E-07	4.70E-07	2.26E-08	6.79E-07	4.61E-08	8.38E-08	7.40E-09	1.37E-07	3.57E-08	4.67E-08	3.37E-09	8.57E-08
4489	564957.7	4222872	3.57E-07	4.36E-07	2.30E-08	8.17E-07	1.89E-07	4.78E-07	2.30E-08	6.91E-07	4.69E-08	8.52E-08	7.52E-09	1.40E-07	3.63E-08	4.75E-08	3.43E-09	8.72E-08
4490	564944.1	4222868	3.63E-07	4.44E-07	2.34E-08	8.30E-07	1.93E-07	4.86E-07	2.34E-08	7.02E-07	4.77E-08	8.67E-08	7.65E-09	1.42E-07	3.69E-08	4.83E-08	3.49E-09	8.87E-08
4491	564927	4222858	3.79E-07	4.62E-07	2.44E-08	8.65E-07	2.01E-07	5.07E-07	2.44E-08	7.32E-07	4.97E-08	9.03E-08	7.97E-09	1.48E-07	3.85E-08	5.03E-08	3.64E-09	9.24E-08
4492	564920.1	4222846	3.97E-07	4.85E-07	2.56E-08	9.08E-07	2.11E-07	5.32E-07	2.56E-08	7.68E-07	5.22E-08	9.48E-08	8.37E-09	1.55E-07	4.04E-08	5.28E-08	3.82E-09	9.70E-08
4493	564913.1	4222834	4.18E-07	5.1E-07	2.69E-08	9.55E-07	2.21E-07	5.59E-07	2.69E-08	8.08E-07	5.49E-08	9.96E-08	8.80E-09	1.63E-07	4.24E-08	5.55E-08	4.01E-09	1.02E-07
4494	564906.1	4222821	4.39E-07	5.36E-07	2.83E-08	1.00E-06	2.33E-07	5.88E-07	2.83E-08	8.49E-07	5.77E-08	1.05E-07	9.25E-09	1.72E-07	4.46E-08	5.83E-08	4.22E-09	1.07E-07
4495	564899.1	4222809	4.62E-07	5.64E-07	2.97E-08	1.06E-06	2.45E-07	6.19E-07	2.97E-08	8.93E-07	6.07E-08	1.10E-07	9.73E-09	1.81E-07	4.69E-08	6.14E-08	4.44E-09	1.13E-07
4496	564892.1	4222797	4.86E-07	5.94E-07	3.13E-08	1.11E-06	2.58E-07	6.51E-07	3.13E-08	9.40E-07	6.38E-08	1.16E-07	1.02E-08	1.90E-07	4.94E-08	6.46E-08	4.67E-09	1.19E-07
4497	564885.2	4222784	5.11E-07	6.24E-07	3.29E-08	1.17E-06	2.71E-07	6.84E-07	3.29E-08	9.88E-07	6.71E-08	1.22E-07	1.08E-08	2.00E-07	5.20E-08	6.79E-08	4.91E-09	1.25E-07
4498	564878.2	4222772	5.38E-07	6.57E-07	3.46E-08	1.23E-06	2.85E-07	7.20E-07	3.46E-08	1.04E-06	7.06E-08	1.28E-07	1.13E-08	2.10E-07	5.46E-08	7.14E-08	5.16E-09	1.31E-07
4499	564871.2	4222760	5.65E-07	6.9E-07	3.64E-08	1.29E-06	2.99E-07	7.56E-07	3.64E-08	1.09E-06	7.42E-08	1.35E-07	1.19E-08	2.21E-07	5.74E-08	7.50E-08	5.43E-09	1.38E-07
4500	564864.2	4222747	5.93E-07	7.24E-07	3.82E-08	1.36E-06	3.14E-07	7.94E-07	3.82E-08	1.15E-06	7.79E-08	1.42E-07	1.25E-08	2.32E-07	6.03E-08	7.88E-08	5.70E-09	1.45E-07
4501	564857.3	4222735	6.22E-07	7.6E-07	4.00E-08	1.42E-06	3.30E-07	8.33E-07	4.00E-08	1.20E-06	8.17E-08	1.48E-07	1.31E-08	2.43E-07	6.32E-08	8.27E-08	5.98E-09	1.52E-07
4502	564850.3	4222723	6.52E-07	7.96E-07	4.20E-08	1.49E-06	3.46E-07	8.73E-07	4.20E-08	1.26E-06	8.56E-08	1.56E-07	1.37E-08	2.55E-07	6.63E-08	8.66E-08	6.26E-09	1.59E-07
4503	564843.3	4222710	6.82E-07	8.33E-07	4.39E-08	1.56E-06	3.62E-07	9.13E-07	4.39E-08	1.32E-06	8.96E-08	1.63E-07	1.44E-08	2.67E-07	6.93E-08	9.06E-08	6.55E-09	1.66E-07
4504	564836.3	4222698	7.13E-07	8.7E-07	4.59E-08	1.63E-06	3.78E-07	9.54E-07	4.59E-08	1.38E-06	9.36E-08	1.70E-07	1.50E-08	2.79E-07	7.24E-08	9.47E-08	6.85E-09	1.74E-07
4505	564829.4	4222686	7.43E-07	9.08E-07	4.78E-08	1.70E-06	3.94E-07	9.95E-07	4.78E-08	1.44E-06	9.76E-08	1.77E-07	1.57E-08	2.91E-07	7.55E-08	9.87E-08	7.14E-09	1.81E-07
4506	564822.4	4222674	7.74E-07	9.45E-07	4.98E-08	1.77E-06	4.10E-07	1.04E-06	4.98E-08	1.50E-06	1.02E-07	1.85E-07	1.63E-08	3.03E-07	7.86E-08	1.03E-07	7.43E-09	1.89E-07
4507	564815.4	4222661	8.04E-07	9.82E-07	5.18E-08	1.84E-06	4.26E-07	1.08E-06	5.18E-08	1.55E-06	1.06E-07	1.92E-07	1.69E-08	3.14E-07	8.17E-08	1.07E-07	7.73E-09	1.96E-07

4508	564801.5	4222637	8.63E-07	1.05E-06	5.55E-08	1.97E-06	4.58E-07	1.16E-06	5.55E-08	1.67E-06	1.13E-07	2.06E-07	1.82E-08	3.37E-07	8.77E-08	1.15E-07	8.29E-09	2.11E-07
4509	564794.5	4222624	8.91E-07	1.09E-06	5.74E-08	2.04E-06	4.73E-07	1.19E-06	5.74E-08	1.72E-06	1.17E-07	2.13E-07	1.88E-08	3.49E-07	9.06E-08	1.18E-07	8.57E-09	2.18E-07
4510	564787.5	4222612	9.19E-07	1.12E-06	5.91E-08	2.10E-06	4.87E-07	1.23E-06	5.91E-08	1.78E-06	1.21E-07	2.19E-07	1.94E-08	3.59E-07	9.34E-08	1.22E-07	8.83E-09	2.24E-07
4511	564780.5	4222600	9.45E-07	1.15E-06	6.08E-08	2.16E-06	5.01E-07	1.27E-06	6.08E-08	1.83E-06	1.24E-07	2.26E-07	1.99E-08	3.70E-07	9.61E-08	1.26E-07	9.08E-09	2.31E-07
4512	564773.5	4222587	9.71E-07	1.19E-06	6.25E-08	2.22E-06	5.15E-07	1.30E-06	6.25E-08	1.88E-06	1.27E-07	2.32E-07	2.04E-08	3.80E-07	9.86E-08	1.29E-07	9.33E-09	2.37E-07
4513	564766.6	4222575	9.95E-07	1.21E-06	6.40E-08	2.27E-06	5.27E-07	1.33E-06	6.40E-08	1.92E-06	1.31E-07	2.37E-07	2.09E-08	3.89E-07	1.01E-07	1.32E-07	9.56E-09	2.43E-07
4514	564759.6	4222563	1.02E-06	1.24E-06	6.55E-08	2.32E-06	5.39E-07	1.36E-06	6.55E-08	1.97E-06	1.34E-07	2.43E-07	2.14E-08	3.98E-07	1.03E-07	1.35E-07	9.77E-09	2.48E-07
4515	564752.6	4222550	1.04E-06	1.27E-06	6.68E-08	2.37E-06	5.51E-07	1.39E-06	6.68E-08	2.01E-06	1.36E-07	2.48E-07	2.19E-08	4.06E-07	1.06E-07	1.38E-07	9.98E-09	2.53E-07
4516	564745.6	4222538	1.06E-06	1.29E-06	6.81E-08	2.42E-06	5.61E-07	1.42E-06	6.81E-08	2.05E-06	1.39E-07	2.52E-07	2.23E-08	4.14E-07	1.08E-07	1.41E-07	1.02E-08	2.58E-07
4517	564738.7	4222526	1.08E-06	1.31E-06	6.93E-08	2.46E-06	5.70E-07	1.44E-06	6.93E-08	2.08E-06	1.41E-07	2.57E-07	2.27E-08	4.21E-07	1.09E-07	1.43E-07	1.03E-08	2.63E-07
4518	564717.7	4222489	1.12E-06	1.37E-06	7.22E-08	2.56E-06	5.95E-07	1.50E-06	7.22E-08	2.17E-06	1.47E-07	2.68E-07	2.36E-08	4.39E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
4519	564710.8	4222477	1.13E-06	1.39E-06	7.30E-08	2.59E-06	6.01E-07	1.52E-06	7.30E-08	2.19E-06	1.49E-07	2.71E-07	2.39E-08	4.43E-07	1.15E-07	1.51E-07	1.09E-08	2.77E-07
4520	565318.1	4222992	2.43E-07	2.97E-07	1.57E-08	5.56E-07	1.29E-07	3.26E-07	1.57E-08	4.70E-07	3.20E-08	5.81E-08	5.12E-09	9.51E-08	2.47E-08	3.23E-08	2.34E-09	5.94E-08
4521	565214.4	4222859	3.62E-07	4.43E-07	2.33E-08	8.28E-07	1.92E-07	4.85E-07	2.33E-08	7.01E-07	4.76E-08	8.65E-08	7.63E-09	1.42E-07	3.68E-08	4.81E-08	3.48E-09	8.85E-08
4522	565191.5	4222956	2.63E-07	3.21E-07	1.69E-08	6.00E-07	1.39E-07	3.52E-07	1.69E-08	5.08E-07	3.45E-08	6.27E-08	5.53E-09	1.03E-07	2.67E-08	3.49E-08	2.52E-09	6.41E-08
4523	565186.9	4222976	2.48E-07	3.03E-07	1.60E-08	5.67E-07	1.32E-07	3.32E-07	1.60E-08	4.80E-07	3.26E-08	5.92E-08	5.22E-09	9.70E-08	2.52E-08	3.30E-08	2.38E-09	6.06E-08
4524	565119.1	4222869	3.52E-07	4.3E-07	2.27E-08	8.05E-07	1.87E-07	4.72E-07	2.27E-08	6.81E-07	4.62E-08	8.40E-08	7.42E-09	1.38E-07	3.58E-08	4.68E-08	3.38E-09	8.60E-08
4525	565111	4222887	3.3E-07	4.03E-07	2.13E-08	7.55E-07	1.75E-07	4.42E-07	2.13E-08	6.38E-07	4.34E-08	7.88E-08	6.95E-09	1.29E-07	3.36E-08	4.39E-08	3.17E-09	8.06E-08
4526	565102.9	4222905	3.1E-07	3.79E-07	2.00E-08	7.09E-07	1.65E-07	4.15E-07	2.00E-08	6.00E-07	4.08E-08	7.40E-08	6.54E-09	1.21E-07	3.15E-08	4.12E-08	2.98E-09	7.57E-08
4527	565091.9	4222922	2.94E-07	3.59E-07	1.89E-08	6.71E-07	1.56E-07	3.93E-07	1.89E-08	5.68E-07	3.86E-08	7.00E-08	6.18E-09	1.15E-07	2.98E-08	3.90E-08	2.82E-09	7.17E-08
4528	565083.9	4222941	2.77E-07	3.38E-07	1.78E-08	6.33E-07	1.47E-07	3.71E-07	1.78E-08	5.36E-07	3.64E-08	6.61E-08	5.84E-09	1.08E-07	2.82E-08	3.68E-08	2.66E-09	6.76E-08
4529	565182.2	4222656	1.02E-06	1.24E-06	6.54E-08	2.32E-06	5.39E-07	1.36E-06	6.54E-08	1.97E-06	1.34E-07	2.43E-07	2.14E-08	3.98E-07	1.03E-07	1.35E-07	9.77E-09	2.48E-07
4530	565170.8	4222673	9.12E-07	1.11E-06	5.87E-08	2.08E-06	4.83E-07	1.22E-06	5.87E-08	1.76E-06	1.20E-07	2.17E-07	1.92E-08	3.56E-07	9.26E-08	1.21E-07	8.76E-09	2.22E-07
4531	565159.4	4222689	8.23E-07	1.01E-06	5.30E-08	1.88E-06	4.37E-07	1.10E-06	5.30E-08	1.59E-06	1.08E-07	1.96E-07	1.73E-08	3.22E-07	8.37E-08	1.09E-07	7.91E-09	2.01E-07
4532	565141.7	4222701	7.68E-07	9.38E-07	4.94E-08	1.76E-06	4.07E-07	1.03E-06	4.94E-08	1.48E-06	1.01E-07	1.83E-07	1.62E-08	3.00E-07	7.81E-08	1.02E-07	7.38E-09	1.87E-07
4533	565130.3	4222718	7E-07	8.55E-07	4.50E-08	1.60E-06	3.71E-07	9.37E-07	4.50E-08	1.35E-06	9.19E-08	1.67E-07	1.47E-08	2.74E-07	7.11E-08	9.30E-08	6.72E-09	1.71E-07
4534	565118.9	4222734	6.41E-07	7.83E-07	4.13E-08	1.46E-06	3.40E-07	8.58E-07	4.13E-08	1.24E-06	8.42E-08	1.53E-07	1.35E-08	2.51E-07	6.51E-08	8.51E-08	6.16E-09	1.56E-07
4535	565107.5	4222751	5.89E-07	7.2E-07	3.79E-08	1.35E-06	3.13E-07	7.89E-07	3.79E-08	1.14E-06	7.74E-08	1.41E-07	1.24E-08	2.30E-07	5.99E-08	7.83E-08	5.66E-09	1.44E-07
4536	565096.1	4222767	5.44E-07	6.65E-07	3.50E-08	1.24E-06	2.89E-07	7.29E-07	3.50E-08	1.05E-06	7.15E-08	1.30E-07	1.15E-08	2.13E-07	5.53E-08	7.23E-08	5.23E-09	1.33E-07
4537	565084.7	4222783	5.05E-07	6.16E-07	3.25E-08	1.15E-06	2.68E-07	6.76E-07	3.25E-08	9.76E-07	6.63E-08	1.20E-07	1.06E-08	1.97E-07	5.13E-08	6.70E-08	4.85E-09	1.23E-07
4538	565055.6	4222812	4.47E-07	5.45E-07	2.87E-08	1.02E-06	2.37E-07	5.98E-07	2.87E-08	8.63E-07	5.87E-08	1.07E-07	9.41E-09	1.75E-07	4.54E-08	5.93E-08	4.29E-09	1.09E-07
4539	565026.5	4222840	3.99E-07	4.87E-07	2.57E-08	9.12E-07	2.12E-07	5.34E-07	2.57E-08	7.71E-07	5.24E-08	9.52E-08	8.40E-09	1.56E-07	4.05E-08	5.30E-08	3.83E-09	9.74E-08
4540	565015.1	4222857	3.75E-07	4.57E-07	2.41E-08	8.56E-07	1.99E-07	5.01E-07	2.41E-08	7.24E-07	4.92E-08	8.94E-08	7.89E-09	1.46E-07	3.81E-08	4.98E-08	3.60E-09	9.14E-08
4541	565003.7	4222873	3.52E-07	4.3E-07	2.27E-08	8.06E-07	1.87E-07	4.72E-07	2.27E-08	6.81E-07	4.63E-08	8.41E-08	7.42E-09	1.38E-07	3.58E-08	4.68E-08	3.39E-09	8.60E-08
4542	564992.3	4222890	3.32E-07	4.06E-07	2.14E-08	7.60E-07	1.76E-07	4.45E-07	2.14E-08	6.43E-07	4.37E-08	7.93E-08	7.00E-09	1.30E-07	3.38E-08	4.42E-08	3.19E-09	8.11E-08
4543	565004.8	4222898	3.22E-07	3.93E-07	2.07E-08	7.35E-07	1.70E-07	4.31E-07	2.07E-08	6.22E-07	4.22E-08	7.67E-08	6.77E-09	1.26E-07	3.27E-08	4.27E-08	3.09E-09	7.85E-08
4544	565003.3	4222169	2.87E-06	3.5E-06	1.84E-07	6.55E-06	1.52E-06	3.84E-06	1.84E-07	5.54E-06	3.76E-07	6.84E-07	6.04E-08	1.12E-06	2.91E-07	3.81E-07	2.75E-08	7.00E-07
4545	564992	4222150	2.61E-06	3.19E-06	1.68E-07	5.97E-06	1.38E-06	3.50E-06	1.68E-07	5.05E-06	3.43E-07	6.23E-07	5.50E-08	1.02E-06	2.65E-07	3.47E-07	2.51E-08	6.38E-07
4546	564975.6	4222139	2.42E-06	2.95E-06	1.55E-07	5.52E-06	1.28E-06	3.23E-06	1.55E-07	4.67E-06	3.17E-07	5.76E-07	5.09E-08	9.44E-07	2.45E-07	3.21E-07	2.32E-08	5.90E-07
4547	564950.4	4222175	2.53E-06	3.09E-06	1.63E-07	5.78E-06	1.34E-06	3.38E-06	1.63E-07	4.89E-06	3.32E-07	6.03E-07	5.32E-08	9.88E-07	2.57E-07	3.36E-07	2.43E-08	6.17E-07
4548	564959.2	4222127	2.24E-06	2.74E-06	1.44E-07	5.12E-06	1.19E-06	3.00E-06	1.44E-07	4.33E-06	2.94E-07	5.34E-07	4.72E-08	8.76E-07	2.28E-07	2.98E-07	2.15E-08	5.47E-07
4549	564922.7	4222145	2.18E-06	2.66E-06	1.40E-07	4.98E-06	1.15E-06	2.92E-06	1.40E-07	4.21E-06	2.86E-07	5.20E-07	4.59E-08	8.51E-07	2.21E-07	2.89E-07	2.09E-08	5.31E-07
4550	564840.8	4222087	1.58E-06	1.93E-06	1.02E-07	3.62E-06	8.39E-07	2.12E-06	1.02E-07	3.06E-06	2.08E-07	3.78E-07	3.33E-08	6.19E-07	1.61E-07	2.10E-07	1.52E-08	3.86E-07
4551	564835.8	4222094	1.6E-06	1.95E-06	1.03E-07	3.65E-06	8.48E-07	2.14E-06	1.03E-07	3.09E-06	2.10E-07	3.81E-07	3.37E-08	6.25E-07	1.62E-07	2.12E-07	1.54E-08	3.90E-07
4552	564963.8	4222230	2.93E-06	3.58E-06	1.89E-07	6.70E-06	1.56E-06	3.93E-06	1.89E-07	5.67E-06	3.85E-07	7.00E-07	6.18E-08	1.15E-06	2.98E-07	3.90E-07	2.82E-08	7.16E-07
4553	564969	4222222	2.94E-06	3.6E-06	1.90E-07	6.73E-06	1.56E-06	3.94E-06	1.90E-07	5.69E-06	3.87E-07	7.02E-07	6.20E-08	1.15E-06	2.99E-07	3.91E-07	2.83E-08	7.19E-07
4554	564979.3	4222204	2.94E-06	3.59E-06	1.89E-07	6.73E-06	1.56E-06	3.94E-06	1.89E-07	5.69E-06	3.87E-07	7.02E-07	6.20E-08	1.15E-06	2.99E-07	3.91E-07	2.83E-08	7.18E-07
4555	564942.2	4222228	2.73E-06	3.33E-06	1.76E-07	6.23E-06	1.45E-06	3.65E-06	1.76E-07	5.27E-06	3.58E-07	6.51E-07	5.74E-08	1.07E-06	2.77E-07	3.62E-07	2.62E-08	6.66E-07
4556	564949.9	4222215	2.74E-06	3.35E-06	1.76E-07	6.27E-06	1.45E-06	3.67E-06	1.76E-07	5.30E-06	3.60E-07	6.54E-07	5.77E-08	1.07E-06	2.79E-07	3.64E-07	2.63E-08	6.69E-07
4557	564955.1	4222206	2.74E-06	3.35E-06	1.77E-07	6.27E-06	1.45E-06	3.67E-06	1.77E-07	5.30E-06	3.60E-07	6.54E-07	5.78E-08	1.07E-06	2.79E-07	3.64E-07	2.64E-08	6.70E-07
4558	564932.2	4222205	2.56E-06	3.13E-06	1.65E-07	5.85E-06	1.36E-06	3.43E-06	1.65E-07	4.95E-06	3.36E-07	6.11E-07	5.39E-08	1.00E-06	2.60E-07	3.40E-07	2.46E-08	6.25E-07
4559	564938.7	4222195	2.56E-06	3.12E-06	1.65E-07	5.84E-06	1.36E-06	3.42E-06	1.65E-07	4.94E-06	3.36E-07	6.10E-07	5.38E-08	1.00E-06	2.60E-07	3.40E-07	2.46E-08	6.24E-07
4560	564914	4222236	2.52E-06	3.08E-06	1.62E-07	5.76E-06	1.34E-06	3.38E-06	1.62E-07	4.88E-06	3.31E-07	6.02E-07	5.31E-08	9.86E-07	2.56E-07	3.35E-07	2.42E-08	6.16E-07
4561	564917.6	4222191	2.39E-06	2.92E-06	1.54E-07	5.47E-06	1.27E-06	3.20E-06	1.54E-07	4.63E-06	3.14E-07	5.71E-07	5.04E-08	9.36E-07	2.43E-07	3.18E-07	2.30E-08	5.84E-07
4562	564923.9	4222180	2.38E-06	2.91E-06	1.53E-07	5.45E-06	1.26E-06	3.19E-06	1.53E-07	4.61E-06	3.13E-07	5.69E-07	5.02E-08	9.32E-07	2.42E-07	3.17E-07	2.29E-08	5.82E-07
4563	564929	4222172	2.37E-06	2.89E-06	1.53E-07	5.42E-06	1.26E-06	3.17E-06	1.53E-07	4.58E-06	3.11E-07	5.65E-07	4.99E-08	9.27E-07	2.41E-07	3.15E-07	2.28E-08	5.78E-07
4564	564898.5	4222184	2.25E-06	2.74E-06	1.45E-07	5.13E-06	1.19E-06	3.01E-06	1.45E-07	4.34E-06	2.95E-07	5.36E-07	4.73E-08	8.78E-07	2.28E-07	2.98E-07	2.16E-08	5.48E-07
4565	564906.2	4222171	2.23E-06	2.73E-06	1.44E-07	5.10E-06	1.18E-06	2.99E-06	1.44E-07	4.32E-06	2.93E-07	5.33E-07	4.70E-08	8.73E-07	2.27E-07	2.97E-07	2.15E-08	5.45E-07
4566	564884.6	4222168	2.1E-06	2.57E-06	1.35E-07	4.81E-06	1.12E-06	2.82E-06	1.35E-07	4.07E-06	2.76E-07	5.02E-07	4.43E-08	8.23E-07	2.14E-07	2.79E-07	2.02E-08	5.14E-07
4567	564892.3	4222155	2.09E-06	2.55E-06	1.34E-07	4.77E-06	1.11E-06	2.79E-06	1.34E-07	4.03E-06	2.74E-07	4.98E-07	4.39E-08	8.15E-07	2.12E-07	2.77E-07	2.00E-08	5.09E-07
4568	564897.5	4222147	2.07E-06	2.53E-06	1.33E-07	4.73E-06	1.10E-06	2.77E-06	1.33E-07	4.00E-06	2.72E-07	4.93E-07	4.36E-08	8.09E-07	2.10E-07	2.75E-07	1.99E-08	5.05E-07
4569	564850.1	4222187	1.99E-06	2.43E-06	1.28E-07	4.56E-06	1.06E-06	2.67E-06	1.28E-07	3.85E-06	2.62E-07	4.76E-07	4.20E-08	7.79E-07	2.03E-07	2.65E-07	1.92E-08	4.87E-07
4570	564869.4	4222155	1.97E-06	2.41E-06	1.27E-07	4.51E-06	1.05E-06	2.64E-06	1.27E-07	3.82E-06	2.59E-07	4.71E-07	4.16E-08	7.72E-07	2.01E-07	2.62E-07	1.90E-08	4.82E-07
4571	564877.2	4222142	1.95E-06	2.38E-06	1.26E-07	4.46E-06	1.04E-06	2.61E-06	1.26E-07	3.78E-06	2.56E-07	4.66E-07	4.11E-08	7.63E-07	1.98E-07	2.59E-07	1.88E-08	4.77E-07
4572	564882.3	4222133	1.93E-06	2.36E-06	1.24E-07	4.42E-06	1.03E-06	2.59E-06	1.24E-07	3.74E-06	2.54E-07	4.61E-07	4.07E-08	7.56E-07	1.97E-07	2.57E-07	1.86E-08	4.72E-07
4573	564842.5	4222200	1.99E-06	2.43E-06	1.28E-07	4.55E-06	1.05E-06	2.66E-06	1.28E-07	3.84E-06	2.61E-07	4.74E-07	4.19E-08	7.77E-07	2.02E-07	2.64E-07	1.91E-08	4.85E-07
4574	564827	4222187	1.88E-06	2.3E-06	1.21E-07	4.30E-06	9.98E-07	2.52E-06	1.21E-07	3.64E-06	2.47E-07	4.49E-07	3.97E-08	7.36E-07	1.91E-07	2.50E-07	1.81E-08	4.60E-07
4575	564836.1	4222172	1.88E-06	2.3E-06	1.21E-07	4.31E-06	9.99E-07	2.52E-06	1.21E-07	3.64E-06	2.47E-07	4.49E-07	3.97E-08	7.36E-07	1.91E-07	2.50E-07	1.81E-08	4.60E-07
4576	564854.3	4222141	1.86E-06	2.27E-06	1.19E-07	4.24E-06	9.84E-07	2.48E-06	1.19E-07	3.59E-06	2.44E-07	4.43E-07	3.91E-08	7.25E-07	1.89E-07	2.46E-07	1.78E-08	4.53E-07
4577	564862.1	4222128	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.71E-07	2.45E-06	1.18E-07	3.54E-06	2.41E-07	4.37E-07	3.86E-08	7.16E-07	1.86E-07	2.43E-07	1.76E-08	4.47E-07
4578	564809.2	4222178	1.78E-06	2.18E-06	1.15E-07	4.08E-06	9.46E-07	2.39E-06	1.15E-07	3.45E-06	2.34E-07	4.26E-07	3.76E-08	6.98E-07	1.81E-07	2.37E-07	1.71E-08	4.36E-07
4579	564817	4222165	1.78E-06	2.18E-06	1.15E-07	4.08E-06	9.46E-07	2.39E-06	1.15E-07	3.45E-06	2.34E-07	4.26E-07	3.76E-08	6.97E-07	1.81E-07	2.37E-07	1.71E-08	4.35E-07
4580	564836.5	4222132	1.75E-06	2.14E-06	1.13E-07	4.00E-06	9.29E-07	2.35E-06	1.13E-07	3.39E-06	2.30E-07	4.18E-07	3.69E-08	6.85E-07	1.78E-07	2.33E-07	1.68E-08	4.28E-07
4581	564795.1	4222163	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.97E-07	2.27E-06	1.09E-07	3.27E-06	2.22E-07	4.04E-07	3.56E-08	6.62E-07	1.72E-07	2.25E-07	1.63E-08	4.13E-07
4582	564800.2	4222154	1.69E-06	2.06E-06	1.09E-07	3.86E-06	8.96E-07	2.26E-06	1.09E-07	3.27E-06	2.22E-07	4.03E-07	3.56E-08	6.61E-07	1.72E-07	2.25E-07	1.62E-08	4.12E-07
4583	564807.8	4222141	1.68E-06	2.05E-06	1.08E-07	3.84E-06	8.91E-07	2.25E-06	1.08E-07	3.25E-06	2.21E-07	4.01E-07	3.54E-08	6.57E-07	1.71E-07	2.23E-07	1.62E-08	4.10E-07
4584	564790	4222171	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.97E-07	2.27E-06	1.09E-07	3.27E-06	2.22E-07	4.04E-07	3.56E-08	6.62E-07	1.72E-07	2.25E-07	1.63E-08	4.13E-07
4585	564953.8	4222296	2.93E-06	3.58E-06	1.89E-07	6.70E-06	1.55E-06	3.92E-06	1.89E-07	5.67E-06	3.85E-07	6.99E-07	6.17E-08	1.15E-06	2.98E-07	3.89E-07	2.82E-08	7.15E-07
4586	564912.4	4222291	2.55E-06	3.11E-06	1.64E-07	5.82E-06	1.35E-06	3.41E-06	1.64E-07	4.92E-06	3.34E-07	6.07E-07	5.36E-08	9.95E-07	2.59E-07	3.38E-07	2.45E-08	6.21E-07
4587	564917.6	4222279	2.6E-06	3.17E-06	1.67E-07	5.93E-06	1.38E-06	3.48E-06	1.67E-07	5.02E-06	3.41E-07	6.19E-07	5.47E-08	1.02E-06	2.64E-07	3.45E-07	2.49E-08	6.34E-07
4588	564892.2	4222288	2.39E-06	2.92E-06	1.54E-07	5.46E-06	1.27E-06	3.20E-06	1.54E-07	4.62E-06	3.14E-07	5.70E-07	5.03E-08	9.33E-07	2.43E-07	3.17E-07	2.29E-08	5.83E-07
4589	564896	4222279	2.42E-06	2.96E-06	1.56E-07	5.53E-06	1.28E-06	3.24E-06	1.56E-07	4.68E-06	3.18E-07	5.78E-07	5.10E-08	9.47E-07	2.46E-07	3.22E-07	2.33E-08	5.91E-07
4590	564873.3	4222281	2.26E-06	2.76E-06	1.45E-07	5.16E-06	1.20E-06	3.02E-06	1.45E-07	4.36E-06	2.96E-07	5.38E-07	4.75E-08	8.82E-07	2.29E-07	3.00E-07	2.17E-08	5.51E-07
4591	564880.9	4222263	2.31E-06	2.82E-06	1.49E-07	5.28E-06	1.22E-06	3.09E-06	1.49E-07	4.47E-06	3.03E-07	5.51E-07	4.86E-08	9.03E-07	2.35E-07	3.07E-07	2.22E-08	5.64E-07
4592	564888.5	4222245	2.35E-06	2.87E-06	1.51E-07	5.37E-06	1.24E-06	3.14E-06	1.51E-07	4.54E-06	3.08E-07	5.60E-07	4.95E-08	9.18E-07	2.39E-07	3.12E-07	2.26E-08	5.73E-07
4593	564894.9	4222230	2.37E-06	2.89E-06	1.52E-07	5.41E-06	1.25E-06	3.17E-06	1.52E-07	4.58E-06	3.11E-07	5.65E-07	4.99E-08	9.25E-07	2.41E-07	3.14E-07	2.27E-08	5.78E-07
4594	564861.1	4222259	2.18E-06	2.66E-06	1.40E-07	4.98E-06	1.15E-06	2.91E-06	1.40E-07	4.21E-06	2.86E-07	5.19E-07	4.58E-08	8.51E-07	2.21E-07	2.89E-07	2.09E-08	5.31E-07
4595	564846	4222243	2.08E-06	2.53E-06	1.34E-07	4.74E-06	1.10E-06	2.78E-06	1.34E-07	4.01E-06	2.73E-07	4.95E-07	4.37E-08	8.11E-07	2.11E-07	2.76E-07	1.99E-08	5.06E-07
4596	564849.9	4222234	2.09E-06	2.55E-06	1.34E-07	4.77E-06	1.11E-06	2.80E-06	1.34E-07	4.04E-06	2.74E-07	4.98E-07	4.40E-08	8.17E-07	2.12E-07	2.77E-07	2.01E-08	5.10E-07
4597	564856.5	4222219	2.1E-06	2.57E-06	1.35E-07	4.81E-06	1.11E-06	2.82E-06	1.35E-07	4.07E-06	2.76E-07	5.02E-07	4.43E-08	8.22E-07	2.14E-07	2.79E-07	2.02E-08	5.13E-07
4598	564833.1	4222274	2.01E-06	2.45E-06	1.29E-07	4.59E-06	1.06E-06	2.69E-06	1.29E-07	3.88E-06	2.64E-07	4.79E-07	4.23E-08	7.85E-07	2.04E-07	2.67E-07	1.93E-08	4.90E-07
4599	564824.4	4222243	1.96E-06	2.39E-06	1.26E-07	4.47E-06	1.04E-06	2.62E-06	1.26E-07	3.78E-06	2.57E-07	4.66E-07	4.12E-08	7.64E-07	1.99E-07	2.60E-07	1.88E-08	4.77E-07
4600	564830.9	4222228	1.98E-06	2.41E-06	1.27E-07	4.51E-06	1.05E-06	2.64E-06	1.27E-07	3.82E-06	2.59E-07	4.71E-07	4.16E-08	7.72E-07	2.01E-07	2.62E-07	1.90E-08	4.82E-07
4601	564836	4222216	1.99E-06	2.42E-06	1.28E-07	4.54E-06	1.05E-06	2.66E-06	1.28E-07	3.84E-06	2.61E-07	4.74E-07	4.18E-08	7.76E-07	2.02E-07	2.64E-07	1.91E-08	4.85E-07
4602	564799	4222252	1.83E-06	2.24E-06	1.18E-07	4.19E-06	9.71E-07	2.45E-06	1.18E-07	3.54E-06	2.41E-07	4.37E-07	3.86E-08	7.16E-07	1.86E-07	2.43E-07	1.76E-08	4.47E-07
4603	564809.3	4222228	1.87E-06	2.28E-06	1.20E-07	4.27E-06	9.90E-07	2.50E-06	1.20E-07	3.61E-06	2.45E-07	4.45E-07	3.93E-08	7.30E-07	1.90E-07	2.48E-07	1.79E-08	4.56E-07
4604	564815.7	4222213	1.88E-06	2.3E-06	1.21E-07	4.30E-06	9.96E-07	2.52E-06	1.21E-07	3.63E-06	2.47E-07	4.48E-07	3.96E-08	7.35E-07	1.91E-07	2.50E-07	1.81E-08	4.59E-07
4605	564822	4222198	1.88E-06	2.3E-06	1.21E-07	4.30E-06	9.98E-07	2.52E-06	1.21E-07	3.64E-06	2.47E-07	4.49E-07	3.97E-08	7.36E-07	1.91E-07	2.50E-07	1.81E-08	4.60E-07
4606	564801.4	4222195	1.79E-06	2.18E-06	1.15E-07	4.08E-06	9.47E-07	2.39E-06	1.15E-07	3.45E-06	2.35E-07	4.26E-07	3.76E-08	6.98E-07	1.82E-07	2.37E-07	1.72E-08	4.36E-07
4607	565036.4	4222433	3.06E-06	3.74E-06	1.97E-07	7.00E-06	1.62E-06	4.10E-06	1.97E-07	5.92E-06	4.02E-07	7.30E-07	6.45E-08	1.20E-06	3.11E-07	4.07E-07	2.94E-08	7.47E-07
4608	564969.6	4222415	2.56E-06	3.13E-06	1.65E-07	5.85E-06	1.36E-06	3.43E-06	1.65E-07	4.95E-06	3.36E-07	6.11E-07	5.39E-08	1.00E-06	2.60E-07	3.40E-07	2.46E-08	6.25E-07
4609	564981.3	4222345	3.11E-06	3.79E-06	2.00E-07	7.10E-06	1.65E-06	4.16E-06	2.00E-07	6.00E-06	4.08E-07	7.41E-07	6.54E-08	1.21E-06	3.16E-07	4.13E-07	2.98E-08	7.58E-07
4610	564949.6	4222415	2.39E-06	2.92E-06	1.54E-07	5.46E-06	1.27E-06	3.20E-06	1.54E-07	4.62E-06	3.14E-07	5.70E-07	5.04E-08	9.35E-07	2.43E-07	3.18E-07	2.30E-08	5.84E-07
4611	564961	4222346	2.87E-06	3.5E-06	1.85E-07	6.56E-06	1.52E-06	3.84E-06	1.85E-07	5.55E-06	3.77E-07	6.85E-07	6.04E-08	1.12E-06	2.92E-07	3.81E-07	2.76E-08	7.00E-07
4612	564943.9	4222459	2.08E-06	2.54E-06	1.34E-07	4.75E-06	1.10E-06	2.78E-06	1.34E-07	4.01E-06	2.73E-07	4.95E-07	4.37E-08	8.12E-07	2.11E-07	2.76E-07	1.99E-08	5.07E-07
4613	564929.5	4222416	2.24E-06	2.74E-06	1.44E-07	5.12E-06	1.19E-06	3.00E-06	1.44E-07	4.33E-06	2.94E-07	5.35E-07	4.72E-08	8.76E-07	2.28E-07	2.98E-07	2.15E-08	5.47E-07
4614	564940.8	4222348	2.66E-06	3.25E-06	1.71E-07	6.09E-06	1.41E-06	3.57E-06	1.71E-07	5.15E-06	3.50E-07	6.36E-07	5.61E-08	1.04E-06	2.71E-07	3.54E-07	2.56E-08	6.50E-07
4615	564923.8	4222450	2.01E-06	2.46E-06	1.30E-07	4.60E-06	1.07E-06	2.70E-06	1.30E-07	3.89E-06	2.64E-07	4.81E-07	4.24E-08	7.87E-07	2.05E-07	2.68E-07	1.94E-08	4.92E-07
4616	564923.9	4222459	1.96E-06	2.4E-06	1.26E-07	4.48E-06	1.04E-06	2.63E-06	1.26E-07	3.79E-06	2.58E-07	4.68E-07	4.13E-08	7.67E-07	1.99E-07	2.61E-07	1.89E-08	4.79E-07
4617	564909.8	4222414	2.12E-06	2.59E-06	1.36E-07	4.84E-06	1.12E-06	2.84E-06	1.36E-07	4.10E-06	2.78E-07	5.06E-07	4.46E-08	8.29E-07	2.15E-07	2.82E-07	2.04E-08	5.17E-07

4618	564903.8	4222450	1.9E-06	2.33E-06	1.23E-07	4.35E-06	1.01E-06	2.55E-06	1.23E-07	3.68E-06	2.50E-07	4.54E-07	4.01E-08	7.45E-07	1.94E-07	2.53E-07	1.83E-08	4.65E-07
4619	564889.7	4222415	2E-06	2.44E-06	1.28E-07	4.56E-06	1.06E-06	2.67E-06	1.28E-07	3.86E-06	2.62E-07	4.76E-07	4.20E-08	7.80E-07	2.03E-07	2.65E-07	1.92E-08	4.87E-07
4620	564901.3	4222345	2.35E-06	2.86E-06	1.51E-07	5.36E-06	1.24E-06	3.14E-06	1.51E-07	4.53E-06	3.08E-07	5.60E-07	4.94E-08	9.17E-07	2.38E-07	3.12E-07	2.25E-08	5.72E-07
4621	564869.6	4222415	1.88E-06	2.3E-06	1.21E-07	4.30E-06	9.97E-07	2.52E-06	1.21E-07	3.64E-06	2.47E-07	4.49E-07	3.96E-08	7.35E-07	1.91E-07	2.50E-07	1.81E-08	4.59E-07
4622	564863.9	4222459	1.67E-06	2.04E-06	1.08E-07	3.82E-06	8.87E-07	2.24E-06	1.08E-07	3.24E-06	2.20E-07	3.99E-07	3.52E-08	6.54E-07	1.70E-07	2.22E-07	1.61E-08	4.08E-07
4623	564863.9	4222468	1.63E-06	2E-06	1.05E-07	3.73E-06	8.66E-07	2.19E-06	1.05E-07	3.16E-06	2.15E-07	3.90E-07	3.44E-08	6.39E-07	1.66E-07	2.17E-07	1.57E-08	3.99E-07
4624	564849.5	4222416	1.78E-06	2.17E-06	1.14E-07	4.06E-06	9.42E-07	2.38E-06	1.14E-07	3.44E-06	2.33E-07	4.24E-07	3.74E-08	6.95E-07	1.81E-07	2.36E-07	1.71E-08	4.34E-07
4625	564843.9	4222459	1.59E-06	1.94E-06	1.02E-07	3.64E-06	8.43E-07	2.13E-06	1.02E-07	3.08E-06	2.09E-07	3.80E-07	3.35E-08	6.22E-07	1.62E-07	2.11E-07	1.53E-08	3.88E-07
4626	564843.9	4222468	1.55E-06	1.9E-06	1.00E-07	3.55E-06	8.24E-07	2.08E-06	1.00E-07	3.01E-06	2.04E-07	3.71E-07	3.27E-08	6.08E-07	1.58E-07	2.07E-07	1.49E-08	3.80E-07
4627	564828.3	4222424	1.66E-06	2.02E-06	1.07E-07	3.78E-06	8.78E-07	2.22E-06	1.07E-07	3.20E-06	2.17E-07	3.95E-07	3.49E-08	6.47E-07	1.68E-07	2.20E-07	1.59E-08	4.04E-07
4628	564829.8	4222415	1.69E-06	2.07E-06	1.09E-07	3.87E-06	8.97E-07	2.26E-06	1.09E-07	3.27E-06	2.22E-07	4.04E-07	3.56E-08	6.61E-07	1.72E-07	2.25E-07	1.63E-08	4.13E-07
4629	564840.1	4222352	1.93E-06	2.36E-06	1.24E-07	4.41E-06	1.02E-06	2.58E-06	1.24E-07	3.73E-06	2.53E-07	4.60E-07	4.06E-08	7.54E-07	1.96E-07	2.56E-07	1.85E-08	4.71E-07
4630	564823.9	4222459	1.51E-06	1.85E-06	9.75E-08	3.46E-06	8.03E-07	2.03E-06	9.75E-08	2.93E-06	1.99E-07	3.61E-07	3.19E-08	5.92E-07	1.54E-07	2.01E-07	1.45E-08	3.70E-07
4631	564823.9	4222469	1.48E-06	1.81E-06	9.53E-08	3.39E-06	7.85E-07	1.98E-06	9.53E-08	2.86E-06	1.95E-07	3.53E-07	3.12E-08	5.79E-07	1.51E-07	1.97E-07	1.42E-08	3.62E-07
4632	564819.9	4222354	1.82E-06	2.22E-06	1.17E-07	4.16E-06	9.65E-07	2.44E-06	1.17E-07	3.52E-06	2.39E-07	4.34E-07	3.83E-08	7.12E-07	1.85E-07	2.42E-07	1.75E-08	4.44E-07
4633	564802.6	4222337	1.77E-06	2.16E-06	1.14E-07	4.05E-06	9.39E-07	2.37E-06	1.14E-07	3.42E-06	2.32E-07	4.22E-07	3.73E-08	6.92E-07	1.80E-07	2.35E-07	1.70E-08	4.32E-07
4634	564812.8	4222277	1.9E-06	2.32E-06	1.22E-07	4.34E-06	1.01E-06	2.54E-06	1.22E-07	3.67E-06	2.49E-07	4.53E-07	3.99E-08	7.42E-07	1.93E-07	2.52E-07	1.82E-08	4.63E-07
4635	564768.1	4222425	1.42E-06	1.74E-06	9.15E-08	3.25E-06	7.54E-07	1.90E-06	9.15E-08	2.75E-06	1.87E-07	3.39E-07	2.99E-08	5.56E-07	1.45E-07	1.89E-07	1.37E-08	3.47E-07
4636	564779.6	4222356	1.63E-06	1.99E-06	1.05E-07	3.72E-06	8.64E-07	2.18E-06	1.05E-07	3.15E-06	2.14E-07	3.89E-07	3.43E-08	6.37E-07	1.66E-07	2.16E-07	1.57E-08	3.98E-07
4637	564789.6	4222296	1.77E-06	2.16E-06	1.14E-07	4.04E-06	9.38E-07	2.37E-06	1.14E-07	3.42E-06	2.32E-07	4.22E-07	3.72E-08	6.92E-07	1.80E-07	2.35E-07	1.70E-08	4.32E-07
4638	564748.3	4222424	1.36E-06	1.66E-06	8.75E-08	3.11E-06	7.21E-07	1.82E-06	8.75E-08	2.63E-06	1.78E-07	3.24E-07	2.86E-08	5.31E-07	1.38E-07	1.81E-07	1.31E-08	3.32E-07
4639	564744	4222478	1.21E-06	1.48E-06	7.80E-08	2.77E-06	6.42E-07	1.62E-06	7.80E-08	2.34E-06	1.59E-07	2.89E-07	2.55E-08	4.74E-07	1.23E-07	1.61E-07	1.16E-08	2.96E-07
4640	564740	4222354	1.48E-06	1.81E-06	9.52E-08	3.38E-06	7.84E-07	1.98E-06	9.52E-08	2.86E-06	1.94E-07	3.53E-07	3.12E-08	5.78E-07	1.50E-07	1.97E-07	1.42E-08	3.61E-07
4641	565287.9	4222688	8.07E-07	9.86E-07	5.20E-08	1.85E-06	4.28E-07	1.08E-06	5.20E-08	1.56E-06	1.06E-07	1.93E-07	1.70E-08	3.16E-07	8.21E-08	1.07E-07	7.76E-09	1.97E-07
4642	565275.9	4222684	8.27E-07	1.01E-06	5.32E-08	1.89E-06	4.39E-07	1.11E-06	5.32E-08	1.60E-06	1.09E-07	1.97E-07	1.74E-08	3.23E-07	8.41E-08	1.10E-07	7.95E-09	2.02E-07
4643	565264	4222680	8.49E-07	1.04E-06	5.46E-08	1.94E-06	4.50E-07	1.14E-06	5.46E-08	1.64E-06	1.11E-07	2.03E-07	1.79E-08	3.32E-07	8.63E-08	1.13E-07	8.16E-09	2.07E-07
4644	565252	4222676	8.72E-07	1.07E-06	5.61E-08	1.99E-06	4.62E-07	1.17E-06	5.61E-08	1.69E-06	1.15E-07	2.08E-07	1.84E-08	3.41E-07	8.86E-08	1.16E-07	8.38E-09	2.13E-07
4645	565216.1	4222665	9.51E-07	1.16E-06	6.12E-08	2.17E-06	5.04E-07	1.27E-06	6.12E-08	1.84E-06	1.25E-07	2.27E-07	2.00E-08	3.72E-07	9.67E-08	1.26E-07	9.14E-09	2.32E-07
4646	565200.2	4222660	9.88E-07	1.21E-06	6.36E-08	2.26E-06	5.24E-07	1.32E-06	6.36E-08	1.91E-06	1.30E-07	2.36E-07	2.08E-08	3.86E-07	1.00E-07	1.31E-07	9.50E-09	2.41E-07
4647	565162.3	4222651	1.06E-06	1.29E-06	6.81E-08	2.42E-06	5.61E-07	1.42E-06	6.81E-08	2.04E-06	1.39E-07	2.52E-07	2.23E-08	4.13E-07	1.07E-07	1.40E-07	1.02E-08	2.58E-07
4648	565294.3	4222709	7.14E-07	8.72E-07	4.59E-08	1.63E-06	3.78E-07	9.56E-07	4.59E-08	1.38E-06	9.37E-08	1.70E-07	1.50E-08	2.79E-07	7.25E-08	9.48E-08	6.86E-09	1.74E-07
4649	565278.4	4222704	7.34E-07	8.97E-07	4.72E-08	1.68E-06	3.89E-07	9.83E-07	4.72E-08	1.42E-06	9.64E-08	1.75E-07	1.55E-08	2.87E-07	7.46E-08	9.75E-08	7.05E-09	1.79E-07
4650	565266.5	4222700	7.51E-07	9.17E-07	4.83E-08	1.72E-06	3.98E-07	1.01E-06	4.83E-08	1.45E-06	9.86E-08	1.79E-07	1.58E-08	2.94E-07	7.63E-08	9.98E-08	7.22E-09	1.83E-07
4651	565242.6	4222692	7.9E-07	9.65E-07	5.08E-08	1.81E-06	4.19E-07	1.06E-06	5.08E-08	1.53E-06	1.04E-07	1.88E-07	1.66E-08	3.09E-07	8.03E-08	1.05E-07	7.59E-09	1.93E-07
4652	565230.7	4222689	8.11E-07	9.91E-07	5.22E-08	1.85E-06	4.30E-07	1.09E-06	5.22E-08	1.57E-06	1.07E-07	1.94E-07	1.71E-08	3.17E-07	8.24E-08	1.08E-07	7.79E-09	1.98E-07
4653	565218.8	4222685	8.34E-07	1.02E-06	5.37E-08	1.91E-06	4.42E-07	1.12E-06	5.37E-08	1.61E-06	1.10E-07	1.99E-07	1.76E-08	3.26E-07	8.47E-08	1.11E-07	8.01E-09	2.04E-07
4654	565202.9	4222680	8.65E-07	1.06E-06	5.57E-08	1.98E-06	4.59E-07	1.16E-06	5.57E-08	1.67E-06	1.14E-07	2.06E-07	1.82E-08	3.38E-07	8.79E-08	1.15E-07	8.31E-09	2.11E-07
4655	565163.2	4222667	9.47E-07	1.16E-06	6.09E-08	2.16E-06	5.02E-07	1.27E-06	6.09E-08	1.83E-06	1.24E-07	2.26E-07	1.99E-08	3.70E-07	9.62E-08	1.26E-07	9.10E-09	2.31E-07
4656	565152.3	4222651	1.06E-06	1.29E-06	6.82E-08	2.42E-06	5.62E-07	1.42E-06	6.82E-08	2.05E-06	1.39E-07	2.53E-07	2.23E-08	4.14E-07	1.08E-07	1.41E-07	1.02E-08	2.59E-07
4657	565149.2	4222666	9.59E-07	1.17E-06	6.17E-08	2.19E-06	5.09E-07	1.28E-06	6.17E-08	1.85E-06	1.26E-07	2.29E-07	2.02E-08	3.75E-07	9.75E-08	1.27E-07	9.22E-09	2.34E-07
4658	565295.5	4222728	6.43E-07	7.85E-07	4.14E-08	1.47E-06	3.41E-07	8.60E-07	4.14E-08	1.24E-06	8.44E-08	1.53E-07	1.35E-08	2.51E-07	6.53E-08	8.54E-08	6.17E-09	1.57E-07
4659	565283.4	4222724	6.54E-07	7.99E-07	4.21E-08	1.50E-06	3.47E-07	8.76E-07	4.21E-08	1.27E-06	8.59E-08	1.56E-07	1.38E-08	2.56E-07	6.65E-08	8.69E-08	6.29E-09	1.60E-07
4660	565271.3	4222720	6.68E-07	8.16E-07	4.30E-08	1.53E-06	3.54E-07	8.95E-07	4.30E-08	1.29E-06	8.78E-08	1.59E-07	1.41E-08	2.61E-07	6.79E-08	8.88E-08	6.42E-09	1.63E-07
4661	565247.1	4222713	7E-07	8.54E-07	4.50E-08	1.60E-06	3.71E-07	9.37E-07	4.50E-08	1.35E-06	9.19E-08	1.67E-07	1.47E-08	2.74E-07	7.11E-08	9.29E-08	6.72E-09	1.71E-07
4662	565235	4222709	7.17E-07	8.76E-07	4.62E-08	1.64E-06	3.80E-07	9.60E-07	4.62E-08	1.39E-06	9.42E-08	1.71E-07	1.51E-08	2.80E-07	7.29E-08	9.53E-08	6.89E-09	1.75E-07
4663	565218.8	4222704	7.42E-07	9.06E-07	4.78E-08	1.70E-06	3.93E-07	9.94E-07	4.78E-08	1.43E-06	9.75E-08	1.77E-07	1.56E-08	2.90E-07	7.54E-08	9.86E-08	7.13E-09	1.81E-07
4664	565190.5	4222695	7.9E-07	9.65E-07	5.08E-08	1.81E-06	4.19E-07	1.06E-06	5.08E-08	1.53E-06	1.04E-07	1.88E-07	1.66E-08	3.09E-07	8.03E-08	1.05E-07	7.59E-09	1.93E-07
4665	565178.4	4222691	8.11E-07	9.91E-07	5.22E-08	1.85E-06	4.30E-07	1.09E-06	5.22E-08	1.57E-06	1.07E-07	1.94E-07	1.71E-08	3.17E-07	8.25E-08	1.08E-07	7.80E-09	1.98E-07
4666	565139.1	4222665	9.62E-07	1.18E-06	6.19E-08	2.20E-06	5.10E-07	1.29E-06	6.19E-08	1.86E-06	1.26E-07	2.30E-07	2.03E-08	3.76E-07	9.78E-08	1.28E-07	9.24E-09	2.35E-07
4667	565136.1	4222680	8.74E-07	1.07E-06	5.63E-08	2.00E-06	4.63E-07	1.17E-06	5.63E-08	1.69E-06	1.15E-07	2.09E-07	1.84E-08	3.42E-07	8.88E-08	1.16E-07	8.40E-09	2.13E-07
4668	565127.4	4222661	9.88E-07	1.21E-06	6.36E-08	2.26E-06	5.24E-07	1.32E-06	6.36E-08	1.91E-06	1.30E-07	2.36E-07	2.08E-08	3.86E-07	1.00E-07	1.31E-07	9.49E-09	2.41E-07
4669	565116.9	4222638	1.15E-06	1.4E-06	7.38E-08	2.62E-06	6.08E-07	1.53E-06	7.38E-08	2.22E-06	1.51E-07	2.73E-07	2.41E-08	4.48E-07	1.16E-07	1.52E-07	1.10E-08	2.80E-07
4670	565294	4222746	5.85E-07	7.15E-07	3.77E-08	1.34E-06	3.10E-07	7.83E-07	3.77E-08	1.13E-06	7.68E-08	1.40E-07	1.23E-08	2.29E-07	5.95E-08	7.77E-08	5.62E-09	1.43E-07
4671	565281.9	4222742	5.95E-07	7.27E-07	3.83E-08	1.36E-06	3.15E-07	7.96E-07	3.83E-08	1.15E-06	7.81E-08	1.42E-07	1.25E-08	2.33E-07	6.05E-08	7.90E-08	5.72E-09	1.45E-07
4672	565249.7	4222732	6.28E-07	7.67E-07	4.04E-08	1.43E-06	3.33E-07	8.40E-07	4.04E-08	1.21E-06	8.24E-08	1.50E-07	1.32E-08	2.45E-07	6.38E-08	8.34E-08	6.03E-09	1.53E-07
4673	565237.6	4222729	6.42E-07	7.84E-07	4.13E-08	1.47E-06	3.40E-07	8.59E-07	4.13E-08	1.24E-06	8.43E-08	1.53E-07	1.35E-08	2.51E-07	6.52E-08	8.53E-08	6.17E-09	1.57E-07
4674	565197.4	4222716	6.96E-07	8.5E-07	4.48E-08	1.59E-06	3.69E-07	9.31E-07	4.48E-08	1.35E-06	9.14E-08	1.66E-07	1.47E-08	2.72E-07	7.07E-08	9.24E-08	6.68E-09	1.70E-07
4675	565115.7	4222657	1.01E-06	1.24E-06	6.52E-08	2.32E-06	5.37E-07	1.36E-06	6.52E-08	1.96E-06	1.33E-07	2.42E-07	2.13E-08	3.96E-07	1.03E-07	1.35E-07	9.73E-09	2.47E-07
4676	565096.5	4222615	1.32E-06	1.61E-06	8.49E-08	3.01E-06	6.99E-07	1.77E-06	8.49E-08	2.55E-06	1.73E-07	3.15E-07	2.78E-08	5.15E-07	1.34E-07	1.75E-07	1.27E-08	3.22E-07
4677	565091.3	4222603	1.41E-06	1.72E-06	9.09E-08	3.23E-06	7.49E-07	1.89E-06	9.09E-08	2.73E-06	1.85E-07	3.37E-07	2.97E-08	5.52E-07	1.44E-07	1.88E-07	1.36E-08	3.45E-07
4678	565082.6	4222584	1.58E-06	1.93E-06	1.02E-07	3.61E-06	8.37E-07	2.11E-06	1.02E-07	3.05E-06	2.07E-07	3.76E-07	3.32E-08	6.17E-07	1.60E-07	2.10E-07	1.52E-08	3.85E-07
4679	565124.8	4222699	7.81E-07	9.54E-07	5.03E-08	1.79E-06	4.14E-07	1.05E-06	5.03E-08	1.51E-06	1.03E-07	1.86E-07	1.65E-08	3.05E-07	7.94E-08	1.04E-07	7.51E-09	1.91E-07
4680	565114.4	4222676	8.99E-07	1.1E-06	5.79E-08	2.05E-06	4.77E-07	1.20E-06	5.79E-08	1.74E-06	1.18E-07	2.14E-07	1.89E-08	3.51E-07	9.14E-08	1.19E-07	8.64E-09	2.19E-07
4681	565103.9	4222653	1.04E-06	1.27E-06	6.67E-08	2.37E-06	5.50E-07	1.39E-06	6.67E-08	2.00E-06	1.36E-07	2.47E-07	2.18E-08	4.05E-07	1.05E-07	1.38E-07	9.96E-09	2.53E-07
4682	565053.5	4222542	1.92E-06	2.35E-06	1.24E-07	4.39E-06	1.02E-06	2.57E-06	1.24E-07	3.71E-06	2.52E-07	4.58E-07	4.05E-08	7.51E-07	1.95E-07	2.55E-07	1.85E-08	4.69E-07
4683	565048.3	4222530	2.02E-06	2.47E-06	1.30E-07	4.62E-06	1.07E-06	2.71E-06	1.30E-07	3.91E-06	2.65E-07	4.82E-07	4.26E-08	7.90E-07	2.05E-07	2.69E-07	1.94E-08	4.93E-07
4684	565111.5	4222714	7.18E-07	8.77E-07	4.62E-08	1.64E-06	3.81E-07	9.61E-07	4.62E-08	1.39E-06	9.43E-08	1.71E-07	1.51E-08	2.81E-07	7.30E-08	9.54E-08	6.90E-09	1.75E-07
4685	565101.1	4222691	8.21E-07	1E-06	5.28E-08	1.88E-06	4.35E-07	1.10E-06	5.28E-08	1.59E-06	1.08E-07	1.96E-07	1.73E-08	3.21E-07	8.34E-08	1.09E-07	7.89E-09	2.00E-07
4686	565092.4	4222672	9.2E-07	1.12E-06	5.92E-08	2.10E-06	4.88E-07	1.23E-06	5.92E-08	1.78E-06	1.21E-07	2.19E-07	1.94E-08	3.60E-07	9.35E-08	1.22E-07	8.84E-09	2.25E-07
4687	565030	4222534	1.9E-06	2.33E-06	1.23E-07	4.35E-06	1.01E-06	2.55E-06	1.23E-07	3.68E-06	2.50E-07	4.54E-07	4.01E-08	7.44E-07	1.93E-07	2.53E-07	1.83E-08	4.65E-07
4688	565024.8	4222523	1.99E-06	2.43E-06	1.28E-07	4.55E-06	1.06E-06	2.67E-06	1.28E-07	3.85E-06	2.62E-07	4.75E-07	4.19E-08	7.79E-07	2.02E-07	2.65E-07	1.91E-08	4.86E-07
4689	565014.4	4222500	2.16E-06	2.64E-06	1.39E-07	4.94E-06	1.15E-06	2.89E-06	1.39E-07	4.18E-06	2.84E-07	5.15E-07	4.55E-08	8.45E-07	2.20E-07	2.87E-07	2.08E-08	5.27E-07
4690	565098.3	4222729	6.62E-07	8.09E-07	4.26E-08	1.51E-06	3.51E-07	8.87E-07	4.26E-08	1.28E-06	8.70E-08	1.58E-07	1.39E-08	2.59E-07	6.73E-08	8.80E-08	6.36E-09	1.62E-07
4691	565087.9	4222706	7.53E-07	9.19E-07	4.85E-08	1.72E-06	3.99E-07	1.01E-06	4.85E-08	1.46E-06	9.89E-08	1.80E-07	1.59E-08	2.94E-07	7.65E-08	1.00E-07	7.23E-09	1.84E-07
4692	565077.5	4222683	8.58E-07	1.05E-06	5.53E-08	1.96E-06	4.55E-07	1.15E-06	5.53E-08	1.66E-06	1.13E-07	2.05E-07	1.81E-08	3.36E-07	8.72E-08	1.14E-07	8.25E-09	2.10E-07
4693	565029	4222576	1.53E-06	1.87E-06	9.83E-08	3.49E-06	8.10E-07	2.05E-06	9.83E-08	2.95E-06	2.01E-07	3.64E-07	3.22E-08	5.97E-07	1.55E-07	2.03E-07	1.47E-08	3.73E-07
4694	565023.8	4222565	1.61E-06	1.96E-06	1.04E-07	3.68E-06	8.53E-07	2.15E-06	1.04E-07	3.11E-06	2.11E-07	3.84E-07	3.39E-08	6.29E-07	1.63E-07	2.14E-07	1.55E-08	3.93E-07
4695	565018.6	4222553	1.69E-06	2.06E-06	1.09E-07	3.86E-06	8.96E-07	2.26E-06	1.09E-07	3.27E-06	2.22E-07	4.03E-07	3.56E-08	6.61E-07	1.72E-07	2.25E-07	1.62E-08	4.13E-07
4696	565013.4	4222542	1.77E-06	2.16E-06	1.14E-07	4.05E-06	9.39E-07	2.37E-06	1.14E-07	3.42E-06	2.33E-07	4.23E-07	3.73E-08	6.93E-07	1.80E-07	2.35E-07	1.70E-08	4.32E-07
4697	565008.2	4222530	1.85E-06	2.26E-06	1.19E-07	4.23E-06	9.81E-07	2.48E-06	1.19E-07	3.58E-06	2.43E-07	4.41E-07	3.90E-08	7.23E-07	1.88E-07	2.46E-07	1.78E-08	4.51E-07
4698	565001.3	4222515	1.95E-06	2.38E-06	1.26E-07	4.46E-06	1.03E-06	2.61E-06	1.26E-07	3.77E-06	2.56E-07	4.65E-07	4.11E-08	7.63E-07	1.98E-07	2.59E-07	1.87E-08	4.76E-07
4699	565064.2	4222698	7.87E-07	9.61E-07	5.06E-08	1.80E-06	4.17E-07	1.05E-06	5.06E-08	1.52E-06	1.03E-07	1.88E-07	1.66E-08	3.08E-07	7.99E-08	1.05E-07	7.56E-09	1.92E-07
4700	565003.7	4222565	1.55E-06	1.9E-06	1.00E-07	3.55E-06	8.24E-07	2.08E-06	1.00E-07	3.00E-06	2.04E-07	3.71E-07	3.27E-08	6.07E-07	1.58E-07	2.06E-07	1.49E-08	3.79E-07
4701	564998.6	4222553	1.63E-06	1.99E-06	1.05E-07	3.72E-06	8.63E-07	2.18E-06	1.05E-07	3.15E-06	2.14E-07	3.88E-07	3.43E-08	6.36E-07	1.65E-07	2.16E-07	1.56E-08	3.97E-07
4702	564989.9	4222534	1.75E-06	2.13E-06	1.12E-07	3.99E-06	9.26E-07	2.34E-06	1.12E-07	3.38E-06	2.29E-07	4.17E-07	3.68E-08	6.83E-07	1.77E-07	2.32E-07	1.68E-08	4.26E-07
4703	565113.9	4222775	5.21E-07	6.36E-07	3.35E-08	1.19E-06	2.76E-07	6.97E-07	3.35E-08	1.01E-06	6.84E-08	1.24E-07	1.10E-08	2.04E-07	5.29E-08	6.92E-08	5.00E-09	1.27E-07
4704	565050.7	4222712	7.26E-07	8.87E-07	4.68E-08	1.66E-06	3.85E-07	9.73E-07	4.68E-08	1.40E-06	9.54E-08	1.73E-07	1.53E-08	2.84E-07	7.38E-08	9.65E-08	6.98E-09	1.77E-07
4705	564991.2	4222581	1.4E-06	1.71E-06	9.03E-08	3.21E-06	7.44E-07	1.88E-06	9.03E-08	2.71E-06	1.84E-07	3.35E-07	2.95E-08	5.48E-07	1.43E-07	1.86E-07	1.35E-08	3.42E-07
4706	564986	4222570	1.47E-06	1.8E-06	9.46E-08	3.36E-06	7.79E-07	1.97E-06	9.46E-08	2.84E-06	1.93E-07	3.51E-07	3.10E-08	5.75E-07	1.49E-07	1.95E-07	1.41E-08	3.59E-07
4707	564977.2	4222550	1.58E-06	1.93E-06	1.02E-07	3.62E-06	8.39E-07	2.12E-06	1.02E-07	3.06E-06	2.08E-07	3.77E-07	3.33E-08	6.19E-07	1.61E-07	2.10E-07	1.52E-08	3.86E-07
4708	565049.7	4222754	5.84E-07	7.14E-07	3.76E-08	1.34E-06	3.10E-07	7.82E-07	3.76E-08	1.13E-06	7.67E-08	1.39E-07	1.23E-08	2.28E-07	5.94E-08	7.76E-08	5.61E-09	1.43E-07
4709	564978.1	4222596	1.28E-06	1.56E-06	8.22E-08	2.92E-06	6.78E-07	1.71E-06	8.22E-08	2.47E-06	1.68E-07	3.05E-07	2.69E-08	5.00E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07
4710	564972.9	4222585	1.34E-06	1.64E-06	8.62E-08	3.06E-06	7.10E-07	1.79E-06	8.62E-08	2.59E-06	1.76E-07	3.19E-07	2.82E-08	5.24E-07	1.36E-07	1.78E-07	1.29E-08	3.27E-07
4711	564967.6	4222573	1.4E-06	1.71E-06	9.01E-08	3.20E-06	7.42E-07	1.87E-06	9.01E-08	2.71E-06	1.84E-07	3.34E-07	2.95E-08	5.47E-07	1.42E-07	1.86E-07	1.35E-08	3.42E-07
4712	565103.2	4222810	4.45E-07	5.44E-07	2.87E-08	1.02E-06	2.36E-07	5.96E-07	2.87E-08	8.61E-07	5.85E-08	1.06E-07	9.38E-09	1.74E-07	4.53E-08	5.92E-08	4.28E-09	1.09E-07
4713	565026	4222746	6.1E-07	7.45E-07	3.92E-08	1.39E-06	3.23E-07	8.16E-07	3.92E-08	1.18E-06	8.01E-08	1.45E-07	1.28E-08	2.38E-07	6.20E-08	8.10E-08	5.86E-09	1.49E-07
4714	564965	4222612	1.17E-06	1.43E-06	7.52E-08	2.67E-06	6.19E-07	1.56E-06	7.52E-08	2.26E-06	1.53E-07	2.79E-07	2.46E-08	4.57E-07	1.19E-07	1.55E-07	1.12E-08	2.85E-07
4715	564959.8	4222600	1.22E-06	1.5E-06	7.88E-08	2.80E-06	6.49E-07	1.64E-06	7.88E-08	2.37E-06	1.61E-07	2.92E-07	2.58E-08	4.79E-07	1.24E-07	1.63E-07	1.18E-08	2.99E-07
4716	564954.5	4222589	1.28E-06	1.56E-06	8.24E-08	2.93E-06	6.79E-07	1.71E-06	8.24E-08	2.47E-06	1.68E-07	3.05E-07	2.70E-08	5.00E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07
4717	564949.3	4222577	1.34E-06	1.63E-06	8.60E-08	3.05E-06	7.08E-07	1.79E-06	8.60E-08	2.58E-06	1.75E-07	3.19E-07	2.81E-08	5.22E-07	1.36E-07	1.77E-07	1.28E-08	3.26E-07
4718	565110	4222832	4.07E-07	4.97E-07	2.62E-08	9.30E-07	2.16E-07	5.45E-07	2.62E-08	7.87E-07	5.34E-08	9.71E-08	8.57E-09	1.59E-07	4.13E-08	5.40E-08	3.91E-09	9.93E-08
4719	565081.8	4222823	4.24E-07	5.18E-07	2.73E-08	9.70E-07	2.25E-07	5.68E-07	2.73E-08	8.20E-07	5.57E-08	1.01E-07	8.94E-09	1.66E-07	4.31E-08	5.64E-08	4.08E-09	1.04E-07
4720	565069.8	4222819	4.32E-07	5.28E-07	2.78E-08	9.88E-07	2.29E-07	5.79E-07	2.78E-08	8.36E-07	5.68E-08	1.03E-07	9.10E-09	1.69E-07	4.39E-08	5.74E-08	4.15E-09	1.06E-07
4721	565031.9	4222804	4.66E-07	5.69E-07	3.00E-08	1.06E-06	2.47E-07	6.23E-07	3.00E-08	9.00E-07	6.11E-08	1.11E-07	9.80E-09	1.82E-07	4.73E-08	6.18E-08	4.47E-09	1.14E-07
4722	565023.2	4222784	5.08E-07	6.21E-07	3.27E-08	1.16E-06	2.69E-07	6.81E-07	3.27E-08	9.83E-07	6.68E-08	1.21E-07	1.07E-08	1.99E-07	5.17E-08	6.75E-08	4.88E-09	1.24E-07
4723	565012.7	4222761	5.67E-07	6.93E-07	3.65E-08	1.30E-06	3.01E-07	7.59E-07	3.65E-08	1.10E-06	7.45E-08	1.35E-07	1.19E-08	2.22E-07	5.76E-08	7.53E-08	5.45E-09	1.38E-07
4724	564946.6	4222616	1.12E-06	1.37E-06	7.22E-08	2.56E-06	5.95E-07	1.50E-06	7.22E-08	2.17E-06	1.47E-07	2.68E-07	2.36E-08	4.39E-07	1.14E-07	1.49E-07	1.08E-08	2.74E-07
4725	564941.4	4222604	1.17E-06	1.43E-06	7.55E-08	2.68E-06	6.22E-07	1.57E-06	7.55E-08	2.27E-06	1.54E-07	2.80E-07	2.47E-08	4.59E-07	1.19E-07	1.56E-07	1.13E-08	2.86E-07
4726	564936.2	4222592	1.23E-06	1.5E-06	7.89E-08	2.80E-06	6.50E-07	1.64E-06	7.89E-08	2.37E-06	1.61E-07	2.92E-07	2.58E-08	4.79E-07	1.25E-07	1.63E-07	1.18E-08	2.99E-07
4727	564931	4222581	1.28E-06	1.56E-06	8.22E-08	2.92E-06	6.77E-07	1.71E-06	8.22E-08	2.47E-06	1.68E-07	3.05E-07	2.69E-08	4.99E-07	1.30E-07	1.70E-07	1.23E-08	3.12E-07

4728	564925.7	4222569	1.33E-06	1.62E-06	8.54E-08	3.03E-06	7.04E-07	1.78E-06	8.54E-08	2.57E-06	1.74E-07	3.17E-07	2.80E-08	5.19E-07	1.35E-07	1.76E-07	1.28E-08	3.24E-07
4729	565084.5	4222843	3.91E-07	4.78E-07	2.52E-08	8.94E-07	2.07E-07	5.24E-07	2.52E-08	7.56E-07	5.13E-08	9.33E-08	8.23E-09	1.53E-07	3.97E-08	5.19E-08	3.76E-09	9.54E-08
4730	565072.5	4222839	3.98E-07	4.86E-07	2.56E-08	9.10E-07	2.11E-07	5.33E-07	2.56E-08	7.69E-07	5.23E-08	9.49E-08	8.38E-09	1.56E-07	4.04E-08	5.29E-08	3.82E-09	9.71E-08
4731	565060.5	4222835	4.05E-07	4.95E-07	2.61E-08	9.26E-07	2.15E-07	5.42E-07	2.61E-08	7.83E-07	5.32E-08	9.66E-08	8.53E-09	1.58E-07	4.12E-08	5.38E-08	3.89E-09	9.88E-08
4732	565032.4	4222826	4.22E-07	5.16E-07	2.72E-08	9.66E-07	2.24E-07	5.66E-07	2.72E-08	8.17E-07	5.55E-08	1.01E-07	8.90E-09	1.65E-07	4.29E-08	5.61E-08	4.06E-09	1.03E-07
4733	564999.5	4222776	5.29E-07	6.46E-07	3.41E-08	1.21E-06	2.81E-07	7.08E-07	3.41E-08	1.02E-06	6.95E-08	1.26E-07	1.11E-08	2.07E-07	5.38E-08	7.03E-08	5.08E-09	1.29E-07
4734	564933.5	4222631	1.03E-06	1.26E-06	6.64E-08	2.36E-06	5.47E-07	1.38E-06	6.64E-08	1.99E-06	1.35E-07	2.46E-07	2.17E-08	4.03E-07	1.05E-07	1.37E-07	9.91E-09	2.52E-07
4735	564928.3	4222619	1.08E-06	1.32E-06	6.94E-08	2.47E-06	5.72E-07	1.44E-06	6.94E-08	2.09E-06	1.42E-07	2.57E-07	2.27E-08	4.22E-07	1.10E-07	1.43E-07	1.04E-08	2.63E-07
4736	564923.1	4222608	1.13E-06	1.38E-06	7.25E-08	2.57E-06	5.97E-07	1.51E-06	7.25E-08	2.18E-06	1.48E-07	2.69E-07	2.37E-08	4.40E-07	1.14E-07	1.50E-07	1.08E-08	2.75E-07
4737	564917.8	4222596	1.17E-06	1.43E-06	7.56E-08	2.68E-06	6.22E-07	1.57E-06	7.56E-08	2.27E-06	1.54E-07	2.80E-07	2.47E-08	4.59E-07	1.19E-07	1.56E-07	1.13E-08	2.87E-07
4738	564912.6	4222585	1.22E-06	1.49E-06	7.86E-08	2.79E-06	6.47E-07	1.63E-06	7.86E-08	2.36E-06	1.60E-07	2.91E-07	2.57E-08	4.77E-07	1.24E-07	1.62E-07	1.17E-08	2.98E-07
4739	565099.2	4222867	3.56E-07	4.35E-07	2.29E-08	8.14E-07	1.89E-07	4.77E-07	2.29E-08	6.89E-07	4.68E-08	8.50E-08	7.50E-09	1.39E-07	3.62E-08	4.73E-08	3.42E-09	8.69E-08
4740	565071.2	4222858	3.7E-07	4.52E-07	2.38E-08	8.45E-07	1.96E-07	4.95E-07	2.38E-08	7.15E-07	4.86E-08	8.82E-08	7.79E-09	1.45E-07	3.76E-08	4.91E-08	3.55E-09	9.03E-08
4741	565059.2	4222854	3.76E-07	4.59E-07	2.42E-08	8.59E-07	1.99E-07	5.03E-07	2.42E-08	7.27E-07	4.94E-08	8.97E-08	7.92E-09	1.47E-07	3.82E-08	5.00E-08	3.61E-09	9.18E-08
4742	565047.1	4222850	3.82E-07	4.67E-07	2.46E-08	8.74E-07	2.03E-07	5.12E-07	2.46E-08	7.39E-07	5.02E-08	9.13E-08	8.06E-09	1.50E-07	3.89E-08	5.08E-08	3.67E-09	9.34E-08
4743	565015.1	4222840	4.01E-07	4.89E-07	2.58E-08	9.16E-07	2.12E-07	5.37E-07	2.58E-08	7.75E-07	5.26E-08	9.56E-08	8.44E-09	1.57E-07	4.07E-08	5.32E-08	3.85E-09	9.78E-08
4744	564996.7	4222814	4.47E-07	5.46E-07	2.88E-08	1.02E-06	2.37E-07	5.99E-07	2.88E-08	8.65E-07	5.87E-08	1.07E-07	9.42E-09	1.75E-07	4.55E-08	5.94E-08	4.30E-09	1.09E-07
4745	564988	4222795	4.87E-07	5.94E-07	3.13E-08	1.11E-06	2.58E-07	6.51E-07	3.13E-08	9.41E-07	6.39E-08	1.16E-07	1.02E-08	1.90E-07	4.94E-08	6.46E-08	4.68E-09	1.19E-07
4746	564979.3	4222776	5.31E-07	6.48E-07	3.42E-08	1.21E-06	2.81E-07	7.11E-07	3.42E-08	1.03E-06	6.97E-08	1.27E-07	1.12E-08	2.07E-07	5.39E-08	7.05E-08	5.10E-09	1.30E-07
4747	564915.1	4222634	9.94E-07	1.21E-06	6.40E-08	2.27E-06	5.27E-07	1.33E-06	6.40E-08	1.92E-06	1.31E-07	2.37E-07	2.09E-08	3.89E-07	1.01E-07	1.32E-07	9.55E-09	2.43E-07
4748	564909.9	4222623	1.04E-06	1.27E-06	6.68E-08	2.37E-06	5.50E-07	1.39E-06	6.68E-08	2.01E-06	1.36E-07	2.48E-07	2.19E-08	4.06E-07	1.05E-07	1.38E-07	9.97E-09	2.53E-07
4749	564904.7	4222612	1.08E-06	1.32E-06	6.96E-08	2.47E-06	5.74E-07	1.45E-06	6.96E-08	2.09E-06	1.42E-07	2.58E-07	2.28E-08	4.23E-07	1.10E-07	1.44E-07	1.04E-08	2.64E-07
4750	564899.5	4222600	1.13E-06	1.37E-06	7.24E-08	2.57E-06	5.97E-07	1.51E-06	7.24E-08	2.18E-06	1.48E-07	2.68E-07	2.37E-08	4.40E-07	1.14E-07	1.49E-07	1.08E-08	2.75E-07
4751	564894.3	4222589	1.17E-06	1.43E-06	7.52E-08	2.67E-06	6.20E-07	1.56E-06	7.52E-08	2.26E-06	1.53E-07	2.79E-07	2.46E-08	4.57E-07	1.19E-07	1.55E-07	1.12E-08	2.85E-07
4752	565086.8	4222882	3.37E-07	4.12E-07	2.17E-08	7.71E-07	1.79E-07	4.52E-07	2.17E-08	6.52E-07	4.43E-08	8.05E-08	7.11E-09	1.32E-07	3.43E-08	4.48E-08	3.24E-09	8.24E-08
4753	565074.7	4222878	3.43E-07	4.19E-07	2.21E-08	7.83E-07	1.82E-07	4.59E-07	2.21E-08	6.63E-07	4.50E-08	8.18E-08	7.22E-09	1.34E-07	3.48E-08	4.55E-08	3.29E-09	8.36E-08
4754	565062.5	4222874	3.48E-07	4.25E-07	2.24E-08	7.96E-07	1.85E-07	4.66E-07	2.24E-08	6.73E-07	4.57E-08	8.31E-08	7.33E-09	1.36E-07	3.54E-08	4.62E-08	3.34E-09	8.50E-08
4755	565001.9	4222855	3.78E-07	4.62E-07	2.44E-08	8.65E-07	2.01E-07	5.07E-07	2.44E-08	7.32E-07	4.97E-08	9.03E-08	7.97E-09	1.48E-07	3.85E-08	5.03E-08	3.64E-09	9.24E-08
4756	564974.5	4222810	4.58E-07	5.59E-07	2.94E-08	1.05E-06	2.43E-07	6.13E-07	2.94E-08	8.85E-07	6.01E-08	1.09E-07	9.64E-09	1.79E-07	4.65E-08	6.08E-08	4.40E-09	1.12E-07
4757	564897.5	4222640	9.53E-07	1.16E-06	6.13E-08	2.18E-06	5.05E-07	1.28E-06	6.13E-08	1.84E-06	1.25E-07	2.27E-07	2.01E-08	3.73E-07	9.68E-08	1.27E-07	9.15E-09	2.33E-07
4758	564892.3	4222628	9.94E-07	1.21E-06	6.40E-08	2.27E-06	5.27E-07	1.33E-06	6.40E-08	1.92E-06	1.31E-07	2.37E-07	2.09E-08	3.89E-07	1.01E-07	1.32E-07	9.55E-09	2.43E-07
4759	564887	4222617	1.03E-06	1.26E-06	6.66E-08	2.37E-06	5.49E-07	1.39E-06	6.66E-08	2.00E-06	1.36E-07	2.47E-07	2.18E-08	4.05E-07	1.05E-07	1.37E-07	9.94E-09	2.53E-07
4760	564881.8	4222605	1.08E-06	1.31E-06	6.92E-08	2.46E-06	5.70E-07	1.44E-06	6.92E-08	2.08E-06	1.41E-07	2.57E-07	2.26E-08	4.20E-07	1.09E-07	1.43E-07	1.03E-08	2.62E-07
4761	565089.5	4222902	3.15E-07	3.84E-07	2.02E-08	7.19E-07	1.67E-07	4.21E-07	2.02E-08	6.08E-07	4.13E-08	7.50E-08	6.62E-09	1.23E-07	3.20E-08	4.18E-08	3.02E-09	7.68E-08
4762	565073.4	4222897	3.21E-07	3.92E-07	2.06E-08	7.33E-07	1.70E-07	4.29E-07	2.06E-08	6.20E-07	4.21E-08	7.65E-08	6.75E-09	1.25E-07	3.26E-08	4.26E-08	3.08E-09	7.83E-08
4763	565061.3	4222893	3.25E-07	3.97E-07	2.09E-08	7.44E-07	1.73E-07	4.36E-07	2.09E-08	6.29E-07	4.27E-08	7.76E-08	6.85E-09	1.27E-07	3.31E-08	4.32E-08	3.13E-09	7.94E-08
4764	565049.2	4222889	3.3E-07	4.04E-07	2.13E-08	7.55E-07	1.75E-07	4.42E-07	2.13E-08	6.39E-07	4.34E-08	7.88E-08	6.96E-09	1.29E-07	3.36E-08	4.39E-08	3.17E-09	8.06E-08
4765	565024.9	4222881	3.41E-07	4.16E-07	2.19E-08	7.79E-07	1.81E-07	4.56E-07	2.19E-08	6.59E-07	4.48E-08	8.13E-08	7.18E-09	1.33E-07	3.46E-08	4.53E-08	3.28E-09	8.32E-08
4766	565012.8	4222878	3.46E-07	4.23E-07	2.23E-08	7.92E-07	1.84E-07	4.64E-07	2.23E-08	6.70E-07	4.55E-08	8.26E-08	7.30E-09	1.35E-07	3.52E-08	4.60E-08	3.33E-09	8.46E-08
4767	564988.6	4222870	3.58E-07	4.37E-07	2.30E-08	8.18E-07	1.90E-07	4.79E-07	2.30E-08	6.92E-07	4.70E-08	8.54E-08	7.54E-09	1.40E-07	3.64E-08	4.76E-08	3.44E-09	8.74E-08
4768	564963	4222829	4.23E-07	5.17E-07	2.72E-08	9.68E-07	2.24E-07	5.67E-07	2.72E-08	8.18E-07	5.56E-08	1.01E-07	8.91E-09	1.65E-07	4.30E-08	5.62E-08	4.07E-09	1.03E-07
4769	564954.3	4222809	4.59E-07	5.61E-07	2.96E-08	1.05E-06	2.43E-07	6.15E-07	2.96E-08	8.88E-07	6.03E-08	1.10E-07	9.67E-09	1.80E-07	4.67E-08	6.10E-08	4.41E-09	1.12E-07
4770	564884.4	4222655	8.82E-07	1.08E-06	5.68E-08	2.02E-06	4.68E-07	1.18E-06	5.68E-08	1.71E-06	1.16E-07	2.10E-07	1.86E-08	3.45E-07	8.96E-08	1.17E-07	8.47E-09	2.15E-07
4771	564873.9	4222632	9.58E-07	1.17E-06	6.17E-08	2.19E-06	5.08E-07	1.28E-06	6.17E-08	1.85E-06	1.26E-07	2.29E-07	2.02E-08	3.74E-07	9.73E-08	1.27E-07	9.20E-09	2.34E-07
4772	564868.7	4222620	9.96E-07	1.22E-06	6.41E-08	2.28E-06	5.28E-07	1.33E-06	6.41E-08	1.92E-06	1.31E-07	2.38E-07	2.10E-08	3.89E-07	1.01E-07	1.32E-07	9.57E-09	2.43E-07
4773	565326.1	4222996	2.42E-07	2.95E-07	1.56E-08	5.52E-07	1.28E-07	3.24E-07	1.56E-08	4.67E-07	3.17E-08	5.76E-08	5.09E-09	9.45E-08	2.46E-08	3.21E-08	2.32E-09	5.90E-08
4774	565305.9	4222989	2.43E-07	2.97E-07	1.57E-08	5.56E-07	1.29E-07	3.26E-07	1.57E-08	4.71E-07	3.20E-08	5.81E-08	5.13E-09	9.52E-08	2.47E-08	3.23E-08	2.34E-09	5.94E-08
4775	565281.7	4222982	2.46E-07	3.01E-07	1.59E-08	5.63E-07	1.31E-07	3.30E-07	1.59E-08	4.76E-07	3.24E-08	5.88E-08	5.19E-09	9.63E-08	2.50E-08	3.27E-08	2.37E-09	6.01E-08
4776	565269.6	4222978	2.48E-07	3.03E-07	1.60E-08	5.67E-07	1.32E-07	3.32E-07	1.60E-08	4.80E-07	3.26E-08	5.92E-08	5.23E-09	9.70E-08	2.52E-08	3.30E-08	2.38E-09	6.06E-08
4777	565257.5	4222974	2.5E-07	3.06E-07	1.61E-08	5.72E-07	1.33E-07	3.35E-07	1.61E-08	4.84E-07	3.29E-08	5.97E-08	5.27E-09	9.78E-08	2.54E-08	3.32E-08	2.40E-09	6.11E-08
4778	565245.4	4222970	2.53E-07	3.08E-07	1.63E-08	5.77E-07	1.34E-07	3.38E-07	1.63E-08	4.88E-07	3.32E-08	6.02E-08	5.32E-09	9.87E-08	2.57E-08	3.35E-08	2.43E-09	6.16E-08
4779	565233.3	4222966	2.55E-07	3.11E-07	1.64E-08	5.83E-07	1.35E-07	3.41E-07	1.64E-08	4.93E-07	3.35E-08	6.08E-08	5.37E-09	9.97E-08	2.59E-08	3.39E-08	2.45E-09	6.22E-08
4780	565221.2	4222963	2.58E-07	3.15E-07	1.66E-08	5.89E-07	1.37E-07	3.45E-07	1.66E-08	4.98E-07	3.38E-08	6.15E-08	5.43E-09	1.01E-07	2.62E-08	3.42E-08	2.48E-09	6.29E-08
4781	565180.9	4222950	2.68E-07	3.27E-07	1.72E-08	6.12E-07	1.42E-07	3.59E-07	1.72E-08	5.18E-07	3.52E-08	6.39E-08	5.64E-09	1.05E-07	2.72E-08	3.56E-08	2.57E-09	6.54E-08
4782	565168.8	4222946	2.71E-07	3.31E-07	1.74E-08	6.20E-07	1.44E-07	3.63E-07	1.74E-08	5.24E-07	3.56E-08	6.47E-08	5.71E-09	1.06E-07	2.75E-08	3.60E-08	2.60E-09	6.62E-08
4783	565156.7	4222942	2.74E-07	3.35E-07	1.77E-08	6.27E-07	1.46E-07	3.68E-07	1.77E-08	5.31E-07	3.60E-08	6.55E-08	5.78E-09	1.07E-07	2.79E-08	3.65E-08	2.64E-09	6.70E-08
4784	565144.6	4222938	2.78E-07	3.4E-07	1.79E-08	6.35E-07	1.47E-07	3.72E-07	1.79E-08	5.37E-07	3.65E-08	6.63E-08	5.85E-09	1.09E-07	2.83E-08	3.69E-08	2.67E-09	6.79E-08
4785	565132.5	4222935	2.82E-07	3.44E-07	1.81E-08	6.44E-07	1.49E-07	3.77E-07	1.81E-08	5.44E-07	3.70E-08	6.72E-08	5.93E-09	1.10E-07	2.86E-08	3.74E-08	2.71E-09	6.87E-08
4786	565108.3	4222927	2.89E-07	3.53E-07	1.86E-08	6.61E-07	1.53E-07	3.87E-07	1.86E-08	5.59E-07	3.80E-08	6.90E-08	6.09E-09	1.13E-07	2.94E-08	3.84E-08	2.78E-09	7.05E-08
4787	565080.1	4222918	2.98E-07	3.64E-07	1.92E-08	6.82E-07	1.58E-07	3.99E-07	1.92E-08	5.77E-07	3.92E-08	7.11E-08	6.28E-09	1.17E-07	3.03E-08	3.96E-08	2.86E-09	7.28E-08
4788	565068	4222914	3.02E-07	3.69E-07	1.95E-08	6.91E-07	1.60E-07	4.05E-07	1.95E-08	5.84E-07	3.97E-08	7.21E-08	6.37E-09	1.18E-07	3.07E-08	4.02E-08	2.90E-09	7.38E-08
4789	565055.9	4222910	3.07E-07	3.74E-07	1.97E-08	7.01E-07	1.63E-07	4.10E-07	1.97E-08	5.93E-07	4.03E-08	7.31E-08	6.46E-09	1.20E-07	3.12E-08	4.07E-08	2.95E-09	7.48E-08
4790	565031.7	4222903	3.16E-07	3.85E-07	2.03E-08	7.21E-07	1.67E-07	4.23E-07	2.03E-08	6.10E-07	4.14E-08	7.53E-08	6.65E-09	1.23E-07	3.21E-08	4.19E-08	3.03E-09	7.70E-08
4791	565019.6	4222899	3.2E-07	3.91E-07	2.06E-08	7.32E-07	1.70E-07	4.29E-07	2.06E-08	6.19E-07	4.21E-08	7.64E-08	6.75E-09	1.25E-07	3.26E-08	4.26E-08	3.08E-09	7.82E-08
4792	564975.3	4222885	3.39E-07	4.15E-07	2.18E-08	7.76E-07	1.80E-07	4.54E-07	2.18E-08	6.56E-07	4.46E-08	8.10E-08	7.15E-09	1.33E-07	3.45E-08	4.51E-08	3.26E-09	8.28E-08
4793	564958.5	4222863	3.7E-07	4.51E-07	2.38E-08	8.45E-07	1.96E-07	4.95E-07	2.38E-08	7.15E-07	4.85E-08	8.82E-08	7.78E-09	1.44E-07	3.76E-08	4.91E-08	3.55E-09	9.02E-08
4794	564949.8	4222844	3.99E-07	4.87E-07	2.57E-08	9.12E-07	2.12E-07	5.34E-07	2.57E-08	7.72E-07	5.24E-08	9.52E-08	8.41E-09	1.56E-07	4.06E-08	5.30E-08	3.83E-09	9.74E-08
4795	564944.5	4222832	4.18E-07	5.11E-07	2.69E-08	9.56E-07	2.22E-07	5.60E-07	2.69E-08	8.09E-07	5.49E-08	9.98E-08	8.81E-09	1.64E-07	4.25E-08	5.56E-08	4.02E-09	1.02E-07
4796	564935.8	4222813	4.53E-07	5.54E-07	2.92E-08	1.04E-06	2.40E-07	6.07E-07	2.92E-08	8.76E-07	5.95E-08	1.08E-07	9.55E-09	1.77E-07	4.61E-08	6.02E-08	4.36E-09	1.11E-07
4797	564871.3	4222670	8.18E-07	1E-06	5.27E-08	1.87E-06	4.34E-07	1.10E-06	5.27E-08	1.58E-06	1.07E-07	1.95E-07	1.72E-08	3.20E-07	8.32E-08	1.09E-07	7.86E-09	2.00E-07
4798	564866	4222659	8.53E-07	1.04E-06	5.49E-08	1.95E-06	4.52E-07	1.14E-06	5.49E-08	1.65E-06	1.12E-07	2.04E-07	1.80E-08	3.34E-07	8.67E-08	1.13E-07	8.20E-09	2.08E-07
4799	564855.5	4222636	9.24E-07	1.13E-06	5.95E-08	2.11E-06	4.90E-07	1.24E-06	5.95E-08	1.79E-06	1.21E-07	2.20E-07	1.95E-08	3.61E-07	9.39E-08	1.23E-07	8.88E-09	2.25E-07
4800	564850.3	4222624	9.59E-07	1.17E-06	6.17E-08	2.19E-06	5.08E-07	1.28E-06	6.17E-08	1.85E-06	1.26E-07	2.29E-07	2.02E-08	3.75E-07	9.74E-08	1.27E-07	9.21E-09	2.34E-07
4801	565328.4	4223016	2.29E-07	2.8E-07	1.48E-08	5.24E-07	1.22E-07	3.07E-07	1.48E-08	4.43E-07	3.01E-08	5.47E-08	4.83E-09	8.97E-08	2.33E-08	3.05E-08	2.20E-09	5.60E-08
4802	565316.3	4223012	2.3E-07	2.81E-07	1.48E-08	5.26E-07	1.22E-07	3.08E-07	1.48E-08	4.45E-07	3.02E-08	5.49E-08	4.85E-09	9.00E-08	2.34E-08	3.06E-08	2.21E-09	5.62E-08
4803	565304.3	4223008	2.31E-07	2.82E-07	1.49E-08	5.29E-07	1.23E-07	3.10E-07	1.49E-08	4.47E-07	3.04E-08	5.52E-08	4.87E-09	9.04E-08	2.35E-08	3.07E-08	2.22E-09	5.64E-08
4804	565280.1	4223000	2.34E-07	2.86E-07	1.51E-08	5.35E-07	1.24E-07	3.13E-07	1.51E-08	4.52E-07	3.07E-08	5.58E-08	4.93E-09	9.15E-08	2.38E-08	3.11E-08	2.25E-09	5.71E-08
4805	565268	4222997	2.36E-07	2.88E-07	1.52E-08	5.38E-07	1.25E-07	3.15E-07	1.52E-08	4.55E-07	3.09E-08	5.62E-08	4.96E-09	9.21E-08	2.39E-08	3.13E-08	2.26E-09	5.75E-08
4806	565255.9	4222993	2.37E-07	2.9E-07	1.53E-08	5.42E-07	1.26E-07	3.18E-07	1.53E-08	4.59E-07	3.12E-08	5.66E-08	5.00E-09	9.28E-08	2.41E-08	3.15E-08	2.28E-09	5.79E-08
4807	565243.9	4222989	2.39E-07	2.92E-07	1.54E-08	5.47E-07	1.27E-07	3.21E-07	1.54E-08	4.63E-07	3.14E-08	5.71E-08	5.04E-09	9.36E-08	2.43E-08	3.18E-08	2.30E-09	5.84E-08
4808	565231.8	4222985	2.42E-07	2.95E-07	1.56E-08	5.52E-07	1.28E-07	3.24E-07	1.56E-08	4.67E-07	3.17E-08	5.77E-08	5.09E-09	9.45E-08	2.46E-08	3.21E-08	2.32E-09	5.90E-08
4809	565219.7	4222981	2.44E-07	2.98E-07	1.57E-08	5.58E-07	1.29E-07	3.27E-07	1.57E-08	4.72E-07	3.21E-08	5.82E-08	5.14E-09	9.54E-08	2.48E-08	3.24E-08	2.35E-09	5.96E-08
4810	565179.4	4222969	2.53E-07	3.09E-07	1.63E-08	5.79E-07	1.34E-07	3.39E-07	1.63E-08	4.90E-07	3.33E-08	6.04E-08	5.33E-09	9.90E-08	2.57E-08	3.36E-08	2.43E-09	6.18E-08
4811	565167.4	4222965	2.56E-07	3.13E-07	1.65E-08	5.86E-07	1.36E-07	3.43E-07	1.65E-08	4.95E-07	3.37E-08	6.11E-08	5.40E-09	1.00E-07	2.60E-08	3.40E-08	2.46E-09	6.25E-08
4812	565155.3	4222961	2.59E-07	3.17E-07	1.67E-08	5.93E-07	1.38E-07	3.47E-07	1.67E-08	5.01E-07	3.41E-08	6.19E-08	5.46E-09	1.01E-07	2.64E-08	3.45E-08	2.49E-09	6.33E-08
4813	565143.2	4222957	2.63E-07	3.21E-07	1.69E-08	6.00E-07	1.39E-07	3.51E-07	1.69E-08	5.08E-07	3.45E-08	6.26E-08	5.53E-09	1.03E-07	2.67E-08	3.49E-08	2.52E-09	6.41E-08
4814	565131.1	4222953	2.66E-07	3.25E-07	1.71E-08	6.07E-07	1.41E-07	3.56E-07	1.71E-08	5.14E-07	3.49E-08	6.34E-08	5.60E-09	1.04E-07	2.70E-08	3.53E-08	2.55E-09	6.49E-08
4815	565107	4222946	2.72E-07	3.33E-07	1.75E-08	6.23E-07	1.44E-07	3.65E-07	1.75E-08	5.27E-07	3.58E-08	6.50E-08	5.74E-09	1.07E-07	2.77E-08	3.62E-08	2.62E-09	6.65E-08
4816	565094.9	4222942	2.76E-07	3.37E-07	1.78E-08	6.31E-07	1.46E-07	3.69E-07	1.78E-08	5.34E-07	3.62E-08	6.58E-08	5.81E-09	1.08E-07	2.80E-08	3.67E-08	2.65E-09	6.74E-08
4817	565074.8	4222935	2.82E-07	3.44E-07	1.81E-08	6.44E-07	1.49E-07	3.77E-07	1.81E-08	5.45E-07	3.70E-08	6.73E-08	5.94E-09	1.10E-07	2.87E-08	3.75E-08	2.71E-09	6.88E-08
4818	565062.7	4222932	2.86E-07	3.49E-07	1.84E-08	6.53E-07	1.51E-07	3.82E-07	1.84E-08	5.52E-07	3.75E-08	6.82E-08	6.02E-09	1.12E-07	2.90E-08	3.79E-08	2.74E-09	6.97E-08
4819	565050.6	4222928	2.89E-07	3.54E-07	1.86E-08	6.62E-07	1.53E-07	3.88E-07	1.86E-08	5.60E-07	3.80E-08	6.91E-08	6.10E-09	1.13E-07	2.94E-08	3.85E-08	2.78E-09	7.07E-08
4820	565026.4	4222920	2.98E-07	3.63E-07	1.92E-08	6.80E-07	1.58E-07	3.98E-07	1.92E-08	5.75E-07	3.91E-08	7.10E-08	6.27E-09	1.16E-07	3.02E-08	3.95E-08	2.86E-09	7.26E-08
4821	565014.4	4222916	3.02E-07	3.69E-07	1.94E-08	6.90E-07	1.60E-07	4.04E-07	1.94E-08	5.84E-07	3.96E-08	7.20E-08	6.36E-09	1.18E-07	3.07E-08	4.01E-08	2.90E-09	7.37E-08
4822	565002.3	4222913	3.06E-07	3.74E-07	1.97E-08	7.00E-07	1.62E-07	4.10E-07	1.97E-08	5.92E-07	4.02E-08	7.31E-08	6.45E-09	1.20E-07	3.11E-08	4.07E-08	2.94E-09	7.48E-08
4823	564990.2	4222909	3.11E-07	3.8E-07	2.00E-08	7.11E-07	1.65E-07	4.16E-07	2.00E-08	6.01E-07	4.08E-08	7.42E-08	6.55E-09	1.22E-07	3.16E-08	4.13E-08	2.99E-09	7.59E-08
4824	564978.1	4222905	3.16E-07	3.86E-07	2.03E-08	7.21E-07	1.67E-07	4.23E-07	2.03E-08	6.10E-07	4.15E-08	7.53E-08	6.65E-09	1.23E-07	3.21E-08	4.19E-08	3.03E-09	7.70E-08
4825	564966	4222901	3.21E-07	3.92E-07	2.06E-08	7.33E-07	1.70E-07	4.29E-07	2.06E-08	6.20E-07	4.21E-08	7.65E-08	6.75E-09	1.25E-07	3.26E-08	4.26E-08	3.08E-09	7.82E-08
4826	564952.2	4222893	3.3E-07	4.03E-07	2.13E-08	7.55E-07	1.75E-07	4.42E-07	2.13E-08	6.39E-07	4.34E-08	7.88E-08	6.96E-09	1.29E-07	3.36E-08	4.39E-08	3.17E-09	8.06E-08
4827	564947	4222882	3.45E-07	4.21E-07	2.22E-08	7.88E-07	1.83E-07	4.62E-07	2.22E-08	6.67E-07	4.53E-08	8.23E-08	7.26E-09	1.35E-07	3.50E-08	4.58E-08	3.31E-09	8.42E-08
4828	564936.5	4222859	3.77E-07	4.6E-07	2.43E-08	8.62E-07	2.00E-07	5.05E-07	2.43E-08	7.29E-07	4.95E-08	9.00E-08	7.94E-09	1.47E-07	3.83E-08	5.01E-08	3.62E-09	9.20E-08
4829	564931.3	4222847	3.95E-07	4.82E-07	2.54E-08	9.02E-07	2.09E-07	5.28E-07	2.54E-08	7.63E-07	5.18E-08	9.42E-08	8.31E-09	1.54E-07	4.01E-08	5.24E-08	3.79E-09	9.63E-08
4830	564922.6	4222828	4.27E-07	5.21E-07	2.75E-08	9.75E-07	2.26E-07	5.71E-07	2.75E-08	8.25E-07	5.60E-08	1.02E-07	8.98E-09	1.67E-07	4.34E-08	5.67E-08	4.10E-09	1.04E-07
4831	564858.1	4222686	7.61E-07	9.29E-07	4.90E-08	1.74E-06	4.03E-07	1.02E-06	4.90E-08	1.47E-06	9.99E-08	1.82E-07	1.60E-08	2.98E-07	7.73E-08	1.01E-07	7.31E-09	1.86E-07
4832	564852.9	4222674	7.93E-07	9.69E-07	5.11E-08	1.81E-06	4.21E-07	1.06E-06	5.11E-08	1.53E-06	1.04E-07	1.89E-07	1.67E-08	3.10E-07	8.06E-08	1.05E-07	7.62E-09	1.94E-07
4833	564847.6	4222663	8.26E-07	1.01E-06	5.32E-08	1.89E-06	4.38E-07	1.11E-06	5.32E-08	1.60E-06	1.08E-07	1.97E-07	1.74E-08	3.23E-07	8.40E-08	1.10E-07	7.94E-09	2.02E-07
4834	564837.2	4222640	8.91E-07	1.09E-06	5.74E-08	2.04E-06	4.73E-07	1.19E-06	5.74E-08	1.72E-06	1.17E-07	2.13E-07	1.88E-08	3.49E-07	9.06E-08	1.18E-07	8.57E-09	2.18E-07
4835	564832	4222628	9.24E-07	1.13E-06	5.95E-08	2.11E-06	4.90E-07	1.24E-06	5.95E-08	1.79E-06	1.21E-07	2.20E-07	1.95E-08	3.61E-07	9.39E-08	1.23E-07	8.88E-09	2.25E-07
4836	564767.5	4222486	1.25E-06	1.53E-06	8.06E-08	2.86E-06	6.64E-07	1.68E-06	8.06E-08	2.42E-06	1.65E-07	2.99E-07	2.64E-08	4.90E-07	1.27E-07	1.66E-07	1.20E-08	3.06E-07
4837	565330.8	4223036	2.18E-07	2.66E-07	1.40E-08	4.99E-07	1.16E-07	2.92E-07	1.40E-08	4.22E-07	2.86E-08	5.20E-08	4.59E-09	8.53E-08	2.22E-08	2.90E-08	2.10E-09	5.32E-08

4838	565318.7	4223032	2.19E-07	2.67E-07	1.41E-08	5.00E-07	1.16E-07	2.93E-07	1.41E-08	4.23E-07	2.87E-08	5.22E-08	4.61E-09	8.55E-08	2.22E-08	2.91E-08	2.10E-09	5.34E-08
4839	565306.6	4223028	2.2E-07	2.68E-07	1.41E-08	5.02E-07	1.16E-07	2.94E-07	1.41E-08	4.25E-07	2.88E-08	5.24E-08	4.63E-09	8.59E-08	2.23E-08	2.92E-08	2.11E-09	5.36E-08
4840	565282.5	4223020	2.22E-07	2.71E-07	1.43E-08	5.07E-07	1.18E-07	2.97E-07	1.43E-08	4.29E-07	2.91E-08	5.30E-08	4.67E-09	8.68E-08	2.26E-08	2.95E-08	2.13E-09	5.42E-08
4841	565270.4	4223016	2.23E-07	2.73E-07	1.44E-08	5.11E-07	1.18E-07	2.99E-07	1.44E-08	4.32E-07	2.93E-08	5.33E-08	4.70E-09	8.73E-08	2.27E-08	2.97E-08	2.15E-09	5.45E-08
4842	565258.4	4223013	2.25E-07	2.75E-07	1.45E-08	5.14E-07	1.19E-07	3.01E-07	1.45E-08	4.35E-07	2.95E-08	5.37E-08	4.74E-09	8.80E-08	2.29E-08	2.99E-08	2.16E-09	5.49E-08
4843	565246.3	4223009	2.27E-07	2.77E-07	1.46E-08	5.18E-07	1.20E-07	3.04E-07	1.46E-08	4.38E-07	2.98E-08	5.41E-08	4.78E-09	8.87E-08	2.30E-08	3.01E-08	2.18E-09	5.53E-08
4844	565234.2	4223005	2.29E-07	2.79E-07	1.47E-08	5.23E-07	1.21E-07	3.06E-07	1.47E-08	4.42E-07	3.00E-08	5.46E-08	4.82E-09	8.94E-08	2.32E-08	3.04E-08	2.20E-09	5.58E-08
4845	565222.2	4223001	2.31E-07	2.82E-07	1.49E-08	5.28E-07	1.22E-07	3.09E-07	1.49E-08	4.46E-07	3.03E-08	5.51E-08	4.86E-09	9.03E-08	2.35E-08	3.07E-08	2.22E-09	5.63E-08
4846	565198.1	4222994	2.36E-07	2.88E-07	1.52E-08	5.39E-07	1.25E-07	3.15E-07	1.52E-08	4.56E-07	3.09E-08	5.62E-08	4.96E-09	9.21E-08	2.39E-08	3.13E-08	2.26E-09	5.75E-08
4847	565186	4222990	2.38E-07	2.91E-07	1.53E-08	5.44E-07	1.26E-07	3.19E-07	1.53E-08	4.61E-07	3.13E-08	5.68E-08	5.02E-09	9.31E-08	2.42E-08	3.16E-08	2.29E-09	5.81E-08
4848	565173.9	4222986	2.41E-07	2.94E-07	1.55E-08	5.51E-07	1.28E-07	3.22E-07	1.55E-08	4.66E-07	3.16E-08	5.75E-08	5.07E-09	9.42E-08	2.45E-08	3.20E-08	2.31E-09	5.88E-08
4849	565161.9	4222982	2.44E-07	2.98E-07	1.57E-08	5.57E-07	1.29E-07	3.26E-07	1.57E-08	4.71E-07	3.20E-08	5.81E-08	5.13E-09	9.53E-08	2.48E-08	3.24E-08	2.34E-09	5.95E-08
4850	565149.8	4222978	2.46E-07	3.01E-07	1.59E-08	5.63E-07	1.31E-07	3.30E-07	1.59E-08	4.77E-07	3.24E-08	5.88E-08	5.19E-09	9.64E-08	2.50E-08	3.27E-08	2.37E-09	6.02E-08
4851	565137.7	4222975	2.49E-07	3.05E-07	1.61E-08	5.70E-07	1.32E-07	3.34E-07	1.61E-08	4.82E-07	3.28E-08	5.95E-08	5.25E-09	9.75E-08	2.53E-08	3.31E-08	2.40E-09	6.09E-08
4852	565113.6	4222967	2.55E-07	3.12E-07	1.64E-08	5.84E-07	1.35E-07	3.42E-07	1.64E-08	4.94E-07	3.35E-08	6.09E-08	5.38E-09	9.99E-08	2.60E-08	3.39E-08	2.45E-09	6.23E-08
4853	565101.5	4222963	2.59E-07	3.16E-07	1.66E-08	5.91E-07	1.37E-07	3.46E-07	1.66E-08	5.00E-07	3.40E-08	6.17E-08	5.44E-09	1.01E-07	2.63E-08	3.43E-08	2.48E-09	6.31E-08
4854	565089.5	4222959	2.62E-07	3.2E-07	1.68E-08	5.98E-07	1.39E-07	3.50E-07	1.68E-08	5.06E-07	3.44E-08	6.24E-08	5.51E-09	1.02E-07	2.66E-08	3.48E-08	2.51E-09	6.39E-08
4855	565077.4	4222955	2.65E-07	3.24E-07	1.71E-08	6.05E-07	1.40E-07	3.55E-07	1.71E-08	5.12E-07	3.48E-08	6.32E-08	5.58E-09	1.04E-07	2.69E-08	3.52E-08	2.55E-09	6.47E-08
4856	565065.3	4222952	2.68E-07	3.28E-07	1.73E-08	6.13E-07	1.42E-07	3.59E-07	1.73E-08	5.19E-07	3.52E-08	6.40E-08	5.65E-09	1.05E-07	2.73E-08	3.56E-08	2.58E-09	6.55E-08
4857	565053.3	4222948	2.72E-07	3.32E-07	1.75E-08	6.21E-07	1.44E-07	3.64E-07	1.75E-08	5.25E-07	3.57E-08	6.48E-08	5.72E-09	1.06E-07	2.76E-08	3.61E-08	2.61E-09	6.63E-08
4858	565029.2	4222940	2.79E-07	3.4E-07	1.79E-08	6.37E-07	1.48E-07	3.73E-07	1.79E-08	5.39E-07	3.66E-08	6.65E-08	5.87E-09	1.09E-07	2.83E-08	3.70E-08	2.68E-09	6.80E-08
4859	565017.1	4222936	2.82E-07	3.45E-07	1.82E-08	6.46E-07	1.50E-07	3.78E-07	1.82E-08	5.46E-07	3.71E-08	6.74E-08	5.95E-09	1.10E-07	2.87E-08	3.75E-08	2.71E-09	6.89E-08
4860	565005	4222933	2.86E-07	3.5E-07	1.84E-08	6.55E-07	1.52E-07	3.83E-07	1.84E-08	5.54E-07	3.76E-08	6.83E-08	6.03E-09	1.12E-07	2.91E-08	3.80E-08	2.75E-09	6.99E-08
4861	564993	4222929	2.9E-07	3.55E-07	1.87E-08	6.64E-07	1.54E-07	3.89E-07	1.87E-08	5.61E-07	3.81E-08	6.93E-08	6.12E-09	1.14E-07	2.95E-08	3.86E-08	2.79E-09	7.09E-08
4862	564980.9	4222925	2.95E-07	3.6E-07	1.90E-08	6.73E-07	1.56E-07	3.94E-07	1.90E-08	5.70E-07	3.87E-08	7.03E-08	6.20E-09	1.15E-07	2.99E-08	3.91E-08	2.83E-09	7.19E-08
4863	564968.8	4222921	2.99E-07	3.65E-07	1.92E-08	6.83E-07	1.58E-07	4.00E-07	1.92E-08	5.78E-07	3.93E-08	7.13E-08	6.29E-09	1.17E-07	3.04E-08	3.97E-08	2.87E-09	7.30E-08
4864	564956.8	4222917	3.03E-07	3.71E-07	1.95E-08	6.93E-07	1.61E-07	4.06E-07	1.95E-08	5.87E-07	3.98E-08	7.24E-08	6.39E-09	1.19E-07	3.08E-08	4.03E-08	2.91E-09	7.41E-08
4865	564944.7	4222913	3.08E-07	3.76E-07	1.98E-08	7.04E-07	1.63E-07	4.12E-07	1.98E-08	5.96E-07	4.05E-08	7.35E-08	6.49E-09	1.20E-07	3.13E-08	4.09E-08	2.96E-09	7.52E-08
4866	564937.2	4222905	3.18E-07	3.89E-07	2.05E-08	7.27E-07	1.69E-07	4.26E-07	2.05E-08	6.15E-07	4.18E-08	7.59E-08	6.70E-09	1.24E-07	3.23E-08	4.23E-08	3.06E-09	7.77E-08
4867	564932	4222893	3.32E-07	4.05E-07	2.14E-08	7.59E-07	1.76E-07	4.44E-07	2.14E-08	6.42E-07	4.36E-08	7.92E-08	6.99E-09	1.30E-07	3.37E-08	4.41E-08	3.19E-09	8.10E-08
4868	564926.8	4222881	3.47E-07	4.23E-07	2.23E-08	7.92E-07	1.84E-07	4.64E-07	2.23E-08	6.70E-07	4.55E-08	8.27E-08	7.30E-09	1.36E-07	3.52E-08	4.60E-08	3.33E-09	8.46E-08
4869	564921.5	4222870	3.62E-07	4.42E-07	2.33E-08	8.28E-07	1.92E-07	4.85E-07	2.33E-08	7.00E-07	4.76E-08	8.64E-08	7.63E-09	1.42E-07	3.68E-08	4.81E-08	3.48E-09	8.84E-08
4870	564916.3	4222858	3.79E-07	4.62E-07	2.44E-08	8.65E-07	2.01E-07	5.07E-07	2.44E-08	7.32E-07	4.97E-08	9.03E-08	7.97E-09	1.48E-07	3.85E-08	5.03E-08	3.64E-09	9.24E-08
4871	564911.1	4222847	3.96E-07	4.84E-07	2.55E-08	9.05E-07	2.10E-07	5.30E-07	2.55E-08	7.66E-07	5.20E-08	9.45E-08	8.34E-09	1.55E-07	4.03E-08	5.26E-08	3.81E-09	9.67E-08
4872	564904.1	4222832	4.21E-07	5.15E-07	2.71E-08	9.63E-07	2.23E-07	5.64E-07	2.71E-08	8.15E-07	5.53E-08	1.01E-07	8.87E-09	1.65E-07	4.28E-08	5.60E-08	4.05E-09	1.03E-07
4873	564845	4222701	7.09E-07	8.66E-07	4.56E-08	1.62E-06	3.76E-07	9.50E-07	4.56E-08	1.37E-06	9.31E-08	1.69E-07	1.49E-08	2.77E-07	7.21E-08	9.42E-08	6.81E-09	1.73E-07
4874	564839.7	4222689	7.39E-07	9.03E-07	4.76E-08	1.69E-06	3.92E-07	9.90E-07	4.76E-08	1.43E-06	9.71E-08	1.76E-07	1.56E-08	2.89E-07	7.51E-08	9.82E-08	7.10E-09	1.80E-07
4875	564834.5	4222678	7.7E-07	9.4E-07	4.95E-08	1.76E-06	4.08E-07	1.03E-06	4.95E-08	1.49E-06	1.01E-07	1.84E-07	1.62E-08	3.01E-07	7.82E-08	1.02E-07	7.39E-09	1.88E-07
4876	564829.3	4222666	8E-07	9.77E-07	5.15E-08	1.83E-06	4.24E-07	1.07E-06	5.15E-08	1.55E-06	1.05E-07	1.91E-07	1.68E-08	3.13E-07	8.13E-08	1.06E-07	7.69E-09	1.95E-07
4877	564824.1	4222655	8.31E-07	1.01E-06	5.35E-08	1.90E-06	4.40E-07	1.11E-06	5.35E-08	1.61E-06	1.09E-07	1.98E-07	1.75E-08	3.25E-07	8.44E-08	1.10E-07	7.98E-09	2.03E-07
4878	564749.2	4222490	1.19E-06	1.46E-06	7.69E-08	2.73E-06	6.33E-07	1.60E-06	7.69E-08	2.31E-06	1.57E-07	2.85E-07	2.52E-08	4.67E-07	1.21E-07	1.59E-07	1.15E-08	2.92E-07
4879	565333.1	4223055	2.08E-07	2.54E-07	1.34E-08	4.75E-07	1.10E-07	2.78E-07	1.34E-08	4.02E-07	2.73E-08	4.96E-08	4.38E-09	8.12E-08	2.11E-08	2.76E-08	2.00E-09	5.07E-08
4880	565321	4223052	2.08E-07	2.54E-07	1.34E-08	4.76E-07	1.10E-07	2.79E-07	1.34E-08	4.03E-07	2.74E-08	4.97E-08	4.39E-09	8.15E-08	2.12E-08	2.77E-08	2.00E-09	5.08E-08
4881	565309	4223048	2.09E-07	2.55E-07	1.35E-08	4.78E-07	1.11E-07	2.80E-07	1.35E-08	4.04E-07	2.75E-08	4.99E-08	4.40E-09	8.17E-08	2.12E-08	2.78E-08	2.01E-09	5.10E-08
4882	565284.9	4223040	2.11E-07	2.58E-07	1.36E-08	4.82E-07	1.12E-07	2.83E-07	1.36E-08	4.08E-07	2.77E-08	5.03E-08	4.44E-09	8.25E-08	2.14E-08	2.80E-08	2.03E-09	5.15E-08
4883	565272.8	4223036	2.12E-07	2.59E-07	1.37E-08	4.85E-07	1.13E-07	2.84E-07	1.37E-08	4.10E-07	2.79E-08	5.06E-08	4.47E-09	8.30E-08	2.16E-08	2.82E-08	2.04E-09	5.18E-08
4884	565260.8	4223033	2.14E-07	2.61E-07	1.38E-08	4.88E-07	1.13E-07	2.86E-07	1.38E-08	4.13E-07	2.81E-08	5.10E-08	4.50E-09	8.35E-08	2.17E-08	2.84E-08	2.05E-09	5.21E-08
4885	565248.7	4223029	2.15E-07	2.63E-07	1.39E-08	4.92E-07	1.14E-07	2.88E-07	1.39E-08	4.16E-07	2.83E-08	5.13E-08	4.53E-09	8.41E-08	2.19E-08	2.86E-08	2.07E-09	5.25E-08
4886	565236.7	4223025	2.17E-07	2.65E-07	1.40E-08	4.96E-07	1.15E-07	2.90E-07	1.40E-08	4.19E-07	2.85E-08	5.18E-08	4.57E-09	8.48E-08	2.20E-08	2.88E-08	2.08E-09	5.29E-08
4887	565224.6	4223021	2.19E-07	2.67E-07	1.41E-08	5.00E-07	1.16E-07	2.93E-07	1.41E-08	4.23E-07	2.87E-08	5.22E-08	4.61E-09	8.55E-08	2.22E-08	2.91E-08	2.10E-09	5.34E-08
4888	565212.6	4223017	2.21E-07	2.7E-07	1.42E-08	5.05E-07	1.17E-07	2.96E-07	1.42E-08	4.27E-07	2.90E-08	5.27E-08	4.65E-09	8.64E-08	2.24E-08	2.93E-08	2.12E-09	5.39E-08
4889	565188.5	4223010	2.25E-07	2.75E-07	1.45E-08	5.15E-07	1.19E-07	3.02E-07	1.45E-08	4.36E-07	2.96E-08	5.38E-08	4.75E-09	8.81E-08	2.29E-08	2.99E-08	2.17E-09	5.50E-08
4890	565176.4	4223006	2.28E-07	2.78E-07	1.47E-08	5.21E-07	1.21E-07	3.05E-07	1.47E-08	4.40E-07	2.99E-08	5.43E-08	4.80E-09	8.91E-08	2.31E-08	3.03E-08	2.19E-09	5.56E-08
4891	565164.4	4223002	2.3E-07	2.81E-07	1.48E-08	5.26E-07	1.22E-07	3.08E-07	1.48E-08	4.45E-07	3.02E-08	5.49E-08	4.85E-09	9.00E-08	2.34E-08	3.06E-08	2.21E-09	5.62E-08
4892	565104.1	4222983	2.44E-07	2.98E-07	1.57E-08	5.57E-07	1.29E-07	3.26E-07	1.57E-08	4.71E-07	3.20E-08	5.82E-08	5.13E-09	9.53E-08	2.48E-08	3.24E-08	2.34E-09	5.95E-08
4893	565092.1	4222979	2.47E-07	3.01E-07	1.59E-08	5.64E-07	1.31E-07	3.30E-07	1.59E-08	4.77E-07	3.24E-08	5.88E-08	5.19E-09	9.64E-08	2.51E-08	3.28E-08	2.37E-09	6.02E-08
4894	565080	4222975	2.5E-07	3.05E-07	1.61E-08	5.70E-07	1.32E-07	3.34E-07	1.61E-08	4.83E-07	3.28E-08	5.95E-08	5.26E-09	9.76E-08	2.54E-08	3.32E-08	2.40E-09	6.09E-08
4895	565068	4222972	2.53E-07	3.08E-07	1.63E-08	5.77E-07	1.34E-07	3.38E-07	1.63E-08	4.88E-07	3.32E-08	6.03E-08	5.32E-09	9.87E-08	2.57E-08	3.35E-08	2.43E-09	6.16E-08
4896	565055.9	4222968	2.56E-07	3.12E-07	1.64E-08	5.84E-07	1.35E-07	3.42E-07	1.64E-08	4.94E-07	3.36E-08	6.10E-08	5.38E-09	9.99E-08	2.60E-08	3.40E-08	2.46E-09	6.24E-08
4897	565043.9	4222964	2.59E-07	3.16E-07	1.66E-08	5.91E-07	1.37E-07	3.46E-07	1.66E-08	5.00E-07	3.40E-08	6.17E-08	5.45E-09	1.01E-07	2.63E-08	3.44E-08	2.49E-09	6.31E-08
4898	565019.8	4222956	2.65E-07	3.24E-07	1.71E-08	6.06E-07	1.41E-07	3.55E-07	1.71E-08	5.13E-07	3.48E-08	6.33E-08	5.58E-09	1.04E-07	2.69E-08	3.52E-08	2.55E-09	6.47E-08
4899	565007.7	4222953	2.69E-07	3.28E-07	1.73E-08	6.14E-07	1.42E-07	3.60E-07	1.73E-08	5.19E-07	3.53E-08	6.41E-08	5.66E-09	1.05E-07	2.73E-08	3.57E-08	2.58E-09	6.56E-08
4900	564995.7	4222949	2.72E-07	3.32E-07	1.75E-08	6.22E-07	1.44E-07	3.64E-07	1.75E-08	5.26E-07	3.57E-08	6.49E-08	5.73E-09	1.06E-07	2.77E-08	3.61E-08	2.61E-09	6.64E-08
4901	564983.6	4222945	2.76E-07	3.37E-07	1.77E-08	6.30E-07	1.46E-07	3.69E-07	1.77E-08	5.33E-07	3.62E-08	6.58E-08	5.81E-09	1.08E-07	2.80E-08	3.66E-08	2.65E-09	6.73E-08
4902	564971.6	4222941	2.8E-07	3.41E-07	1.80E-08	6.39E-07	1.48E-07	3.74E-07	1.80E-08	5.41E-07	3.67E-08	6.67E-08	5.89E-09	1.09E-07	2.84E-08	3.71E-08	2.69E-09	6.82E-08
4903	564959.5	4222937	2.84E-07	3.46E-07	1.82E-08	6.48E-07	1.50E-07	3.80E-07	1.82E-08	5.48E-07	3.72E-08	6.76E-08	5.97E-09	1.11E-07	2.88E-08	3.77E-08	2.72E-09	6.92E-08
4904	564947.5	4222934	2.88E-07	3.51E-07	1.85E-08	6.57E-07	1.53E-07	3.85E-07	1.85E-08	5.56E-07	3.78E-08	6.86E-08	6.06E-09	1.12E-07	2.92E-08	3.82E-08	2.76E-09	7.02E-08
4905	564935.4	4222930	2.92E-07	3.56E-07	1.88E-08	6.67E-07	1.55E-07	3.91E-07	1.88E-08	5.64E-07	3.83E-08	6.96E-08	6.15E-09	1.14E-07	2.97E-08	3.88E-08	2.80E-09	7.12E-08
4906	564925.7	4222923	2.99E-07	3.65E-07	1.92E-08	6.83E-07	1.58E-07	4.00E-07	1.92E-08	5.78E-07	3.92E-08	7.13E-08	6.29E-09	1.17E-07	3.04E-08	3.97E-08	2.87E-09	7.29E-08
4907	564920.5	4222912	3.11E-07	3.8E-07	2.00E-08	7.11E-07	1.65E-07	4.16E-07	2.00E-08	6.01E-07	4.09E-08	7.42E-08	6.55E-09	1.22E-07	3.16E-08	4.13E-08	2.99E-09	7.59E-08
4908	564915.2	4222900	3.24E-07	3.96E-07	2.09E-08	7.41E-07	1.72E-07	4.34E-07	2.09E-08	6.27E-07	4.26E-08	7.74E-08	6.83E-09	1.27E-07	3.29E-08	4.31E-08	3.12E-09	7.91E-08
4909	564910	4222889	3.38E-07	4.13E-07	2.18E-08	7.73E-07	1.79E-07	4.53E-07	2.18E-08	6.54E-07	4.44E-08	8.07E-08	7.12E-09	1.32E-07	3.44E-08	4.49E-08	3.25E-09	8.26E-08
4910	564904.8	4222877	3.53E-07	4.31E-07	2.27E-08	8.07E-07	1.87E-07	4.73E-07	2.27E-08	6.83E-07	4.64E-08	8.43E-08	7.44E-09	1.38E-07	3.59E-08	4.69E-08	3.39E-09	8.62E-08
4911	564899.6	4222866	3.69E-07	4.51E-07	2.37E-08	8.43E-07	1.96E-07	4.94E-07	2.37E-08	7.13E-07	4.85E-08	8.80E-08	7.77E-09	1.44E-07	3.75E-08	4.90E-08	3.55E-09	9.01E-08
4912	564894.4	4222854	3.86E-07	4.71E-07	2.48E-08	8.82E-07	2.05E-07	5.17E-07	2.48E-08	7.46E-07	5.07E-08	9.20E-08	8.12E-09	1.51E-07	3.92E-08	5.12E-08	3.71E-09	9.42E-08
4913	564889.2	4222843	4.04E-07	4.93E-07	2.60E-08	9.22E-07	2.14E-07	5.40E-07	2.60E-08	7.80E-07	5.30E-08	9.63E-08	8.50E-09	1.58E-07	4.10E-08	5.36E-08	3.88E-09	9.85E-08
4914	564883.9	4222831	4.22E-07	5.16E-07	2.72E-08	9.66E-07	2.24E-07	5.66E-07	2.72E-08	8.17E-07	5.55E-08	1.01E-07	8.90E-09	1.65E-07	4.29E-08	5.61E-08	4.06E-09	1.03E-07
4915	564878.7	4222820	4.42E-07	5.4E-07	2.85E-08	1.01E-06	2.35E-07	5.92E-07	2.85E-08	8.55E-07	5.81E-08	1.06E-07	9.32E-09	1.73E-07	4.49E-08	5.88E-08	4.25E-09	1.08E-07
4916	564873.5	4222808	4.63E-07	5.66E-07	2.98E-08	1.06E-06	2.46E-07	6.20E-07	2.98E-08	8.96E-07	6.08E-08	1.11E-07	9.75E-09	1.81E-07	4.71E-08	6.15E-08	4.45E-09	1.13E-07
4917	564868.3	4222797	4.85E-07	5.92E-07	3.12E-08	1.11E-06	2.57E-07	6.49E-07	3.12E-08	9.38E-07	6.37E-08	1.16E-07	1.02E-08	1.90E-07	4.93E-08	6.44E-08	4.66E-09	1.18E-07
4918	564863.1	4222785	5.08E-07	6.2E-07	3.27E-08	1.16E-06	2.69E-07	6.80E-07	3.27E-08	9.82E-07	6.67E-08	1.21E-07	1.07E-08	1.99E-07	5.16E-08	6.75E-08	4.88E-09	1.24E-07
4919	564857.9	4222774	5.32E-07	6.49E-07	3.42E-08	1.22E-06	2.82E-07	7.12E-07	3.42E-08	1.03E-06	6.98E-08	1.27E-07	1.12E-08	2.08E-07	5.40E-08	7.06E-08	5.11E-09	1.30E-07
4920	564852.7	4222762	5.56E-07	6.79E-07	3.58E-08	1.27E-06	2.95E-07	7.45E-07	3.58E-08	1.08E-06	7.31E-08	1.33E-07	1.17E-08	2.18E-07	5.65E-08	7.39E-08	5.35E-09	1.36E-07
4921	564847.4	4222751	5.82E-07	7.11E-07	3.74E-08	1.33E-06	3.08E-07	7.79E-07	3.74E-08	1.12E-06	7.64E-08	1.39E-07	1.23E-08	2.27E-07	5.91E-08	7.73E-08	5.59E-09	1.42E-07
4922	564842.2	4222739	6.08E-07	7.43E-07	3.91E-08	1.39E-06	3.22E-07	8.14E-07	3.91E-08	1.18E-06	7.98E-08	1.45E-07	1.28E-08	2.38E-07	6.18E-08	8.08E-08	5.84E-09	1.48E-07
4923	564837	4222728	6.35E-07	7.75E-07	4.09E-08	1.45E-06	3.37E-07	8.50E-07	4.09E-08	1.23E-06	8.34E-08	1.51E-07	1.34E-08	2.48E-07	6.45E-08	8.43E-08	6.10E-09	1.55E-07
4924	564831.8	4222716	6.62E-07	8.09E-07	4.26E-08	1.51E-06	3.51E-07	8.87E-07	4.26E-08	1.28E-06	8.70E-08	1.58E-07	1.39E-08	2.59E-07	6.73E-08	8.80E-08	6.36E-09	1.62E-07
4925	564826.6	4222705	6.9E-07	8.43E-07	4.44E-08	1.58E-06	3.66E-07	9.24E-07	4.44E-08	1.33E-06	9.06E-08	1.65E-07	1.45E-08	2.70E-07	7.01E-08	9.17E-08	6.63E-09	1.68E-07
4926	564821.4	4222693	7.18E-07	8.77E-07	4.62E-08	1.64E-06	3.81E-07	9.62E-07	4.62E-08	1.39E-06	9.43E-08	1.71E-07	1.51E-08	2.81E-07	7.30E-08	9.54E-08	6.90E-09	1.75E-07
4927	564816.1	4222682	7.47E-07	9.12E-07	4.81E-08	1.71E-06	3.96E-07	1.00E-06	4.81E-08	1.44E-06	9.81E-08	1.78E-07	1.57E-08	2.92E-07	7.59E-08	9.92E-08	7.17E-09	1.82E-07
4928	565045.8	4222984	2.44E-07	2.98E-07	1.57E-08	5.58E-07	1.29E-07	3.27E-07	1.57E-08	4.72E-07	3.20E-08	5.82E-08	5.14E-09	9.54E-08	2.48E-08	3.24E-08	2.34E-09	5.96E-08
4929	565036	4223001	2.32E-07	2.84E-07	1.50E-08	5.31E-07	1.23E-07	3.11E-07	1.50E-08	4.49E-07	3.05E-08	5.54E-08	4.89E-09	9.08E-08	2.36E-08	3.09E-08	2.23E-09	5.67E-08
4930	564894.5	4222482	1.7E-06	2.07E-06	1.09E-07	3.88E-06	8.99E-07	2.27E-06	1.09E-07	3.28E-06	2.23E-07	4.04E-07	3.57E-08	6.63E-07	1.72E-07	2.25E-07	1.63E-08	4.14E-07
4931	564814.4	4222490	1.37E-06	1.68E-06	8.85E-08	3.14E-06	7.29E-07	1.84E-06	8.85E-08	2.66E-06	1.80E-07	3.28E-07	2.89E-08	5.37E-07	1.40E-07	1.83E-07	1.32E-08	3.35E-07
4932	564794.4	4222489	1.32E-06	1.61E-06	8.47E-08	3.01E-06	6.98E-07	1.76E-06	8.47E-08	2.54E-06	1.73E-07	3.14E-07	2.77E-08	5.14E-07	1.34E-07	1.75E-07	1.26E-08	3.21E-07
4933	565206.9	4222702	7.53E-07	9.2E-07	4.85E-08	1.72E-06	3.99E-07	1.01E-06	4.85E-08	1.46E-06	9.89E-08	1.80E-07	1.59E-08	2.94E-07	7.65E-08	1.00E-07	7.23E-09	1.84E-07
4934	565204.7	4222740	6.07E-07	7.41E-07	3.91E-08	1.39E-06	3.22E-07	8.13E-07	3.91E-08	1.17E-06	7.97E-08	1.45E-07	1.28E-08	2.37E-07	6.17E-08	8.06E-08	5.83E-09	1.48E-07
4935	565075.1	4222576	1.64E-06	2.01E-06	1.06E-07	3.75E-06	8.71E-07	2.20E-06	1.06E-07	3.17E-06	2.16E-07	3.92E-07	3.46E-08	6.42E-07	1.67E-07	2.18E-07	1.58E-08	4.01E-07
4936	565287.9	4222785	4.88E-07	5.96E-07	3.14E-08	1.11E-06	2.59E-07	6.53E-07	3.14E-08	9.43E-07	6.41E-08	1.16E-07	1.03E-08	1.91E-07	4.96E-08	6.48E-08	4.69E-09	1.19E-07
4937	565271.4	4222778	5.02E-07	6.13E-07	3.23E-08	1.15E-06	2.66E-07	6.72E-07	3.23E-08	9.70E-07	6.59E-08	1.20E-07	1.06E-08	1.96E-07	5.10E-08	6.67E-08	4.82E-09	1.22E-07
4938	565254.9	4222771	5.18E-07	6.32E-07	3.33E-08	1.18E-06	2.74E-07	6.93E-07	3.33E-08	1.00E-06	6.80E-08	1.24E-07	1.09E-08	2.02E-07	5.26E-08	6.88E-08	4.97E-09	1.26E-07
4939	565091.3	4222688	8.37E-07	1.02E-06	5.39E-08	1.91E-06	4.44E-07	1.12E-06	5.39E-08	1.62E-06	1.10E-07	2.00E-07	1.76E-08	3.27E-07	8.51E-08	1.11E-07	8.04E-09	2.04E-07
4940	565080.8	4222662	9.72E-07	1.19E-06	6.26E-08	2.22E-06	5.16E-07	1.30E-06	6.26E-08	1.88E-06	1.28E-07	2.32E-07	2.05E-08	3.80E-07	9.88E-08	1.29E-07	9.34E-09	2.37E-07
4941	565077.3	4222654	1.02E-06	1.25E-06	6.58E-08	2.34E-06	5.42E-07	1.37E-06	6.58E-08	1.98E-06	1.34E-07	2.44E-07	2.15E-08	4.00E-07	1.04E-07	1.36E-07	9.82E-09	2.50E-07
4942	565261.8	4222814	4.3E-07	5.26E-07	2.77E-08	9.84E-07	2.28E-07	5.76E-07	2.77E-08	8.32E-07	5.65E-08	1.03E-07	9.06E-09	1.68E-07	4.37E-08	5.72E-08	4.13E-09	1.05E-07
4943	565253.5	4222811	4.36E-07	5.33E-07	2.81E-08	9.97E-07	2.31E-07	5.84E-07	2.81E-08	8.44E-07	5.73E-08	1.04E-07	9.19E-09	1.71E-07	4.43E-08	5.80E-08	4.19E-09	1.07E-07
4944	565245.1	4222807	4.43E-07	5.41E-07	2.85E-08	1.01E-06	2.35E-07	5.93E-07	2.85E-08	8.56E-07	5.81E-08	1.06E-07	9.32E-09	1.73E-07	4.50E-08	5.88E-08	4.25E-09	1.08E-07
4945	565128.1	4222758	5.65E-07	6.9E-07	3.63E-08	1.29E-06	2.99E-07	7.56E-07	3.63E-08	1.09E-06	7.42E-08	1.35E-07	1.19E-08	2.21E-07	5.74E-08	7.50E-08	5.43E-09	1.38E-07
4946	565119.7	4222755	5.76E-07	7.03E-07	3.71E-08	1.32E-06	3.05E-07	7.71E-07	3.71E-08	1.11E-06	7.56E-08	1.37E-07	1.21E-08	2.25E-07	5.85E-08	7.65E-08	5.53E-09	1.41E-07
4947	565077.3	4222702	7.69E-07	9.39E-07	4.95E-08	1.76E-06	4.08E-07	1.03E-06	4.95E-08	1.49E-06	1.01E-07	1.84E-07	1.62E-08	3.01E-07	7.82E-08	1.02E-07	7.39E-09	1.88E-07

4948	565279	4222842	3.88E-07	4.73E-07	2.50E-08	8.86E-07	2.06E-07	5.19E-07	2.50E-08	7.50E-07	5.09E-08	9.25E-08	8.16E-09	1.52E-07	3.94E-08	5.15E-08	3.72E-09	9.46E-08
4949	565105.3	4222769	5.39E-07	6.58E-07	3.47E-08	1.23E-06	2.86E-07	7.22E-07	3.47E-08	1.04E-06	7.08E-08	1.29E-07	1.14E-08	2.11E-07	5.48E-08	7.16E-08	5.18E-09	1.32E-07
4950	565073.6	4222742	6.22E-07	7.59E-07	4.00E-08	1.42E-06	3.30E-07	8.32E-07	4.00E-08	1.20E-06	8.16E-08	1.48E-07	1.31E-08	2.43E-07	6.32E-08	8.26E-08	5.97E-09	1.52E-07
4951	565053.1	4222692	8.14E-07	9.94E-07	5.24E-08	1.86E-06	4.31E-07	1.09E-06	5.24E-08	1.57E-06	1.07E-07	1.94E-07	1.71E-08	3.18E-07	8.27E-08	1.08E-07	7.82E-09	1.99E-07
4952	564977.8	4222509	1.89E-06	2.31E-06	1.22E-07	4.32E-06	1.00E-06	2.53E-06	1.22E-07	3.65E-06	2.48E-07	4.51E-07	3.98E-08	7.38E-07	1.92E-07	2.51E-07	1.81E-08	4.61E-07
4953	565252.3	4222850	3.74E-07	4.57E-07	2.41E-08	8.55E-07	1.98E-07	5.01E-07	2.41E-08	7.23E-07	4.91E-08	8.92E-08	7.87E-09	1.46E-07	3.80E-08	4.97E-08	3.59E-09	9.12E-08
4954	565243.8	4222847	3.79E-07	4.63E-07	2.44E-08	8.66E-07	2.01E-07	5.07E-07	2.44E-08	7.32E-07	4.97E-08	9.04E-08	7.98E-09	1.48E-07	3.85E-08	5.03E-08	3.64E-09	9.24E-08
4955	565235.4	4222843	3.84E-07	4.69E-07	2.47E-08	8.77E-07	2.03E-07	5.14E-07	2.47E-08	7.42E-07	5.04E-08	9.16E-08	8.08E-09	1.50E-07	3.90E-08	5.10E-08	3.69E-09	9.37E-08
4956	565117	4222794	4.78E-07	5.84E-07	3.08E-08	1.09E-06	2.54E-07	6.40E-07	3.08E-08	9.25E-07	6.28E-08	1.14E-07	1.01E-08	1.87E-07	4.86E-08	6.35E-08	4.59E-09	1.17E-07
4957	565108.5	4222790	4.87E-07	5.95E-07	3.13E-08	1.11E-06	2.58E-07	6.52E-07	3.13E-08	9.41E-07	6.39E-08	1.16E-07	1.03E-08	1.90E-07	4.95E-08	6.47E-08	4.68E-09	1.19E-07
4958	565100.1	4222787	4.96E-07	6.06E-07	3.19E-08	1.13E-06	2.63E-07	6.64E-07	3.19E-08	9.59E-07	6.51E-08	1.18E-07	1.04E-08	1.94E-07	5.04E-08	6.59E-08	4.76E-09	1.21E-07
4959	565027.8	4222679	8.67E-07	1.06E-06	5.58E-08	1.98E-06	4.60E-07	1.16E-06	5.58E-08	1.68E-06	1.14E-07	2.07E-07	1.83E-08	3.39E-07	8.81E-08	1.15E-07	8.33E-09	2.12E-07
4960	565020.8	4222662	9.48E-07	1.16E-06	6.10E-08	2.17E-06	5.03E-07	1.27E-06	6.10E-08	1.83E-06	1.25E-07	2.26E-07	2.00E-08	3.71E-07	9.64E-08	1.26E-07	9.11E-09	2.31E-07
4961	564968.4	4222535	1.66E-06	2.03E-06	1.07E-07	3.80E-06	8.81E-07	2.22E-06	1.07E-07	3.21E-06	2.18E-07	3.96E-07	3.50E-08	6.50E-07	1.69E-07	2.21E-07	1.60E-08	4.06E-07
4962	565244.6	4222867	3.51E-07	4.29E-07	2.26E-08	8.03E-07	1.86E-07	4.71E-07	2.26E-08	6.79E-07	4.62E-08	8.38E-08	7.40E-09	1.37E-07	3.57E-08	4.67E-08	3.38E-09	8.58E-08
4963	565236.2	4222864	3.56E-07	4.35E-07	2.29E-08	8.13E-07	1.89E-07	4.76E-07	2.29E-08	6.88E-07	4.67E-08	8.49E-08	7.49E-09	1.39E-07	3.62E-08	4.73E-08	3.42E-09	8.68E-08
4964	565020.9	4222711	7.31E-07	8.92E-07	4.70E-08	1.67E-06	3.87E-07	9.78E-07	4.70E-08	1.41E-06	9.60E-08	1.74E-07	1.54E-08	2.86E-07	7.43E-08	9.71E-08	7.02E-09	1.78E-07
4965	565014	4222694	7.97E-07	9.73E-07	5.13E-08	1.82E-06	4.22E-07	1.07E-06	5.13E-08	1.54E-06	1.05E-07	1.90E-07	1.68E-08	3.12E-07	8.10E-08	1.06E-07	7.66E-09	1.94E-07
4966	565007.1	4222677	8.68E-07	1.06E-06	5.59E-08	1.98E-06	4.60E-07	1.16E-06	5.59E-08	1.68E-06	1.14E-07	2.07E-07	1.83E-08	3.40E-07	8.82E-08	1.15E-07	8.34E-09	2.12E-07
4967	564958.6	4222560	1.46E-06	1.79E-06	9.43E-08	3.35E-06	7.76E-07	1.96E-06	9.43E-08	2.83E-06	1.92E-07	3.49E-07	3.08E-08	5.73E-07	1.49E-07	1.95E-07	1.41E-08	3.57E-07
4968	564951.7	4222543	1.55E-06	1.9E-06	9.99E-08	3.55E-06	8.23E-07	2.08E-06	9.99E-08	3.00E-06	2.04E-07	3.70E-07	3.27E-08	6.07E-07	1.58E-07	2.06E-07	1.49E-08	3.79E-07
4969	565245.3	4222888	3.27E-07	4E-07	2.11E-08	7.48E-07	1.74E-07	4.38E-07	2.11E-08	6.33E-07	4.30E-08	7.81E-08	6.89E-09	1.28E-07	3.33E-08	4.35E-08	3.14E-09	7.99E-08
4970	565237	4222884	3.31E-07	4.04E-07	2.13E-08	7.57E-07	1.76E-07	4.43E-07	2.13E-08	6.40E-07	4.35E-08	7.90E-08	6.97E-09	1.29E-07	3.36E-08	4.40E-08	3.18E-09	8.08E-08
4971	565228.7	4222881	3.35E-07	4.09E-07	2.16E-08	7.66E-07	1.78E-07	4.49E-07	2.16E-08	6.48E-07	4.40E-08	7.99E-08	7.06E-09	1.31E-07	3.41E-08	4.45E-08	3.22E-09	8.18E-08
4972	565095.9	4222825	4.19E-07	5.12E-07	2.70E-08	9.59E-07	2.22E-07	5.62E-07	2.70E-08	8.11E-07	5.51E-08	1.00E-07	8.83E-09	1.64E-07	4.26E-08	5.57E-08	4.03E-09	1.02E-07
4973	564996.7	4222701	7.66E-07	9.36E-07	4.93E-08	1.75E-06	4.06E-07	1.03E-06	4.93E-08	1.48E-06	1.01E-07	1.83E-07	1.61E-08	3.00E-07	7.79E-08	1.02E-07	7.36E-09	1.87E-07
4974	564938.4	4222559	1.41E-06	1.73E-06	9.11E-08	3.23E-06	7.50E-07	1.89E-06	9.11E-08	2.74E-06	1.86E-07	3.38E-07	2.98E-08	5.53E-07	1.44E-07	1.88E-07	1.36E-08	3.45E-07
4975	564931.5	4222543	1.49E-06	1.82E-06	9.61E-08	3.41E-06	7.91E-07	2.00E-06	9.61E-08	2.89E-06	1.96E-07	3.56E-07	3.14E-08	5.84E-07	1.52E-07	1.98E-07	1.43E-08	3.64E-07
4976	565235	4222903	3.1E-07	3.79E-07	2.00E-08	7.09E-07	1.65E-07	4.15E-07	2.00E-08	6.00E-07	4.07E-08	7.40E-08	6.53E-09	1.21E-07	3.15E-08	4.12E-08	2.98E-09	7.57E-08
4977	565226.5	4222900	3.14E-07	3.83E-07	2.02E-08	7.17E-07	1.66E-07	4.20E-07	2.02E-08	6.07E-07	4.12E-08	7.49E-08	6.61E-09	1.23E-07	3.19E-08	4.17E-08	3.02E-09	7.66E-08
4978	565218.1	4222896	3.18E-07	3.88E-07	2.04E-08	7.26E-07	1.68E-07	4.25E-07	2.04E-08	6.14E-07	4.17E-08	7.58E-08	6.69E-09	1.24E-07	3.23E-08	4.22E-08	3.05E-09	7.75E-08
4979	565099.7	4222847	3.84E-07	4.69E-07	2.47E-08	8.78E-07	2.04E-07	5.14E-07	2.47E-08	7.43E-07	5.04E-08	9.16E-08	8.09E-09	1.50E-07	3.90E-08	5.10E-08	3.69E-09	9.38E-08
4980	564988.7	4222730	6.61E-07	8.07E-07	4.25E-08	1.51E-06	3.50E-07	8.85E-07	4.25E-08	1.28E-06	8.68E-08	1.58E-07	1.39E-08	2.58E-07	6.72E-08	8.78E-08	6.35E-09	1.61E-07
4981	564978.2	4222704	7.48E-07	9.13E-07	4.81E-08	1.71E-06	3.96E-07	1.00E-06	4.81E-08	1.45E-06	9.82E-08	1.78E-07	1.57E-08	2.92E-07	7.60E-08	9.93E-08	7.18E-09	1.83E-07
4982	564974.7	4222696	7.79E-07	9.51E-07	5.01E-08	1.78E-06	4.13E-07	1.04E-06	5.01E-08	1.51E-06	1.02E-07	1.86E-07	1.64E-08	3.05E-07	7.92E-08	1.03E-07	7.48E-09	1.90E-07
4983	564918.8	4222560	1.36E-06	1.66E-06	8.75E-08	3.11E-06	7.21E-07	1.82E-06	8.75E-08	2.63E-06	1.79E-07	3.24E-07	2.86E-08	5.32E-07	1.38E-07	1.81E-07	1.31E-08	3.32E-07
4984	565235.7	4222924	2.9E-07	3.55E-07	1.87E-08	6.64E-07	1.54E-07	3.89E-07	1.87E-08	5.62E-07	3.81E-08	6.93E-08	6.12E-09	1.14E-07	2.95E-08	3.86E-08	2.79E-09	7.09E-08
4985	565227.4	4222920	2.94E-07	3.59E-07	1.89E-08	6.71E-07	1.56E-07	3.93E-07	1.89E-08	5.68E-07	3.86E-08	7.01E-08	6.18E-09	1.15E-07	2.98E-08	3.90E-08	2.82E-09	7.17E-08
4986	565219	4222917	2.97E-07	3.63E-07	1.91E-08	6.79E-07	1.57E-07	3.98E-07	1.91E-08	5.74E-07	3.90E-08	7.08E-08	6.25E-09	1.16E-07	3.02E-08	3.94E-08	2.85E-09	7.25E-08
4987	565084.9	4222860	3.65E-07	4.46E-07	2.35E-08	8.35E-07	1.94E-07	4.89E-07	2.35E-08	7.06E-07	4.80E-08	8.71E-08	7.69E-09	1.43E-07	3.71E-08	4.85E-08	3.51E-09	8.91E-08
4988	564964.4	4222719	6.92E-07	8.45E-07	4.46E-08	1.58E-06	3.67E-07	9.27E-07	4.46E-08	1.34E-06	9.09E-08	1.65E-07	1.46E-08	2.71E-07	7.03E-08	9.20E-08	6.65E-09	1.69E-07
4989	564961	4222711	7.2E-07	8.79E-07	4.63E-08	1.65E-06	3.82E-07	9.64E-07	4.63E-08	1.39E-06	9.46E-08	1.72E-07	1.52E-08	2.82E-07	7.32E-08	9.56E-08	6.92E-09	1.76E-07
4990	564905.6	4222577	1.25E-06	1.52E-06	8.03E-08	2.85E-06	6.61E-07	1.67E-06	8.03E-08	2.41E-06	1.64E-07	2.97E-07	2.63E-08	4.87E-07	1.27E-07	1.66E-07	1.20E-08	3.04E-07
4991	564991.9	4222834	4.12E-07	5.03E-07	2.65E-08	9.41E-07	2.18E-07	5.51E-07	2.65E-08	7.96E-07	5.41E-08	9.82E-08	8.67E-09	1.61E-07	4.18E-08	5.47E-08	3.95E-09	1.00E-07
4992	564947.2	4222726	6.68E-07	8.16E-07	4.30E-08	1.53E-06	3.54E-07	8.94E-07	4.30E-08	1.29E-06	8.77E-08	1.59E-07	1.41E-08	2.61E-07	6.79E-08	8.87E-08	6.42E-09	1.63E-07
4993	564943.7	4222718	6.94E-07	8.47E-07	4.46E-08	1.59E-06	3.68E-07	9.29E-07	4.46E-08	1.34E-06	9.11E-08	1.66E-07	1.46E-08	2.71E-07	7.05E-08	9.22E-08	6.66E-09	1.69E-07
4994	564885.3	4222576	1.21E-06	1.48E-06	7.78E-08	2.76E-06	6.41E-07	1.62E-06	7.78E-08	2.34E-06	1.59E-07	2.88E-07	2.54E-08	4.72E-07	1.23E-07	1.60E-07	1.16E-08	2.95E-07
4995	564977.6	4222848	3.9E-07	4.76E-07	2.51E-08	8.92E-07	2.07E-07	5.22E-07	2.51E-08	7.54E-07	5.12E-08	9.31E-08	8.21E-09	1.52E-07	3.96E-08	5.18E-08	3.75E-09	9.52E-08
4996	564932.2	4222738	6.29E-07	7.68E-07	4.05E-08	1.44E-06	3.34E-07	8.42E-07	4.05E-08	1.22E-06	8.26E-08	1.50E-07	1.33E-08	2.46E-07	6.39E-08	8.36E-08	6.04E-09	1.54E-07
4997	564925.2	4222721	6.78E-07	8.28E-07	4.36E-08	1.55E-06	3.60E-07	9.08E-07	4.36E-08	1.31E-06	8.91E-08	1.62E-07	1.43E-08	2.65E-07	6.89E-08	9.01E-08	6.52E-09	1.66E-07
4998	564872.8	4222594	1.11E-06	1.35E-06	7.12E-08	2.53E-06	5.87E-07	1.48E-06	7.12E-08	2.14E-06	1.45E-07	2.64E-07	2.33E-08	4.33E-07	1.12E-07	1.47E-07	1.06E-08	2.70E-07
4999	565201.7	4222970	2.52E-07	3.08E-07	1.62E-08	5.77E-07	1.34E-07	3.38E-07	1.62E-08	4.88E-07	3.31E-08	6.02E-08	5.31E-09	9.87E-08	2.56E-08	3.35E-08	2.42E-09	6.16E-08
5000	565193.3	4222966	2.55E-07	3.11E-07	1.64E-08	5.83E-07	1.35E-07	3.41E-07	1.64E-08	4.93E-07	3.35E-08	6.08E-08	5.37E-09	9.97E-08	2.59E-08	3.39E-08	2.45E-09	6.22E-08
5001	565176.6	4222959	2.61E-07	3.18E-07	1.68E-08	5.95E-07	1.38E-07	3.49E-07	1.68E-08	5.04E-07	3.42E-08	6.22E-08	5.49E-09	1.02E-07	2.65E-08	3.46E-08	2.50E-09	6.36E-08
5002	565168.2	4222956	2.63E-07	3.22E-07	1.70E-08	6.02E-07	1.40E-07	3.53E-07	1.70E-08	5.09E-07	3.46E-08	6.28E-08	5.55E-09	1.03E-07	2.68E-08	3.50E-08	2.53E-09	6.43E-08
5003	565159.8	4222952	2.66E-07	3.25E-07	1.71E-08	6.09E-07	1.41E-07	3.57E-07	1.71E-08	5.15E-07	3.50E-08	6.35E-08	5.61E-09	1.04E-07	2.71E-08	3.54E-08	2.56E-09	6.50E-08
5004	564914.9	4222745	6.08E-07	7.43E-07	3.92E-08	1.39E-06	3.23E-07	8.15E-07	3.92E-08	1.18E-06	7.99E-08	1.45E-07	1.28E-08	2.38E-07	6.18E-08	8.08E-08	5.85E-09	1.49E-07
5005	564911.4	4222736	6.31E-07	7.71E-07	4.06E-08	1.44E-06	3.35E-07	8.45E-07	4.06E-08	1.22E-06	8.29E-08	1.51E-07	1.33E-08	2.47E-07	6.41E-08	8.38E-08	6.06E-09	1.54E-07
5006	564856	4222602	1.05E-06	1.28E-06	6.75E-08	2.40E-06	5.56E-07	1.40E-06	6.75E-08	2.03E-06	1.38E-07	2.50E-07	2.21E-08	4.10E-07	1.07E-07	1.39E-07	1.01E-08	2.56E-07
5007	564849	4222585	1.1E-06	1.35E-06	7.09E-08	2.52E-06	5.84E-07	1.48E-06	7.09E-08	2.13E-06	1.45E-07	2.63E-07	2.32E-08	4.31E-07	1.12E-07	1.46E-07	1.06E-08	2.69E-07
5008	565157	4222971	2.52E-07	3.08E-07	1.62E-08	5.76E-07	1.34E-07	3.37E-07	1.62E-08	4.87E-07	3.31E-08	6.01E-08	5.30E-09	9.84E-08	2.56E-08	3.35E-08	2.42E-09	6.15E-08
5009	565148.5	4222967	2.55E-07	3.11E-07	1.64E-08	5.82E-07	1.35E-07	3.41E-07	1.64E-08	4.92E-07	3.34E-08	6.07E-08	5.36E-09	9.95E-08	2.59E-08	3.38E-08	2.45E-09	6.21E-08
5010	564986.8	4222899	3.21E-07	3.93E-07	2.07E-08	7.35E-07	1.70E-07	4.30E-07	2.07E-08	6.21E-07	4.22E-08	7.67E-08	6.77E-09	1.26E-07	3.27E-08	4.27E-08	3.09E-09	7.85E-08
5011	564978.3	4222896	3.26E-07	3.98E-07	2.10E-08	7.45E-07	1.73E-07	4.36E-07	2.10E-08	6.30E-07	4.28E-08	7.78E-08	6.87E-09	1.27E-07	3.31E-08	4.33E-08	3.13E-09	7.96E-08
5012	564961.2	4222889	3.36E-07	4.1E-07	2.16E-08	7.67E-07	1.78E-07	4.49E-07	2.16E-08	6.49E-07	4.41E-08	8.01E-08	7.07E-09	1.31E-07	3.41E-08	4.46E-08	3.22E-09	8.19E-08
5013	564899.9	4222757	5.75E-07	7.02E-07	3.70E-08	1.31E-06	3.05E-07	7.70E-07	3.70E-08	1.11E-06	7.55E-08	1.37E-07	1.21E-08	2.25E-07	5.84E-08	7.64E-08	5.52E-09	1.40E-07
5014	564896.4	4222749	5.96E-07	7.28E-07	3.84E-08	1.36E-06	3.16E-07	7.98E-07	3.84E-08	1.15E-06	7.83E-08	1.42E-07	1.26E-08	2.33E-07	6.06E-08	7.92E-08	5.73E-09	1.45E-07
5015	564892.9	4222740	6.18E-07	7.55E-07	3.98E-08	1.41E-06	3.28E-07	8.27E-07	3.98E-08	1.19E-06	8.11E-08	1.47E-07	1.30E-08	2.42E-07	6.28E-08	8.21E-08	5.94E-09	1.51E-07
5016	564840.1	4222612	9.89E-07	1.21E-06	6.37E-08	2.26E-06	5.24E-07	1.32E-06	6.37E-08	1.91E-06	1.30E-07	2.36E-07	2.08E-08	3.87E-07	1.01E-07	1.31E-07	9.50E-09	2.41E-07
5017	564836.6	4222603	1.01E-06	1.24E-06	6.53E-08	2.32E-06	5.38E-07	1.36E-06	6.53E-08	1.96E-06	1.33E-07	2.42E-07	2.14E-08	3.97E-07	1.03E-07	1.35E-07	9.75E-09	2.48E-07
5018	565335.8	4223046	2.13E-07	2.6E-07	1.37E-08	4.87E-07	1.13E-07	2.85E-07	1.37E-08	4.12E-07	2.80E-08	5.08E-08	4.49E-09	8.33E-08	2.17E-08	2.83E-08	2.05E-09	5.20E-08
5019	565327.2	4223062	2.04E-07	2.49E-07	1.31E-08	4.65E-07	1.08E-07	2.73E-07	1.31E-08	3.94E-07	2.67E-08	4.86E-08	4.29E-09	7.96E-08	2.07E-08	2.70E-08	1.96E-09	4.97E-08
5020	565158.2	4222991	2.37E-07	2.9E-07	1.53E-08	5.42E-07	1.26E-07	3.18E-07	1.53E-08	4.59E-07	3.12E-08	5.66E-08	5.00E-09	9.28E-08	2.41E-08	3.15E-08	2.28E-09	5.79E-08
5021	565149.8	4222988	2.4E-07	2.93E-07	1.54E-08	5.48E-07	1.27E-07	3.21E-07	1.54E-08	4.64E-07	3.15E-08	5.72E-08	5.05E-09	9.38E-08	2.44E-08	3.19E-08	2.30E-09	5.85E-08
5022	565141.3	4222984	2.42E-07	2.96E-07	1.56E-08	5.54E-07	1.29E-07	3.25E-07	1.56E-08	4.69E-07	3.18E-08	5.78E-08	5.10E-09	9.48E-08	2.46E-08	3.22E-08	2.33E-09	5.92E-08
5023	564963.9	4222910	3.11E-07	3.8E-07	2.00E-08	7.11E-07	1.65E-07	4.16E-07	2.00E-08	6.01E-07	4.08E-08	7.42E-08	6.55E-09	1.22E-07	3.16E-08	4.13E-08	2.99E-09	7.59E-08
5024	564955.4	4222906	3.15E-07	3.85E-07	2.03E-08	7.21E-07	1.67E-07	4.22E-07	2.03E-08	6.10E-07	4.14E-08	7.52E-08	6.64E-09	1.23E-07	3.20E-08	4.19E-08	3.03E-09	7.70E-08
5025	564947	4222903	3.2E-07	3.91E-07	2.06E-08	7.31E-07	1.70E-07	4.28E-07	2.06E-08	6.18E-07	4.20E-08	7.63E-08	6.73E-09	1.25E-07	3.25E-08	4.25E-08	3.07E-09	7.80E-08
5026	564882.7	4222764	5.57E-07	6.8E-07	3.59E-08	1.27E-06	2.95E-07	7.46E-07	3.59E-08	1.08E-06	7.32E-08	1.33E-07	1.17E-08	2.18E-07	5.66E-08	7.40E-08	5.35E-09	1.36E-07
5027	564879.2	4222755	5.77E-07	7.05E-07	3.71E-08	1.32E-06	3.06E-07	7.72E-07	3.71E-08	1.12E-06	7.58E-08	1.38E-07	1.21E-08	2.26E-07	5.86E-08	7.66E-08	5.54E-09	1.41E-07
5028	564823.3	4222620	9.41E-07	1.15E-06	6.06E-08	2.15E-06	4.99E-07	1.26E-06	6.06E-08	1.82E-06	1.24E-07	2.25E-07	1.98E-08	3.68E-07	9.56E-08	1.25E-07	9.04E-09	2.30E-07
5029	564816.3	4222603	9.87E-07	1.21E-06	6.35E-08	2.26E-06	5.23E-07	1.32E-06	6.35E-08	1.91E-06	1.30E-07	2.36E-07	2.08E-08	3.86E-07	1.00E-07	1.31E-07	9.49E-09	2.41E-07
5030	565335.6	4223066	2.03E-07	2.48E-07	1.31E-08	4.63E-07	1.08E-07	2.71E-07	1.31E-08	3.92E-07	2.66E-08	4.84E-08	4.27E-09	7.93E-08	2.06E-08	2.69E-08	1.95E-09	4.95E-08
5031	565327.1	4223082	1.94E-07	2.37E-07	1.25E-08	4.43E-07	1.03E-07	2.60E-07	1.25E-08	3.75E-07	2.55E-08	4.63E-08	4.09E-09	7.58E-08	1.97E-08	2.58E-08	1.86E-09	4.73E-08
5032	565318.7	4223079	1.95E-07	2.38E-07	1.25E-08	4.45E-07	1.03E-07	2.61E-07	1.25E-08	3.76E-07	2.56E-08	4.65E-08	4.10E-09	7.61E-08	1.98E-08	2.59E-08	1.87E-09	4.75E-08
5033	565310.3	4223075	1.96E-07	2.39E-07	1.26E-08	4.47E-07	1.04E-07	2.62E-07	1.26E-08	3.78E-07	2.57E-08	4.67E-08	4.12E-09	7.65E-08	1.99E-08	2.60E-08	1.88E-09	4.77E-08
5034	565285.2	4223065	1.98E-07	2.42E-07	1.28E-08	4.54E-07	1.05E-07	2.66E-07	1.28E-08	3.84E-07	2.61E-08	4.74E-08	4.18E-09	7.76E-08	2.02E-08	2.64E-08	1.91E-09	4.84E-08
5035	565276.8	4223061	2E-07	2.44E-07	1.28E-08	4.56E-07	1.06E-07	2.67E-07	1.28E-08	3.86E-07	2.62E-08	4.76E-08	4.20E-09	7.80E-08	2.03E-08	2.65E-08	1.92E-09	4.87E-08
5036	565268.4	4223058	2.01E-07	2.45E-07	1.29E-08	4.59E-07	1.06E-07	2.69E-07	1.29E-08	3.88E-07	2.64E-08	4.79E-08	4.23E-09	7.85E-08	2.04E-08	2.67E-08	1.93E-09	4.90E-08
5037	565260	4223054	2.02E-07	2.47E-07	1.30E-08	4.62E-07	1.07E-07	2.71E-07	1.30E-08	3.91E-07	2.66E-08	4.82E-08	4.26E-09	7.90E-08	2.05E-08	2.69E-08	1.94E-09	4.93E-08
5038	565251.6	4223051	2.04E-07	2.49E-07	1.31E-08	4.65E-07	1.08E-07	2.73E-07	1.31E-08	3.94E-07	2.67E-08	4.86E-08	4.29E-09	7.96E-08	2.07E-08	2.70E-08	1.96E-09	4.97E-08
5039	565243.2	4223047	2.05E-07	2.5E-07	1.32E-08	4.69E-07	1.09E-07	2.75E-07	1.32E-08	3.97E-07	2.69E-08	4.89E-08	4.32E-09	8.02E-08	2.08E-08	2.72E-08	1.97E-09	5.01E-08
5040	565234.8	4223044	2.07E-07	2.52E-07	1.33E-08	4.72E-07	1.10E-07	2.77E-07	1.33E-08	4.00E-07	2.71E-08	4.93E-08	4.35E-09	8.08E-08	2.10E-08	2.75E-08	1.99E-09	5.04E-08
5041	565226.4	4223040	2.08E-07	2.54E-07	1.34E-08	4.76E-07	1.10E-07	2.79E-07	1.34E-08	4.03E-07	2.74E-08	4.97E-08	4.39E-09	8.14E-08	2.12E-08	2.77E-08	2.00E-09	5.08E-08
5042	565218	4223037	2.1E-07	2.57E-07	1.35E-08	4.80E-07	1.11E-07	2.81E-07	1.35E-08	4.06E-07	2.76E-08	5.01E-08	4.42E-09	8.21E-08	2.13E-08	2.79E-08	2.02E-09	5.13E-08
5043	565209.6	4223033	2.12E-07	2.59E-07	1.36E-08	4.84E-07	1.12E-07	2.84E-07	1.36E-08	4.10E-07	2.78E-08	5.05E-08	4.46E-09	8.28E-08	2.15E-08	2.81E-08	2.04E-09	5.17E-08
5044	564966.3	4222931	2.89E-07	3.53E-07	1.86E-08	6.61E-07	1.53E-07	3.87E-07	1.86E-08	5.59E-07	3.80E-08	6.90E-08	6.09E-09	1.13E-07	2.94E-08	3.84E-08	2.78E-09	7.06E-08
5045	564957.9	4222927	2.93E-07	3.58E-07	1.89E-08	6.70E-07	1.55E-07	3.93E-07	1.89E-08	5.67E-07	3.85E-08	6.99E-08	6.17E-09	1.15E-07	2.98E-08	3.89E-08	2.82E-09	7.16E-08
5046	564949.5	4222924	2.97E-07	3.63E-07	1.91E-08	6.79E-07	1.57E-07	3.98E-07	1.91E-08	5.74E-07	3.90E-08	7.09E-08	6.26E-09	1.16E-07	3.02E-08	3.95E-08	2.85E-09	7.25E-08
5047	564932.7	4222917	3.05E-07	3.73E-07	1.96E-08	6.97E-07	1.62E-07	4.09E-07	1.96E-08	5.90E-07	4.01E-08	7.28E-08	6.43E-09	1.19E-07	3.10E-08	4.05E-08	2.93E-09	7.45E-08
5048	564872.3	4222787	5.05E-07	6.16E-07	3.25E-08	1.15E-06	2.68E-07	6.76E-07	3.25E-08	9.76E-07	6.63E-08	1.20E-07	1.06E-08	1.97E-07	5.13E-08	6.70E-08	4.85E-09	1.23E-07
5049	564861.9	4222762	5.59E-07	6.82E-07	3.60E-08	1.28E-06	2.96E-07	7.48E-07	3.60E-08	1.08E-06	7.34E-08	1.33E-07	1.18E-08	2.18E-07	5.68E-08	7.42E-08	5.37E-09	1.36E-07
5050	564855	4222745	5.97E-07	7.29E-07	3.84E-08	1.36E-06	3.17E-07	7.99E-07	3.84E-08	1.15E-06	7.84E-08	1.42E-07	1.26E-08	2.33E-07	6.07E-08	7.93E-08	5.74E-09	1.46E-07
5051	565335.5	4223086	1.93E-07	2.36E-07	1.24E-08	4.42E-07	1.02E-07	2.59E-07	1.24E-08	3.74E-07	2.54E-08	4.61E-08	4.07E-09	7.56E-08	1.96E-08	2.57E-08	1.86E-09	4.72E-08
5052	565326.9	4223102	1.85E-07	2.26E-07	1.19E-08	4.23E-07	9.81E-08	2.48E-07	1.19E-08	3.58E-07	2.43E-08	4.42E-08	3.90E-09	7.24E-08	1.88E-08	2.46E-08	1.78E-09	4.52E-08
5053	565318.4	4223099	1.86E-07	2.27E-07	1.20E-08	4.25E-07	9.85E-08	2.49E-07	1.20E-08	3.59E-07	2.44E-08	4.43E-08	3.91E-09	7.26E-08	1.89E-08	2.47E-08	1.79E-09	4.53E-08
5054	565309.9	4223095	1.87E-07	2.28E-07	1.20E-08	4.26E-07	9.89E-08	2.50E-07	1.20E-08	3.61E-07	2.45E-08	4.45E-08	3.93E-09	7.29E-08	1.90E-08	2.48E-08	1.79E-09	4.55E-08
5055	565292.8	4223088	1.88E-07	2.3E-07	1.21E-08	4.30E-07	9.98E-08	2.52E-07	1.21E-08	3.64E-07	2.47E-08	4.49E-08	3.96E-09	7.36E-08	1.91E-08	2.50E-08	1.81E-09	4.59E-08
5056	565284.3	4223085	1.89E-07	2.31E-07	1.22E-08	4.33E-07	1.00E-07	2.53E-07	1.22E-08	3.66E-07	2.49E-08	4.51E-08	3.99E-09	7.40E-08	1.92E-08	2.51E-08	1.82E-09	4.62E-08
5057	565190.8	4223045	2.05E-07	2.51E-07	1.32E-08	4.69E-07	1.09E-07	2.75E-07	1.32E-08	3.97E-07	2.69E-08	4.90E-08	4.32E-09	8.02E-08	2.09E-08	2.73E-08	1.97E-09	5.01E-08

5058	565182.3	4223042	2.07E-07	2.53E-07	1.33E-08	4.73E-07	1.10E-07	2.77E-07	1.33E-08	4.00E-07	2.72E-08	4.94E-08	4.36E-09	8.10E-08	2.10E-08	2.75E-08	1.99E-09	5.05E-08
5059	565173.8	4223038	2.09E-07	2.55E-07	1.35E-08	4.78E-07	1.11E-07	2.80E-07	1.35E-08	4.04E-07	2.74E-08	4.99E-08	4.40E-09	8.17E-08	2.12E-08	2.78E-08	2.01E-09	5.10E-08
5060	565165.3	4223035	2.11E-07	2.58E-07	1.36E-08	4.82E-07	1.12E-07	2.83E-07	1.36E-08	4.08E-07	2.77E-08	5.03E-08	4.44E-09	8.25E-08	2.14E-08	2.80E-08	2.03E-09	5.15E-08
5061	565156.8	4223031	2.13E-07	2.6E-07	1.37E-08	4.87E-07	1.13E-07	2.85E-07	1.37E-08	4.12E-07	2.80E-08	5.08E-08	4.49E-09	8.33E-08	2.17E-08	2.83E-08	2.05E-09	5.20E-08
5062	565148.3	4223027	2.15E-07	2.63E-07	1.39E-08	4.92E-07	1.14E-07	2.88E-07	1.39E-08	4.16E-07	2.83E-08	5.13E-08	4.53E-09	8.41E-08	2.19E-08	2.86E-08	2.07E-09	5.25E-08
5063	565139.8	4223024	2.17E-07	2.65E-07	1.40E-08	4.97E-07	1.15E-07	2.91E-07	1.40E-08	4.20E-07	2.85E-08	5.19E-08	4.58E-09	8.50E-08	2.21E-08	2.89E-08	2.09E-09	5.30E-08
5064	565131.3	4223020	2.2E-07	2.68E-07	1.41E-08	5.02E-07	1.16E-07	2.94E-07	1.41E-08	4.24E-07	2.88E-08	5.24E-08	4.62E-09	8.58E-08	2.23E-08	2.92E-08	2.11E-09	5.36E-08
5065	565122.8	4223017	2.22E-07	2.71E-07	1.43E-08	5.07E-07	1.18E-07	2.97E-07	1.43E-08	4.29E-07	2.91E-08	5.29E-08	4.67E-09	8.67E-08	2.25E-08	2.95E-08	2.13E-09	5.41E-08
5066	565114.3	4223013	2.24E-07	2.74E-07	1.44E-08	5.12E-07	1.19E-07	3.00E-07	1.44E-08	4.33E-07	2.94E-08	5.35E-08	4.72E-09	8.76E-08	2.28E-08	2.98E-08	2.15E-09	5.47E-08
5067	565097.2	4223006	2.29E-07	2.79E-07	1.47E-08	5.23E-07	1.21E-07	3.06E-07	1.47E-08	4.42E-07	3.00E-08	5.46E-08	4.82E-09	8.94E-08	2.32E-08	3.04E-08	2.20E-09	5.58E-08
5068	565088.7	4223002	2.31E-07	2.82E-07	1.49E-08	5.28E-07	1.23E-07	3.09E-07	1.49E-08	4.47E-07	3.03E-08	5.51E-08	4.87E-09	9.03E-08	2.35E-08	3.07E-08	2.22E-09	5.64E-08
5069	565080.2	4222999	2.33E-07	2.85E-07	1.50E-08	5.34E-07	1.24E-07	3.13E-07	1.50E-08	4.51E-07	3.07E-08	5.57E-08	4.92E-09	9.13E-08	2.37E-08	3.10E-08	2.24E-09	5.70E-08
5070	565071.7	4222995	2.36E-07	2.88E-07	1.52E-08	5.39E-07	1.25E-07	3.16E-07	1.52E-08	4.56E-07	3.10E-08	5.63E-08	4.97E-09	9.22E-08	2.40E-08	3.13E-08	2.27E-09	5.76E-08
5071	565063.2	4222992	2.38E-07	2.91E-07	1.53E-08	5.45E-07	1.26E-07	3.19E-07	1.53E-08	4.61E-07	3.13E-08	5.69E-08	5.02E-09	9.32E-08	2.42E-08	3.17E-08	2.29E-09	5.82E-08
5072	565054.7	4222988	2.41E-07	2.94E-07	1.55E-08	5.51E-07	1.28E-07	3.23E-07	1.55E-08	4.66E-07	3.16E-08	5.75E-08	5.07E-09	9.42E-08	2.45E-08	3.20E-08	2.31E-09	5.88E-08
5073	565020.7	4222974	2.52E-07	3.07E-07	1.62E-08	5.75E-07	1.33E-07	3.37E-07	1.62E-08	4.86E-07	3.30E-08	6.00E-08	5.30E-09	9.84E-08	2.56E-08	3.34E-08	2.42E-09	6.14E-08
5074	565012.2	4222970	2.54E-07	3.11E-07	1.64E-08	5.81E-07	1.35E-07	3.41E-07	1.64E-08	4.92E-07	3.34E-08	6.07E-08	5.36E-09	9.95E-08	2.59E-08	3.38E-08	2.44E-09	6.21E-08
5075	565003.7	4222967	2.57E-07	3.14E-07	1.66E-08	5.88E-07	1.36E-07	3.44E-07	1.66E-08	4.97E-07	3.38E-08	6.14E-08	5.42E-09	1.01E-07	2.61E-08	3.42E-08	2.47E-09	6.28E-08
5076	564995.2	4222963	2.6E-07	3.18E-07	1.68E-08	5.95E-07	1.38E-07	3.48E-07	1.68E-08	5.03E-07	3.42E-08	6.21E-08	5.48E-09	1.02E-07	2.65E-08	3.46E-08	2.50E-09	6.35E-08
5077	564986.7	4222960	2.63E-07	3.22E-07	1.70E-08	6.02E-07	1.40E-07	3.53E-07	1.70E-08	5.09E-07	3.46E-08	6.28E-08	5.55E-09	1.03E-07	2.68E-08	3.50E-08	2.53E-09	6.43E-08
5078	564978.2	4222956	2.67E-07	3.26E-07	1.72E-08	6.09E-07	1.41E-07	3.57E-07	1.72E-08	5.15E-07	3.50E-08	6.36E-08	5.61E-09	1.04E-07	2.71E-08	3.54E-08	2.56E-09	6.51E-08
5079	564969.7	4222952	2.7E-07	3.3E-07	1.74E-08	6.17E-07	1.43E-07	3.61E-07	1.74E-08	5.22E-07	3.54E-08	6.44E-08	5.68E-09	1.05E-07	2.74E-08	3.58E-08	2.59E-09	6.58E-08
5080	564961.2	4222949	2.73E-07	3.34E-07	1.76E-08	6.24E-07	1.45E-07	3.66E-07	1.76E-08	5.28E-07	3.59E-08	6.52E-08	5.75E-09	1.07E-07	2.78E-08	3.63E-08	2.62E-09	6.67E-08
5081	564952.7	4222945	2.77E-07	3.38E-07	1.78E-08	6.32E-07	1.47E-07	3.70E-07	1.78E-08	5.35E-07	3.63E-08	6.60E-08	5.83E-09	1.08E-07	2.81E-08	3.67E-08	2.66E-09	6.75E-08
5082	564927.2	4222934	2.88E-07	3.51E-07	1.85E-08	6.57E-07	1.52E-07	3.85E-07	1.85E-08	5.56E-07	3.78E-08	6.86E-08	6.06E-09	1.12E-07	2.92E-08	3.82E-08	2.76E-09	7.02E-08
5083	564918.7	4222931	2.91E-07	3.56E-07	1.88E-08	6.66E-07	1.55E-07	3.90E-07	1.88E-08	5.63E-07	3.83E-08	6.95E-08	6.14E-09	1.14E-07	2.96E-08	3.87E-08	2.80E-09	7.11E-08
5084	564906.6	4222919	3.04E-07	3.72E-07	1.96E-08	6.95E-07	1.61E-07	4.07E-07	1.96E-08	5.88E-07	4.00E-08	7.26E-08	6.41E-09	1.19E-07	3.09E-08	4.04E-08	2.92E-09	7.43E-08
5085	564903.1	4222910	3.14E-07	3.83E-07	2.02E-08	7.17E-07	1.66E-07	4.20E-07	2.02E-08	6.06E-07	4.12E-08	7.48E-08	6.60E-09	1.23E-07	3.19E-08	4.17E-08	3.01E-09	7.65E-08
5086	564899.6	4222902	3.23E-07	3.95E-07	2.08E-08	7.39E-07	1.71E-07	4.33E-07	2.08E-08	6.25E-07	4.25E-08	7.71E-08	6.81E-09	1.26E-07	3.29E-08	4.29E-08	3.11E-09	7.89E-08
5087	564896.1	4222893	3.33E-07	4.07E-07	2.15E-08	7.62E-07	1.77E-07	4.46E-07	2.15E-08	6.45E-07	4.38E-08	7.96E-08	7.02E-09	1.30E-07	3.39E-08	4.43E-08	3.20E-09	8.14E-08
5088	564892.6	4222885	3.44E-07	4.2E-07	2.22E-08	7.87E-07	1.82E-07	4.61E-07	2.22E-08	6.65E-07	4.52E-08	8.21E-08	7.25E-09	1.35E-07	3.50E-08	4.57E-08	3.31E-09	8.40E-08
5089	564889.1	4222876	3.55E-07	4.34E-07	2.29E-08	8.12E-07	1.88E-07	4.76E-07	2.29E-08	6.87E-07	4.67E-08	8.48E-08	7.48E-09	1.39E-07	3.61E-08	4.72E-08	3.41E-09	8.67E-08
5090	564885.5	4222868	3.67E-07	4.48E-07	2.36E-08	8.39E-07	1.95E-07	4.91E-07	2.36E-08	7.10E-07	4.82E-08	8.76E-08	7.73E-09	1.43E-07	3.73E-08	4.88E-08	3.53E-09	8.96E-08
5091	564882	4222859	3.79E-07	4.63E-07	2.44E-08	8.67E-07	2.01E-07	5.08E-07	2.44E-08	7.33E-07	4.98E-08	9.05E-08	7.99E-09	1.48E-07	3.85E-08	5.04E-08	3.64E-09	9.26E-08
5092	564878.5	4222851	3.92E-07	4.79E-07	2.52E-08	8.96E-07	2.08E-07	5.25E-07	2.52E-08	7.58E-07	5.15E-08	9.35E-08	8.25E-09	1.53E-07	3.98E-08	5.21E-08	3.77E-09	9.57E-08
5093	564875	4222842	4.05E-07	4.95E-07	2.61E-08	9.26E-07	2.15E-07	5.42E-07	2.61E-08	7.83E-07	5.32E-08	9.67E-08	8.53E-09	1.58E-07	4.12E-08	5.38E-08	3.89E-09	9.89E-08
5094	564871.5	4222834	4.19E-07	5.12E-07	2.70E-08	9.57E-07	2.22E-07	5.61E-07	2.70E-08	8.10E-07	5.50E-08	9.99E-08	8.82E-09	1.64E-07	4.26E-08	5.56E-08	4.02E-09	1.02E-07
5095	564868	4222825	4.33E-07	5.29E-07	2.79E-08	9.90E-07	2.30E-07	5.80E-07	2.79E-08	8.38E-07	5.69E-08	1.03E-07	9.12E-09	1.69E-07	4.40E-08	5.75E-08	4.16E-09	1.06E-07
5096	564864.5	4222816	4.48E-07	5.47E-07	2.88E-08	1.02E-06	2.38E-07	6.00E-07	2.88E-08	8.66E-07	5.88E-08	1.07E-07	9.44E-09	1.75E-07	4.55E-08	5.95E-08	4.30E-09	1.09E-07
5097	564860.9	4222808	4.63E-07	5.66E-07	2.98E-08	1.06E-06	2.46E-07	6.20E-07	2.98E-08	8.96E-07	6.09E-08	1.11E-07	9.76E-09	1.81E-07	4.71E-08	6.16E-08	4.45E-09	1.13E-07
5098	564857.4	4222799	4.79E-07	5.85E-07	3.08E-08	1.10E-06	2.54E-07	6.42E-07	3.08E-08	9.27E-07	6.29E-08	1.14E-07	1.01E-08	1.87E-07	4.87E-08	6.37E-08	4.60E-09	1.17E-07
5099	564853.9	4222791	4.96E-07	6.05E-07	3.19E-08	1.13E-06	2.63E-07	6.64E-07	3.19E-08	9.58E-07	6.51E-08	1.18E-07	1.04E-08	1.94E-07	5.04E-08	6.58E-08	4.76E-09	1.21E-07
5100	564850.4	4222782	5.13E-07	6.26E-07	3.30E-08	1.17E-06	2.72E-07	6.86E-07	3.30E-08	9.91E-07	6.73E-08	1.22E-07	1.08E-08	2.00E-07	5.21E-08	6.81E-08	4.92E-09	1.25E-07
5101	564846.9	4222774	5.3E-07	6.47E-07	3.41E-08	1.21E-06	2.81E-07	7.10E-07	3.41E-08	1.02E-06	6.96E-08	1.26E-07	1.12E-08	2.07E-07	5.39E-08	7.04E-08	5.09E-09	1.29E-07
5102	564843.4	4222765	5.48E-07	6.69E-07	3.53E-08	1.25E-06	2.90E-07	7.34E-07	3.53E-08	1.06E-06	7.19E-08	1.31E-07	1.15E-08	2.14E-07	5.57E-08	7.28E-08	5.26E-09	1.34E-07
5103	564839.8	4222757	5.66E-07	6.91E-07	3.64E-08	1.29E-06	3.00E-07	7.58E-07	3.64E-08	1.09E-06	7.43E-08	1.35E-07	1.19E-08	2.21E-07	5.75E-08	7.52E-08	5.44E-09	1.38E-07
5104	564836.3	4222748	5.85E-07	7.14E-07	3.76E-08	1.34E-06	3.10E-07	7.83E-07	3.76E-08	1.13E-06	7.68E-08	1.40E-07	1.23E-08	2.29E-07	5.94E-08	7.77E-08	5.62E-09	1.43E-07
5105	564832.8	4222740	6.04E-07	7.38E-07	3.89E-08	1.38E-06	3.20E-07	8.09E-07	3.89E-08	1.17E-06	7.93E-08	1.44E-07	1.27E-08	2.36E-07	6.14E-08	8.02E-08	5.80E-09	1.47E-07
5106	564822.3	4222714	6.63E-07	8.1E-07	4.27E-08	1.52E-06	3.52E-07	8.88E-07	4.27E-08	1.28E-06	8.71E-08	1.58E-07	1.40E-08	2.59E-07	6.74E-08	8.81E-08	6.37E-09	1.62E-07
5107	564797.7	4222654	8.08E-07	9.87E-07	5.20E-08	1.85E-06	4.28E-07	1.08E-06	5.20E-08	1.56E-06	1.06E-07	1.93E-07	1.70E-08	3.16E-07	8.21E-08	1.07E-07	7.76E-09	1.97E-07
5108	564794.1	4222646	8.29E-07	1.01E-06	5.33E-08	1.89E-06	4.39E-07	1.11E-06	5.33E-08	1.60E-06	1.09E-07	1.98E-07	1.75E-08	3.24E-07	8.42E-08	1.10E-07	7.96E-09	2.02E-07
5109	564790.6	4222637	8.49E-07	1.04E-06	5.47E-08	1.94E-06	4.50E-07	1.14E-06	5.47E-08	1.64E-06	1.12E-07	2.03E-07	1.79E-08	3.32E-07	8.63E-08	1.13E-07	8.16E-09	2.07E-07
5110	564783.6	4222620	8.9E-07	1.09E-06	5.73E-08	2.03E-06	4.72E-07	1.19E-06	5.73E-08	1.72E-06	1.17E-07	2.12E-07	1.87E-08	3.48E-07	9.04E-08	1.18E-07	8.55E-09	2.17E-07
5111	565335.4	4223106	1.84E-07	2.25E-07	1.19E-08	4.22E-07	9.78E-08	2.47E-07	1.19E-08	3.57E-07	2.42E-08	4.40E-08	3.88E-09	7.21E-08	1.87E-08	2.45E-08	1.77E-09	4.50E-08

			UnMitigated			T2			T2L3			T4		
			2.64E-02	3.49E-02	1.25E-02	1.40E-02	3.82E-02	1.25E-02	3.46E-03	6.81E-03	4.09E-03	2.68E-03	3.79E-03	1.86E-03
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	565529.2	4222707	1.54E-03	2.04E-03	7.31E-04	8.18E-04	2.24E-03	7.31E-04	2.03E-04	3.98E-04	2.39E-04	1.57E-04	2.22E-04	1.09E-04
2	565533.8	4222716	1.47E-03	1.94E-03	6.95E-04	7.78E-04	2.13E-03	6.95E-04	1.93E-04	3.79E-04	2.28E-04	1.49E-04	2.11E-04	1.04E-04
3	565527.7	4222729	1.31E-03	1.73E-03	6.20E-04	6.94E-04	1.90E-03	6.20E-04	1.72E-04	3.38E-04	2.03E-04	1.33E-04	1.88E-04	9.26E-05
4	565538.4	4222725	1.40E-03	1.85E-03	6.63E-04	7.42E-04	2.03E-03	6.63E-04	1.84E-04	3.62E-04	2.17E-04	1.42E-04	2.01E-04	9.90E-05
5	565532.3	4222737	1.25E-03	1.66E-03	5.94E-04	6.64E-04	1.82E-03	5.94E-04	1.65E-04	3.24E-04	1.94E-04	1.27E-04	1.80E-04	8.86E-05
6	565543	4222733	1.34E-03	1.77E-03	6.33E-04	7.09E-04	1.94E-03	6.33E-04	1.76E-04	3.45E-04	2.07E-04	1.36E-04	1.92E-04	9.45E-05
7	565536.7	4222746	1.20E-03	1.59E-03	5.68E-04	6.36E-04	1.74E-03	5.68E-04	1.57E-04	3.10E-04	1.86E-04	1.22E-04	1.72E-04	8.48E-05
8	565547.6	4222742	1.28E-03	1.69E-03	6.05E-04	6.77E-04	1.85E-03	6.05E-04	1.68E-04	3.30E-04	1.98E-04	1.30E-04	1.84E-04	9.03E-05
9	565541.4	4222755	1.15E-03	1.52E-03	5.45E-04	6.09E-04	1.67E-03	5.45E-04	1.51E-04	2.97E-04	1.78E-04	1.17E-04	1.65E-04	8.13E-05
10	565530.1	4222758	1.09E-03	1.44E-03	5.17E-04	5.78E-04	1.58E-03	5.17E-04	1.43E-04	2.82E-04	1.69E-04	1.11E-04	1.57E-04	7.71E-05
11	565552.2	4222751	1.22E-03	1.62E-03	5.79E-04	6.48E-04	1.77E-03	5.79E-04	1.61E-04	3.16E-04	1.89E-04	1.24E-04	1.76E-04	8.64E-05
12	565546	4222764	1.10E-03	1.46E-03	5.23E-04	5.85E-04	1.60E-03	5.23E-04	1.45E-04	2.85E-04	1.71E-04	1.12E-04	1.59E-04	7.80E-05
13	565534.8	4222766	1.05E-03	1.39E-03	4.97E-04	5.56E-04	1.52E-03	4.97E-04	1.38E-04	2.71E-04	1.63E-04	1.07E-04	1.51E-04	7.41E-05
14	565556.8	4222759	1.17E-03	1.55E-03	5.55E-04	6.21E-04	1.70E-03	5.55E-04	1.54E-04	3.03E-04	1.82E-04	1.19E-04	1.69E-04	8.28E-05
15	565550.7	4222772	1.06E-03	1.40E-03	5.02E-04	5.62E-04	1.54E-03	5.02E-04	1.39E-04	2.74E-04	1.64E-04	1.08E-04	1.53E-04	7.50E-05
16	565539.5	4222775	1.01E-03	1.33E-03	4.78E-04	5.35E-04	1.46E-03	4.78E-04	1.32E-04	2.61E-04	1.56E-04	1.03E-04	1.45E-04	7.14E-05
17	565528.4	4222778	9.61E-04	1.27E-03	4.55E-04	5.10E-04	1.39E-03	4.55E-04	1.26E-04	2.48E-04	1.49E-04	9.77E-05	1.38E-04	6.80E-05
18	565561.4	4222768	1.12E-03	1.49E-03	5.33E-04	5.96E-04	1.63E-03	5.33E-04	1.48E-04	2.91E-04	1.74E-04	1.14E-04	1.62E-04	7.95E-05
19	565560.1	4222790	9.82E-04	1.30E-03	4.65E-04	5.20E-04	1.42E-03	4.65E-04	1.29E-04	2.54E-04	1.52E-04	9.98E-05	1.41E-04	6.94E-05
20	565549.1	4222793	9.36E-04	1.24E-03	4.43E-04	4.96E-04	1.36E-03	4.43E-04	1.23E-04	2.42E-04	1.45E-04	9.51E-05	1.35E-04	6.62E-05
21	565538	4222795	8.94E-04	1.18E-03	4.24E-04	4.74E-04	1.30E-03	4.24E-04	1.17E-04	2.31E-04	1.39E-04	9.09E-05	1.29E-04	6.32E-05
22	565527	4222798	8.55E-04	1.13E-03	4.05E-04	4.53E-04	1.24E-03	4.05E-04	1.12E-04	2.21E-04	1.33E-04	8.69E-05	1.23E-04	6.05E-05
23	565558	4222810	8.68E-04	1.15E-03	4.11E-04	4.60E-04	1.26E-03	4.11E-04	1.14E-04	2.24E-04	1.35E-04	8.82E-05	1.25E-04	6.14E-05
24	565546.7	4222813	8.31E-04	1.10E-03	3.94E-04	4.40E-04	1.20E-03	3.94E-04	1.09E-04	2.15E-04	1.29E-04	8.44E-05	1.19E-04	5.87E-05
25	565535.4	4222816	7.96E-04	1.05E-03	3.77E-04	4.22E-04	1.15E-03	3.77E-04	1.05E-04	2.06E-04	1.23E-04	8.09E-05	1.14E-04	5.63E-05
26	565578.8	4222825	7.54E-04	9.98E-04	3.57E-04	4.00E-04	1.09E-03	3.57E-04	9.91E-05	1.95E-04	1.17E-04	7.67E-05	1.09E-04	5.33E-05
27	565556.4	4222831	7.08E-04	9.37E-04	3.36E-04	3.76E-04	1.03E-03	3.36E-04	9.30E-05	1.83E-04	1.10E-04	7.20E-05	1.02E-04	5.01E-05
28	565545.2	4222833	7.46E-04	9.87E-04	3.54E-04	3.96E-04	1.08E-03	3.54E-04	9.80E-05	1.93E-04	1.16E-04	7.59E-05	1.07E-04	5.28E-05
29	565534	4222836	7.18E-04	9.49E-04	3.40E-04	3.81E-04	1.04E-03	3.40E-04	9.43E-05	1.85E-04	1.11E-04	7.30E-05	1.03E-04	5.08E-05
30	565589.6	4222821	7.88E-04	1.04E-03	3.74E-04	4.18E-04	1.14E-03	3.74E-04	1.04E-04	2.04E-04	1.22E-04	8.01E-05	1.13E-04	5.58E-05
31	565588.2	4222843	6.95E-04	9.19E-04	3.29E-04	3.68E-04	1.01E-03	3.29E-04	9.12E-05	1.79E-04	1.08E-04	7.06E-05	9.99E-05	4.91E-05
32	565577.1	4222846	6.74E-04	8.91E-04	3.19E-04	3.57E-04	9.77E-04	3.19E-04	8.85E-05	1.74E-04	1.04E-04	6.85E-05	9.70E-05	4.77E-05
33	565554.9	4222851	6.41E-04	8.48E-04	3.04E-04	3.40E-04	9.29E-04	3.04E-04	8.42E-05	1.66E-04	9.93E-05	6.51E-05	9.22E-05	4.53E-05
34	565543.8	4222854	6.76E-04	8.94E-04	3.20E-04	3.58E-04	9.80E-04	3.20E-04	8.88E-05	1.75E-04	1.05E-04	6.87E-05	9.72E-05	4.78E-05
35	565532.7	4222857	6.52E-04	8.63E-04	3.09E-04	3.46E-04	9.46E-04	3.09E-04	8.57E-05	1.68E-04	1.01E-04	6.63E-05	9.38E-05	4.61E-05
36	565599	4222839	7.25E-04	9.59E-04	3.43E-04	3.84E-04	1.05E-03	3.43E-04	9.52E-05	1.87E-04	1.12E-04	7.37E-05	1.04E-04	5.13E-05
37	565597.5	4222861	6.42E-04	8.49E-04	3.04E-04	3.40E-04	9.31E-04	3.04E-04	8.43E-05	1.66E-04	9.95E-05	6.52E-05	9.23E-05	4.54E-05
38	565586.1	4222863	6.22E-04	8.22E-04	2.94E-04	3.30E-04	9.01E-04	2.94E-04	8.16E-05	1.61E-04	9.63E-05	6.32E-05	8.94E-05	4.40E-05
39	565574.8	4222866	6.05E-04	8.01E-04	2.87E-04	3.21E-04	8.78E-04	2.87E-04	7.95E-05	1.56E-04	9.39E-05	6.15E-05	8.71E-05	4.28E-05
40	565552.2	4222872	5.78E-04	7.65E-04	2.74E-04	3.07E-04	8.38E-04	2.74E-04	7.60E-05	1.49E-04	8.97E-05	5.88E-05	8.32E-05	4.09E-05
41	565540.8	4222874	5.66E-04	7.49E-04	2.68E-04	3.00E-04	8.21E-04	2.68E-04	7.43E-05	1.46E-04	8.78E-05	5.75E-05	8.14E-05	4.00E-05
42	565608.3	4222856	6.69E-04	8.85E-04	3.17E-04	3.55E-04	9.70E-04	3.17E-04	8.78E-05	1.73E-04	1.04E-04	6.80E-05	9.62E-05	4.73E-05
43	565606.9	4222878	5.96E-04	7.88E-04	2.82E-04	3.16E-04	8.63E-04	2.82E-04	7.82E-05	1.54E-04	9.23E-05	6.05E-05	8.57E-05	4.21E-05
44	565595.7	4222881	5.78E-04	7.64E-04	2.74E-04	3.06E-04	8.37E-04	2.74E-04	7.59E-05	1.49E-04	8.95E-05	5.87E-05	8.31E-05	4.08E-05
45	565584.4	4222884	5.61E-04	7.42E-04	2.66E-04	2.98E-04	8.14E-04	2.66E-04	7.37E-05	1.45E-04	8.70E-05	5.70E-05	8.07E-05	3.97E-05
46	565562	4222889	5.36E-04	7.08E-04	2.54E-04	2.84E-04	7.76E-04	2.54E-04	7.03E-05	1.38E-04	8.30E-05	5.44E-05	7.70E-05	3.79E-05
47	565550.8	4222892	5.24E-04	6.93E-04	2.48E-04	2.78E-04	7.60E-04	2.48E-04	6.88E-05	1.35E-04	8.13E-05	5.33E-05	7.54E-05	3.71E-05
48	565539.5	4222895	5.15E-04	6.82E-04	2.44E-04	2.73E-04	7.47E-04	2.44E-04	6.77E-05	1.33E-04	7.99E-05	5.24E-05	7.41E-05	3.65E-05
49	565617.7	4222874	6.21E-04	8.21E-04	2.94E-04	3.29E-04	9.00E-04	2.94E-04	8.15E-05	1.60E-04	9.62E-05	6.31E-05	8.93E-05	4.39E-05
50	565560.6	4222910	4.88E-04	6.45E-04	2.31E-04	2.59E-04	7.07E-04	2.31E-04	6.40E-05	1.26E-04	7.56E-05	4.96E-05	7.01E-05	3.45E-05
51	565549.5	4222912	4.79E-04	6.33E-04	2.27E-04	2.54E-04	6.94E-04	2.27E-04	6.29E-05	1.24E-04	7.42E-05	4.87E-05	6.89E-05	3.39E-05
52	565538.4	4222915	4.72E-04	6.24E-04	2.24E-04	2.50E-04	6.84E-04	2.24E-04	6.20E-05	1.22E-04	7.32E-05	4.80E-05	6.79E-05	3.34E-05
53	565627.1	4222892	5.57E-04	7.37E-04	2.64E-04	2.95E-04	8.08E-04	2.64E-04	7.32E-05	1.44E-04	8.64E-05	5.66E-05	8.02E-05	3.94E-05
54	565625.6	4222914	4.95E-04	6.54E-04	2.34E-04	2.62E-04	7.17E-04	2.34E-04	6.50E-05	1.28E-04	7.67E-05	5.03E-05	7.12E-05	3.50E-05
55	565602.9	4222919	4.85E-04	6.41E-04	2.30E-04	2.57E-04	7.03E-04	2.30E-04	6.37E-05	1.25E-04	7.51E-05	4.93E-05	6.97E-05	3.43E-05
56	565591.6	4222922	4.74E-04	6.26E-04	2.24E-04	2.51E-04	6.86E-04	2.24E-04	6.22E-05	1.22E-04	7.34E-05	4.81E-05	6.81E-05	3.35E-05
57	565580.2	4222925	4.64E-04	6.13E-04	2.20E-04	2.46E-04	6.72E-04	2.20E-04	6.09E-05	1.20E-04	7.19E-05	4.71E-05	6.67E-05	3.28E-05
58	565557.6	4222930	4.48E-04	5.92E-04	2.12E-04	2.37E-04	6.49E-04	2.12E-04	5.88E-05	1.16E-04	6.94E-05	4.55E-05	6.44E-05	3.16E-05
59	565546.2	4222933	4.40E-04	5.82E-04	2.08E-04	2.33E-04	6.38E-04	2.08E-04	5.78E-05	1.14E-04	6.82E-05	4.47E-05	6.33E-05	3.11E-05
60	565534.9	4222936	4.32E-04	5.71E-04	2.05E-04	2.29E-04	6.26E-04	2.05E-04	5.67E-05	1.12E-04	6.69E-05	4.39E-05	6.21E-05	3.05E-05
61	565636.5	4222909	5.17E-04	6.83E-04	2.45E-04	2.74E-04	7.49E-04	2.45E-04	6.78E-05	1.33E-04	8.01E-05	5.25E-05	7.43E-05	3.65E-05
62	565635	4222931	4.60E-04	6.09E-04	2.18E-04	2.44E-04	6.67E-04	2.18E-04	6.04E-05	1.19E-04	7.13E-05	4.68E-05	6.62E-05	3.25E-05
63	565623.8	4222934	4.45E-04	5.88E-04	2.11E-04	2.36E-04	6.45E-04	2.11E-04	5.84E-05	1.15E-04	6.90E-05	4.52E-05	6.40E-05	3.15E-05
64	565612.5	4222937	4.46E-04	5.90E-04	2.11E-04	2.37E-04	6.47E-04	2.11E-04	5.86E-05	1.15E-04	6.92E-05	4.53E-05	6.42E-05	3.16E-05
65	565601.3	4222940	4.38E-04	5.80E-04	2.08E-04	2.32E-04	6.36E-04	2.08E-04	5.76E-05	1.13E-04	6.80E-05	4.46E-05	6.31E-05	3.10E-05
66	565590	4222942	4.31E-04	5.70E-04	2.04E-04	2.29E-04	6.25E-04	2.04E-04	5.66E-05	1.11E-04	6.68E-05	4.38E-05	6.20E-05	3.05E-05
67	565578.8	4222945	4.24E-04	5.61E-04	2.01E-04	2.25E-04	6.15E-04	2.01E-04	5.57E-05	1.10E-04	6.58E-05	4.31E-05	6.10E-05	3.00E-05
68	565556.3	4222951	4.12E-04	5.45E-04	1.95E-04	2.19E-04	5.98E-04	1.95E-04	5.42E-05	1.07E-04	6.39E-05	4.19E-05	5.93E-05	2.92E-05
69	565545	4222953	4.07E-04	5.38E-04	1.93E-04	2.16E-04	5.90E-04	1.93E-04	5.35E-05	1.05E-04	6.31E-05	4.14E-05	5.86E-05	2.88E-05
70	565533.8	4222956	4.02E-04	5.32E-04	1.91E-04	2.13E-04	5.83E-04	1.91E-04	5.28E-05	1.04E-04	6.24E-05	4.09E-05	5.79E-05	2.85E-05
71	565645.8	4222927	4.79E-04	6.34E-04	2.27E-04	2.54E-04	6.95E-04	2.27E-04	6.29E-05	1.24E-04	7.43E-05	4.87E-05	6.89E-05	3.39E-05
72	565644.3	4222949	4.32E-04	5.71E-04	2.04E-04	2.29E-04	6.26E-04	2.04E-04	5.67E-05	1.12E-04	6.69E-05	4.39E-05	6.21E-05	3.05E-05
73	565632.9	4222952	4.18E-04	5.53E-04	1.98E-04	2.22E-04	6.06E-04	1.98E-04	5.49E-05	1.08E-04	6.48E-05	4.25E-05	6.02E-05	2.96E-05
74	565621.4	4222955	4.06E-04	5.37E-04	1.93E-04	2.15E-04	5.89E-04	1.93E-04	5.34E-05	1.05E-04	6.30E-05	4.13E-05	5.85E-05	2.87E-05
75	565610	4222957	4.10E-04	5.42E-04	1.94E-04	2.17E-04	5.94E-04	1.94E-04	5.38E-05	1.06E-04	6.35E-05	4.16E-05	5.89E-05	2.90E-05
76	565598.6	4222960	4.02E-04	5.32E-04	1.90E-04	2.13E-04	5.83E-04	1.90E-04	5.28E-05	1.04E-04	6.23E-05	4.09E-05	5.78E-05	2.84E-05
77	565587.1	4222963	3.95E-04	5.22E-04	1.87E-04	2.09E-04	5.72E-04	1.87E-04	5.19E-05	1.02E-04	6.12E-05	4.01E-05	5.68E-05	2.79E-05
78	565575.7	4222966	3.89E-04	5.15E-04	1.84E-04	2.06E-04	5.65E-04	1.84E-04	5.11E-05	1.01E-04	6.04E-05	3.96E-05	5.60E-05	2.75E-05
79	565552.8	4222971	3.82E-04	5.05E-04	1.81E-04	2.02E-04	5.54E-04	1.81E-04	5.02E-05	9.87E-05	5.92E-05	3.88E-05	5.49E-05	2.70E-05
80	565541.4	4222974	3.79E-04	5.02E-04	1.80E-04	2.01E-04	5.50E-04	1.80E-04	4.98E-05	9.80E-05	5.88E-05	3.86E-05	5.46E-05	2.68E-05
81	565530	4222977	3.77E-04	4.98E-04	1.78E-04	2.00E-04	5.46E-04	1.78E-04	4.95E-05	9.73E-05	5.84E-05	3.83E-05	5.42E-05	2.66E-05
82	565655.2	4222945	4.47E-04	5.91E-04	2.12E-04	2.37E-04	6.47E-04	2.12E-04	5.87E-05	1.15E-04	6.92E-05	4.54E-05	6.42E-05	3.16E-05
83	565642.4	4222969	3.96E-04	5.23E-04	1.87E-04	2.10E-04	5.74E-04	1.87E-04	5.20E-05	1.02E-04	6.13E-05	4.02E-05	5.69E-05	2.80E-05
84	565631	4222972	3.85E-04	5.10E-04	1.83E-04	2.04E-04	5.59E-04	1.83E-04	5.06E-05	9.95E-05	5.97E-05	3.92E-05	5.54E-05	2.72E-05
85	565619.7	4222975	3.76E-04	4.97E-04	1.78E-04	1.99E-04	5.45E-04	1.78E-04	4.94E-05	9.71E-05	5.83E-05	3.82E-05	5.41E-05	2.66E-05
86	565608.3	4222978	3.79E-04	5.01E-04	1.79E-04	2.01E-04	5.49E-04	1.79E-04	4.97E-05	9.78E-05	5.87E-05	3.85E-05	5.45E-05	2.68E-05
87	565597	4222981	3.73E-04	4.94E-04	1.77E-04	1.98E-04	5.41E-04	1.77E-04	4.90E-05	9.65E-05	5.79E-05	3.79E-05	5.37E-05	2.64E-05
88	565585.6	4222983	3.69E-04	4.88E-04	1.75E-04	1.96E-04	5.35E-04	1.75E-04	4.85E-05	9.53E-05	5.72E-05	3.75E-05	5.31E-05	2.61E-05

89	565551.6	4222992	3.60E-04	4.76E-04	1.70E-04	1.91E-04	5.21E-04	1.70E-04	4.72E-05	9.29E-05	5.58E-05	3.65E-05	5.17E-05	2.54E-05
90	565540.3	4222994	3.58E-04	4.73E-04	1.69E-04	1.90E-04	5.18E-04	1.69E-04	4.70E-05	9.24E-05	5.54E-05	3.63E-05	5.14E-05	2.53E-05
91	565528.9	4222997	3.55E-04	4.70E-04	1.68E-04	1.88E-04	5.15E-04	1.68E-04	4.66E-05	9.17E-05	5.50E-05	3.61E-05	5.11E-05	2.51E-05
92	565663.1	4222984	3.88E-04	5.14E-04	1.84E-04	2.06E-04	5.63E-04	1.84E-04	5.10E-05	1.00E-04	6.02E-05	3.95E-05	5.59E-05	2.75E-05
93	565651.9	4222987	3.78E-04	5.00E-04	1.79E-04	2.00E-04	5.48E-04	1.79E-04	4.96E-05	9.76E-05	5.86E-05	3.84E-05	5.43E-05	2.67E-05
94	565640.6	4222990	3.68E-04	4.87E-04	1.74E-04	1.95E-04	5.34E-04	1.74E-04	4.83E-05	9.51E-05	5.71E-05	3.74E-05	5.30E-05	2.60E-05
95	565629.3	4222993	3.60E-04	4.76E-04	1.70E-04	1.91E-04	5.21E-04	1.70E-04	4.72E-05	9.29E-05	5.57E-05	3.65E-05	5.17E-05	2.54E-05
96	565618.1	4222995	3.52E-04	4.65E-04	1.67E-04	1.87E-04	5.10E-04	1.67E-04	4.62E-05	9.09E-05	5.45E-05	3.58E-05	5.06E-05	2.49E-05
97	565606.8	4222998	3.53E-04	4.67E-04	1.67E-04	1.87E-04	5.12E-04	1.67E-04	4.63E-05	9.12E-05	5.47E-05	3.59E-05	5.08E-05	2.50E-05
98	565595.5	4223001	3.50E-04	4.63E-04	1.66E-04	1.86E-04	5.08E-04	1.66E-04	4.60E-05	9.05E-05	5.43E-05	3.56E-05	5.04E-05	2.48E-05
99	565584.3	4223004	3.47E-04	4.59E-04	1.65E-04	1.84E-04	5.03E-04	1.65E-04	4.56E-05	8.97E-05	5.38E-05	3.53E-05	4.99E-05	2.46E-05
100	565561.7	4223009	3.43E-04	4.54E-04	1.63E-04	1.82E-04	4.97E-04	1.63E-04	4.51E-05	8.86E-05	5.32E-05	3.49E-05	4.93E-05	2.43E-05
101	565550.5	4223012	3.41E-04	4.51E-04	1.62E-04	1.81E-04	4.95E-04	1.62E-04	4.48E-05	8.81E-05	5.29E-05	3.47E-05	4.91E-05	2.41E-05
102	565539.2	4223015	3.39E-04	4.49E-04	1.61E-04	1.80E-04	4.92E-04	1.61E-04	4.46E-05	8.77E-05	5.26E-05	3.45E-05	4.88E-05	2.40E-05
103	565527.9	4223017	3.37E-04	4.46E-04	1.60E-04	1.79E-04	4.89E-04	1.60E-04	4.43E-05	8.71E-05	5.23E-05	3.43E-05	4.85E-05	2.38E-05
104	565674	4222980	4.02E-04	5.31E-04	1.90E-04	2.13E-04	5.82E-04	1.90E-04	5.28E-05	1.04E-04	6.23E-05	4.08E-05	5.78E-05	2.84E-05
105	565672.4	4223002	3.72E-04	4.92E-04	1.76E-04	1.97E-04	5.39E-04	1.76E-04	4.88E-05	9.61E-05	5.77E-05	3.78E-05	5.35E-05	2.63E-05
106	565661	4223005	3.62E-04	4.79E-04	1.72E-04	1.92E-04	5.25E-04	1.72E-04	4.76E-05	9.36E-05	5.62E-05	3.68E-05	5.21E-05	2.56E-05
107	565649.6	4223008	3.54E-04	4.68E-04	1.68E-04	1.88E-04	5.13E-04	1.68E-04	4.65E-05	9.14E-05	5.49E-05	3.60E-05	5.09E-05	2.50E-05
108	565638.1	4223010	3.46E-04	4.58E-04	1.64E-04	1.84E-04	5.02E-04	1.64E-04	4.55E-05	8.94E-05	5.37E-05	3.52E-05	4.98E-05	2.45E-05
109	565626.7	4223013	3.39E-04	4.49E-04	1.61E-04	1.80E-04	4.92E-04	1.61E-04	4.46E-05	8.77E-05	5.26E-05	3.45E-05	4.88E-05	2.40E-05
110	565615.3	4223016	3.38E-04	4.47E-04	1.60E-04	1.79E-04	4.90E-04	1.60E-04	4.44E-05	8.73E-05	5.24E-05	3.44E-05	4.86E-05	2.39E-05
111	565603.8	4223019	3.34E-04	4.42E-04	1.58E-04	1.77E-04	4.84E-04	1.58E-04	4.39E-05	8.63E-05	5.18E-05	3.40E-05	4.81E-05	2.36E-05
112	565592.4	4223022	3.31E-04	4.37E-04	1.57E-04	1.75E-04	4.79E-04	1.57E-04	4.34E-05	8.54E-05	5.13E-05	3.36E-05	4.76E-05	2.34E-05
113	565581	4223024	3.28E-04	4.33E-04	1.55E-04	1.74E-04	4.75E-04	1.55E-04	4.30E-05	8.47E-05	5.08E-05	3.33E-05	4.71E-05	2.32E-05
114	565558.1	4223030	3.26E-04	4.31E-04	1.54E-04	1.73E-04	4.73E-04	1.54E-04	4.28E-05	8.42E-05	5.06E-05	3.31E-05	4.69E-05	2.31E-05
115	565546.7	4223033	3.25E-04	4.29E-04	1.54E-04	1.72E-04	4.71E-04	1.54E-04	4.26E-05	8.39E-05	5.03E-05	3.30E-05	4.67E-05	2.30E-05
116	565535.3	4223036	3.22E-04	4.26E-04	1.53E-04	1.71E-04	4.68E-04	1.53E-04	4.24E-05	8.33E-05	5.00E-05	3.28E-05	4.64E-05	2.28E-05
117	565683.3	4222998	3.82E-04	5.05E-04	1.81E-04	2.02E-04	5.53E-04	1.81E-04	5.01E-05	9.86E-05	5.92E-05	3.88E-05	5.49E-05	2.70E-05
118	565681.8	4223020	3.57E-04	4.73E-04	1.69E-04	1.89E-04	5.18E-04	1.69E-04	4.69E-05	9.23E-05	5.54E-05	3.63E-05	5.14E-05	2.53E-05
119	565670.5	4223022	3.50E-04	4.63E-04	1.66E-04	1.86E-04	5.07E-04	1.66E-04	4.60E-05	9.04E-05	5.43E-05	3.56E-05	5.03E-05	2.47E-05
120	565659.1	4223025	3.42E-04	4.52E-04	1.62E-04	1.81E-04	4.96E-04	1.62E-04	4.49E-05	8.83E-05	5.30E-05	3.47E-05	4.92E-05	2.42E-05
121	565647.8	4223028	3.35E-04	4.43E-04	1.59E-04	1.77E-04	4.85E-04	1.59E-04	4.39E-05	8.65E-05	5.19E-05	3.40E-05	4.81E-05	2.37E-05
122	565636.4	4223031	3.28E-04	4.34E-04	1.55E-04	1.74E-04	4.76E-04	1.55E-04	4.31E-05	8.48E-05	5.09E-05	3.33E-05	4.72E-05	2.32E-05
123	565625.1	4223034	3.22E-04	4.26E-04	1.53E-04	1.71E-04	4.67E-04	1.53E-04	4.23E-05	8.33E-05	5.00E-05	3.27E-05	4.64E-05	2.28E-05
124	565613.7	4223036	3.21E-04	4.25E-04	1.52E-04	1.70E-04	4.66E-04	1.52E-04	4.22E-05	8.30E-05	4.98E-05	3.26E-05	4.62E-05	2.27E-05
125	565602.4	4223039	3.18E-04	4.21E-04	1.51E-04	1.69E-04	4.62E-04	1.51E-04	4.18E-05	8.23E-05	4.94E-05	3.24E-05	4.58E-05	2.25E-05
126	565591	4223042	3.16E-04	4.18E-04	1.50E-04	1.68E-04	4.58E-04	1.50E-04	4.15E-05	8.16E-05	4.90E-05	3.21E-05	4.55E-05	2.23E-05
127	565579.7	4223045	3.14E-04	4.16E-04	1.49E-04	1.67E-04	4.56E-04	1.49E-04	4.13E-05	8.12E-05	4.87E-05	3.19E-05	4.52E-05	2.22E-05
128	565557	4223050	3.12E-04	4.13E-04	1.48E-04	1.66E-04	4.53E-04	1.48E-04	4.10E-05	8.07E-05	4.84E-05	3.17E-05	4.49E-05	2.21E-05
129	565545.6	4223053	3.10E-04	4.10E-04	1.47E-04	1.64E-04	4.50E-04	1.47E-04	4.07E-05	8.02E-05	4.81E-05	3.15E-05	4.46E-05	2.19E-05
130	565534.3	4223056	3.08E-04	4.07E-04	1.46E-04	1.63E-04	4.46E-04	1.46E-04	4.04E-05	7.95E-05	4.77E-05	3.13E-05	4.42E-05	2.18E-05
131	565692.7	4223015	3.66E-04	4.84E-04	1.74E-04	1.94E-04	5.31E-04	1.74E-04	4.81E-05	9.46E-05	5.68E-05	3.72E-05	5.27E-05	2.59E-05
132	565691.3	4223037	3.45E-04	4.56E-04	1.63E-04	1.83E-04	5.00E-04	1.63E-04	4.53E-05	8.90E-05	5.34E-05	3.50E-05	4.96E-05	2.44E-05
133	565680	4223040	3.38E-04	4.46E-04	1.60E-04	1.79E-04	4.89E-04	1.60E-04	4.43E-05	8.72E-05	5.23E-05	3.43E-05	4.86E-05	2.39E-05
134	565668.7	4223043	3.31E-04	4.37E-04	1.57E-04	1.75E-04	4.79E-04	1.57E-04	4.34E-05	8.54E-05	5.12E-05	3.36E-05	4.75E-05	2.34E-05
135	565657.4	4223046	3.24E-04	4.28E-04	1.53E-04	1.72E-04	4.69E-04	1.53E-04	4.25E-05	8.36E-05	5.02E-05	3.29E-05	4.65E-05	2.29E-05
136	565646.1	4223048	3.17E-04	4.20E-04	1.50E-04	1.68E-04	4.60E-04	1.50E-04	4.17E-05	8.20E-05	4.92E-05	3.23E-05	4.57E-05	2.24E-05
137	565634.9	4223051	3.12E-04	4.12E-04	1.48E-04	1.65E-04	4.52E-04	1.48E-04	4.10E-05	8.06E-05	4.83E-05	3.17E-05	4.49E-05	2.21E-05
138	565623.6	4223054	3.07E-04	4.06E-04	1.45E-04	1.63E-04	4.45E-04	1.45E-04	4.03E-05	7.93E-05	4.76E-05	3.12E-05	4.41E-05	2.17E-05
139	565612.3	4223057	3.06E-04	4.05E-04	1.45E-04	1.62E-04	4.44E-04	1.45E-04	4.02E-05	7.91E-05	4.75E-05	3.11E-05	4.41E-05	2.17E-05
140	565601	4223059	3.05E-04	4.03E-04	1.44E-04	1.62E-04	4.42E-04	1.44E-04	4.00E-05	7.87E-05	4.72E-05	3.10E-05	4.38E-05	2.16E-05
141	565589.7	4223062	3.03E-04	4.01E-04	1.44E-04	1.61E-04	4.39E-04	1.44E-04	3.98E-05	7.83E-05	4.70E-05	3.08E-05	4.36E-05	2.14E-05
142	565578.4	4223065	3.02E-04	3.99E-04	1.43E-04	1.60E-04	4.37E-04	1.43E-04	3.96E-05	7.79E-05	4.68E-05	3.07E-05	4.34E-05	2.13E-05
143	565555.9	4223070	2.98E-04	3.95E-04	1.41E-04	1.58E-04	4.33E-04	1.41E-04	3.92E-05	7.71E-05	4.63E-05	3.03E-05	4.29E-05	2.11E-05
144	565544.6	4223073	2.96E-04	3.91E-04	1.40E-04	1.57E-04	4.28E-04	1.40E-04	3.88E-05	7.64E-05	4.58E-05	3.00E-05	4.25E-05	2.09E-05
145	565533.3	4223076	2.92E-04	3.87E-04	1.39E-04	1.55E-04	4.24E-04	1.39E-04	3.84E-05	7.55E-05	4.53E-05	2.97E-05	4.21E-05	2.07E-05
146	565702.1	4223033	3.53E-04	4.67E-04	1.67E-04	1.87E-04	5.12E-04	1.67E-04	4.64E-05	9.12E-05	5.47E-05	3.59E-05	5.08E-05	2.50E-05
147	565529.9	4222867	6.19E-04	8.18E-04	2.93E-04	3.28E-04	8.97E-04	2.93E-04	8.13E-05	1.60E-04	9.59E-05	6.29E-05	8.90E-05	4.38E-05
148	565535.7	4222886	5.34E-04	7.07E-04	2.53E-04	2.83E-04	7.75E-04	2.53E-04	7.02E-05	1.38E-04	8.28E-05	5.43E-05	7.69E-05	3.78E-05
149	565541.5	4222906	4.92E-04	6.51E-04	2.33E-04	2.61E-04	7.13E-04	2.33E-04	6.46E-05	1.27E-04	7.63E-05	5.00E-05	7.08E-05	3.48E-05
150	565548.9	4222924	4.56E-04	6.03E-04	2.16E-04	2.42E-04	6.62E-04	2.16E-04	5.99E-05	1.18E-04	7.07E-05	4.64E-05	6.56E-05	3.23E-05
151	565593.6	4223078	2.94E-04	3.89E-04	1.39E-04	1.56E-04	4.26E-04	1.39E-04	3.86E-05	7.59E-05	4.56E-05	2.99E-05	4.23E-05	2.08E-05
152	565549.1	4222507	1.32E-02	1.75E-02	6.27E-03	7.02E-03	1.92E-02	6.27E-03	1.74E-03	3.42E-03	2.05E-03	1.35E-03	1.90E-03	9.36E-04
153	565543.1	4222521	1.17E-02	1.54E-02	5.53E-03	6.19E-03	1.69E-02	5.53E-03	1.53E-03	3.02E-03	1.81E-03	1.19E-03	1.68E-03	8.26E-04
154	565552.3	4222491	1.51E-02	2.00E-02	7.16E-03	8.02E-03	2.19E-02	7.16E-03	1.99E-03	3.91E-03	2.34E-03	1.54E-03	2.18E-03	1.07E-03
155	565552.5	4222482	1.63E-02	2.16E-02	7.72E-03	8.64E-03	2.36E-02	7.72E-03	2.14E-03	4.21E-03	2.53E-03	1.66E-03	2.34E-03	1.15E-03
156	565552.7	4222473	1.75E-02	2.31E-02	8.27E-03	9.26E-03	2.53E-02	8.27E-03	2.29E-03	4.51E-03	2.71E-03	1.77E-03	2.51E-03	1.24E-03
157	565558.3	4222509	1.25E-02	1.65E-02	5.91E-03	6.62E-03	1.81E-02	5.91E-03	1.64E-03	3.22E-03	1.93E-03	1.27E-03	1.80E-03	8.83E-04
158	565551.1	4222525	1.08E-02	1.43E-02	5.14E-03	5.75E-03	1.57E-02	5.14E-03	1.42E-03	2.80E-03	1.68E-03	1.10E-03	1.56E-03	7.67E-04
159	565547.5	4222533	9.98E-03	1.32E-02	4.73E-03	5.29E-03	1.45E-02	4.73E-03	1.31E-03	2.58E-03	1.55E-03	1.01E-03	1.44E-03	7.06E-04
160	565561.9	4222501	1.32E-02	1.75E-02	6.26E-03	7.00E-03	1.92E-02	6.26E-03	1.73E-03	3.41E-03	2.05E-03	1.34E-03	1.90E-03	9.34E-04
161	565562.1	4222492	1.42E-02	1.88E-02	6.74E-03	7.55E-03	2.06E-02	6.74E-03	1.87E-03	3.68E-03	2.21E-03	1.45E-03	2.05E-03	1.01E-03
162	565562.3	4222483	1.53E-02	2.02E-02	7.23E-03	8.09E-03	2.21E-02	7.23E-03	2.00E-03	3.94E-03	2.37E-03	1.55E-03	2.20E-03	1.08E-03
163	565562.6	4222473	1.63E-02	2.15E-02	7.72E-03	8.63E-03	2.36E-02	7.72E-03	2.14E-03	4.21E-03	2.52E-03	1.66E-03	2.34E-03	1.15E-03
164	565568.2	4222509	1.19E-02	1.58E-02	5.65E-03	6.33E-03	1.73E-02	5.65E-03	1.57E-03	3.08E-03	1.85E-03	1.21E-03	1.72E-03	8.44E-04
165	565561.3	4222525	1.06E-02	1.40E-02	5.00E-03	5.60E-03	1.53E-02	5.00E-03	1.39E-03	2.73E-03	1.64E-03	1.07E-03	1.52E-03	7.47E-04
166	565554.3	4222541	9.07E-03	1.20E-02	4.30E-03	4.81E-03	1.31E-02	4.30E-03	1.19E-03	2.34E-03	1.41E-03	9.21E-04	1.30E-03	6.41E-04
167	565542.7	4222552	8.03E-03	1.06E-02	3.80E-03	4.26E-03	1.16E-02	3.80E-03	1.05E-03	2.07E-03	1.24E-03	8.16E-04	1.15E-03	5.68E-04
168	565572	4222492	1.34E-02	1.78E-02	6.37E-03	7.13E-03	1.95E-02	6.37E-03	1.77E-03	3.47E-03	2.08E-03	1.37E-03	1.93E-03	9.51E-04
169	565572.2	4222483	1.44E-02	1.90E-02	6.80E-03	7.61E-03	2.08E-02	6.80E-03	1.88E-03	3.71E-03	2.22E-03	1.46E-03	2.06E-03	1.01E-03
170	565572.4	4222474	1.53E-02	2.02E-02	7.23E-03	8.09E-03	2.21E-02	7.23E-03	2.00E-03	3.94E-03	2.36E-03	1.55E-03	2.19E-03	1.08E-03
171	565578.1	4222509	1.14E-02	1.51E-02	5.41E-03	6.05E-03	1.65E-02	5.41E-03	1.50E-03	2.95E-03	1.77E-03	1.16E-03	1.64E-03	8.07E-04
172	565571.3	4222525	1.02E-02	1.35E-02	4.85E-03	5.43E-03	1.49E-02	4.85E-03	1.35E-03	2.65E-03	1.59E-03	1.04E-03	1.47E-03	7.25E-04
173	565564.5	4222540	8.96E-03	1.19E-02	4.24E-03	4.75E-03	1.30E-02	4.24E-03	1.18E-03	2.31E-03	1.39E-03	9.11E-04	1.29E-03	6.34E-04
174	565549.7	4222559	7.38E-03	9.76E-03	3.50E-03	3.91E-03	1.07E-02	3.50E-03	9.69E-04	1.91E-03	1.14E-03	7.50E-04	1.06E-03	5.22E-04
175	565581.8	4222492	1.27E-02	1.68E-02	6.03E-03	6.75E-03	1.85E-02	6.03E-03	1.67E-03	3.29E-03	1.97E-03	1.29E-03	1.83E-03	9.01E-04
176	565582	4222483	1.35E-02	1.79E-02	6.41E-03	7.18E-03	1.96E-02	6.41E-03	1.78E-03	3.50E-03	2.10E-03	1.38E-03	1.95E-03	9.57E-04
177	565582.2	4222474	1.43E-02	1.89E-02	6.79E-03	7.60E-03	2.08E-02	6.79E-03	1.88E-03	3.70E-03	2.22E-03	1.46E-03	2.06E-03	1.01E-03
178	565581.3	4222524	9.92E-03	1.31E-02	4.70E-03	5.26E-03	1.44E-02	4.70E-03	1.30E-03	2.56E-03	1.54E-03	1.01E-03	1.43E-03	7.01E-04
179	565574.6	4222540	8.80E-03	1.16E-02	4.17E-03	4.67E-03	1.28E-02	4.17E-03	1.16E-03	2.27E-03	1.36E-03	8.95E-04	1.27E-03	6.22E-04

180	565567.8	4222555	7.64E-03	1.01E-02	3.62E-03	4.05E-03	1.11E-02	3.62E-03	1.00E-03	1.97E-03	1.18E-03	7.76E-04	1.10E-03	5.40E-04
181	565556.6	4222566	6.82E-03	9.02E-03	3.23E-03	3.62E-03	9.89E-03	3.23E-03	8.96E-04	1.76E-03	1.06E-03	6.93E-04	9.81E-04	4.82E-04
182	565541	4222572	6.26E-03	8.28E-03	2.97E-03	3.32E-03	9.08E-03	2.97E-03	8.22E-04	1.62E-03	9.71E-04	6.36E-04	9.01E-04	4.43E-04
183	565577.9	4222555	7.58E-03	1.00E-02	3.59E-03	4.02E-03	1.10E-02	3.59E-03	9.96E-04	1.96E-03	1.18E-03	7.70E-04	1.09E-03	5.36E-04
184	565563.6	4222573	6.33E-03	8.37E-03	3.00E-03	3.36E-03	9.18E-03	3.00E-03	8.31E-04	1.64E-03	9.81E-04	6.43E-04	9.11E-04	4.48E-04
185	565548.2	4222579	5.82E-03	7.70E-03	2.76E-03	3.09E-03	8.44E-03	2.76E-03	7.65E-04	1.50E-03	9.03E-04	5.92E-04	8.38E-04	4.12E-04
186	565601.5	4222493	1.15E-02	1.52E-02	5.44E-03	6.08E-03	1.66E-02	5.44E-03	1.51E-03	2.96E-03	1.78E-03	1.17E-03	1.65E-03	8.12E-04
187	565607.8	4222509	1.00E-02	1.33E-02	4.75E-03	5.31E-03	1.45E-02	4.75E-03	1.32E-03	2.59E-03	1.55E-03	1.02E-03	1.44E-03	7.09E-04
188	565601.2	4222524	9.26E-03	1.22E-02	4.39E-03	4.91E-03	1.34E-02	4.39E-03	1.22E-03	2.39E-03	1.44E-03	9.41E-04	1.33E-03	6.55E-04
189	565570.5	4222580	5.90E-03	7.80E-03	2.79E-03	3.13E-03	8.55E-03	2.79E-03	7.74E-04	1.52E-03	9.14E-04	5.99E-04	8.48E-04	4.17E-04
190	565555.2	4222586	5.44E-03	7.19E-03	2.58E-03	2.88E-03	7.88E-03	2.58E-03	7.14E-04	1.40E-03	8.43E-04	5.52E-04	7.82E-04	3.84E-04
191	565540	4222592	4.92E-03	6.50E-03	2.33E-03	2.61E-03	7.13E-03	2.33E-03	6.46E-04	1.27E-03	7.62E-04	5.00E-04	7.07E-04	3.48E-04
192	565611.3	4222493	1.09E-02	1.44E-02	5.17E-03	5.79E-03	1.58E-02	5.17E-03	1.43E-03	2.82E-03	1.69E-03	1.11E-03	1.57E-03	7.72E-04
193	565611.5	4222484	1.15E-02	1.52E-02	5.43E-03	6.08E-03	1.66E-02	5.43E-03	1.51E-03	2.96E-03	1.78E-03	1.17E-03	1.65E-03	8.11E-04
194	565611.7	4222475	1.20E-02	1.59E-02	5.69E-03	6.37E-03	1.74E-02	5.69E-03	1.58E-03	3.10E-03	1.86E-03	1.22E-03	1.73E-03	8.50E-04
195	565617.3	4222510	9.57E-03	1.27E-02	4.54E-03	5.08E-03	1.39E-02	4.54E-03	1.26E-03	2.47E-03	1.48E-03	9.73E-04	1.38E-03	6.77E-04
196	565613.7	4222518	9.22E-03	1.22E-02	4.37E-03	4.89E-03	1.34E-02	4.37E-03	1.21E-03	2.38E-03	1.43E-03	9.37E-04	1.33E-03	6.52E-04
197	565606.5	4222535	8.43E-03	1.11E-02	3.99E-03	4.47E-03	1.22E-02	3.99E-03	1.11E-03	2.18E-03	1.31E-03	8.56E-04	1.21E-03	5.96E-04
198	565599.3	4222551	7.54E-03	9.97E-03	3.57E-03	4.00E-03	1.09E-02	3.57E-03	9.90E-04	1.95E-03	1.17E-03	7.66E-04	1.08E-03	5.33E-04
199	565595.8	4222559	7.08E-03	9.36E-03	3.35E-03	3.75E-03	1.03E-02	3.35E-03	9.30E-04	1.83E-03	1.10E-03	7.20E-04	1.02E-03	5.01E-04
200	565576.6	4222587	5.49E-03	7.26E-03	2.60E-03	2.91E-03	7.96E-03	2.60E-03	7.21E-04	1.42E-03	8.51E-04	5.58E-04	7.90E-04	3.88E-04
201	565560	4222594	5.03E-03	6.65E-03	2.38E-03	2.66E-03	7.29E-03	2.38E-03	6.60E-04	1.30E-03	7.79E-04	5.11E-04	7.23E-04	3.55E-04
202	565551.7	4222597	4.77E-03	6.31E-03	2.26E-03	2.53E-03	6.91E-03	2.26E-03	6.26E-04	1.23E-03	7.39E-04	4.85E-04	6.86E-04	3.37E-04
203	565621.1	4222493	1.04E-02	1.37E-02	4.92E-03	5.51E-03	1.51E-02	4.92E-03	1.36E-03	2.69E-03	1.61E-03	1.06E-03	1.50E-03	7.35E-04
204	565621.3	4222484	1.09E-02	1.44E-02	5.16E-03	5.77E-03	1.58E-02	5.16E-03	1.43E-03	2.81E-03	1.69E-03	1.11E-03	1.57E-03	7.70E-04
205	565621.6	4222475	1.14E-02	1.50E-02	5.38E-03	6.02E-03	1.65E-02	5.38E-03	1.49E-03	2.93E-03	1.76E-03	1.15E-03	1.63E-03	8.03E-04
206	565627.2	4222510	9.17E-03	1.21E-02	4.35E-03	4.86E-03	1.33E-02	4.35E-03	1.20E-03	2.37E-03	1.42E-03	9.32E-04	1.32E-03	6.49E-04
207	565620.1	4222526	8.55E-03	1.13E-02	4.05E-03	4.53E-03	1.24E-02	4.05E-03	1.12E-03	2.21E-03	1.32E-03	8.69E-04	1.23E-03	6.04E-04
208	565613	4222543	7.81E-03	1.03E-02	3.70E-03	4.14E-03	1.13E-02	3.70E-03	1.03E-03	2.02E-03	1.21E-03	7.93E-04	1.12E-03	5.52E-04
209	565606	4222559	7.00E-03	9.26E-03	3.32E-03	3.71E-03	1.01E-02	3.32E-03	9.19E-04	1.81E-03	1.09E-03	7.11E-04	1.01E-03	4.95E-04
210	565567.2	4222601	4.73E-03	6.25E-03	2.24E-03	2.51E-03	6.85E-03	2.24E-03	6.21E-04	1.22E-03	7.33E-04	4.80E-04	6.80E-04	3.34E-04
211	565550.8	4222607	4.26E-03	5.63E-03	2.02E-03	2.26E-03	6.17E-03	2.02E-03	5.59E-04	1.10E-03	6.60E-04	4.33E-04	6.12E-04	3.01E-04
212	565630.8	4222502	9.45E-03	1.25E-02	4.48E-03	5.01E-03	1.37E-02	4.48E-03	1.24E-03	2.44E-03	1.47E-03	9.61E-04	1.36E-03	6.69E-04
213	565631	4222493	9.90E-03	1.31E-02	4.69E-03	5.25E-03	1.44E-02	4.69E-03	1.30E-03	2.56E-03	1.54E-03	1.01E-03	1.42E-03	7.00E-04
214	565631.2	4222484	1.03E-02	1.37E-02	4.90E-03	5.48E-03	1.50E-02	4.90E-03	1.36E-03	2.67E-03	1.60E-03	1.05E-03	1.49E-03	7.31E-04
215	565631.4	4222475	1.08E-02	1.42E-02	5.10E-03	5.70E-03	1.56E-02	5.10E-03	1.41E-03	2.78E-03	1.67E-03	1.09E-03	1.55E-03	7.61E-04
216	565637.1	4222510	8.80E-03	1.16E-02	4.17E-03	4.67E-03	1.28E-02	4.17E-03	1.16E-03	2.27E-03	1.36E-03	8.95E-04	1.27E-03	6.23E-04
217	565630.1	4222526	8.25E-03	1.09E-02	3.91E-03	4.37E-03	1.20E-02	3.91E-03	1.08E-03	2.13E-03	1.28E-03	8.38E-04	1.19E-03	5.83E-04
218	565623.1	4222542	7.60E-03	1.01E-02	3.60E-03	4.03E-03	1.10E-02	3.60E-03	9.98E-04	1.96E-03	1.18E-03	7.72E-04	1.09E-03	5.37E-04
219	565616.1	4222558	6.89E-03	9.12E-03	3.27E-03	3.66E-03	9.99E-03	3.27E-03	9.05E-04	1.78E-03	1.07E-03	7.01E-04	9.92E-04	4.88E-04
220	565602.1	4222590	5.38E-03	7.11E-03	2.55E-03	2.85E-03	7.79E-03	2.55E-03	7.06E-04	1.39E-03	8.33E-04	5.46E-04	7.73E-04	3.80E-04
221	565590.6	4222601	4.84E-03	6.40E-03	2.29E-03	2.56E-03	7.01E-03	2.29E-03	6.35E-04	1.25E-03	7.50E-04	4.92E-04	6.96E-04	3.42E-04
222	565574.4	4222608	4.46E-03	5.89E-03	2.11E-03	2.36E-03	6.46E-03	2.11E-03	5.85E-04	1.15E-03	6.91E-04	4.53E-04	6.41E-04	3.15E-04
223	565558.2	4222614	4.03E-03	5.33E-03	1.91E-03	2.14E-03	5.85E-03	1.91E-03	5.30E-04	1.04E-03	6.25E-04	4.10E-04	5.80E-04	2.85E-04
224	565542	4222621	3.59E-03	4.75E-03	1.70E-03	1.90E-03	5.20E-03	1.70E-03	4.71E-04	9.27E-04	5.57E-04	3.65E-04	5.16E-04	2.54E-04
225	565640.8	4222493	9.44E-03	1.25E-02	4.47E-03	5.01E-03	1.37E-02	4.47E-03	1.24E-03	2.44E-03	1.46E-03	9.60E-04	1.36E-03	6.68E-04
226	565641	4222484	9.83E-03	1.30E-02	4.66E-03	5.21E-03	1.43E-02	4.66E-03	1.29E-03	2.54E-03	1.52E-03	9.99E-04	1.41E-03	6.95E-04
227	565641.2	4222475	1.02E-02	1.35E-02	4.83E-03	5.41E-03	1.48E-02	4.83E-03	1.34E-03	2.64E-03	1.58E-03	1.04E-03	1.47E-03	7.22E-04
228	565647	4222511	8.45E-03	1.12E-02	4.00E-03	4.48E-03	1.22E-02	4.00E-03	1.11E-03	2.18E-03	1.31E-03	8.58E-04	1.22E-03	5.97E-04
229	565640.1	4222526	7.97E-03	1.05E-02	3.77E-03	4.22E-03	1.15E-02	3.77E-03	1.05E-03	2.06E-03	1.23E-03	8.10E-04	1.15E-03	5.63E-04
230	565633.1	4222542	7.40E-03	9.78E-03	3.50E-03	3.92E-03	1.07E-02	3.50E-03	9.71E-04	1.91E-03	1.15E-03	7.52E-04	1.06E-03	5.23E-04
231	565626.2	4222558	6.76E-03	8.94E-03	3.20E-03	3.58E-03	9.80E-03	3.20E-03	8.88E-04	1.75E-03	1.05E-03	6.87E-04	9.73E-04	4.78E-04
232	565612.4	4222589	5.39E-03	7.13E-03	2.56E-03	2.86E-03	7.82E-03	2.56E-03	7.08E-04	1.39E-03	8.36E-04	5.48E-04	7.76E-04	3.81E-04
233	565597.5	4222608	4.56E-03	6.03E-03	2.16E-03	2.42E-03	6.61E-03	2.16E-03	5.99E-04	1.18E-03	7.07E-04	4.63E-04	6.56E-04	3.22E-04
234	565565.5	4222621	3.83E-03	5.06E-03	1.81E-03	2.03E-03	5.55E-03	1.81E-03	5.03E-04	9.89E-04	5.93E-04	3.89E-04	5.50E-04	2.71E-04
235	565549.5	4222628	3.43E-03	4.53E-03	1.62E-03	1.82E-03	4.97E-03	1.62E-03	4.50E-04	8.85E-04	5.31E-04	3.48E-04	4.93E-04	2.42E-04
236	565533.5	4222634	3.03E-03	4.00E-03	1.43E-03	1.61E-03	4.39E-03	1.43E-03	3.98E-04	7.82E-04	4.69E-04	3.08E-04	4.36E-04	2.14E-04
237	565650.6	4222494	9.01E-03	1.19E-02	4.27E-03	4.78E-03	1.31E-02	4.27E-03	1.18E-03	2.33E-03	1.40E-03	9.15E-04	1.30E-03	6.37E-04
238	565650.9	4222485	9.35E-03	1.24E-02	4.43E-03	4.96E-03	1.36E-02	4.43E-03	1.23E-03	2.42E-03	1.45E-03	9.50E-04	1.35E-03	6.61E-04
239	565651.1	4222476	9.68E-03	1.28E-02	4.58E-03	5.13E-03	1.40E-02	4.58E-03	1.27E-03	2.50E-03	1.50E-03	9.83E-04	1.39E-03	6.84E-04
240	565656.8	4222511	8.10E-03	1.07E-02	3.84E-03	4.30E-03	1.17E-02	3.84E-03	1.06E-03	2.09E-03	1.26E-03	8.23E-04	1.17E-03	5.73E-04
241	565650	4222526	7.69E-03	1.02E-02	3.64E-03	4.08E-03	1.11E-02	3.64E-03	1.01E-03	1.99E-03	1.19E-03	7.81E-04	1.11E-03	5.44E-04
242	565643.1	4222542	7.19E-03	9.51E-03	3.41E-03	3.81E-03	1.04E-02	3.41E-03	9.44E-04	1.86E-03	1.11E-03	7.31E-04	1.03E-03	5.09E-04
243	565636.3	4222558	6.63E-03	8.76E-03	3.14E-03	3.51E-03	9.61E-03	3.14E-03	8.70E-04	1.71E-03	1.03E-03	6.73E-04	9.53E-04	4.69E-04
244	565622.6	4222589	5.38E-03	7.11E-03	2.55E-03	2.85E-03	7.79E-03	2.55E-03	7.06E-04	1.39E-03	8.33E-04	5.46E-04	7.73E-04	3.80E-04
245	565615.7	4222605	4.75E-03	6.29E-03	2.25E-03	2.52E-03	6.89E-03	2.25E-03	6.24E-04	1.23E-03	7.37E-04	4.83E-04	6.84E-04	3.36E-04
246	565604.4	4222616	4.30E-03	5.69E-03	2.04E-03	2.28E-03	6.24E-03	2.04E-03	5.65E-04	1.11E-03	6.67E-04	4.37E-04	6.19E-04	3.04E-04
247	565572.7	4222628	3.64E-03	4.81E-03	1.72E-03	1.93E-03	5.27E-03	1.72E-03	4.78E-04	9.39E-04	5.64E-04	3.70E-04	5.23E-04	2.57E-04
248	565556.9	4222634	3.27E-03	4.33E-03	1.55E-03	1.73E-03	4.74E-03	1.55E-03	4.30E-04	8.45E-04	5.07E-04	3.32E-04	4.70E-04	2.31E-04
249	565541	4222641	2.91E-03	3.85E-03	1.38E-03	1.54E-03	4.22E-03	1.38E-03	3.82E-04	7.51E-04	4.51E-04	2.96E-04	4.18E-04	2.06E-04
250	565660.5	4222494	8.59E-03	1.14E-02	4.07E-03	4.55E-03	1.25E-02	4.07E-03	1.13E-03	2.22E-03	1.33E-03	8.73E-04	1.24E-03	6.08E-04
251	565660.7	4222485	8.89E-03	1.18E-02	4.21E-03	4.72E-03	1.29E-02	4.21E-03	1.17E-03	2.30E-03	1.38E-03	9.04E-04	1.28E-03	6.29E-04
252	565660.9	4222476	9.19E-03	1.21E-02	4.35E-03	4.87E-03	1.33E-02	4.35E-03	1.21E-03	2.37E-03	1.42E-03	9.33E-04	1.32E-03	6.50E-04
253	565666.7	4222511	7.77E-03	1.03E-02	3.68E-03	4.12E-03	1.13E-02	3.68E-03	1.02E-03	2.01E-03	1.20E-03	7.90E-04	1.12E-03	5.50E-04
254	565659.9	4222526	7.42E-03	9.81E-03	3.51E-03	3.93E-03	1.08E-02	3.51E-03	9.74E-04	1.92E-03	1.15E-03	7.54E-04	1.07E-03	5.25E-04
255	565653.1	4222542	6.98E-03	9.24E-03	3.31E-03	3.70E-03	1.01E-02	3.31E-03	9.17E-04	1.80E-03	1.08E-03	7.10E-04	1.00E-03	4.94E-04
256	565646.3	4222557	6.48E-03	8.57E-03	3.07E-03	3.44E-03	9.40E-03	3.07E-03	8.51E-04	1.67E-03	1.00E-03	6.59E-04	9.32E-04	4.58E-04
257	565632.7	4222588	5.35E-03	7.07E-03	2.53E-03	2.84E-03	7.76E-03	2.53E-03	7.03E-04	1.38E-03	8.29E-04	5.44E-04	7.70E-04	3.78E-04
258	565626	4222604	4.76E-03	6.30E-03	2.26E-03	2.53E-03	6.91E-03	2.26E-03	6.26E-04	1.23E-03	7.38E-04	4.84E-04	6.85E-04	3.37E-04
259	565611.3	4222623	4.07E-03	5.39E-03	1.93E-03	2.16E-03	5.90E-03	1.93E-03	5.35E-04	1.05E-03	6.31E-04	4.14E-04	5.86E-04	2.88E-04
260	565595.6	4222629	3.78E-03	5.00E-03	1.79E-03	2.00E-03	5.48E-03	1.79E-03	4.96E-04	9.76E-04	5.86E-04	3.84E-04	5.44E-04	2.67E-04
261	565564.2	4222641	3.12E-03	4.13E-03	1.48E-03	1.66E-03	4.53E-03	1.48E-03	4.10E-04	8.07E-04	4.84E-04	3.18E-04	4.49E-04	2.21E-04
262	565548.5	4222648	2.79E-03	3.69E-03	1.32E-03	1.48E-03	4.05E-03	1.32E-03	3.67E-04	7.22E-04	4.33E-04	2.84E-04	4.02E-04	1.98E-04
263	565532.7	4222654	2.48E-03	3.28E-03	1.17E-03	1.31E-03	3.59E-03	1.17E-03	3.25E-04	6.40E-04	3.84E-04	2.52E-04	3.56E-04	1.75E-04
264	565670.3	4222494	8.20E-03	1.08E-02	3.88E-03	4.35E-03	1.19E-02	3.88E-03	1.08E-03	2.12E-03	1.27E-03	8.33E-04	1.18E-03	5.80E-04
265	565670.5	4222485	8.47E-03	1.12E-02	4.01E-03	4.49E-03	1.23E-02	4.01E-03	1.11E-03	2.19E-03	1.31E-03	8.60E-04	1.22E-03	5.99E-04
266	565670.7	4222476	8.72E-03	1.15E-02	4.13E-03	4.63E-03	1.26E-02	4.13E-03	1.15E-03	2.25E-03	1.35E-03	8.87E-04	1.25E-03	6.17E-04
267	565676.3	4222512	7.45E-03	9.85E-03	3.53E-03	3.95E-03	1.08E-02	3.53E-03	9.78E-04	1.92E-03	1.15E-03	7.57E-04	1.07E-03	5.27E-04
268	565672.7	4222520	7.30E-03	9.65E-03	3.46E-03	3.87E-03	1.06E-02	3.46E-03	9.58E-04	1.88E-03	1.13E-03	7.41E-04	1.05E-03	5.16E-04
269	565665.6	4222536	6.92E-03	9.16E-03	3.28E-03	3.67E-03	1.00E-02	3.28E-03	9.09E-04	1.79E-03	1.07E-03	7.04E-04	9.96E-04	4.90E-04
270	565662	4222544	6.71E-03	8.87E-03	3.18E-03	3.56E-03	9.72E-03	3.18E-03	8.81E-04	1.73E-03	1.04E-03	6.82E-04	9.65E-04	4.74E-04

271	565640.4	4222594	5.11E-03	6.76E-03	2.42E-03	2.71E-03	7.41E-03	2.42E-03	6.71E-04	1.32E-03	7.92E-04	5.19E-04	7.35E-04	3.61E-04
272	565636.8	4222602	4.82E-03	6.37E-03	2.28E-03	2.56E-03	6.99E-03	2.28E-03	6.33E-04	1.25E-03	7.47E-04	4.90E-04	6.93E-04	3.41E-04
273	565629.6	4222618	4.25E-03	5.62E-03	2.01E-03	2.25E-03	6.16E-03	2.01E-03	5.58E-04	1.10E-03	6.59E-04	4.32E-04	6.11E-04	3.01E-04
274	565617.7	4222630	3.85E-03	5.09E-03	1.82E-03	2.04E-03	5.58E-03	1.82E-03	5.06E-04	9.95E-04	5.97E-04	3.91E-04	5.54E-04	2.72E-04
275	565601	4222636	3.56E-03	4.71E-03	1.69E-03	1.89E-03	5.16E-03	1.69E-03	4.68E-04	9.20E-04	5.52E-04	3.62E-04	5.12E-04	2.52E-04
276	565592.7	4222640	3.40E-03	4.50E-03	1.61E-03	1.81E-03	4.94E-03	1.61E-03	4.47E-04	8.80E-04	5.28E-04	3.46E-04	4.90E-04	2.41E-04
277	565559.5	4222653	2.75E-03	3.64E-03	1.30E-03	1.46E-03	3.99E-03	1.30E-03	3.62E-04	7.11E-04	4.27E-04	2.80E-04	3.96E-04	1.95E-04
278	565551.1	4222656	2.60E-03	3.43E-03	1.23E-03	1.38E-03	3.76E-03	1.23E-03	3.41E-04	6.70E-04	4.02E-04	2.64E-04	3.73E-04	1.84E-04
279	565534.5	4222663	2.29E-03	3.03E-03	1.09E-03	1.21E-03	3.32E-03	1.09E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.29E-04	1.62E-04
280	565680.1	4222494	7.83E-03	1.04E-02	3.71E-03	4.15E-03	1.14E-02	3.71E-03	1.03E-03	2.02E-03	1.21E-03	7.96E-04	1.13E-03	5.54E-04
281	565680.4	4222485	8.07E-03	1.07E-02	3.82E-03	4.28E-03	1.17E-02	3.82E-03	1.06E-03	2.08E-03	1.25E-03	8.20E-04	1.16E-03	5.70E-04
282	565680.6	4222476	8.29E-03	1.10E-02	3.93E-03	4.40E-03	1.20E-02	3.93E-03	1.09E-03	2.14E-03	1.29E-03	8.43E-04	1.19E-03	5.87E-04
283	565686.2	4222512	7.15E-03	9.46E-03	3.39E-03	3.79E-03	1.04E-02	3.39E-03	9.39E-04	1.85E-03	1.11E-03	7.27E-04	1.03E-03	5.06E-04
284	565679.1	4222528	6.87E-03	9.09E-03	3.26E-03	3.64E-03	9.96E-03	3.26E-03	9.02E-04	1.78E-03	1.07E-03	6.98E-04	9.88E-04	4.86E-04
285	565657.7	4222577	5.60E-03	7.40E-03	2.65E-03	2.97E-03	8.11E-03	2.65E-03	7.35E-04	1.45E-03	8.68E-04	5.69E-04	8.05E-04	3.96E-04
286	565654.2	4222585	5.34E-03	7.06E-03	2.53E-03	2.83E-03	7.74E-03	2.53E-03	7.01E-04	1.38E-03	8.28E-04	5.43E-04	7.68E-04	3.78E-04
287	565647.1	4222601	4.81E-03	6.37E-03	2.28E-03	2.55E-03	6.98E-03	2.28E-03	6.32E-04	1.24E-03	7.46E-04	4.89E-04	6.92E-04	3.40E-04
288	565640	4222617	4.28E-03	5.67E-03	2.03E-03	2.27E-03	6.21E-03	2.03E-03	5.63E-04	1.11E-03	6.64E-04	4.35E-04	6.16E-04	3.03E-04
289	565624.6	4222637	3.65E-03	4.82E-03	1.73E-03	1.93E-03	5.29E-03	1.73E-03	4.79E-04	9.43E-04	5.66E-04	3.71E-04	5.25E-04	2.58E-04
290	565608.1	4222643	3.39E-03	4.48E-03	1.61E-03	1.80E-03	4.91E-03	1.61E-03	4.45E-04	8.75E-04	5.25E-04	3.44E-04	4.87E-04	2.40E-04
291	565591.7	4222650	3.10E-03	4.09E-03	1.47E-03	1.64E-03	4.49E-03	1.47E-03	4.07E-04	8.00E-04	4.80E-04	3.15E-04	4.45E-04	2.19E-04
292	565558.8	4222663	2.50E-03	3.31E-03	1.19E-03	1.33E-03	3.63E-03	1.19E-03	3.29E-04	6.46E-04	3.88E-04	2.54E-04	3.60E-04	1.77E-04
293	565542.3	4222670	2.22E-03	2.94E-03	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.92E-04	5.74E-04	3.44E-04	2.26E-04	3.19E-04	1.57E-04
294	565689.8	4222504	7.26E-03	9.60E-03	3.44E-03	3.85E-03	1.05E-02	3.44E-03	9.54E-04	1.88E-03	1.13E-03	7.38E-04	1.04E-03	5.14E-04
295	565690	4222495	7.48E-03	9.90E-03	3.55E-03	3.97E-03	1.08E-02	3.55E-03	9.83E-04	1.93E-03	1.16E-03	7.60E-04	1.08E-03	5.29E-04
296	565690.2	4222486	7.69E-03	1.02E-02	3.64E-03	4.08E-03	1.12E-02	3.64E-03	1.01E-03	1.99E-03	1.19E-03	7.82E-04	1.11E-03	5.44E-04
297	565690.4	4222477	7.89E-03	1.04E-02	3.74E-03	4.19E-03	1.14E-02	3.74E-03	1.04E-03	2.04E-03	1.22E-03	8.02E-04	1.14E-03	5.58E-04
298	565696.1	4222512	6.87E-03	9.08E-03	3.25E-03	3.64E-03	9.95E-03	3.25E-03	9.02E-04	1.77E-03	1.06E-03	6.98E-04	9.88E-04	4.86E-04
299	565674.9	4222560	5.94E-03	7.85E-03	2.81E-03	3.15E-03	8.61E-03	2.81E-03	7.80E-04	1.53E-03	9.20E-04	6.03E-04	8.54E-04	4.20E-04
300	565667.9	4222576	5.50E-03	7.28E-03	2.61E-03	2.92E-03	7.98E-03	2.61E-03	7.23E-04	1.42E-03	8.53E-04	5.59E-04	7.92E-04	3.89E-04
301	565660.8	4222592	5.03E-03	6.65E-03	2.38E-03	2.67E-03	7.29E-03	2.38E-03	6.61E-04	1.30E-03	7.80E-04	5.11E-04	7.24E-04	3.56E-04
302	565653.8	4222608	4.54E-03	6.01E-03	2.15E-03	2.41E-03	6.59E-03	2.15E-03	5.97E-04	1.17E-03	7.04E-04	4.62E-04	6.54E-04	3.21E-04
303	565646.7	4222625	4.06E-03	5.36E-03	1.92E-03	2.15E-03	5.88E-03	1.92E-03	5.33E-04	1.05E-03	6.29E-04	4.12E-04	5.83E-04	2.87E-04
304	565631.5	4222644	3.47E-03	4.59E-03	1.64E-03	1.84E-03	5.03E-03	1.64E-03	4.56E-04	8.96E-04	5.38E-04	3.53E-04	4.99E-04	2.45E-04
305	565615.2	4222650	3.23E-03	4.27E-03	1.53E-03	1.71E-03	4.68E-03	1.53E-03	4.24E-04	8.34E-04	5.00E-04	3.28E-04	4.64E-04	2.28E-04
306	565598.9	4222657	2.96E-03	3.91E-03	1.40E-03	1.57E-03	4.29E-03	1.40E-03	3.89E-04	7.64E-04	4.59E-04	3.01E-04	4.26E-04	2.09E-04
307	565566.3	4222670	2.41E-03	3.19E-03	1.14E-03	1.28E-03	3.49E-03	1.14E-03	3.17E-04	6.23E-04	3.74E-04	2.45E-04	3.47E-04	1.70E-04
308	565550	4222676	2.15E-03	2.84E-03	1.02E-03	1.14E-03	3.12E-03	1.02E-03	2.82E-04	5.56E-04	3.33E-04	2.19E-04	3.09E-04	1.52E-04
309	565533.7	4222683	1.91E-03	2.53E-03	9.06E-04	1.01E-03	2.77E-03	9.06E-04	2.51E-04	4.94E-04	2.96E-04	1.94E-04	2.75E-04	1.35E-04
310	565699.8	4222495	7.16E-03	9.46E-03	3.39E-03	3.79E-03	1.04E-02	3.39E-03	9.40E-04	1.85E-03	1.11E-03	7.27E-04	1.03E-03	5.06E-04
311	565700	4222486	7.34E-03	9.71E-03	3.48E-03	3.89E-03	1.06E-02	3.48E-03	9.64E-04	1.90E-03	1.14E-03	7.46E-04	1.06E-03	5.19E-04
312	565700.3	4222477	7.52E-03	9.94E-03	3.56E-03	3.99E-03	1.09E-02	3.56E-03	9.87E-04	1.94E-03	1.17E-03	7.64E-04	1.08E-03	5.32E-04
313	565692	4222544	6.12E-03	8.10E-03	2.90E-03	3.25E-03	8.88E-03	2.90E-03	8.04E-04	1.58E-03	9.49E-04	6.22E-04	8.81E-04	4.33E-04
314	565685	4222560	5.79E-03	7.65E-03	2.74E-03	3.07E-03	8.39E-03	2.74E-03	7.60E-04	1.50E-03	8.97E-04	5.88E-04	8.32E-04	4.09E-04
315	565678	4222576	5.40E-03	7.14E-03	2.56E-03	2.86E-03	7.83E-03	2.56E-03	7.09E-04	1.40E-03	8.37E-04	5.49E-04	7.77E-04	3.82E-04
316	565671	4222592	4.97E-03	6.58E-03	2.36E-03	2.64E-03	7.21E-03	2.36E-03	6.53E-04	1.28E-03	7.71E-04	5.05E-04	7.15E-04	3.52E-04
317	565664	4222608	4.52E-03	5.98E-03	2.14E-03	2.40E-03	6.56E-03	2.14E-03	5.94E-04	1.17E-03	7.01E-04	4.60E-04	6.51E-04	3.20E-04
318	565657	4222624	4.07E-03	5.38E-03	1.93E-03	2.16E-03	5.90E-03	1.93E-03	5.34E-04	1.05E-03	6.31E-04	4.14E-04	5.85E-04	2.88E-04
319	565650	4222640	3.62E-03	4.79E-03	1.72E-03	1.92E-03	5.25E-03	1.72E-03	4.76E-04	9.36E-04	5.62E-04	3.68E-04	5.21E-04	2.56E-04
320	565638.4	4222651	3.30E-03	4.37E-03	1.56E-03	1.75E-03	4.79E-03	1.56E-03	4.34E-04	8.53E-04	5.12E-04	3.36E-04	4.75E-04	2.34E-04
321	565622.3	4222657	3.07E-03	4.06E-03	1.46E-03	1.63E-03	4.45E-03	1.46E-03	4.03E-04	7.93E-04	4.76E-04	3.12E-04	4.42E-04	2.17E-04
322	565606.1	4222664	2.83E-03	3.74E-03	1.34E-03	1.50E-03	4.10E-03	1.34E-03	3.72E-04	7.31E-04	4.39E-04	2.88E-04	4.07E-04	2.00E-04
323	565589.9	4222670	2.57E-03	3.41E-03	1.22E-03	1.37E-03	3.73E-03	1.22E-03	3.38E-04	6.65E-04	3.99E-04	2.62E-04	3.70E-04	1.82E-04
324	565557.6	4222683	2.08E-03	2.75E-03	9.86E-04	1.10E-03	3.02E-03	9.86E-04	2.73E-04	5.38E-04	3.23E-04	2.12E-04	2.99E-04	1.47E-04
325	565541.4	4222690	1.86E-03	2.46E-03	8.81E-04	9.86E-04	2.70E-03	8.81E-04	2.44E-04	4.80E-04	2.88E-04	1.89E-04	2.67E-04	1.31E-04
326	565709.7	4222495	6.85E-03	9.06E-03	3.24E-03	3.63E-03	9.93E-03	3.24E-03	8.99E-04	1.77E-03	1.06E-03	6.96E-04	9.85E-04	4.84E-04
327	565709.9	4222486	0.007014	0.009276	3.32E-03	3.72E-03	1.02E-02	3.32E-03	9.21E-04	1.81E-03	1.09E-03	7.13E-04	1.01E-03	4.96E-04
328	565710.1	4222477	0.007172	0.009485	3.40E-03	3.80E-03	1.04E-02	3.40E-03	9.42E-04	1.85E-03	1.11E-03	7.29E-04	1.03E-03	5.07E-04
329	565708.9	4222528	0.006165	0.008153	2.92E-03	3.27E-03	8.94E-03	2.92E-03	8.10E-04	1.59E-03	9.56E-04	6.26E-04	8.87E-04	4.36E-04
330	565701.9	4222544	0.005931	0.007843	2.81E-03	3.14E-03	8.60E-03	2.81E-03	7.79E-04	1.53E-03	9.19E-04	6.03E-04	8.53E-04	4.19E-04
331	565695	4222560	0.005635	0.007452	2.67E-03	2.99E-03	8.17E-03	2.67E-03	7.40E-04	1.46E-03	8.74E-04	5.73E-04	8.11E-04	3.99E-04
332	565688.1	4222576	0.00529	0.006996	2.51E-03	2.80E-03	7.67E-03	2.51E-03	6.95E-04	1.37E-03	8.20E-04	5.38E-04	7.61E-04	3.74E-04
333	565681.1	4222591	0.004904	0.006485	2.32E-03	2.60E-03	7.11E-03	2.32E-03	6.44E-04	1.27E-03	7.60E-04	4.98E-04	7.05E-04	3.47E-04
334	565674.2	4222607	0.004492	0.00594	2.13E-03	2.38E-03	6.51E-03	2.13E-03	5.90E-04	1.16E-03	6.96E-04	4.56E-04	6.46E-04	3.18E-04
335	565667.2	4222623	0.004069	0.005381	1.93E-03	2.16E-03	5.90E-03	1.93E-03	5.34E-04	1.05E-03	6.31E-04	4.13E-04	5.85E-04	2.88E-04
336	565660.3	4222639	0.00365	0.004827	1.73E-03	1.94E-03	5.29E-03	1.73E-03	4.79E-04	9.43E-04	5.66E-04	3.71E-04	5.25E-04	2.58E-04
337	565645.3	4222658	0.003149	0.004165	1.49E-03	1.67E-03	4.57E-03	1.49E-03	4.14E-04	8.14E-04	4.88E-04	3.20E-04	4.53E-04	2.23E-04
338	565629.3	4222664	0.002934	0.00388	1.39E-03	1.56E-03	4.25E-03	1.39E-03	3.85E-04	7.58E-04	4.55E-04	2.98E-04	4.22E-04	2.07E-04
339	565613.2	4222671	0.002713	0.003588	1.29E-03	1.44E-03	3.93E-03	1.29E-03	3.56E-04	7.01E-04	4.21E-04	2.76E-04	3.90E-04	1.92E-04
340	565597.2	4222677	0.002476	0.003275	1.17E-03	1.31E-03	3.59E-03	1.17E-03	3.25E-04	6.40E-04	3.84E-04	2.52E-04	3.56E-04	1.75E-04
341	565565.1	4222690	0.002016	0.002666	9.55E-04	1.07E-03	2.92E-03	9.55E-04	2.65E-04	5.21E-04	3.13E-04	2.05E-04	2.90E-04	1.43E-04
342	565549	4222696	0.001806	0.002389	8.56E-04	9.58E-04	2.62E-03	8.56E-04	2.37E-04	4.67E-04	2.80E-04	1.84E-04	2.60E-04	1.28E-04
343	565719.7	4222486	0.006708	0.008871	3.18E-03	3.56E-03	9.73E-03	3.18E-03	8.81E-04	1.73E-03	1.04E-03	6.82E-04	9.65E-04	4.74E-04
344	565719.9	4222477	0.006848	0.009056	3.24E-03	3.63E-03	9.93E-03	3.24E-03	8.99E-04	1.77E-03	1.06E-03	6.96E-04	9.85E-04	4.84E-04
345	565725.5	4222513	0.006092	0.008057	2.89E-03	3.23E-03	8.83E-03	2.89E-03	8.00E-04	1.57E-03	9.44E-04	6.19E-04	8.76E-04	4.31E-04
346	565718.2	4222529	0.005933	0.007846	2.81E-03	3.15E-03	8.60E-03	2.81E-03	7.79E-04	1.53E-03	9.20E-04	6.03E-04	8.53E-04	4.20E-04
347	565711	4222546	0.005712	0.007554	2.71E-03	3.03E-03	8.28E-03	2.71E-03	7.50E-04	1.48E-03	8.86E-04	5.81E-04	8.22E-04	4.04E-04
348	565707.4	4222554	0.005577	0.007376	2.64E-03	2.96E-03	8.09E-03	2.64E-03	7.32E-04	1.44E-03	8.65E-04	5.67E-04	8.02E-04	3.94E-04
349	565700.1	4222571	0.005268	0.006967	2.50E-03	2.79E-03	7.64E-03	2.50E-03	6.92E-04	1.36E-03	8.17E-04	5.35E-04	7.58E-04	3.73E-04
350	565692.8	4222587	0.004911	0.006495	2.33E-03	2.60E-03	7.12E-03	2.33E-03	6.45E-04	1.27E-03	7.61E-04	4.99E-04	7.06E-04	3.47E-04
351	565685.6	4222604	0.00452	0.005977	2.14E-03	2.40E-03	6.55E-03	2.14E-03	5.94E-04	1.17E-03	7.01E-04	4.59E-04	6.50E-04	3.20E-04
352	565678.3	4222620	0.004109	0.005434	1.95E-03	2.18E-03	5.96E-03	1.95E-03	5.40E-04	1.06E-03	6.37E-04	4.18E-04	5.91E-04	2.91E-04
353	565671.1	4222637	0.003694	0.004885	1.75E-03	1.96E-03	5.35E-03	1.75E-03	4.85E-04	9.54E-04	5.73E-04	3.75E-04	5.31E-04	2.61E-04
354	565667.5	4222645	0.003491	0.004616	1.65E-03	1.85E-03	5.06E-03	1.65E-03	4.58E-04	9.02E-04	5.41E-04	3.55E-04	5.02E-04	2.47E-04
355	565651.8	4222665	0.003	0.003968	1.42E-03	1.59E-03	4.35E-03	1.42E-03	3.94E-04	7.75E-04	4.65E-04	3.05E-04	4.32E-04	2.12E-04
356	565643.4	4222669	0.002899	0.003834	1.37E-03	1.54E-03	4.20E-03	1.37E-03	3.81E-04	7.49E-04	4.49E-04	2.95E-04	4.17E-04	2.05E-04
357	565635	4222672	0.002792	0.003692	1.32E-03	1.48E-03	4.05E-03	1.32E-03	3.67E-04	7.21E-04	4.33E-04	2.84E-04	4.02E-04	1.97E-04
358	565618.2	4222679	0.002575	0.003405	1.22E-03	1.36E-03	3.73E-03	1.22E-03	3.38E-04	6.65E-04	3.99E-04	2.62E-04	3.70E-04	1.82E-04
359	565609.9	4222682	0.002459	0.003252	1.17E-03	1.30E-03	3.57E-03	1.17E-03	3.23E-04	6.35E-04	3.81E-04	2.50E-04	3.54E-04	1.74E-04
360	565601.5	4222685	0.002343	0.003099	1.11E-03	1.24E-03	3.40E-03	1.11E-03	3.08E-04	6.05E-04	3.63E-04	2.38E-04	3.37E-04	1.66E-04
361	565584.7	4222692	0.002114	0.002796	1.00E-03	1.12E-03	3.06E-03	1.00E-03	2.78E-04	5.46E-04	3.28E-04	2.15E-04	3.04E-04	1.49E-04

362	565559.5	4222702	0.001792	0.00237	8.49E-04	9.50E-04	2.60E-03	8.49E-04	2.35E-04	4.63E-04	2.78E-04	1.82E-04	2.58E-04	1.27E-04
363	565551.1	4222705	0.001694	0.00224	8.02E-04	8.98E-04	2.46E-03	8.02E-04	2.22E-04	4.38E-04	2.63E-04	1.72E-04	2.44E-04	1.20E-04
364	565729.8	4222477	0.006543	0.008654	3.10E-03	3.47E-03	9.49E-03	3.10E-03	8.59E-04	1.69E-03	1.01E-03	6.65E-04	9.41E-04	4.63E-04
365	565735.4	4222513	0.005982	0.007911	2.83E-03	3.17E-03	8.67E-03	2.83E-03	7.86E-04	1.55E-03	9.27E-04	6.08E-04	8.61E-04	4.23E-04
366	565728.2	4222529	0.005725	0.007571	2.71E-03	3.04E-03	8.30E-03	2.71E-03	7.52E-04	1.48E-03	8.87E-04	5.82E-04	8.24E-04	4.05E-04
367	565721	4222546	0.005533	0.007318	2.62E-03	2.93E-03	8.02E-03	2.62E-03	7.27E-04	1.43E-03	8.58E-04	5.62E-04	7.96E-04	3.91E-04
368	565713.8	4222562	0.005285	0.00699	2.50E-03	2.80E-03	7.66E-03	2.50E-03	6.94E-04	1.37E-03	8.19E-04	5.37E-04	7.60E-04	3.74E-04
369	565706.6	4222579	0.004988	0.006597	2.36E-03	2.64E-03	7.23E-03	2.36E-03	6.55E-04	1.29E-03	7.73E-04	5.07E-04	7.18E-04	3.53E-04
370	565703	4222587	0.004823	0.006378	2.28E-03	2.56E-03	6.99E-03	2.28E-03	6.33E-04	1.25E-03	7.48E-04	4.90E-04	6.94E-04	3.41E-04
371	565695.8	4222603	0.004467	0.005908	2.12E-03	2.37E-03	6.48E-03	2.12E-03	5.87E-04	1.15E-03	6.93E-04	4.54E-04	6.43E-04	3.16E-04
372	565688.6	4222620	0.00409	0.005409	1.94E-03	2.17E-03	5.93E-03	1.94E-03	5.37E-04	1.06E-03	6.34E-04	4.16E-04	5.88E-04	2.89E-04
373	565685	4222628	0.003819	0.00505	1.81E-03	2.02E-03	5.54E-03	1.81E-03	5.02E-04	9.87E-04	5.92E-04	3.88E-04	5.49E-04	2.70E-04
374	565677.8	4222644	0.003408	0.004507	1.61E-03	1.81E-03	4.94E-03	1.61E-03	4.48E-04	8.80E-04	5.28E-04	3.46E-04	4.90E-04	2.41E-04
375	565625.4	4222686	0.002467	0.003263	1.17E-03	1.31E-03	3.58E-03	1.17E-03	3.24E-04	6.37E-04	3.82E-04	2.51E-04	3.55E-04	1.74E-04
376	565617.1	4222689	0.002368	0.003131	1.12E-03	1.26E-03	3.43E-03	1.12E-03	3.11E-04	6.12E-04	3.67E-04	2.41E-04	3.41E-04	1.67E-04
377	565600.5	4222695	0.002153	0.002847	1.02E-03	1.14E-03	3.12E-03	1.02E-03	2.83E-04	5.56E-04	3.34E-04	2.19E-04	3.10E-04	1.52E-04
378	565592.2	4222699	0.002047	0.002707	9.70E-04	1.09E-03	2.97E-03	9.70E-04	2.69E-04	5.29E-04	3.17E-04	2.08E-04	2.94E-04	1.45E-04
379	565558.9	4222712	0.001653	0.002186	7.83E-04	8.76E-04	2.40E-03	7.83E-04	2.17E-04	4.27E-04	2.56E-04	1.68E-04	2.38E-04	1.17E-04
380	565550.6	4222715	0.001565	0.00207	7.41E-04	8.30E-04	2.27E-03	7.41E-04	2.06E-04	4.04E-04	2.43E-04	1.59E-04	2.25E-04	1.11E-04
381	565745.2	4222513	0.005759	0.007616	2.73E-03	3.05E-03	8.35E-03	2.73E-03	7.56E-04	1.49E-03	8.93E-04	5.85E-04	8.28E-04	4.07E-04
382	565741.6	4222521	0.0057	0.007538	2.70E-03	3.02E-03	8.26E-03	2.70E-03	7.49E-04	1.47E-03	8.84E-04	5.79E-04	8.20E-04	4.03E-04
383	565734.5	4222538	0.00554	0.007326	2.62E-03	2.94E-03	8.03E-03	2.62E-03	7.28E-04	1.43E-03	8.59E-04	5.63E-04	7.97E-04	3.92E-04
384	565730.9	4222546	0.005358	0.007086	2.54E-03	2.84E-03	7.77E-03	2.54E-03	7.04E-04	1.38E-03	8.31E-04	5.45E-04	7.71E-04	3.79E-04
385	565723.8	4222562	0.005142	0.0068	2.44E-03	2.73E-03	7.45E-03	2.44E-03	6.75E-04	1.33E-03	7.97E-04	5.23E-04	7.40E-04	3.64E-04
386	565716.7	4222578	0.004878	0.006451	2.31E-03	2.59E-03	7.07E-03	2.31E-03	6.41E-04	1.26E-03	7.56E-04	4.96E-04	7.02E-04	3.45E-04
387	565709.6	4222595	0.004571	0.006045	2.17E-03	2.42E-03	6.63E-03	2.17E-03	6.00E-04	1.18E-03	7.09E-04	4.65E-04	6.58E-04	3.23E-04
388	565702.4	4222611	0.004199	0.005554	1.99E-03	2.23E-03	6.09E-03	1.99E-03	5.52E-04	1.08E-03	6.51E-04	4.27E-04	6.04E-04	2.97E-04
389	565695.3	4222627	0.003812	0.005041	1.81E-03	2.02E-03	5.53E-03	1.81E-03	5.01E-04	9.85E-04	5.91E-04	3.87E-04	5.48E-04	2.70E-04
390	565665.6	4222679	0.002614	0.003457	1.24E-03	1.39E-03	3.79E-03	1.24E-03	3.43E-04	6.75E-04	4.05E-04	2.66E-04	3.76E-04	1.85E-04
391	565566.6	4222719	0.001613	0.002133	7.64E-04	8.55E-04	2.34E-03	7.64E-04	2.12E-04	4.17E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
392	565550.1	4222725	0.001451	0.001919	6.87E-04	7.69E-04	2.10E-03	6.87E-04	1.91E-04	3.75E-04	2.25E-04	1.47E-04	2.09E-04	1.03E-04
393	565755.1	4222513	0.005545	0.007334	2.63E-03	2.94E-03	8.04E-03	2.63E-03	7.28E-04	1.43E-03	8.60E-04	5.64E-04	7.98E-04	3.92E-04
394	565748	4222530	0.005432	0.007184	2.57E-03	2.88E-03	7.88E-03	2.57E-03	7.13E-04	1.40E-03	8.42E-04	5.52E-04	7.81E-04	3.84E-04
395	565740.9	4222546	0.005268	0.006967	2.50E-03	2.79E-03	7.64E-03	2.50E-03	6.92E-04	1.36E-03	8.17E-04	5.35E-04	7.58E-04	3.73E-04
396	565737.4	4222554	0.005169	0.006836	2.45E-03	2.74E-03	7.49E-03	2.45E-03	6.79E-04	1.34E-03	8.01E-04	5.25E-04	7.44E-04	3.66E-04
397	565730.3	4222570	0.004886	0.006462	2.31E-03	2.59E-03	7.08E-03	2.31E-03	6.42E-04	1.26E-03	7.57E-04	4.97E-04	7.03E-04	3.46E-04
398	565723.2	4222586	0.004631	0.006124	2.19E-03	2.46E-03	6.71E-03	2.19E-03	6.08E-04	1.20E-03	7.18E-04	4.71E-04	6.66E-04	3.27E-04
399	565716.1	4222602	0.004327	0.005722	2.05E-03	2.29E-03	6.27E-03	2.05E-03	5.68E-04	1.12E-03	6.71E-04	4.40E-04	6.22E-04	3.06E-04
400	565694.9	4222651	0.003248	0.004295	1.54E-03	1.72E-03	4.71E-03	1.54E-03	4.26E-04	8.39E-04	5.03E-04	3.30E-04	4.67E-04	2.30E-04
401	565691.3	4222659	0.003071	0.004062	1.46E-03	1.63E-03	4.45E-03	1.46E-03	4.03E-04	7.93E-04	4.76E-04	3.12E-04	4.42E-04	2.17E-04
402	565672.5	4222686	0.002489	0.003292	1.18E-03	1.32E-03	3.61E-03	1.18E-03	3.27E-04	6.43E-04	3.86E-04	2.53E-04	3.58E-04	1.76E-04
403	565656.1	4222693	0.002462	0.003256	1.17E-03	1.31E-03	3.57E-03	1.17E-03	3.23E-04	6.36E-04	3.82E-04	2.50E-04	3.54E-04	1.74E-04
404	565639.8	4222699	0.002285	0.003022	1.08E-03	1.21E-03	3.31E-03	1.08E-03	3.00E-04	5.90E-04	3.54E-04	2.32E-04	3.29E-04	1.62E-04
405	565557.8	4222732	0.001419	0.001876	6.72E-04	7.52E-04	2.06E-03	6.72E-04	1.86E-04	3.66E-04	2.20E-04	1.44E-04	2.04E-04	1.00E-04
406	565764.9	4222514	0.00534	0.007063	2.53E-03	2.83E-03	7.74E-03	2.53E-03	7.01E-04	1.38E-03	8.28E-04	5.43E-04	7.68E-04	3.78E-04
407	565757.9	4222530	0.005243	0.006934	2.48E-03	2.78E-03	7.60E-03	2.48E-03	6.89E-04	1.35E-03	8.13E-04	5.33E-04	7.54E-04	3.71E-04
408	565750.9	4222546	0.0051	0.006744	2.42E-03	2.70E-03	7.39E-03	2.42E-03	6.70E-04	1.32E-03	7.91E-04	5.18E-04	7.34E-04	3.61E-04
409	565743.8	4222562	0.004916	0.006501	2.33E-03	2.61E-03	7.13E-03	2.33E-03	6.46E-04	1.27E-03	7.62E-04	5.00E-04	7.07E-04	3.48E-04
410	565736.8	4222578	0.004688	0.006199	2.22E-03	2.49E-03	6.80E-03	2.22E-03	6.16E-04	1.21E-03	7.27E-04	4.76E-04	6.74E-04	3.32E-04
411	565729.8	4222594	0.004412	0.005835	2.09E-03	2.34E-03	6.40E-03	2.09E-03	5.79E-04	1.14E-03	6.84E-04	4.48E-04	6.35E-04	3.12E-04
412	565708.7	4222642	0.003422	0.004526	1.62E-03	1.81E-03	4.96E-03	1.62E-03	4.49E-04	8.84E-04	5.31E-04	3.48E-04	4.92E-04	2.42E-04
413	565701.6	4222658	0.003082	0.004076	1.46E-03	1.63E-03	4.47E-03	1.46E-03	4.05E-04	7.96E-04	4.78E-04	3.13E-04	4.43E-04	2.18E-04
414	565679.4	4222693	0.002369	0.003133	1.12E-03	1.26E-03	3.44E-03	1.12E-03	3.11E-04	6.12E-04	3.67E-04	2.41E-04	3.41E-04	1.68E-04
415	565663.2	4222700	0.002221	0.002937	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.92E-04	5.74E-04	3.44E-04	2.26E-04	3.19E-04	1.57E-04
416	565646.9	4222706	0.002199	0.002908	1.04E-03	1.17E-03	3.19E-03	1.04E-03	2.89E-04	5.68E-04	3.41E-04	2.23E-04	3.16E-04	1.56E-04
417	565614.3	4222719	0.001856	0.002455	8.79E-04	9.84E-04	2.69E-03	8.79E-04	2.44E-04	4.80E-04	2.88E-04	1.89E-04	2.67E-04	1.31E-04
418	565598	4222726	0.00169	0.002235	8.01E-04	8.96E-04	2.45E-03	8.01E-04	2.22E-04	4.37E-04	2.62E-04	1.72E-04	2.43E-04	1.20E-04
419	565581.8	4222732	0.001533	0.002028	7.26E-04	8.13E-04	2.22E-03	7.26E-04	2.01E-04	3.96E-04	2.38E-04	1.56E-04	2.21E-04	1.08E-04
420	565565.5	4222739	0.001387	0.001834	6.57E-04	7.35E-04	2.01E-03	6.57E-04	1.82E-04	3.58E-04	2.15E-04	1.41E-04	1.99E-04	9.81E-05
421	565769.1	4222478	0.005496	0.007268	2.60E-03	2.91E-03	7.97E-03	2.60E-03	7.22E-04	1.42E-03	8.52E-04	5.58E-04	7.91E-04	3.89E-04
422	565767.8	4222530	0.005061	0.006693	2.40E-03	2.68E-03	7.34E-03	2.40E-03	6.65E-04	1.31E-03	7.85E-04	5.14E-04	7.28E-04	3.58E-04
423	565760.8	4222546	0.004933	0.006523	2.34E-03	2.62E-03	7.15E-03	2.34E-03	6.48E-04	1.27E-03	7.65E-04	5.01E-04	7.10E-04	3.49E-04
424	565753.8	4222562	0.004773	0.006313	2.26E-03	2.53E-03	6.92E-03	2.26E-03	6.27E-04	1.23E-03	7.40E-04	4.85E-04	6.87E-04	3.38E-04
425	565746.8	4222578	0.004571	0.006046	2.17E-03	2.42E-03	6.63E-03	2.17E-03	6.00E-04	1.18E-03	7.09E-04	4.65E-04	6.58E-04	3.23E-04
426	565725.9	4222625	0.003726	0.004927	1.77E-03	1.98E-03	5.40E-03	1.77E-03	4.89E-04	9.62E-04	5.78E-04	3.79E-04	5.36E-04	2.63E-04
427	565718.9	4222641	0.003405	0.004504	1.61E-03	1.81E-03	4.94E-03	1.61E-03	4.47E-04	8.80E-04	5.28E-04	3.46E-04	4.90E-04	2.41E-04
428	565711.9	4222657	0.00309	0.004086	1.46E-03	1.64E-03	4.48E-03	1.46E-03	4.06E-04	7.98E-04	4.79E-04	3.14E-04	4.44E-04	2.18E-04
429	565704.9	4222673	0.002771	0.003664	1.31E-03	1.47E-03	4.02E-03	1.31E-03	3.64E-04	7.16E-04	4.30E-04	2.82E-04	3.99E-04	1.96E-04
430	565686.3	4222700	0.002258	0.002986	1.07E-03	1.20E-03	3.27E-03	1.07E-03	2.96E-04	5.83E-04	3.50E-04	2.29E-04	3.25E-04	1.60E-04
431	565670.1	4222707	0.002118	0.0028	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.47E-04	3.28E-04	2.15E-04	3.05E-04	1.50E-04
432	565654	4222713	0.001974	0.002611	9.35E-04	1.05E-03	2.86E-03	9.35E-04	2.59E-04	5.10E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
433	565621.6	4222726	0.001792	0.00237	8.49E-04	9.50E-04	2.60E-03	8.49E-04	2.35E-04	4.63E-04	2.78E-04	1.82E-04	2.58E-04	1.27E-04
434	565605.4	4222733	0.001642	0.002171	7.78E-04	8.70E-04	2.38E-03	7.78E-04	2.16E-04	4.24E-04	2.54E-04	1.67E-04	2.36E-04	1.16E-04
435	565589.3	4222739	0.001494	0.001975	7.08E-04	7.92E-04	2.17E-03	7.08E-04	1.96E-04	3.86E-04	2.32E-04	1.52E-04	2.15E-04	1.06E-04
436	565778.5	4222497	0.005258	0.006954	2.49E-03	2.79E-03	7.62E-03	2.49E-03	6.91E-04	1.36E-03	8.15E-04	5.34E-04	7.56E-04	3.72E-04
437	565778.7	4222488	0.005339	0.007061	2.53E-03	2.83E-03	7.74E-03	2.53E-03	7.01E-04	1.38E-03	8.28E-04	5.43E-04	7.68E-04	3.78E-04
438	565778.9	4222479	0.00541	0.007155	2.56E-03	2.87E-03	7.84E-03	2.56E-03	7.11E-04	1.40E-03	8.39E-04	5.50E-04	7.78E-04	3.83E-04
439	565777.3	4222531	0.004881	0.006455	2.31E-03	2.59E-03	7.08E-03	2.31E-03	6.41E-04	1.26E-03	7.57E-04	4.96E-04	7.02E-04	3.45E-04
440	565770	4222547	0.004761	0.006296	2.26E-03	2.52E-03	6.90E-03	2.26E-03	6.25E-04	1.23E-03	7.38E-04	4.84E-04	6.85E-04	3.37E-04
441	565748.3	4222597	0.004174	0.00552	1.98E-03	2.21E-03	6.05E-03	1.98E-03	5.48E-04	1.08E-03	6.47E-04	4.24E-04	6.00E-04	2.95E-04
442	565741.1	4222613	0.003898	0.005154	1.85E-03	2.07E-03	5.65E-03	1.85E-03	5.12E-04	1.01E-03	6.04E-04	3.96E-04	5.61E-04	2.76E-04
443	565733.8	4222630	0.003586	0.004743	1.70E-03	1.90E-03	5.20E-03	1.70E-03	4.71E-04	9.26E-04	5.56E-04	3.64E-04	5.16E-04	2.54E-04
444	565726.6	4222646	0.003279	0.004336	1.55E-03	1.74E-03	4.75E-03	1.55E-03	4.31E-04	8.47E-04	5.08E-04	3.33E-04	4.72E-04	2.32E-04
445	565719.3	4222663	0.002972	0.003931	1.41E-03	1.58E-03	4.31E-03	1.41E-03	3.90E-04	7.68E-04	4.61E-04	3.02E-04	4.28E-04	2.10E-04
446	565712.1	4222679	0.002656	0.003512	1.26E-03	1.41E-03	3.85E-03	1.26E-03	3.49E-04	6.86E-04	4.12E-04	2.70E-04	3.82E-04	1.88E-04
447	565692.9	4222708	0.002151	0.002844	1.02E-03	1.14E-03	3.12E-03	1.02E-03	2.82E-04	5.56E-04	3.33E-04	2.19E-04	3.09E-04	1.52E-04
448	565684.5	4222711	0.002083	0.002754	9.87E-04	1.10E-03	3.02E-03	9.87E-04	2.73E-04	5.38E-04	3.23E-04	2.12E-04	3.00E-04	1.47E-04
449	565676.1	4222714	0.002013	0.002662	9.54E-04	1.07E-03	2.92E-03	9.54E-04	2.64E-04	5.20E-04	3.12E-04	2.05E-04	2.90E-04	1.42E-04
450	565659.4	4222721	0.001872	0.002476	8.87E-04	9.92E-04	2.71E-03	8.87E-04	2.46E-04	4.84E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
451	565651	4222724	0.001802	0.002383	8.54E-04	9.55E-04	2.61E-03	8.54E-04	2.37E-04	4.65E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
452	565625.9	4222734	0.001563	0.002067	7.41E-04	8.29E-04	2.27E-03	7.41E-04	2.05E-04	4.04E-04	2.42E-04	1.59E-04	2.25E-04	1.11E-04

453	565609.1	4222741	0.001563	0.002067	7.40E-04	8.29E-04	2.27E-03	7.40E-04	2.05E-04	4.04E-04	2.42E-04	1.59E-04	2.25E-04	1.11E-04
454	565600.7	4222744	0.00149	0.00197	7.06E-04	7.90E-04	2.16E-03	7.06E-04	1.96E-04	3.85E-04	2.31E-04	1.51E-04	2.14E-04	1.05E-04
455	565584	4222751	0.001351	0.001786	6.40E-04	7.16E-04	1.96E-03	6.40E-04	1.77E-04	3.49E-04	2.09E-04	1.37E-04	1.94E-04	9.55E-05
456	565788.1	4222506	0.004975	0.006579	2.36E-03	2.64E-03	7.21E-03	2.36E-03	6.53E-04	1.29E-03	7.71E-04	5.06E-04	7.16E-04	3.52E-04
457	565788.3	4222497	0.005056	0.006687	2.40E-03	2.68E-03	7.33E-03	2.40E-03	6.64E-04	1.31E-03	7.84E-04	5.14E-04	7.27E-04	3.58E-04
458	565788.6	4222488	0.00513	0.006784	2.43E-03	2.72E-03	7.44E-03	2.43E-03	6.74E-04	1.33E-03	7.95E-04	5.21E-04	7.38E-04	3.63E-04
459	565788.8	4222479	0.005194	0.006868	2.46E-03	2.75E-03	7.53E-03	2.46E-03	6.82E-04	1.34E-03	8.05E-04	5.28E-04	7.47E-04	3.67E-04
460	565762	4222588	0.004196	0.005549	1.99E-03	2.22E-03	6.08E-03	1.99E-03	5.51E-04	1.08E-03	6.50E-04	4.26E-04	6.04E-04	2.97E-04
461	565754.8	4222605	0.003963	0.005241	1.88E-03	2.10E-03	5.75E-03	1.88E-03	5.20E-04	1.02E-03	6.14E-04	4.03E-04	5.70E-04	2.80E-04
462	565751.2	4222613	0.003834	0.00507	1.82E-03	2.03E-03	5.56E-03	1.82E-03	5.04E-04	9.90E-04	5.94E-04	3.90E-04	5.51E-04	2.71E-04
463	565736.8	4222646	0.003261	0.004313	1.55E-03	1.73E-03	4.73E-03	1.55E-03	4.28E-04	8.43E-04	5.06E-04	3.31E-04	4.69E-04	2.31E-04
464	565733.3	4222654	0.003121	0.004127	1.48E-03	1.65E-03	4.52E-03	1.48E-03	4.10E-04	8.06E-04	4.84E-04	3.17E-04	4.49E-04	2.21E-04
465	565726.1	4222670	0.002829	0.003741	1.34E-03	1.50E-03	4.10E-03	1.34E-03	3.71E-04	7.31E-04	4.38E-04	2.87E-04	4.07E-04	2.00E-04
466	565718.9	4222687	0.002527	0.003341	1.20E-03	1.34E-03	3.66E-03	1.20E-03	3.32E-04	6.53E-04	3.92E-04	2.57E-04	3.63E-04	1.79E-04
467	565699.8	4222715	0.002053	0.002716	9.73E-04	1.09E-03	2.98E-03	9.73E-04	2.70E-04	5.30E-04	3.18E-04	2.09E-04	2.95E-04	1.45E-04
468	565691.4	4222718	0.001989	0.002631	9.42E-04	1.05E-03	2.88E-03	9.42E-04	2.61E-04	5.14E-04	3.08E-04	2.02E-04	2.86E-04	1.41E-04
469	565683.1	4222721	0.001924	0.002544	9.11E-04	1.02E-03	2.79E-03	9.11E-04	2.53E-04	4.97E-04	2.98E-04	1.96E-04	2.77E-04	1.36E-04
470	565666.5	4222728	0.001791	0.002368	8.48E-04	9.50E-04	2.60E-03	8.48E-04	2.35E-04	4.63E-04	2.78E-04	1.82E-04	2.58E-04	1.27E-04
471	565658.2	4222731	0.001725	0.002281	8.17E-04	9.15E-04	2.50E-03	8.17E-04	2.27E-04	4.46E-04	2.67E-04	1.75E-04	2.48E-04	1.22E-04
472	565624.9	4222745	0.001438	0.001902	6.81E-04	7.62E-04	2.08E-03	6.81E-04	1.89E-04	3.72E-04	2.23E-04	1.46E-04	2.07E-04	1.02E-04
473	565616.6	4222748	0.001522	0.002013	7.21E-04	8.07E-04	2.21E-03	7.21E-04	2.00E-04	3.93E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
474	565599.9	4222755	0.001386	0.001832	6.56E-04	7.35E-04	2.01E-03	6.56E-04	1.82E-04	3.58E-04	2.15E-04	1.41E-04	1.99E-04	9.80E-05
475	565591.6	4222758	0.001321	0.001747	6.26E-04	7.00E-04	1.92E-03	6.26E-04	1.73E-04	3.41E-04	2.05E-04	1.34E-04	1.90E-04	9.34E-05
476	565798.2	4222497	0.004861	0.006429	2.30E-03	2.58E-03	7.05E-03	2.30E-03	6.38E-04	1.26E-03	7.54E-04	4.94E-04	6.99E-04	3.44E-04
477	565798.4	4222488	0.004926	0.006515	2.33E-03	2.61E-03	7.14E-03	2.33E-03	6.47E-04	1.27E-03	7.64E-04	5.01E-04	7.09E-04	3.48E-04
478	565798.6	4222479	0.004985	0.006592	2.36E-03	2.64E-03	7.23E-03	2.36E-03	6.55E-04	1.29E-03	7.73E-04	5.07E-04	7.17E-04	3.53E-04
479	565804.2	4222515	0.004603	0.006087	2.18E-03	2.44E-03	6.67E-03	2.18E-03	6.04E-04	1.19E-03	7.14E-04	4.68E-04	6.62E-04	3.26E-04
480	565779.2	4222572	0.004268	0.005644	2.02E-03	2.26E-03	6.19E-03	2.02E-03	5.61E-04	1.10E-03	6.62E-04	4.34E-04	6.14E-04	3.02E-04
481	565775.6	4222580	0.004187	0.005537	1.98E-03	2.22E-03	6.07E-03	1.98E-03	5.50E-04	1.08E-03	6.49E-04	4.25E-04	6.02E-04	2.96E-04
482	565768.5	4222596	0.003993	0.005281	1.89E-03	2.12E-03	5.79E-03	1.89E-03	5.24E-04	1.03E-03	6.19E-04	4.06E-04	5.74E-04	2.82E-04
483	565764.9	4222604	0.003882	0.005135	1.84E-03	2.06E-03	5.63E-03	1.84E-03	5.10E-04	1.00E-03	6.02E-04	3.95E-04	5.58E-04	2.75E-04
484	565757.8	4222621	0.003641	0.004815	1.73E-03	1.93E-03	5.28E-03	1.73E-03	4.78E-04	9.41E-04	5.64E-04	3.70E-04	5.24E-04	2.58E-04
485	565754.2	4222629	0.00351	0.004642	1.66E-03	1.86E-03	5.09E-03	1.66E-03	4.61E-04	9.07E-04	5.44E-04	3.57E-04	5.05E-04	2.48E-04
486	565747.1	4222645	0.00324	0.004285	1.53E-03	1.72E-03	4.70E-03	1.53E-03	4.25E-04	8.37E-04	5.02E-04	3.29E-04	4.66E-04	2.29E-04
487	565739.9	4222661	0.002973	0.003931	1.41E-03	1.58E-03	4.31E-03	1.41E-03	3.90E-04	7.68E-04	4.61E-04	3.02E-04	4.28E-04	2.10E-04
488	565732.8	4222678	0.002688	0.003555	1.27E-03	1.43E-03	3.90E-03	1.27E-03	3.53E-04	6.95E-04	4.17E-04	2.73E-04	3.87E-04	1.90E-04
489	565729.2	4222686	0.002544	0.003364	1.21E-03	1.35E-03	3.69E-03	1.21E-03	3.34E-04	6.57E-04	3.94E-04	2.58E-04	3.66E-04	1.80E-04
490	565706.7	4222722	0.001962	0.002595	9.30E-04	1.04E-03	2.85E-03	9.30E-04	2.58E-04	5.07E-04	3.04E-04	1.99E-04	2.82E-04	1.39E-04
491	565690.1	4222728	0.00184	0.002434	8.72E-04	9.76E-04	2.67E-03	8.72E-04	2.42E-04	4.75E-04	2.85E-04	1.87E-04	2.65E-04	1.30E-04
492	565673.6	4222735	0.001716	0.002269	8.13E-04	9.10E-04	2.49E-03	8.13E-04	2.25E-04	4.43E-04	2.66E-04	1.74E-04	2.47E-04	1.21E-04
493	565640.5	4222748	0.001466	0.001939	6.95E-04	7.77E-04	2.13E-03	6.95E-04	1.93E-04	3.79E-04	2.27E-04	1.49E-04	2.11E-04	1.04E-04
494	565624	4222755	0.001326	0.001754	6.28E-04	7.03E-04	1.92E-03	6.28E-04	1.74E-04	3.43E-04	2.06E-04	1.35E-04	1.91E-04	9.38E-05
495	565607.5	4222761	0.001353	0.001789	6.41E-04	7.17E-04	1.96E-03	6.41E-04	1.78E-04	3.50E-04	2.10E-04	1.37E-04	1.95E-04	9.57E-05
496	565590.9	4222768	0.001233	0.001631	5.84E-04	6.54E-04	1.79E-03	5.84E-04	1.62E-04	3.19E-04	1.91E-04	1.25E-04	1.77E-04	8.72E-05
497	565557.9	4222781	0.001027	0.001359	4.87E-04	5.45E-04	1.49E-03	4.87E-04	1.35E-04	2.65E-04	1.59E-04	1.04E-04	1.48E-04	7.27E-05
498	565808	4222497	0.004669	0.006175	2.21E-03	2.48E-03	6.77E-03	2.21E-03	6.13E-04	1.21E-03	7.24E-04	4.75E-04	6.72E-04	3.30E-04
499	565808.2	4222488	0.004724	0.006247	2.24E-03	2.50E-03	6.85E-03	2.24E-03	6.20E-04	1.22E-03	7.32E-04	4.80E-04	6.79E-04	3.34E-04
500	565808.4	4222479	0.004779	0.00632	2.26E-03	2.53E-03	6.93E-03	2.26E-03	6.28E-04	1.23E-03	7.41E-04	4.86E-04	6.87E-04	3.38E-04
501	565824.3	4222515	0.004274	0.005653	2.03E-03	2.27E-03	6.20E-03	2.03E-03	5.61E-04	1.10E-03	6.63E-04	4.34E-04	6.15E-04	3.02E-04
502	565817.2	4222531	0.004246	0.005615	2.01E-03	2.25E-03	6.16E-03	2.01E-03	5.58E-04	1.10E-03	6.58E-04	4.31E-04	6.11E-04	3.00E-04
503	565803.1	4222563	0.004083	0.0054	1.93E-03	2.16E-03	5.92E-03	1.93E-03	5.36E-04	1.05E-03	6.33E-04	4.15E-04	5.87E-04	2.89E-04
504	565796	4222580	0.003954	0.00523	1.87E-03	2.10E-03	5.73E-03	1.87E-03	5.19E-04	1.02E-03	6.13E-04	4.02E-04	5.69E-04	2.80E-04
505	565788.9	4222596	0.003809	0.005037	1.80E-03	2.02E-03	5.52E-03	1.80E-03	5.00E-04	9.84E-04	5.90E-04	3.87E-04	5.48E-04	2.69E-04
506	565785.4	4222604	0.003724	0.004924	1.76E-03	1.97E-03	5.40E-03	1.76E-03	4.89E-04	9.62E-04	5.77E-04	3.78E-04	5.36E-04	2.63E-04
507	565778.3	4222620	0.003522	0.004658	1.67E-03	1.87E-03	5.11E-03	1.67E-03	4.63E-04	9.10E-04	5.46E-04	3.58E-04	5.07E-04	2.49E-04
508	565771.2	4222636	0.003297	0.00436	1.56E-03	1.75E-03	4.78E-03	1.56E-03	4.33E-04	8.52E-04	5.11E-04	3.35E-04	4.74E-04	2.33E-04
509	565757.1	4222668	0.002813	0.00372	1.33E-03	1.49E-03	4.08E-03	1.33E-03	3.69E-04	7.27E-04	4.36E-04	2.86E-04	4.05E-04	1.99E-04
510	565750	4222684	0.00256	0.003385	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.61E-04	3.97E-04	2.60E-04	3.68E-04	1.81E-04
511	565743	4222701	0.002307	0.003051	1.09E-03	1.22E-03	3.34E-03	1.09E-03	3.03E-04	5.96E-04	3.58E-04	2.34E-04	3.32E-04	1.63E-04
512	565720.7	4222736	0.001799	0.002379	8.52E-04	9.54E-04	2.61E-03	8.52E-04	2.36E-04	4.65E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
513	565704.3	4222743	0.001687	0.002231	7.99E-04	8.94E-04	2.45E-03	7.99E-04	2.22E-04	4.36E-04	2.62E-04	1.71E-04	2.43E-04	1.19E-04
514	565687.9	4222749	0.001576	0.002084	7.46E-04	8.35E-04	2.28E-03	7.46E-04	2.07E-04	4.07E-04	2.44E-04	1.60E-04	2.27E-04	1.11E-04
515	565655.2	4222762	0.001358	0.001796	6.44E-04	7.20E-04	1.97E-03	6.44E-04	1.78E-04	3.51E-04	2.11E-04	1.38E-04	1.95E-04	9.61E-05
516	565638.9	4222769	0.001251	0.001654	5.93E-04	6.63E-04	1.81E-03	5.93E-04	1.64E-04	3.23E-04	1.94E-04	1.27E-04	1.80E-04	8.84E-05
517	565622.5	4222775	0.001135	0.001501	5.38E-04	6.02E-04	1.64E-03	5.38E-04	1.49E-04	2.93E-04	1.76E-04	1.15E-04	1.63E-04	8.02E-05
518	565606.2	4222782	0.001179	0.001559	5.59E-04	6.25E-04	1.71E-03	5.59E-04	1.55E-04	3.05E-04	1.83E-04	1.20E-04	1.70E-04	8.34E-05
519	565589.8	4222788	0.001081	0.001429	5.12E-04	5.73E-04	1.57E-03	5.12E-04	1.42E-04	2.79E-04	1.68E-04	1.10E-04	1.55E-04	7.64E-05
520	565557.1	4222801	0.000911	0.001205	4.32E-04	4.83E-04	1.32E-03	4.32E-04	1.20E-04	2.35E-04	1.41E-04	9.26E-05	1.31E-04	6.44E-05
521	565828	4222498	0.004303	0.005691	2.04E-03	2.28E-03	6.24E-03	2.04E-03	5.65E-04	1.11E-03	6.67E-04	4.37E-04	6.19E-04	3.04E-04
522	565828.2	4222489	0.004337	0.005735	2.05E-03	2.30E-03	6.29E-03	2.05E-03	5.70E-04	1.12E-03	6.72E-04	4.41E-04	6.24E-04	3.07E-04
523	565828.4	4222480	0.004383	0.005797	2.08E-03	2.32E-03	6.35E-03	2.08E-03	5.76E-04	1.13E-03	6.79E-04	4.45E-04	6.30E-04	3.10E-04
524	565844.2	4222516	0.003958	0.005235	1.88E-03	2.10E-03	5.74E-03	1.88E-03	5.20E-04	1.02E-03	6.14E-04	4.02E-04	5.69E-04	2.80E-04
525	565840.5	4222524	0.003968	0.005248	1.88E-03	2.10E-03	5.75E-03	1.88E-03	5.21E-04	1.03E-03	6.15E-04	4.03E-04	5.71E-04	2.81E-04
526	565833.3	4222541	0.003951	0.005225	1.87E-03	2.09E-03	5.73E-03	1.87E-03	5.19E-04	1.02E-03	6.12E-04	4.02E-04	5.68E-04	2.79E-04
527	565829.7	4222549	0.003922	0.005186	1.86E-03	2.08E-03	5.69E-03	1.86E-03	5.15E-04	1.01E-03	6.08E-04	3.99E-04	5.64E-04	2.77E-04
528	565815.2	4222582	0.003722	0.004923	1.76E-03	1.97E-03	5.40E-03	1.76E-03	4.89E-04	9.62E-04	5.77E-04	3.78E-04	5.35E-04	2.63E-04
529	565807.9	4222598	0.003592	0.00475	1.70E-03	1.90E-03	5.21E-03	1.70E-03	4.72E-04	9.28E-04	5.57E-04	3.65E-04	5.17E-04	2.54E-04
530	565800.7	4222615	0.003438	0.004546	1.63E-03	1.82E-03	4.98E-03	1.63E-03	4.51E-04	8.88E-04	5.33E-04	3.49E-04	4.95E-04	2.43E-04
531	565793.4	4222631	0.003252	0.0043	1.54E-03	1.72E-03	4.71E-03	1.54E-03	4.27E-04	8.40E-04	5.04E-04	3.30E-04	4.68E-04	2.30E-04
532	565786.2	4222648	0.003042	0.004023	1.44E-03	1.61E-03	4.41E-03	1.44E-03	3.99E-04	7.86E-04	4.72E-04	3.09E-04	4.38E-04	2.15E-04
533	565775.3	4222673	0.002703	0.003575	1.28E-03	1.43E-03	3.92E-03	1.28E-03	3.55E-04	6.98E-04	4.19E-04	2.75E-04	3.89E-04	1.91E-04
534	565768.1	4222689	0.00247	0.003267	1.17E-03	1.31E-03	3.58E-03	1.17E-03	3.24E-04	6.38E-04	3.83E-04	2.51E-04	3.55E-04	1.75E-04
535	565760.8	4222706	0.002239	0.002961	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.94E-04	5.78E-04	3.47E-04	2.28E-04	3.22E-04	1.58E-04
536	565753.6	4222722	0.002014	0.002664	9.54E-04	1.07E-03	2.92E-03	9.54E-04	2.64E-04	5.20E-04	3.12E-04	2.05E-04	2.90E-04	1.42E-04
537	565734.4	4222751	0.001663	0.002199	7.88E-04	8.82E-04	2.41E-03	7.88E-04	2.18E-04	4.30E-04	2.58E-04	1.69E-04	2.39E-04	1.18E-04
538	565726	4222754	0.001611	0.00213	7.63E-04	8.54E-04	2.34E-03	7.63E-04	2.12E-04	4.16E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
539	565709.2	4222761	0.001499	0.001982	7.10E-04	7.95E-04	2.17E-03	7.10E-04	1.97E-04	3.87E-04	2.32E-04	1.52E-04	2.16E-04	1.06E-04
540	565700.8	4222764	0.001444	0.00191	6.84E-04	7.66E-04	2.09E-03	6.84E-04	1.90E-04	3.73E-04	2.24E-04	1.47E-04	2.08E-04	1.02E-04
541	565667.3	4222777	0.001244	0.001645	5.89E-04	6.59E-04	1.80E-03	5.89E-04	1.63E-04	3.21E-04	1.93E-04	1.26E-04	1.79E-04	8.80E-05
542	565650.5	4222784	0.001151	0.001523	5.45E-04	6.10E-04	1.67E-03	5.45E-04	1.51E-04	2.97E-04	1.78E-04	1.17E-04	1.66E-04	8.14E-05
543	565642.1	4222787	0.001106	0.001463	5.24E-04	5.86E-04	1.60E-03	5.24E-04	1.45E-04	2.86E-04	1.71E-04	1.12E-04	1.59E-04	7.82E-05

544	565625.4	4222794	0.001004	0.001328	4.76E-04	5.32E-04	1.46E-03	4.76E-04	1.32E-04	2.59E-04	1.56E-04	1.02E-04	1.44E-04	7.10E-05
545	565617	4222797	0.000987	0.001305	4.68E-04	5.23E-04	1.43E-03	4.68E-04	1.30E-04	2.55E-04	1.53E-04	1.00E-04	1.42E-04	6.98E-05
546	565558.3	4222821	0.000747	0.000988	3.54E-04	3.96E-04	1.08E-03	3.54E-04	9.81E-05	1.93E-04	1.16E-04	7.59E-05	1.07E-04	5.28E-05
547	565848	4222498	0.00398	0.005263	1.89E-03	2.11E-03	5.77E-03	1.89E-03	5.23E-04	1.03E-03	6.17E-04	4.04E-04	5.72E-04	2.81E-04
548	565848.2	4222489	0.00401	0.005303	1.90E-03	2.13E-03	5.81E-03	1.90E-03	5.27E-04	1.04E-03	6.22E-04	4.08E-04	5.77E-04	2.84E-04
549	565848.4	4222480	0.004045	0.005349	1.92E-03	2.14E-03	5.86E-03	1.92E-03	5.31E-04	1.04E-03	6.27E-04	4.11E-04	5.82E-04	2.86E-04
550	565864.2	4222516	0.003686	0.004874	1.75E-03	1.95E-03	5.34E-03	1.75E-03	4.84E-04	9.52E-04	5.71E-04	3.75E-04	5.30E-04	2.61E-04
551	565860.6	4222524	0.003703	0.004897	1.75E-03	1.96E-03	5.37E-03	1.75E-03	4.86E-04	9.57E-04	5.74E-04	3.76E-04	5.33E-04	2.62E-04
552	565853.4	4222541	0.003718	0.004918	1.76E-03	1.97E-03	5.39E-03	1.76E-03	4.88E-04	9.61E-04	5.76E-04	3.78E-04	5.35E-04	2.63E-04
553	565849.9	4222549	0.003706	0.004902	1.76E-03	1.97E-03	5.37E-03	1.76E-03	4.87E-04	9.57E-04	5.75E-04	3.77E-04	5.33E-04	2.62E-04
554	565831.9	4222590	0.003484	0.004607	1.65E-03	1.85E-03	5.05E-03	1.65E-03	4.58E-04	9.00E-04	5.40E-04	3.54E-04	5.01E-04	2.46E-04
555	565828.3	4222598	0.003418	0.00452	1.62E-03	1.81E-03	4.95E-03	1.62E-03	4.49E-04	8.83E-04	5.30E-04	3.47E-04	4.92E-04	2.42E-04
556	565821.2	4222614	0.003282	0.00434	1.55E-03	1.74E-03	4.76E-03	1.55E-03	4.31E-04	8.48E-04	5.09E-04	3.33E-04	4.72E-04	2.32E-04
557	565814	4222631	0.003139	0.004151	1.49E-03	1.66E-03	4.55E-03	1.49E-03	4.12E-04	8.11E-04	4.87E-04	3.19E-04	4.52E-04	2.22E-04
558	565810.4	4222639	0.003056	0.004041	1.45E-03	1.62E-03	4.43E-03	1.45E-03	4.01E-04	7.89E-04	4.74E-04	3.11E-04	4.40E-04	2.16E-04
559	565803.2	4222655	0.00287	0.003795	1.36E-03	1.52E-03	4.16E-03	1.36E-03	3.77E-04	7.41E-04	4.45E-04	2.92E-04	4.13E-04	2.03E-04
560	565799.7	4222663	0.002772	0.003666	1.31E-03	1.47E-03	4.02E-03	1.31E-03	3.64E-04	7.16E-04	4.30E-04	2.82E-04	3.99E-04	1.96E-04
561	565788.9	4222688	0.002466	0.003261	1.17E-03	1.31E-03	3.57E-03	1.17E-03	3.24E-04	6.37E-04	3.82E-04	2.51E-04	3.55E-04	1.74E-04
562	565781.7	4222704	0.002257	0.002985	1.07E-03	1.20E-03	3.27E-03	1.07E-03	2.96E-04	5.83E-04	3.50E-04	2.29E-04	3.25E-04	1.60E-04
563	565774.6	4222721	0.002051	0.002712	9.71E-04	1.09E-03	2.97E-03	9.71E-04	2.69E-04	5.30E-04	3.18E-04	2.08E-04	2.95E-04	1.45E-04
564	565771	4222729	0.001949	0.002578	9.24E-04	1.03E-03	2.83E-03	9.24E-04	2.56E-04	5.04E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
565	565748.3	4222765	0.001534	0.002029	7.27E-04	8.13E-04	2.22E-03	7.27E-04	2.01E-04	3.96E-04	2.38E-04	1.56E-04	2.21E-04	1.08E-04
566	565731.7	4222771	0.001444	0.00191	6.84E-04	7.66E-04	2.09E-03	6.84E-04	1.90E-04	3.73E-04	2.24E-04	1.47E-04	2.08E-04	1.02E-04
567	565723.5	4222775	0.001394	0.001843	6.60E-04	7.39E-04	2.02E-03	6.60E-04	1.83E-04	3.60E-04	2.16E-04	1.42E-04	2.00E-04	9.86E-05
568	565706.9	4222781	0.001292	0.001709	6.12E-04	6.85E-04	1.87E-03	6.12E-04	1.70E-04	3.34E-04	2.00E-04	1.31E-04	1.86E-04	9.14E-05
569	565682	4222791	0.001158	0.001531	5.49E-04	6.14E-04	1.68E-03	5.49E-04	1.52E-04	2.99E-04	1.80E-04	1.18E-04	1.67E-04	8.19E-05
570	565665.4	4222798	0.001074	0.00142	5.09E-04	5.69E-04	1.56E-03	5.09E-04	1.41E-04	2.77E-04	1.66E-04	1.09E-04	1.54E-04	7.59E-05
571	565657.1	4222801	0.001034	0.001368	4.90E-04	5.48E-04	1.50E-03	4.90E-04	1.36E-04	2.67E-04	1.60E-04	1.05E-04	1.49E-04	7.31E-05
572	565640.5	4222808	0.000957	0.001266	4.53E-04	5.07E-04	1.39E-03	4.53E-04	1.26E-04	2.47E-04	1.48E-04	9.73E-05	1.38E-04	6.77E-05
573	565607.3	4222821	0.000818	0.001082	3.87E-04	4.34E-04	1.19E-03	3.87E-04	1.07E-04	2.11E-04	1.27E-04	8.31E-05	1.18E-04	5.78E-05
574	565599	4222824	0.000788	0.001042	3.73E-04	4.18E-04	1.14E-03	3.73E-04	1.03E-04	2.04E-04	1.22E-04	8.01E-05	1.13E-04	5.57E-05
575	565557.5	4222841	0.000675	0.000893	3.20E-04	3.58E-04	9.79E-04	3.20E-04	8.86E-05	1.74E-04	1.05E-04	6.86E-05	9.71E-05	4.77E-05
576	565868	4222499	0.003707	0.004902	1.76E-03	1.97E-03	5.37E-03	1.76E-03	4.87E-04	9.58E-04	5.75E-04	3.77E-04	5.33E-04	2.62E-04
577	565868.2	4222490	0.003733	0.004936	1.77E-03	1.98E-03	5.41E-03	1.77E-03	4.90E-04	9.64E-04	5.79E-04	3.79E-04	5.37E-04	2.64E-04
578	565868.4	4222481	0.00376	0.004972	1.78E-03	1.99E-03	5.45E-03	1.78E-03	4.94E-04	9.71E-04	5.83E-04	3.82E-04	5.41E-04	2.66E-04
579	565884.2	4222517	0.003455	0.004569	1.64E-03	1.83E-03	5.01E-03	1.64E-03	4.54E-04	8.92E-04	5.36E-04	3.51E-04	4.97E-04	2.44E-04
580	565877.1	4222533	0.003481	0.004603	1.65E-03	1.85E-03	5.05E-03	1.65E-03	4.57E-04	8.99E-04	5.40E-04	3.54E-04	5.01E-04	2.46E-04
581	565873.6	4222541	0.003486	0.004611	1.65E-03	1.85E-03	5.05E-03	1.65E-03	4.58E-04	9.01E-04	5.40E-04	3.54E-04	5.01E-04	2.47E-04
582	565866.5	4222557	0.003466	0.004584	1.64E-03	1.84E-03	5.02E-03	1.64E-03	4.55E-04	8.95E-04	5.37E-04	3.52E-04	4.99E-04	2.45E-04
583	565859.4	4222573	0.003414	0.004515	1.62E-03	1.81E-03	4.95E-03	1.62E-03	4.48E-04	8.82E-04	5.29E-04	3.47E-04	4.91E-04	2.41E-04
584	565845.1	4222606	0.003226	0.004267	1.53E-03	1.71E-03	4.68E-03	1.53E-03	4.24E-04	8.33E-04	5.00E-04	3.28E-04	4.64E-04	2.28E-04
585	565841.6	4222614	0.003161	0.00418	1.50E-03	1.68E-03	4.58E-03	1.50E-03	4.15E-04	8.17E-04	4.90E-04	3.21E-04	4.55E-04	2.24E-04
586	565834.5	4222630	0.003024	0.003999	1.43E-03	1.60E-03	4.38E-03	1.43E-03	3.97E-04	7.81E-04	4.69E-04	3.07E-04	4.35E-04	2.14E-04
587	565827.4	4222646	0.002876	0.003803	1.36E-03	1.52E-03	4.17E-03	1.36E-03	3.78E-04	7.43E-04	4.46E-04	2.92E-04	4.14E-04	2.03E-04
588	565823.8	4222654	0.002795	0.003696	1.32E-03	1.48E-03	4.05E-03	1.32E-03	3.67E-04	7.22E-04	4.33E-04	2.84E-04	4.02E-04	1.98E-04
589	565816.7	4222671	0.002621	0.003466	1.24E-03	1.39E-03	3.80E-03	1.24E-03	3.44E-04	6.77E-04	4.06E-04	2.66E-04	3.77E-04	1.85E-04
590	565799	4222711	0.002158	0.002854	1.02E-03	1.14E-03	3.13E-03	1.02E-03	2.83E-04	5.57E-04	3.34E-04	2.19E-04	3.10E-04	1.53E-04
591	565791.9	4222727	0.001976	0.002613	9.36E-04	1.05E-03	2.86E-03	9.36E-04	2.60E-04	5.11E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
592	565784.8	4222743	0.001794	0.002373	8.50E-04	9.51E-04	2.60E-03	8.50E-04	2.36E-04	4.63E-04	2.78E-04	1.82E-04	2.58E-04	1.27E-04
593	565762.3	4222779	0.001414	0.00187	6.70E-04	7.50E-04	2.05E-03	6.70E-04	1.86E-04	3.65E-04	2.19E-04	1.44E-04	2.03E-04	1.00E-04
594	565745.9	4222786	0.001336	0.001767	6.33E-04	7.08E-04	1.94E-03	6.33E-04	1.75E-04	3.45E-04	2.07E-04	1.36E-04	1.92E-04	9.45E-05
595	565729.4	4222792	0.001254	0.001658	5.94E-04	6.65E-04	1.82E-03	5.94E-04	1.65E-04	3.24E-04	1.94E-04	1.27E-04	1.80E-04	8.87E-05
596	565696.6	4222805	0.001087	0.001438	5.15E-04	5.76E-04	1.58E-03	5.15E-04	1.43E-04	2.81E-04	1.69E-04	1.10E-04	1.56E-04	7.69E-05
597	565680.1	4222812	0.001007	0.001332	4.77E-04	5.34E-04	1.46E-03	4.77E-04	1.32E-04	2.60E-04	1.56E-04	1.02E-04	1.45E-04	7.12E-05
598	565663.7	4222819	0.000935	0.001236	4.43E-04	4.96E-04	1.36E-03	4.43E-04	1.23E-04	2.41E-04	1.45E-04	9.50E-05	1.34E-04	6.61E-05
599	565647.2	4222825	0.00087	0.001151	4.12E-04	4.61E-04	1.26E-03	4.12E-04	1.14E-04	2.25E-04	1.35E-04	8.84E-05	1.25E-04	6.15E-05
600	565614.4	4222838	0.00075	0.000992	3.55E-04	3.98E-04	1.09E-03	3.55E-04	9.85E-05	1.94E-04	1.16E-04	7.62E-05	1.08E-04	5.30E-05
601	565556.8	4222861	0.00061	0.000807	2.89E-04	3.24E-04	8.85E-04	2.89E-04	8.02E-05	1.58E-04	9.46E-05	6.20E-05	8.78E-05	4.32E-05
602	565888	4222499	0.003466	0.004584	1.64E-03	1.84E-03	5.03E-03	1.64E-03	4.55E-04	8.95E-04	5.37E-04	3.52E-04	4.99E-04	2.45E-04
603	565888.2	4222490	0.003488	0.004613	1.65E-03	1.85E-03	5.06E-03	1.65E-03	4.58E-04	9.01E-04	5.41E-04	3.54E-04	5.02E-04	2.47E-04
604	565888.4	4222481	0.00351	0.004642	1.66E-03	1.86E-03	5.09E-03	1.66E-03	4.61E-04	9.07E-04	5.44E-04	3.57E-04	5.05E-04	2.48E-04
605	565904.1	4222517	0.003227	0.004268	1.53E-03	1.71E-03	4.68E-03	1.53E-03	4.24E-04	8.34E-04	5.00E-04	3.28E-04	4.64E-04	2.28E-04
606	565900.5	4222525	0.003247	0.004294	1.54E-03	1.72E-03	4.71E-03	1.54E-03	4.26E-04	8.39E-04	5.03E-04	3.30E-04	4.67E-04	2.30E-04
607	565893.3	4222542	0.003271	0.004326	1.55E-03	1.73E-03	4.74E-03	1.55E-03	4.30E-04	8.45E-04	5.07E-04	3.32E-04	4.71E-04	2.31E-04
608	565889.6	4222550	0.003269	0.004324	1.55E-03	1.73E-03	4.74E-03	1.55E-03	4.29E-04	8.45E-04	5.07E-04	3.32E-04	4.70E-04	2.31E-04
609	565882.4	4222567	0.003239	0.004283	1.53E-03	1.72E-03	4.70E-03	1.53E-03	4.25E-04	8.37E-04	5.02E-04	3.29E-04	4.66E-04	2.29E-04
610	565875.1	4222583	0.003191	0.00422	1.51E-03	1.69E-03	4.63E-03	1.51E-03	4.19E-04	8.24E-04	4.95E-04	3.24E-04	4.59E-04	2.26E-04
611	565860.6	4222616	0.003016	0.003989	1.43E-03	1.60E-03	4.37E-03	1.43E-03	3.96E-04	7.79E-04	4.68E-04	3.07E-04	4.34E-04	2.13E-04
612	565857	4222625	0.002951	0.003903	1.40E-03	1.56E-03	4.28E-03	1.40E-03	3.88E-04	7.62E-04	4.58E-04	3.00E-04	4.25E-04	2.09E-04
613	565849.7	4222641	0.002813	0.00372	1.33E-03	1.49E-03	4.08E-03	1.33E-03	3.69E-04	7.27E-04	4.36E-04	2.86E-04	4.05E-04	1.99E-04
614	565842.5	4222658	0.002672	0.003534	1.27E-03	1.42E-03	3.87E-03	1.27E-03	3.51E-04	6.90E-04	4.14E-04	2.72E-04	3.84E-04	1.89E-04
615	565835.2	4222674	0.00251	0.003319	1.19E-03	1.33E-03	3.64E-03	1.19E-03	3.30E-04	6.48E-04	3.89E-04	2.55E-04	3.61E-04	1.77E-04
616	565828	4222691	0.002329	0.00308	1.10E-03	1.23E-03	3.38E-03	1.10E-03	3.06E-04	6.02E-04	3.61E-04	2.37E-04	3.35E-04	1.65E-04
617	565824.3	4222699	0.002239	0.002962	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.94E-04	5.79E-04	3.47E-04	2.28E-04	3.22E-04	1.58E-04
618	565817.1	4222716	0.002073	0.002742	9.82E-04	1.10E-03	3.01E-03	9.82E-04	2.72E-04	5.36E-04	3.21E-04	2.11E-04	2.98E-04	1.47E-04
619	565809.8	4222732	0.001906	0.002521	9.03E-04	1.01E-03	2.76E-03	9.03E-04	2.50E-04	4.92E-04	2.95E-04	1.94E-04	2.74E-04	1.35E-04
620	565802.6	4222749	0.001742	0.002303	8.25E-04	9.23E-04	2.52E-03	8.25E-04	2.29E-04	4.50E-04	2.70E-04	1.77E-04	2.51E-04	1.23E-04
621	565795.3	4222765	0.001582	0.002093	7.50E-04	8.39E-04	2.29E-03	7.50E-04	2.08E-04	4.09E-04	2.45E-04	1.61E-04	2.28E-04	1.12E-04
622	565776.1	4222794	0.001318	0.001743	6.24E-04	6.99E-04	1.91E-03	6.24E-04	1.73E-04	3.41E-04	2.04E-04	1.34E-04	1.90E-04	9.32E-05
623	565767.7	4222797	0.00128	0.001692	6.06E-04	6.78E-04	1.86E-03	6.06E-04	1.68E-04	3.31E-04	1.98E-04	1.30E-04	1.84E-04	9.05E-05
624	565759.3	4222800	0.001242	0.001642	5.88E-04	6.58E-04	1.80E-03	5.88E-04	1.63E-04	3.21E-04	1.93E-04	1.26E-04	1.79E-04	8.78E-05
625	565742.5	4222807	0.001165	0.00154	5.52E-04	6.17E-04	1.69E-03	5.52E-04	1.53E-04	3.01E-04	1.81E-04	1.18E-04	1.68E-04	8.24E-05
626	565734.1	4222810	0.001124	0.001487	5.33E-04	5.96E-04	1.63E-03	5.33E-04	1.48E-04	2.90E-04	1.74E-04	1.14E-04	1.62E-04	7.95E-05
627	565717.3	4222817	0.001051	0.00139	4.98E-04	5.57E-04	1.52E-03	4.98E-04	1.38E-04	2.71E-04	1.63E-04	1.07E-04	1.51E-04	7.43E-05
628	565708.9	4222820	0.001017	0.001344	4.82E-04	5.39E-04	1.47E-03	4.82E-04	1.33E-04	2.63E-04	1.58E-04	1.03E-04	1.46E-04	7.19E-05
629	565700.5	4222824	0.000981	0.001298	4.65E-04	5.20E-04	1.42E-03	4.65E-04	1.29E-04	2.54E-04	1.52E-04	9.97E-05	1.41E-04	6.94E-05
630	565683.7	4222830	0.000909	0.001202	4.31E-04	4.82E-04	1.32E-03	4.31E-04	1.19E-04	2.35E-04	1.41E-04	9.24E-05	1.31E-04	6.43E-05
631	565675.3	4222834	0.000874	0.001156	4.14E-04	4.64E-04	1.27E-03	4.14E-04	1.15E-04	2.26E-04	1.36E-04	8.89E-05	1.26E-04	6.18E-05
632	565658.5	4222841	0.000812	0.001074	3.85E-04	4.30E-04	1.18E-03	3.85E-04	1.07E-04	2.10E-04	1.26E-04	8.25E-05	1.17E-04	5.74E-05
633	565633.4	4222851	0.00072	0.000952	3.41E-04	3.82E-04	1.04E-03	3.41E-04	9.45E-05	1.86E-04	1.12E-04	7.31E-05	1.04E-04	5.09E-05
634	565625	4222854	0.00069	0.000913	3.27E-04	3.66E-04	1.00E-03	3.27E-04	9.06E-05	1.78E-04	1.07E-04	7.01E-05	9.93E-05	4.88E-05

635	565557.8	4222881	0.000556	0.000736	2.64E-04	2.95E-04	8.06E-04	2.64E-04	7.31E-05	1.44E-04	8.62E-05	5.65E-05	8.00E-05	3.93E-05
636	565908	4222500	0.003241	0.004286	1.54E-03	1.72E-03	4.70E-03	1.54E-03	4.26E-04	8.37E-04	5.02E-04	3.29E-04	4.66E-04	2.29E-04
637	565908.2	4222491	0.003264	0.004316	1.55E-03	1.73E-03	4.73E-03	1.55E-03	4.29E-04	8.43E-04	5.06E-04	3.32E-04	4.69E-04	2.31E-04
638	565908.4	4222482	0.003284	0.004343	1.56E-03	1.74E-03	4.76E-03	1.56E-03	4.31E-04	8.48E-04	5.09E-04	3.34E-04	4.72E-04	2.32E-04
639	565924.2	4222518	0.003027	0.004004	1.43E-03	1.61E-03	4.39E-03	1.43E-03	3.98E-04	7.82E-04	4.69E-04	3.08E-04	4.35E-04	2.14E-04
640	565920.6	4222526	0.003044	0.004025	1.44E-03	1.61E-03	4.41E-03	1.44E-03	4.00E-04	7.86E-04	4.72E-04	3.09E-04	4.38E-04	2.15E-04
641	565913.4	4222542	0.00307	0.00406	1.45E-03	1.63E-03	4.45E-03	1.45E-03	4.03E-04	7.93E-04	4.76E-04	3.12E-04	4.42E-04	2.17E-04
642	565909.8	4222550	0.003072	0.004063	1.46E-03	1.63E-03	4.45E-03	1.46E-03	4.03E-04	7.94E-04	4.76E-04	3.12E-04	4.42E-04	2.17E-04
643	565902.6	4222567	0.003052	0.004036	1.45E-03	1.62E-03	4.42E-03	1.45E-03	4.01E-04	7.88E-04	4.73E-04	3.10E-04	4.39E-04	2.16E-04
644	565895.4	4222583	0.003017	0.00399	1.43E-03	1.60E-03	4.37E-03	1.43E-03	3.96E-04	7.79E-04	4.68E-04	3.07E-04	4.34E-04	2.13E-04
645	565891.8	4222591	0.002996	0.003962	1.42E-03	1.59E-03	4.34E-03	1.42E-03	3.93E-04	7.74E-04	4.64E-04	3.04E-04	4.31E-04	2.12E-04
646	565877.4	4222624	0.00284	0.003756	1.35E-03	1.51E-03	4.12E-03	1.35E-03	3.73E-04	7.34E-04	4.40E-04	2.89E-04	4.09E-04	2.01E-04
647	565873.8	4222632	0.002782	0.003679	1.32E-03	1.47E-03	4.03E-03	1.32E-03	3.65E-04	7.19E-04	4.31E-04	2.83E-04	4.00E-04	1.97E-04
648	565866.7	4222649	0.002656	0.003512	1.26E-03	1.41E-03	3.85E-03	1.26E-03	3.49E-04	6.86E-04	4.12E-04	2.70E-04	3.82E-04	1.88E-04
649	565859.5	4222665	0.002523	0.003337	1.20E-03	1.34E-03	3.66E-03	1.20E-03	3.31E-04	6.52E-04	3.91E-04	2.56E-04	3.63E-04	1.78E-04
650	565855.9	4222673	0.002449	0.003238	1.16E-03	1.30E-03	3.55E-03	1.16E-03	3.22E-04	6.33E-04	3.80E-04	2.49E-04	3.52E-04	1.73E-04
651	565848.7	4222690	0.00229	0.003029	1.09E-03	1.21E-03	3.32E-03	1.09E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.29E-04	1.62E-04
652	565841.5	4222706	0.002133	0.002821	1.01E-03	1.13E-03	3.09E-03	1.01E-03	2.80E-04	5.51E-04	3.31E-04	2.17E-04	3.07E-04	1.51E-04
653	565837.9	4222714	0.002056	0.00272	9.74E-04	1.09E-03	2.98E-03	9.74E-04	2.70E-04	5.31E-04	3.19E-04	2.09E-04	2.96E-04	1.45E-04
654	565830.7	4222731	0.0019	0.002512	9.00E-04	1.01E-03	2.75E-03	9.00E-04	2.49E-04	4.91E-04	2.94E-04	1.93E-04	2.73E-04	1.34E-04
655	565823.5	4222747	0.001745	0.002308	8.27E-04	9.25E-04	2.53E-03	8.27E-04	2.29E-04	4.51E-04	2.70E-04	1.77E-04	2.51E-04	1.23E-04
656	565816.3	4222764	0.001598	0.002113	7.57E-04	8.47E-04	2.32E-03	7.57E-04	2.10E-04	4.13E-04	2.48E-04	1.62E-04	2.30E-04	1.13E-04
657	565812.7	4222772	0.001526	0.002019	7.23E-04	8.09E-04	2.21E-03	7.23E-04	2.00E-04	3.94E-04	2.37E-04	1.55E-04	2.20E-04	1.08E-04
658	565790	4222808	0.001238	0.001637	5.86E-04	6.56E-04	1.79E-03	5.86E-04	1.63E-04	3.20E-04	1.92E-04	1.26E-04	1.78E-04	8.75E-05
659	565781.7	4222811	0.001203	0.001591	5.70E-04	6.38E-04	1.74E-03	5.70E-04	1.58E-04	3.11E-04	1.86E-04	1.22E-04	1.73E-04	8.51E-05
660	565765.1	4222818	0.001132	0.001496	5.36E-04	6.00E-04	1.64E-03	5.36E-04	1.49E-04	2.92E-04	1.75E-04	1.15E-04	1.63E-04	8.00E-05
661	565756.8	4222821	0.001096	0.001449	5.19E-04	5.81E-04	1.59E-03	5.19E-04	1.44E-04	2.83E-04	1.70E-04	1.11E-04	1.58E-04	7.75E-05
662	565723.5	4222835	0.000959	0.001268	4.54E-04	5.08E-04	1.39E-03	4.54E-04	1.26E-04	2.48E-04	1.49E-04	9.74E-05	1.38E-04	6.78E-05
663	565715.2	4222838	0.000928	0.001228	4.40E-04	4.92E-04	1.35E-03	4.40E-04	1.22E-04	2.40E-04	1.44E-04	9.43E-05	1.34E-04	6.56E-05
664	565698.5	4222845	0.000867	0.001147	4.11E-04	4.60E-04	1.26E-03	4.11E-04	1.14E-04	2.24E-04	1.34E-04	8.81E-05	1.25E-04	6.13E-05
665	565690.2	4222848	0.000834	0.001103	3.95E-04	4.42E-04	1.21E-03	3.95E-04	1.10E-04	2.16E-04	1.29E-04	8.48E-05	1.20E-04	5.90E-05
666	565673.6	4222854	0.00077	0.001019	3.65E-04	4.08E-04	1.12E-03	3.65E-04	1.01E-04	1.99E-04	1.19E-04	7.83E-05	1.11E-04	5.45E-05
667	565648.6	4222864	0.000686	0.000907	3.25E-04	3.64E-04	9.94E-04	3.25E-04	9.01E-05	1.77E-04	1.06E-04	6.97E-05	9.86E-05	4.85E-05
668	565632	4222871	0.000634	0.000838	3.00E-04	3.36E-04	9.19E-04	3.00E-04	8.32E-05	1.64E-04	9.82E-05	6.44E-05	9.12E-05	4.48E-05
669	565557.1	4222901	0.000505	0.000668	2.39E-04	2.68E-04	7.32E-04	2.39E-04	6.63E-05	1.30E-04	7.83E-05	5.13E-05	7.26E-05	3.57E-05
670	565928	4222500	0.003042	0.004023	1.44E-03	1.61E-03	4.41E-03	1.44E-03	3.99E-04	7.86E-04	4.72E-04	3.09E-04	4.38E-04	2.15E-04
671	565928.2	4222491	0.003062	0.004049	1.45E-03	1.62E-03	4.44E-03	1.45E-03	4.02E-04	7.91E-04	4.75E-04	3.11E-04	4.40E-04	2.17E-04
672	565928.4	4222482	0.003078	0.00407	1.46E-03	1.63E-03	4.46E-03	1.46E-03	4.04E-04	7.95E-04	4.77E-04	3.13E-04	4.43E-04	2.18E-04
673	565944.2	4222518	0.002852	0.003772	1.35E-03	1.51E-03	4.13E-03	1.35E-03	3.75E-04	7.37E-04	4.42E-04	2.90E-04	4.10E-04	2.02E-04
674	565937.1	4222534	0.002876	0.003804	1.36E-03	1.52E-03	4.17E-03	1.36E-03	3.78E-04	7.43E-04	4.46E-04	2.92E-04	4.14E-04	2.03E-04
675	565929.9	4222551	0.002889	0.00382	1.37E-03	1.53E-03	4.19E-03	1.37E-03	3.79E-04	7.46E-04	4.48E-04	2.94E-04	4.16E-04	2.04E-04
676	565922.8	4222567	0.002876	0.003804	1.36E-03	1.52E-03	4.17E-03	1.36E-03	3.78E-04	7.43E-04	4.46E-04	2.92E-04	4.14E-04	2.03E-04
677	565915.7	4222583	0.002849	0.003767	1.35E-03	1.51E-03	4.13E-03	1.35E-03	3.74E-04	7.36E-04	4.42E-04	2.89E-04	4.10E-04	2.01E-04
678	565908.5	4222599	0.002808	0.003713	1.33E-03	1.49E-03	4.07E-03	1.33E-03	3.69E-04	7.25E-04	4.35E-04	2.85E-04	4.04E-04	1.99E-04
679	565901.4	4222616	0.002751	0.003638	1.30E-03	1.46E-03	3.99E-03	1.30E-03	3.61E-04	7.11E-04	4.26E-04	2.80E-04	3.96E-04	1.95E-04
680	565890.7	4222640	0.00262	0.003465	1.24E-03	1.39E-03	3.80E-03	1.24E-03	3.44E-04	6.77E-04	4.06E-04	2.66E-04	3.77E-04	1.85E-04
681	565883.6	4222656	0.002507	0.003315	1.19E-03	1.33E-03	3.63E-03	1.19E-03	3.29E-04	6.48E-04	3.89E-04	2.55E-04	3.61E-04	1.77E-04
682	565876.4	4222673	0.002379	0.003146	1.13E-03	1.26E-03	3.45E-03	1.13E-03	3.12E-04	6.15E-04	3.69E-04	2.42E-04	3.42E-04	1.68E-04
683	565869.3	4222689	0.00224	0.002963	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.94E-04	5.79E-04	3.47E-04	2.28E-04	3.22E-04	1.58E-04
684	565862.2	4222705	0.0021	0.002777	9.95E-04	1.11E-03	3.04E-03	9.95E-04	2.76E-04	5.42E-04	3.25E-04	2.13E-04	3.02E-04	1.48E-04
685	565858.6	4222713	0.002031	0.002686	9.62E-04	1.08E-03	2.94E-03	9.62E-04	2.67E-04	5.25E-04	3.15E-04	2.06E-04	2.92E-04	1.44E-04
686	565844.3	4222746	0.001741	0.002303	8.25E-04	9.23E-04	2.52E-03	8.25E-04	2.29E-04	4.50E-04	2.70E-04	1.77E-04	2.50E-04	1.23E-04
687	565837.2	4222762	0.001599	0.002115	7.58E-04	8.48E-04	2.32E-03	7.58E-04	2.10E-04	4.13E-04	2.48E-04	1.63E-04	2.30E-04	1.13E-04
688	565830.1	4222778	0.001466	0.001939	6.95E-04	7.77E-04	2.13E-03	6.95E-04	1.93E-04	3.79E-04	2.27E-04	1.49E-04	2.11E-04	1.04E-04
689	565823	4222795	0.001343	0.001776	6.36E-04	7.12E-04	1.95E-03	6.36E-04	1.76E-04	3.47E-04	2.08E-04	1.37E-04	1.93E-04	9.50E-05
690	565804	4222822	0.001155	0.001528	5.47E-04	6.12E-04	1.67E-03	5.47E-04	1.52E-04	2.98E-04	1.79E-04	1.17E-04	1.66E-04	8.17E-05
691	565787.5	4222829	0.001101	0.001456	5.22E-04	5.84E-04	1.60E-03	5.22E-04	1.45E-04	2.84E-04	1.71E-04	1.12E-04	1.58E-04	7.79E-05
692	565771	4222836	0.001036	0.00137	4.91E-04	5.49E-04	1.50E-03	4.91E-04	1.36E-04	2.68E-04	1.61E-04	1.05E-04	1.49E-04	7.33E-05
693	565738	4222849	0.000905	0.001197	4.29E-04	4.80E-04	1.31E-03	4.29E-04	1.19E-04	2.34E-04	1.40E-04	9.20E-05	1.30E-04	6.40E-05
694	565721.5	4222855	0.000842	0.001113	3.99E-04	4.46E-04	1.22E-03	3.99E-04	1.11E-04	2.17E-04	1.30E-04	8.55E-05	1.21E-04	5.95E-05
695	565705	4222862	0.000781	0.001032	3.70E-04	4.14E-04	1.13E-03	3.70E-04	1.03E-04	2.02E-04	1.21E-04	7.93E-05	1.12E-04	5.52E-05
696	565688.5	4222868	0.000724	0.000958	3.43E-04	3.84E-04	1.05E-03	3.43E-04	9.51E-05	1.87E-04	1.12E-04	7.36E-05	1.04E-04	5.12E-05
697	565672	4222875	0.000675	0.000892	3.20E-04	3.58E-04	9.78E-04	3.20E-04	8.86E-05	1.74E-04	1.05E-04	6.86E-05	9.71E-05	4.77E-05
698	565655.5	4222882	0.000627	0.000829	2.97E-04	3.32E-04	9.09E-04	2.97E-04	8.23E-05	1.62E-04	9.72E-05	6.37E-05	9.02E-05	4.43E-05
699	565639	4222888	0.000584	0.000772	2.77E-04	3.10E-04	8.46E-04	2.77E-04	7.67E-05	1.51E-04	9.05E-05	5.93E-05	8.40E-05	4.13E-05
700	565948	4222501	0.002862	0.003785	1.36E-03	1.52E-03	4.15E-03	1.36E-03	3.76E-04	7.39E-04	4.44E-04	2.91E-04	4.12E-04	2.02E-04
701	565948.2	4222492	0.002879	0.003807	1.36E-03	1.53E-03	4.17E-03	1.36E-03	3.78E-04	7.44E-04	4.46E-04	2.93E-04	4.14E-04	2.04E-04
702	565948.4	4222483	0.002891	0.003823	1.37E-03	1.53E-03	4.19E-03	1.37E-03	3.80E-04	7.47E-04	4.48E-04	2.94E-04	4.16E-04	2.04E-04
703	565964.2	4222518	0.00269	0.003558	1.27E-03	1.43E-03	3.90E-03	1.27E-03	3.53E-04	6.95E-04	4.17E-04	2.73E-04	3.87E-04	1.90E-04
704	565957.1	4222535	0.002708	0.003581	1.28E-03	1.44E-03	3.93E-03	1.28E-03	3.56E-04	7.00E-04	4.20E-04	2.75E-04	3.90E-04	1.92E-04
705	565950.1	4222551	0.002718	0.003595	1.29E-03	1.44E-03	3.94E-03	1.29E-03	3.57E-04	7.02E-04	4.21E-04	2.76E-04	3.91E-04	1.92E-04
706	565946.5	4222559	0.002717	0.003593	1.29E-03	1.44E-03	3.94E-03	1.29E-03	3.57E-04	7.02E-04	4.21E-04	2.76E-04	3.91E-04	1.92E-04
707	565939.4	4222575	0.002704	0.003576	1.28E-03	1.43E-03	3.92E-03	1.28E-03	3.55E-04	6.99E-04	4.19E-04	2.75E-04	3.89E-04	1.91E-04
708	565932.4	4222591	0.002677	0.003541	1.27E-03	1.42E-03	3.88E-03	1.27E-03	3.52E-04	6.92E-04	4.15E-04	2.72E-04	3.85E-04	1.89E-04
709	565925.3	4222607	0.002637	0.003487	1.25E-03	1.40E-03	3.82E-03	1.25E-03	3.46E-04	6.81E-04	4.09E-04	2.68E-04	3.79E-04	1.86E-04
710	565918.2	4222623	0.00258	0.003412	1.22E-03	1.37E-03	3.74E-03	1.22E-03	3.39E-04	6.67E-04	4.00E-04	2.62E-04	3.71E-04	1.82E-04
711	565904	4222656	0.002413	0.003192	1.14E-03	1.28E-03	3.50E-03	1.14E-03	3.17E-04	6.23E-04	3.74E-04	2.45E-04	3.47E-04	1.71E-04
712	565900.5	4222664	0.00236	0.003121	1.12E-03	1.25E-03	3.42E-03	1.12E-03	3.10E-04	6.10E-04	3.66E-04	2.40E-04	3.39E-04	1.67E-04
713	565893.4	4222680	0.002244	0.002968	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.95E-04	5.80E-04	3.48E-04	2.28E-04	3.23E-04	1.59E-04
714	565886.3	4222696	0.002119	0.002802	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.47E-04	3.28E-04	2.15E-04	3.05E-04	1.50E-04
715	565879.3	4222712	0.001988	0.002629	9.42E-04	1.05E-03	2.88E-03	9.42E-04	2.61E-04	5.14E-04	3.08E-04	2.02E-04	2.86E-04	1.41E-04
716	565872.2	4222728	0.001858	0.002457	8.80E-04	9.85E-04	2.69E-03	8.80E-04	2.44E-04	4.80E-04	2.88E-04	1.89E-04	2.67E-04	1.31E-04
717	565858	4222761	0.001589	0.002101	7.53E-04	8.42E-04	2.30E-03	7.53E-04	2.09E-04	4.10E-04	2.46E-04	1.61E-04	2.29E-04	1.12E-04
718	565854.5	4222769	0.001523	0.002014	7.21E-04	8.07E-04	2.21E-03	7.21E-04	2.00E-04	3.93E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
719	565847.4	4222785	0.001397	0.001847	6.62E-04	7.40E-04	2.02E-03	6.62E-04	1.83E-04	3.61E-04	2.17E-04	1.42E-04	2.01E-04	9.88E-05
720	565840.3	4222801	0.001286	0.001701	6.09E-04	6.82E-04	1.86E-03	6.09E-04	1.69E-04	3.32E-04	1.99E-04	1.31E-04	1.85E-04	9.09E-05
721	565818	4222837	0.00109	0.001441	5.16E-04	5.78E-04	1.58E-03	5.16E-04	1.43E-04	2.81E-04	1.69E-04	1.11E-04	1.57E-04	7.70E-05
722	565801.6	4222843	0.001039	0.001374	4.92E-04	5.51E-04	1.51E-03	4.92E-04	1.36E-04	2.68E-04	1.61E-04	1.06E-04	1.49E-04	7.35E-05
723	565785.2	4222850	0.00098	0.001296	4.64E-04	5.20E-04	1.42E-03	4.64E-04	1.29E-04	2.53E-04	1.52E-04	9.96E-05	1.41E-04	6.93E-05
724	565752.4	4222863	0.000849	0.001123	4.02E-04	4.50E-04	1.23E-03	4.02E-04	1.12E-04	2.19E-04	1.32E-04	8.63E-05	1.22E-04	6.01E-05
725	565736.1	4222869	0.000788	0.001043	3.73E-04	4.18E-04	1.14E-03	3.73E-04	1.04E-04	2.04E-04	1.22E-04	8.01E-05	1.13E-04	5.58E-05

726	565719.7	4222876	0.000731	0.000967	3.46E-04	3.88E-04	1.06E-03	3.46E-04	9.60E-05	1.89E-04	1.13E-04	7.43E-05	1.05E-04	5.17E-05
727	565703.3	4222882	0.000678	0.000896	3.21E-04	3.59E-04	9.82E-04	3.21E-04	8.90E-05	1.75E-04	1.05E-04	6.89E-05	9.75E-05	4.79E-05
728	565686.9	4222889	0.000635	0.000839	3.01E-04	3.37E-04	9.20E-04	3.01E-04	8.34E-05	1.64E-04	9.84E-05	6.45E-05	9.13E-05	4.49E-05
729	565670.5	4222896	0.000595	0.000787	2.82E-04	3.16E-04	8.63E-04	2.82E-04	7.82E-05	1.54E-04	9.23E-05	6.05E-05	8.56E-05	4.21E-05
730	565654.1	4222902	0.000556	0.000735	2.63E-04	2.95E-04	8.06E-04	2.63E-04	7.30E-05	1.44E-04	8.62E-05	5.65E-05	8.00E-05	3.93E-05
731	565547.7	4222945	0.000421	0.000557	2.00E-04	2.23E-04	6.10E-04	2.00E-04	5.53E-05	1.09E-04	6.53E-05	4.28E-05	6.06E-05	2.98E-05
732	565968	4222501	0.002698	0.003568	1.28E-03	1.43E-03	3.91E-03	1.28E-03	3.54E-04	6.97E-04	4.18E-04	2.74E-04	3.88E-04	1.91E-04
733	565968.2	4222492	0.002712	0.003586	1.28E-03	1.44E-03	3.93E-03	1.28E-03	3.56E-04	7.01E-04	4.20E-04	2.76E-04	3.90E-04	1.92E-04
734	565968.4	4222483	0.002722	0.003599	1.29E-03	1.44E-03	3.95E-03	1.29E-03	3.57E-04	7.03E-04	4.22E-04	2.77E-04	3.91E-04	1.92E-04
735	565984.1	4222519	0.002536	0.003354	1.20E-03	1.34E-03	3.68E-03	1.20E-03	3.33E-04	6.55E-04	3.93E-04	2.58E-04	3.65E-04	1.79E-04
736	565976.9	4222535	0.002554	0.003377	1.21E-03	1.35E-03	3.70E-03	1.21E-03	3.35E-04	6.60E-04	3.96E-04	2.60E-04	3.67E-04	1.81E-04
737	565969.7	4222552	0.00256	0.003385	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.61E-04	3.97E-04	2.60E-04	3.68E-04	1.81E-04
738	565962.5	4222568	0.002557	0.003382	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.61E-04	3.96E-04	2.60E-04	3.68E-04	1.81E-04
739	565955.3	4222585	0.00254	0.00336	1.20E-03	1.35E-03	3.68E-03	1.20E-03	3.34E-04	6.56E-04	3.94E-04	2.58E-04	3.65E-04	1.80E-04
740	565948.1	4222601	0.002513	0.003324	1.19E-03	1.33E-03	3.64E-03	1.19E-03	3.30E-04	6.49E-04	3.90E-04	2.55E-04	3.61E-04	1.78E-04
741	565944.5	4222609	0.002495	0.003299	1.18E-03	1.32E-03	3.62E-03	1.18E-03	3.28E-04	6.44E-04	3.87E-04	2.54E-04	3.59E-04	1.76E-04
742	565937.3	4222626	0.002438	0.003224	1.15E-03	1.29E-03	3.53E-03	1.15E-03	3.20E-04	6.30E-04	3.78E-04	2.48E-04	3.51E-04	1.72E-04
743	565930.1	4222642	0.002375	0.00314	1.13E-03	1.26E-03	3.44E-03	1.13E-03	3.12E-04	6.13E-04	3.68E-04	2.41E-04	3.42E-04	1.68E-04
744	565915.7	4222675	0.002199	0.002909	1.04E-03	1.17E-03	3.19E-03	1.04E-03	2.89E-04	5.68E-04	3.41E-04	2.24E-04	3.16E-04	1.56E-04
745	565912.1	4222683	0.002145	0.002837	1.02E-03	1.14E-03	3.11E-03	1.02E-03	2.82E-04	5.54E-04	3.33E-04	2.18E-04	3.09E-04	1.52E-04
746	565904.9	4222700	0.002031	0.002685	9.62E-04	1.08E-03	2.94E-03	9.62E-04	2.67E-04	5.25E-04	3.15E-04	2.06E-04	2.92E-04	1.44E-04
747	565897.7	4222716	0.001908	0.002524	9.04E-04	1.01E-03	2.77E-03	9.04E-04	2.51E-04	4.93E-04	2.96E-04	1.94E-04	2.75E-04	1.35E-04
748	565890.5	4222733	0.00178	0.002353	8.43E-04	9.43E-04	2.58E-03	8.43E-04	2.34E-04	4.60E-04	2.76E-04	1.81E-04	2.56E-04	1.26E-04
749	565886.9	4222741	0.001715	0.002268	8.12E-04	9.09E-04	2.49E-03	8.12E-04	2.25E-04	4.43E-04	2.66E-04	1.74E-04	2.47E-04	1.21E-04
750	565872.5	4222774	0.001456	0.001925	6.90E-04	7.72E-04	2.11E-03	6.90E-04	1.91E-04	3.76E-04	2.26E-04	1.48E-04	2.09E-04	1.03E-04
751	565865.3	4222790	0.001339	0.001771	6.34E-04	7.10E-04	1.94E-03	6.34E-04	1.76E-04	3.46E-04	2.08E-04	1.36E-04	1.93E-04	9.47E-05
752	565858.1	4222807	0.001239	0.001638	5.87E-04	6.57E-04	1.80E-03	5.87E-04	1.63E-04	3.20E-04	1.92E-04	1.26E-04	1.78E-04	8.76E-05
753	565854.5	4222815	0.001186	0.001568	5.62E-04	6.29E-04	1.72E-03	5.62E-04	1.56E-04	3.06E-04	1.84E-04	1.20E-04	1.71E-04	8.39E-05
754	565831.7	4222851	0.001033	0.001366	4.89E-04	5.48E-04	1.50E-03	4.89E-04	1.36E-04	2.67E-04	1.60E-04	1.05E-04	1.49E-04	7.30E-05
755	565823.4	4222854	0.001009	0.001335	4.78E-04	5.35E-04	1.46E-03	4.78E-04	1.33E-04	2.61E-04	1.56E-04	1.03E-04	1.45E-04	7.14E-05
756	565815.1	4222858	0.000982	0.001299	4.65E-04	5.21E-04	1.42E-03	4.65E-04	1.29E-04	2.54E-04	1.52E-04	9.98E-05	1.41E-04	6.95E-05
757	565798.4	4222864	0.000927	0.001226	4.39E-04	4.92E-04	1.34E-03	4.39E-04	1.22E-04	2.39E-04	1.44E-04	9.42E-05	1.33E-04	6.56E-05
758	565790.1	4222868	0.000897	0.001187	4.25E-04	4.76E-04	1.30E-03	4.25E-04	1.18E-04	2.32E-04	1.39E-04	9.12E-05	1.29E-04	6.35E-05
759	565773.4	4222874	0.000829	0.001096	3.93E-04	4.39E-04	1.20E-03	3.93E-04	1.09E-04	2.14E-04	1.28E-04	8.42E-05	1.19E-04	5.86E-05
760	565756.7	4222881	0.000765	0.001012	3.62E-04	4.06E-04	1.11E-03	3.62E-04	1.00E-04	1.98E-04	1.19E-04	7.77E-05	1.10E-04	5.41E-05
761	565748.4	4222884	0.000738	0.000976	3.50E-04	3.91E-04	1.07E-03	3.50E-04	9.70E-05	1.91E-04	1.14E-04	7.50E-05	1.06E-04	5.22E-05
762	565731.7	4222891	0.000687	0.000908	3.25E-04	3.64E-04	9.96E-04	3.25E-04	9.02E-05	1.77E-04	1.06E-04	6.98E-05	9.88E-05	4.86E-05
763	565723.4	4222894	0.000661	0.000874	3.13E-04	3.50E-04	9.58E-04	3.13E-04	8.68E-05	1.71E-04	1.02E-04	6.72E-05	9.51E-05	4.67E-05
764	565698.4	4222904	0.000589	0.000779	2.79E-04	3.12E-04	8.54E-04	2.79E-04	7.73E-05	1.52E-04	9.13E-05	5.98E-05	8.47E-05	4.16E-05
765	565681.7	4222911	0.000554	0.000732	2.62E-04	2.94E-04	8.03E-04	2.62E-04	7.27E-05	1.43E-04	8.59E-05	5.63E-05	7.97E-05	3.92E-05
766	565673.4	4222914	0.000537	0.00071	2.55E-04	2.85E-04	7.79E-04	2.55E-04	7.06E-05	1.39E-04	8.33E-05	5.46E-05	7.73E-05	3.80E-05
767	565656.7	4222921	0.000503	0.000666	2.38E-04	2.67E-04	7.30E-04	2.38E-04	6.61E-05	1.30E-04	7.80E-05	5.12E-05	7.24E-05	3.56E-05
768	565556.7	4222961	0.000396	0.000524	1.88E-04	2.10E-04	5.74E-04	1.88E-04	5.20E-05	1.02E-04	6.14E-05	4.03E-05	5.70E-05	2.80E-05
769	565988	4222502	0.002542	0.003362	1.20E-03	1.35E-03	3.69E-03	1.20E-03	3.34E-04	6.57E-04	3.94E-04	2.58E-04	3.66E-04	1.80E-04
770	565988.2	4222493	0.002557	0.003382	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.61E-04	3.96E-04	2.60E-04	3.68E-04	1.81E-04
771	565988.4	4222484	0.002567	0.003395	1.22E-03	1.36E-03	3.72E-03	1.22E-03	3.37E-04	6.63E-04	3.98E-04	2.61E-04	3.69E-04	1.82E-04
772	566004.2	4222519	0.002389	0.003159	1.13E-03	1.27E-03	3.46E-03	1.13E-03	3.14E-04	6.17E-04	3.70E-04	2.43E-04	3.44E-04	1.69E-04
773	565997	4222536	0.002414	0.003193	1.14E-03	1.28E-03	3.50E-03	1.14E-03	3.17E-04	6.24E-04	3.74E-04	2.45E-04	3.47E-04	1.71E-04
774	565989.9	4222552	0.002423	0.003204	1.15E-03	1.28E-03	3.51E-03	1.15E-03	3.18E-04	6.26E-04	3.76E-04	2.46E-04	3.49E-04	1.71E-04
775	565982.7	4222568	0.002416	0.003195	1.14E-03	1.28E-03	3.50E-03	1.14E-03	3.17E-04	6.24E-04	3.74E-04	2.45E-04	3.47E-04	1.71E-04
776	565975.6	4222585	0.002398	0.003171	1.14E-03	1.27E-03	3.48E-03	1.14E-03	3.15E-04	6.19E-04	3.72E-04	2.44E-04	3.45E-04	1.70E-04
777	565972	4222593	0.002383	0.003152	1.13E-03	1.26E-03	3.46E-03	1.13E-03	3.13E-04	6.16E-04	3.69E-04	2.42E-04	3.43E-04	1.69E-04
778	565964.8	4222609	0.002352	0.003111	1.11E-03	1.25E-03	3.41E-03	1.11E-03	3.09E-04	6.08E-04	3.65E-04	2.39E-04	3.38E-04	1.66E-04
779	565961.3	4222617	0.002336	0.003089	1.11E-03	1.24E-03	3.39E-03	1.11E-03	3.07E-04	6.03E-04	3.62E-04	2.37E-04	3.36E-04	1.65E-04
780	565954.1	4222634	0.002288	0.003025	1.08E-03	1.21E-03	3.32E-03	1.08E-03	3.00E-04	5.91E-04	3.55E-04	2.32E-04	3.29E-04	1.62E-04
781	565950.5	4222642	0.00226	0.002989	1.07E-03	1.20E-03	3.28E-03	1.07E-03	2.97E-04	5.84E-04	3.50E-04	2.30E-04	3.25E-04	1.60E-04
782	565943.4	4222658	0.0022	0.00291	1.04E-03	1.17E-03	3.19E-03	1.04E-03	2.89E-04	5.68E-04	3.41E-04	2.24E-04	3.16E-04	1.56E-04
783	565932.6	4222683	0.002075	0.002745	9.83E-04	1.10E-03	3.01E-03	9.83E-04	2.73E-04	5.36E-04	3.22E-04	2.11E-04	2.99E-04	1.47E-04
784	565929.1	4222691	0.002026	0.00268	9.60E-04	1.07E-03	2.94E-03	9.60E-04	2.66E-04	5.23E-04	3.14E-04	2.06E-04	2.91E-04	1.43E-04
785	565921.9	4222707	0.001922	0.002542	9.11E-04	1.02E-03	2.79E-03	9.11E-04	2.52E-04	4.97E-04	2.98E-04	1.95E-04	2.76E-04	1.36E-04
786	565918.3	4222715	0.001867	0.00247	8.85E-04	9.90E-04	2.71E-03	8.85E-04	2.45E-04	4.82E-04	2.89E-04	1.90E-04	2.69E-04	1.32E-04
787	565911.2	4222732	0.001749	0.002314	8.29E-04	9.27E-04	2.54E-03	8.29E-04	2.30E-04	4.52E-04	2.71E-04	1.78E-04	2.52E-04	1.24E-04
788	565907.6	4222740	0.001686	0.00223	7.99E-04	8.94E-04	2.44E-03	7.99E-04	2.21E-04	4.36E-04	2.61E-04	1.71E-04	2.43E-04	1.19E-04
789	565900.5	4222756	0.001564	0.002068	7.41E-04	8.29E-04	2.27E-03	7.41E-04	2.05E-04	4.04E-04	2.42E-04	1.59E-04	2.25E-04	1.11E-04
790	565896.9	4222764	0.001507	0.001992	7.14E-04	7.99E-04	2.18E-03	7.14E-04	1.98E-04	3.89E-04	2.34E-04	1.53E-04	2.17E-04	1.07E-04
791	565882.6	4222797	0.001285	0.001699	6.09E-04	6.81E-04	1.86E-03	6.09E-04	1.69E-04	3.32E-04	1.99E-04	1.31E-04	1.85E-04	9.09E-05
792	565875.4	4222813	0.001204	0.001592	5.70E-04	6.38E-04	1.75E-03	5.70E-04	1.58E-04	3.11E-04	1.87E-04	1.22E-04	1.73E-04	8.51E-05
793	565871.8	4222821	0.001163	0.001538	5.51E-04	6.17E-04	1.69E-03	5.51E-04	1.53E-04	3.00E-04	1.80E-04	1.18E-04	1.67E-04	8.22E-05
794	565864.7	4222838	0.001094	0.001446	5.18E-04	5.80E-04	1.59E-03	5.18E-04	1.44E-04	2.83E-04	1.70E-04	1.11E-04	1.57E-04	7.73E-05
795	565845.7	4222865	0.000977	0.001291	4.63E-04	5.18E-04	1.42E-03	4.63E-04	1.28E-04	2.52E-04	1.51E-04	9.92E-05	1.40E-04	6.91E-05
796	565829.1	4222872	0.000931	0.001231	4.41E-04	4.93E-04	1.35E-03	4.41E-04	1.22E-04	2.40E-04	1.44E-04	9.46E-05	1.34E-04	6.58E-05
797	565812.6	4222879	0.00088	0.001164	4.17E-04	4.66E-04	1.28E-03	4.17E-04	1.16E-04	2.27E-04	1.36E-04	8.94E-05	1.27E-04	6.22E-05
798	565779.5	4222892	0.000764	0.00101	3.62E-04	4.05E-04	1.11E-03	3.62E-04	1.00E-04	1.97E-04	1.18E-04	7.76E-05	1.10E-04	5.40E-05
799	565762.9	4222899	0.000702	0.000928	3.32E-04	3.72E-04	1.02E-03	3.32E-04	9.21E-05	1.81E-04	1.09E-04	7.13E-05	1.01E-04	4.96E-05
800	565746.4	4222905	0.000655	0.000866	3.10E-04	3.47E-04	9.49E-04	3.10E-04	8.60E-05	1.69E-04	1.02E-04	6.66E-05	9.42E-05	4.63E-05
801	565696.7	4222925	0.000526	0.000695	2.49E-04	2.79E-04	7.62E-04	2.49E-04	6.91E-05	1.36E-04	8.15E-05	5.34E-05	7.56E-05	3.72E-05
802	565680.2	4222932	0.000494	0.000653	2.34E-04	2.62E-04	7.16E-04	2.34E-04	6.49E-05	1.28E-04	7.66E-05	5.02E-05	7.11E-05	3.49E-05
803	565663.6	4222938	0.000465	0.000615	2.20E-04	2.47E-04	6.75E-04	2.20E-04	6.11E-05	1.20E-04	7.21E-05	4.73E-05	6.69E-05	3.29E-05
804	565556.1	4222981	0.000371	0.000491	1.76E-04	1.97E-04	5.38E-04	1.76E-04	4.87E-05	9.58E-05	5.75E-05	3.77E-05	5.34E-05	2.62E-05
805	566008	4222502	0.002401	0.003175	1.14E-03	1.27E-03	3.48E-03	1.14E-03	3.15E-04	6.20E-04	3.72E-04	2.44E-04	3.45E-04	1.70E-04
806	566008.2	4222493	0.002416	0.003195	1.14E-03	1.28E-03	3.50E-03	1.14E-03	3.17E-04	6.24E-04	3.74E-04	2.45E-04	3.47E-04	1.71E-04
807	566008.4	4222484	0.002427	0.003209	1.15E-03	1.29E-03	3.52E-03	1.15E-03	3.19E-04	6.27E-04	3.76E-04	2.47E-04	3.49E-04	1.72E-04
808	566024.2	4222520	0.002276	0.00301	1.08E-03	1.21E-03	3.30E-03	1.08E-03	2.99E-04	5.88E-04	3.53E-04	2.31E-04	3.27E-04	1.61E-04
809	566017.1	4222536	0.002292	0.003031	1.09E-03	1.22E-03	3.32E-03	1.09E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.30E-04	1.62E-04
810	566010	4222552	0.002298	0.003039	1.09E-03	1.22E-03	3.33E-03	1.09E-03	3.02E-04	5.94E-04	3.56E-04	2.34E-04	3.31E-04	1.63E-04
811	566002.9	4222569	0.002286	0.003023	1.08E-03	1.21E-03	3.31E-03	1.08E-03	3.00E-04	5.90E-04	3.54E-04	2.32E-04	3.29E-04	1.62E-04
812	565995.8	4222585	0.002268	0.002999	1.07E-03	1.20E-03	3.29E-03	1.07E-03	2.98E-04	5.86E-04	3.52E-04	2.30E-04	3.26E-04	1.60E-04
813	565992.2	4222593	0.002255	0.002983	1.07E-03	1.20E-03	3.27E-03	1.07E-03	2.96E-04	5.83E-04	3.50E-04	2.29E-04	3.24E-04	1.60E-04
814	565985.1	4222609	0.002225	0.002942	1.05E-03	1.18E-03	3.23E-03	1.05E-03	2.92E-04	5.75E-04	3.45E-04	2.26E-04	3.20E-04	1.57E-04
815	565978	4222625	0.002196	0.002905	1.04E-03	1.16E-03	3.18E-03	1.04E-03	2.88E-04	5.67E-04	3.40E-04	2.23E-04	3.16E-04	1.55E-04
816	565970.9	4222641	0.002158	0.002854	1.02E-03	1.14E-03	3.13E-03	1.02E-03	2.83E-04	5.57E-04	3.34E-04	2.19E-04	3.10E-04	1.53E-04

817	565963.8	4222658	0.002109	0.002789	9.99E-04	1.12E-03	3.06E-03	9.99E-04	2.77E-04	5.45E-04	3.27E-04	2.14E-04	3.03E-04	1.49E-04
818	565960.2	4222666	0.00208	0.002751	9.85E-04	1.10E-03	3.02E-03	9.85E-04	2.73E-04	5.37E-04	3.22E-04	2.11E-04	2.99E-04	1.47E-04
819	565946	4222698	0.001915	0.002533	9.07E-04	1.02E-03	2.78E-03	9.07E-04	2.52E-04	4.95E-04	2.97E-04	1.95E-04	2.75E-04	1.35E-04
820	565942.5	4222706	0.001869	0.002471	8.85E-04	9.91E-04	2.71E-03	8.85E-04	2.45E-04	4.83E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
821	565935.4	4222723	0.001771	0.002342	8.39E-04	9.39E-04	2.57E-03	8.39E-04	2.33E-04	4.57E-04	2.74E-04	1.80E-04	2.55E-04	1.25E-04
822	565928.3	4222739	0.001662	0.002198	7.87E-04	8.81E-04	2.41E-03	7.87E-04	2.18E-04	4.29E-04	2.58E-04	1.69E-04	2.39E-04	1.18E-04
823	565924.7	4222747	0.001604	0.002121	7.60E-04	8.50E-04	2.33E-03	7.60E-04	2.11E-04	4.14E-04	2.49E-04	1.63E-04	2.31E-04	1.13E-04
824	565917.6	4222763	0.001492	0.001973	7.07E-04	7.91E-04	2.16E-03	7.07E-04	1.96E-04	3.85E-04	2.31E-04	1.52E-04	2.15E-04	1.06E-04
825	565910.5	4222779	0.001392	0.001841	6.59E-04	7.38E-04	2.02E-03	6.59E-04	1.83E-04	3.60E-04	2.16E-04	1.41E-04	2.00E-04	9.84E-05
826	565896.3	4222812	0.001209	0.001599	5.73E-04	6.41E-04	1.75E-03	5.73E-04	1.59E-04	3.12E-04	1.87E-04	1.23E-04	1.74E-04	8.55E-05
827	565892.7	4222820	0.001171	0.001548	5.55E-04	6.21E-04	1.70E-03	5.55E-04	1.54E-04	3.02E-04	1.81E-04	1.19E-04	1.68E-04	8.28E-05
828	565885.6	4222836	0.001091	0.001443	5.17E-04	5.79E-04	1.58E-03	5.17E-04	1.43E-04	2.82E-04	1.69E-04	1.11E-04	1.57E-04	7.72E-05
829	565878.5	4222852	0.001021	0.001351	4.84E-04	5.41E-04	1.48E-03	4.84E-04	1.34E-04	2.64E-04	1.58E-04	1.04E-04	1.47E-04	7.22E-05
830	565859.7	4222880	0.00092	0.001217	4.36E-04	4.88E-04	1.33E-03	4.36E-04	1.21E-04	2.38E-04	1.43E-04	9.35E-05	1.32E-04	6.51E-05
831	565843.2	4222886	0.00088	0.001163	4.17E-04	4.66E-04	1.28E-03	4.17E-04	1.16E-04	2.27E-04	1.36E-04	8.94E-05	1.27E-04	6.22E-05
832	565826.8	4222893	0.000831	0.001099	3.94E-04	4.41E-04	1.21E-03	3.94E-04	1.09E-04	2.15E-04	1.29E-04	8.45E-05	1.20E-04	5.88E-05
833	565793.9	4222906	0.000735	0.000972	3.48E-04	3.90E-04	1.07E-03	3.48E-04	9.66E-05	1.90E-04	1.14E-04	7.47E-05	1.06E-04	5.20E-05
834	565777.4	4222913	0.000677	0.000896	3.21E-04	3.59E-04	9.82E-04	3.21E-04	8.90E-05	1.75E-04	1.05E-04	6.88E-05	9.74E-05	4.79E-05
835	565761	4222919	0.000624	0.000825	2.96E-04	3.31E-04	9.04E-04	2.96E-04	8.19E-05	1.61E-04	9.67E-05	6.34E-05	8.97E-05	4.41E-05
836	565744.6	4222926	0.00058	0.000766	2.75E-04	3.07E-04	8.40E-04	2.75E-04	7.61E-05	1.50E-04	8.98E-05	5.89E-05	8.34E-05	4.10E-05
837	565728.1	4222932	0.000538	0.000711	2.55E-04	2.85E-04	7.80E-04	2.55E-04	7.06E-05	1.39E-04	8.34E-05	5.46E-05	7.73E-05	3.80E-05
838	565711.7	4222939	0.000504	0.000666	2.39E-04	2.67E-04	7.31E-04	2.39E-04	6.62E-05	1.30E-04	7.81E-05	5.12E-05	7.25E-05	3.56E-05
839	566028	4222503	0.00228	0.003016	1.08E-03	1.21E-03	3.31E-03	1.08E-03	2.99E-04	5.89E-04	3.53E-04	2.32E-04	3.28E-04	1.61E-04
840	566028.2	4222494	0.00229	0.003028	1.08E-03	1.21E-03	3.32E-03	1.08E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.29E-04	1.62E-04
841	566028.4	4222485	0.002297	0.003038	1.09E-03	1.22E-03	3.33E-03	1.09E-03	3.02E-04	5.94E-04	3.56E-04	2.33E-04	3.30E-04	1.62E-04
842	566044.1	4222520	0.002171	0.002871	1.03E-03	1.15E-03	3.15E-03	1.03E-03	2.85E-04	5.61E-04	3.37E-04	2.21E-04	3.12E-04	1.54E-04
843	566036.9	4222537	0.002183	0.002886	1.03E-03	1.16E-03	3.16E-03	1.03E-03	2.87E-04	5.64E-04	3.38E-04	2.22E-04	3.14E-04	1.54E-04
844	566029.7	4222553	0.002181	0.002884	1.03E-03	1.16E-03	3.16E-03	1.03E-03	2.86E-04	5.63E-04	3.38E-04	2.22E-04	3.14E-04	1.54E-04
845	566022.5	4222570	0.002163	0.00286	1.02E-03	1.15E-03	3.14E-03	1.02E-03	2.84E-04	5.59E-04	3.35E-04	2.20E-04	3.11E-04	1.53E-04
846	566015.3	4222586	0.002144	0.002835	1.02E-03	1.14E-03	3.11E-03	1.02E-03	2.82E-04	5.54E-04	3.32E-04	2.18E-04	3.08E-04	1.52E-04
847	566008	4222603	0.00212	0.002803	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.48E-04	3.29E-04	2.15E-04	3.05E-04	1.50E-04
848	566000.8	4222619	0.002098	0.002774	9.94E-04	1.11E-03	3.04E-03	9.94E-04	2.75E-04	5.42E-04	3.25E-04	2.13E-04	3.02E-04	1.48E-04
849	565993.6	4222636	0.002069	0.002737	9.80E-04	1.10E-03	3.00E-03	9.80E-04	2.72E-04	5.35E-04	3.21E-04	2.10E-04	2.98E-04	1.46E-04
850	565990	4222644	0.002048	0.002709	9.70E-04	1.09E-03	2.97E-03	9.70E-04	2.69E-04	5.29E-04	3.18E-04	2.08E-04	2.95E-04	1.45E-04
851	565982.8	4222660	0.002003	0.002649	9.49E-04	1.06E-03	2.90E-03	9.49E-04	2.63E-04	5.17E-04	3.11E-04	2.04E-04	2.88E-04	1.42E-04
852	565975.6	4222677	0.001946	0.002573	9.22E-04	1.03E-03	2.82E-03	9.22E-04	2.56E-04	5.03E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
853	565968.4	4222693	0.001873	0.002477	8.87E-04	9.93E-04	2.72E-03	8.87E-04	2.46E-04	4.84E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
854	565961.1	4222710	0.00179	0.002367	8.48E-04	9.49E-04	2.59E-03	8.48E-04	2.35E-04	4.62E-04	2.77E-04	1.82E-04	2.57E-04	1.27E-04
855	565953.9	4222726	0.0017	0.002248	8.05E-04	9.01E-04	2.46E-03	8.05E-04	2.23E-04	4.39E-04	2.64E-04	1.73E-04	2.45E-04	1.20E-04
856	565946.7	4222743	0.001606	0.002124	7.61E-04	8.52E-04	2.33E-03	7.61E-04	2.11E-04	4.15E-04	2.49E-04	1.63E-04	2.31E-04	1.14E-04
857	565943.1	4222751	0.001556	0.002057	7.37E-04	8.25E-04	2.26E-03	7.37E-04	2.04E-04	4.02E-04	2.41E-04	1.58E-04	2.24E-04	1.10E-04
858	565935.9	4222767	0.001459	0.001929	6.91E-04	7.73E-04	2.11E-03	6.91E-04	1.92E-04	3.77E-04	2.26E-04	1.48E-04	2.10E-04	1.03E-04
859	565928.7	4222784	0.001363	0.001803	6.46E-04	7.23E-04	1.98E-03	6.46E-04	1.79E-04	3.52E-04	2.11E-04	1.39E-04	1.96E-04	9.64E-05
860	565914.2	4222817	0.001175	0.001554	5.57E-04	6.23E-04	1.70E-03	5.57E-04	1.54E-04	3.03E-04	1.82E-04	1.19E-04	1.69E-04	8.31E-05
861	565907	4222833	0.001113	0.001472	5.27E-04	5.90E-04	1.61E-03	5.27E-04	1.46E-04	2.88E-04	1.73E-04	1.13E-04	1.60E-04	7.87E-05
862	565899.8	4222850	0.001043	0.00138	4.94E-04	5.53E-04	1.51E-03	4.94E-04	1.37E-04	2.70E-04	1.62E-04	1.06E-04	1.50E-04	7.38E-05
863	565873.4	4222894	0.000858	0.001135	4.07E-04	4.55E-04	1.24E-03	4.07E-04	1.13E-04	2.22E-04	1.33E-04	8.72E-05	1.23E-04	6.07E-05
864	565856.7	4222901	0.000827	0.001094	3.92E-04	4.39E-04	1.20E-03	3.92E-04	1.09E-04	2.14E-04	1.28E-04	8.41E-05	1.19E-04	5.85E-05
865	565848.4	4222904	0.000806	0.001066	3.82E-04	4.28E-04	1.17E-03	3.82E-04	1.06E-04	2.08E-04	1.25E-04	8.19E-05	1.16E-04	5.70E-05
866	565831.7	4222911	0.000761	0.001006	3.60E-04	4.03E-04	1.10E-03	3.60E-04	9.99E-05	1.97E-04	1.18E-04	7.73E-05	1.09E-04	5.38E-05
867	565815	4222918	0.000716	0.000947	3.39E-04	3.80E-04	1.04E-03	3.39E-04	9.41E-05	1.85E-04	1.11E-04	7.28E-05	1.03E-04	5.07E-05
868	565806.6	4222921	0.000694	0.000918	3.29E-04	3.68E-04	1.01E-03	3.29E-04	9.12E-05	1.79E-04	1.08E-04	7.05E-05	9.98E-05	4.91E-05
869	565789.9	4222928	0.000648	0.000858	3.07E-04	3.44E-04	9.40E-04	3.07E-04	8.52E-05	1.68E-04	1.01E-04	6.59E-05	9.33E-05	4.59E-05
870	565781.6	4222931	0.000622	0.000823	2.95E-04	3.30E-04	9.02E-04	2.95E-04	8.17E-05	1.61E-04	9.64E-05	6.32E-05	8.95E-05	4.40E-05
871	565764.9	4222938	0.000572	0.000756	2.71E-04	3.03E-04	8.29E-04	2.71E-04	7.51E-05	1.48E-04	8.87E-05	5.81E-05	8.23E-05	4.04E-05
872	565739.9	4222948	0.000513	0.000679	2.43E-04	2.72E-04	7.44E-04	2.43E-04	6.74E-05	1.33E-04	7.95E-05	5.21E-05	7.38E-05	3.63E-05
873	565731.5	4222951	0.000496	0.000656	2.35E-04	2.63E-04	7.19E-04	2.35E-04	6.51E-05	1.28E-04	7.69E-05	5.04E-05	7.13E-05	3.51E-05
874	565714.8	4222958	0.000468	0.000618	2.22E-04	2.48E-04	6.78E-04	2.22E-04	6.14E-05	1.21E-04	7.25E-05	4.75E-05	6.73E-05	3.31E-05
875	565706.5	4222961	0.000455	0.000601	2.15E-04	2.41E-04	6.59E-04	2.15E-04	5.97E-05	1.17E-04	7.05E-05	4.62E-05	6.54E-05	3.21E-05
876	565689.8	4222968	0.000431	0.00057	2.04E-04	2.28E-04	6.25E-04	2.04E-04	5.66E-05	1.11E-04	6.68E-05	4.38E-05	6.20E-05	3.05E-05
877	565681.4	4222971	0.00042	0.000556	1.99E-04	2.23E-04	6.09E-04	1.99E-04	5.52E-05	1.09E-04	6.51E-05	4.27E-05	6.04E-05	2.97E-05
878	565556.2	4223021	0.000333	0.000441	1.58E-04	1.77E-04	4.83E-04	1.58E-04	4.38E-05	8.61E-05	5.17E-05	3.39E-05	4.79E-05	2.36E-05
879	565539.5	4223028	0.000329	0.000435	1.56E-04	1.74E-04	4.77E-04	1.56E-04	4.32E-05	8.49E-05	5.10E-05	3.34E-05	4.73E-05	2.32E-05
880	566047.7	4222512	0.002162	0.002859	1.02E-03	1.15E-03	3.13E-03	1.02E-03	2.84E-04	5.59E-04	3.35E-04	2.20E-04	3.11E-04	1.53E-04
881	566047.9	4222503	0.002169	0.002868	1.03E-03	1.15E-03	3.14E-03	1.03E-03	2.85E-04	5.60E-04	3.36E-04	2.20E-04	3.12E-04	1.53E-04
882	566048.2	4222494	0.002174	0.002875	1.03E-03	1.15E-03	3.15E-03	1.03E-03	2.86E-04	5.62E-04	3.37E-04	2.21E-04	3.13E-04	1.54E-04
883	566048.4	4222485	0.002178	0.002881	1.03E-03	1.15E-03	3.16E-03	1.03E-03	2.86E-04	5.63E-04	3.38E-04	2.21E-04	3.13E-04	1.54E-04
884	566064.1	4222521	0.002072	0.002741	9.82E-04	1.10E-03	3.00E-03	9.82E-04	2.72E-04	5.35E-04	3.21E-04	2.11E-04	2.98E-04	1.47E-04
885	566057	4222537	0.002086	0.002758	9.88E-04	1.11E-03	3.02E-03	9.88E-04	2.74E-04	5.39E-04	3.23E-04	2.12E-04	3.00E-04	1.47E-04
886	566049.8	4222554	0.002082	0.002753	9.86E-04	1.10E-03	3.02E-03	9.86E-04	2.73E-04	5.38E-04	3.23E-04	2.12E-04	2.99E-04	1.47E-04
887	566046.2	4222562	0.00207	0.002738	9.81E-04	1.10E-03	3.00E-03	9.81E-04	2.72E-04	5.35E-04	3.21E-04	2.10E-04	2.98E-04	1.46E-04
888	566039	4222578	0.002041	0.0027	9.67E-04	1.08E-03	2.96E-03	9.67E-04	2.68E-04	5.27E-04	3.16E-04	2.07E-04	2.94E-04	1.44E-04
889	566035.5	4222586	0.002031	0.002687	9.62E-04	1.08E-03	2.95E-03	9.62E-04	2.67E-04	5.25E-04	3.15E-04	2.06E-04	2.92E-04	1.44E-04
890	566028.3	4222603	0.00201	0.002658	9.52E-04	1.07E-03	2.91E-03	9.52E-04	2.64E-04	5.19E-04	3.12E-04	2.04E-04	2.89E-04	1.42E-04
891	566024.7	4222611	0.002001	0.002646	9.48E-04	1.06E-03	2.90E-03	9.48E-04	2.63E-04	5.17E-04	3.10E-04	2.03E-04	2.88E-04	1.42E-04
892	566017.5	4222627	0.001983	0.002623	9.40E-04	1.05E-03	2.88E-03	9.40E-04	2.60E-04	5.12E-04	3.07E-04	2.02E-04	2.85E-04	1.40E-04
893	566014	4222635	0.001971	0.002607	9.34E-04	1.05E-03	2.86E-03	9.34E-04	2.59E-04	5.09E-04	3.06E-04	2.00E-04	2.84E-04	1.39E-04
894	566006.8	4222652	0.001925	0.002546	9.12E-04	1.02E-03	2.79E-03	9.12E-04	2.53E-04	4.97E-04	2.98E-04	1.96E-04	2.77E-04	1.36E-04
895	565999.6	4222668	0.001877	0.002483	8.89E-04	9.95E-04	2.72E-03	8.89E-04	2.47E-04	4.85E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
896	565996	4222676	0.001846	0.002441	8.74E-04	9.79E-04	2.68E-03	8.74E-04	2.42E-04	4.77E-04	2.86E-04	1.88E-04	2.66E-04	1.31E-04
897	565988.9	4222693	0.001782	0.002357	8.44E-04	9.45E-04	2.58E-03	8.44E-04	2.34E-04	4.60E-04	2.76E-04	1.81E-04	2.56E-04	1.26E-04
898	565985.3	4222701	0.001755	0.00232	8.31E-04	9.30E-04	2.54E-03	8.31E-04	2.30E-04	4.53E-04	2.72E-04	1.78E-04	2.52E-04	1.24E-04
899	565974.5	4222725	0.001655	0.002189	7.84E-04	8.78E-04	2.40E-03	7.84E-04	2.17E-04	4.28E-04	2.57E-04	1.68E-04	2.38E-04	1.17E-04
900	565967.4	4222742	0.00158	0.00209	7.49E-04	8.38E-04	2.29E-03	7.49E-04	2.08E-04	4.08E-04	2.45E-04	1.61E-04	2.27E-04	1.12E-04
901	565963.8	4222750	0.001539	0.002035	7.29E-04	8.16E-04	2.23E-03	7.29E-04	2.02E-04	3.98E-04	2.39E-04	1.56E-04	2.21E-04	1.09E-04
902	565956.6	4222766	0.001454	0.001923	6.89E-04	7.71E-04	2.11E-03	6.89E-04	1.91E-04	3.76E-04	2.25E-04	1.48E-04	2.09E-04	1.03E-04
903	565949.4	4222783	0.001367	0.001808	6.48E-04	7.25E-04	1.98E-03	6.48E-04	1.80E-04	3.53E-04	2.12E-04	1.39E-04	1.97E-04	9.67E-05
904	565945.9	4222791	0.001326	0.001753	6.28E-04	7.03E-04	1.92E-03	6.28E-04	1.74E-04	3.43E-04	2.06E-04	1.35E-04	1.91E-04	9.38E-05
905	565938.7	4222807	0.001246	0.001647	5.90E-04	6.60E-04	1.81E-03	5.90E-04	1.64E-04	3.22E-04	1.93E-04	1.27E-04	1.79E-04	8.81E-05
906	565913.6	4222864	0.000999	0.001322	4.74E-04	5.30E-04	1.45E-03	4.74E-04	1.31E-04	2.58E-04	1.55E-04	1.02E-04	1.44E-04	7.07E-05
907	565906.4	4222881	0.000931	0.001231	4.41E-04	4.94E-04	1.35E-03	4.41E-04	1.22E-04	2.40E-04	1.44E-04	9.46E-05	1.34E-04	6.58E-05

908	565899.3	4222897	0.000863	0.001141	4.09E-04	4.58E-04	1.25E-03	4.09E-04	1.13E-04	2.23E-04	1.34E-04	8.77E-05	1.24E-04	6.10E-05
909	565887.4	4222909	0.000812	0.001074	3.85E-04	4.31E-04	1.18E-03	3.85E-04	1.07E-04	2.10E-04	1.26E-04	8.26E-05	1.17E-04	5.75E-05
910	565879.1	4222912	0.000794	0.00105	3.76E-04	4.21E-04	1.15E-03	3.76E-04	1.04E-04	2.05E-04	1.23E-04	8.07E-05	1.14E-04	5.61E-05
911	565862.5	4222919	0.000756	0.001	3.58E-04	4.01E-04	1.10E-03	3.58E-04	9.93E-05	1.95E-04	1.17E-04	7.69E-05	1.09E-04	5.35E-05
912	565854.2	4222922	0.000736	0.000974	3.49E-04	3.90E-04	1.07E-03	3.49E-04	9.67E-05	1.90E-04	1.14E-04	7.48E-05	1.06E-04	5.21E-05
913	565812.7	4222938	0.00064	0.000846	3.03E-04	3.39E-04	9.27E-04	3.03E-04	8.40E-05	1.65E-04	9.92E-05	6.50E-05	9.20E-05	4.52E-05
914	565796.2	4222945	0.000601	0.000795	2.85E-04	3.19E-04	8.71E-04	2.85E-04	7.89E-05	1.55E-04	9.32E-05	6.11E-05	8.64E-05	4.25E-05
915	565779.6	4222952	0.000558	0.000738	2.64E-04	2.96E-04	8.09E-04	2.64E-04	7.32E-05	1.44E-04	8.65E-05	5.67E-05	8.02E-05	3.94E-05
916	565754.7	4222962	0.0005	0.000662	2.37E-04	2.65E-04	7.25E-04	2.37E-04	6.57E-05	1.29E-04	7.76E-05	5.08E-05	7.20E-05	3.54E-05
917	565746.4	4222965	0.000483	0.000639	2.29E-04	2.56E-04	7.01E-04	2.29E-04	6.35E-05	1.25E-04	7.49E-05	4.91E-05	6.95E-05	3.42E-05
918	565729.8	4222971	0.000454	0.000601	2.15E-04	2.41E-04	6.58E-04	2.15E-04	5.96E-05	1.17E-04	7.04E-05	4.61E-05	6.53E-05	3.21E-05
919	565721.5	4222975	0.000442	0.000584	2.09E-04	2.34E-04	6.40E-04	2.09E-04	5.80E-05	1.14E-04	6.85E-05	4.49E-05	6.35E-05	3.12E-05
920	565704.9	4222981	0.000418	0.000553	1.98E-04	2.22E-04	6.06E-04	1.98E-04	5.49E-05	1.08E-04	6.48E-05	4.25E-05	6.01E-05	2.95E-05
921	565688.3	4222988	0.000398	0.000526	1.88E-04	2.11E-04	5.76E-04	1.88E-04	5.22E-05	1.03E-04	6.16E-05	4.04E-05	5.72E-05	2.81E-05
922	565555.6	4223041	0.000319	0.000421	1.51E-04	1.69E-04	4.62E-04	1.51E-04	4.18E-05	8.23E-05	4.94E-05	3.24E-05	4.58E-05	2.25E-05
923	566067.7	4222513	0.00206	0.002725	9.76E-04	1.09E-03	2.99E-03	9.76E-04	2.71E-04	5.32E-04	3.19E-04	2.09E-04	2.96E-04	1.46E-04
924	566067.9	4222504	0.002064	0.002729	9.78E-04	1.09E-03	2.99E-03	9.78E-04	2.71E-04	5.33E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
925	566068.2	4222495	0.002066	0.002732	9.79E-04	1.10E-03	2.99E-03	9.79E-04	2.71E-04	5.34E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
926	566068.4	4222486	0.002066	0.002733	9.79E-04	1.10E-03	3.00E-03	9.79E-04	2.71E-04	5.34E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
927	566084.2	4222521	0.001972	0.002608	9.34E-04	1.05E-03	2.86E-03	9.34E-04	2.59E-04	5.09E-04	3.06E-04	2.00E-04	2.84E-04	1.39E-04
928	566077	4222538	0.001988	0.00263	9.42E-04	1.05E-03	2.88E-03	9.42E-04	2.61E-04	5.14E-04	3.08E-04	2.02E-04	2.86E-04	1.41E-04
929	566069.9	4222554	0.001988	0.002629	9.42E-04	1.05E-03	2.88E-03	9.42E-04	2.61E-04	5.14E-04	3.08E-04	2.02E-04	2.86E-04	1.41E-04
930	566062.8	4222570	0.001964	0.002597	9.30E-04	1.04E-03	2.85E-03	9.30E-04	2.58E-04	5.07E-04	3.04E-04	2.00E-04	2.82E-04	1.39E-04
931	566055.7	4222586	0.00194	0.002566	9.19E-04	1.03E-03	2.81E-03	9.19E-04	2.55E-04	5.01E-04	3.01E-04	1.97E-04	2.79E-04	1.37E-04
932	566048.5	4222603	0.001918	0.002537	9.09E-04	1.02E-03	2.78E-03	9.09E-04	2.52E-04	4.96E-04	2.97E-04	1.95E-04	2.76E-04	1.36E-04
933	566045	4222611	0.001909	0.002524	9.04E-04	1.01E-03	2.77E-03	9.04E-04	2.51E-04	4.93E-04	2.96E-04	1.94E-04	2.75E-04	1.35E-04
934	566037.8	4222627	0.00189	0.002499	8.95E-04	1.00E-03	2.74E-03	8.95E-04	2.48E-04	4.88E-04	2.93E-04	1.92E-04	2.72E-04	1.34E-04
935	566030.7	4222643	0.001849	0.002446	8.76E-04	9.80E-04	2.68E-03	8.76E-04	2.43E-04	4.78E-04	2.87E-04	1.88E-04	2.66E-04	1.31E-04
936	566023.6	4222660	0.001792	0.00237	8.49E-04	9.50E-04	2.60E-03	8.49E-04	2.35E-04	4.63E-04	2.78E-04	1.82E-04	2.58E-04	1.27E-04
937	566016.5	4222676	0.001747	0.002311	8.28E-04	9.26E-04	2.53E-03	8.28E-04	2.29E-04	4.51E-04	2.71E-04	1.78E-04	2.51E-04	1.24E-04
938	566009.3	4222692	0.001692	0.002237	8.01E-04	8.97E-04	2.45E-03	8.01E-04	2.22E-04	4.37E-04	2.62E-04	1.72E-04	2.43E-04	1.20E-04
939	566002.2	4222708	0.001649	0.002181	7.81E-04	8.74E-04	2.39E-03	7.81E-04	2.17E-04	4.26E-04	2.56E-04	1.68E-04	2.37E-04	1.17E-04
940	565988	4222741	0.001544	0.002042	7.31E-04	8.19E-04	2.24E-03	7.31E-04	2.03E-04	3.99E-04	2.39E-04	1.57E-04	2.22E-04	1.09E-04
941	565980.8	4222757	0.001476	0.001952	6.99E-04	7.83E-04	2.14E-03	6.99E-04	1.94E-04	3.81E-04	2.29E-04	1.50E-04	2.12E-04	1.04E-04
942	565973.7	4222773	0.001404	0.001857	6.65E-04	7.44E-04	2.04E-03	6.65E-04	1.84E-04	3.63E-04	2.18E-04	1.43E-04	2.02E-04	9.93E-05
943	565966.6	4222790	0.001325	0.001752	6.28E-04	7.02E-04	1.92E-03	6.28E-04	1.74E-04	3.42E-04	2.05E-04	1.35E-04	1.91E-04	9.37E-05
944	565959.5	4222806	0.001249	0.001651	5.92E-04	6.62E-04	1.81E-03	5.92E-04	1.64E-04	3.23E-04	1.94E-04	1.27E-04	1.80E-04	8.83E-05
945	565952.3	4222822	0.001178	0.001558	5.58E-04	6.25E-04	1.71E-03	5.58E-04	1.55E-04	3.04E-04	1.83E-04	1.20E-04	1.69E-04	8.33E-05
946	565941.6	4222847	0.001073	0.001419	5.08E-04	5.69E-04	1.56E-03	5.08E-04	1.41E-04	2.77E-04	1.66E-04	1.09E-04	1.54E-04	7.59E-05
947	565934.5	4222863	0.001013	0.001339	4.80E-04	5.37E-04	1.47E-03	4.80E-04	1.33E-04	2.62E-04	1.57E-04	1.03E-04	1.46E-04	7.16E-05
948	565927.4	4222879	0.000952	0.001259	4.51E-04	5.05E-04	1.38E-03	4.51E-04	1.25E-04	2.46E-04	1.48E-04	9.67E-05	1.37E-04	6.73E-05
949	565920.3	4222895	0.000887	0.001173	4.20E-04	4.70E-04	1.29E-03	4.20E-04	1.16E-04	2.29E-04	1.37E-04	9.01E-05	1.28E-04	6.27E-05
950	565913.1	4222912	0.000819	0.001084	3.88E-04	4.34E-04	1.19E-03	3.88E-04	1.08E-04	2.12E-04	1.27E-04	8.33E-05	1.18E-04	5.79E-05
951	565901.3	4222923	0.000768	0.001015	3.64E-04	4.07E-04	1.11E-03	3.64E-04	1.01E-04	1.98E-04	1.19E-04	7.80E-05	1.10E-04	5.43E-05
952	565884.9	4222930	0.00073	0.000966	3.46E-04	3.87E-04	1.06E-03	3.46E-04	9.59E-05	1.89E-04	1.13E-04	7.42E-05	1.05E-04	5.17E-05
953	565868.4	4222936	0.000693	0.000916	3.28E-04	3.67E-04	1.00E-03	3.28E-04	9.10E-05	1.79E-04	1.07E-04	7.04E-05	9.97E-05	4.90E-05
954	565851.9	4222943	0.000656	0.000867	3.11E-04	3.48E-04	9.51E-04	3.11E-04	8.61E-05	1.69E-04	1.02E-04	6.66E-05	9.43E-05	4.64E-05
955	565835.4	4222949	0.000622	0.000822	2.95E-04	3.30E-04	9.01E-04	2.95E-04	8.17E-05	1.61E-04	9.64E-05	6.32E-05	8.94E-05	4.40E-05
956	565769.4	4222976	0.000488	0.000645	2.31E-04	2.59E-04	7.07E-04	2.31E-04	6.41E-05	1.26E-04	7.56E-05	4.96E-05	7.02E-05	3.45E-05
957	565752.9	4222982	0.000458	0.000605	2.17E-04	2.43E-04	6.64E-04	2.17E-04	6.01E-05	1.18E-04	7.10E-05	4.65E-05	6.58E-05	3.24E-05
958	565736.5	4222989	0.000433	0.000572	2.05E-04	2.29E-04	6.27E-04	2.05E-04	5.68E-05	1.12E-04	6.71E-05	4.40E-05	6.22E-05	3.06E-05
959	565720	4222995	0.000409	0.000541	1.94E-04	2.17E-04	5.93E-04	1.94E-04	5.37E-05	1.06E-04	6.34E-05	4.15E-05	5.88E-05	2.89E-05
960	565703.5	4223002	0.000387	0.000512	1.83E-04	2.05E-04	5.61E-04	1.83E-04	5.08E-05	1.00E-04	6.00E-05	3.93E-05	5.57E-05	2.74E-05
961	565687	4223009	0.000371	0.000491	1.76E-04	1.97E-04	5.38E-04	1.76E-04	4.88E-05	9.59E-05	5.76E-05	3.77E-05	5.34E-05	2.63E-05
962	566082.4	4222571	0.001862	0.002463	8.82E-04	9.87E-04	2.70E-03	8.82E-04	2.45E-04	4.81E-04	2.89E-04	1.89E-04	2.68E-04	1.32E-04
963	566075.2	4222588	0.001852	0.002449	8.77E-04	9.82E-04	2.68E-03	8.77E-04	2.43E-04	4.78E-04	2.87E-04	1.88E-04	2.66E-04	1.31E-04
964	566068	4222604	0.001837	0.00243	8.70E-04	9.74E-04	2.66E-03	8.70E-04	2.41E-04	4.75E-04	2.85E-04	1.87E-04	2.64E-04	1.30E-04
965	566060.8	4222621	0.00182	0.002407	8.62E-04	9.65E-04	2.64E-03	8.62E-04	2.39E-04	4.70E-04	2.82E-04	1.85E-04	2.62E-04	1.29E-04
966	566053.5	4222637	0.001799	0.002379	8.52E-04	9.54E-04	2.61E-03	8.52E-04	2.36E-04	4.65E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
967	566046.3	4222654	0.001738	0.002298	8.23E-04	9.21E-04	2.52E-03	8.23E-04	2.28E-04	4.49E-04	2.69E-04	1.77E-04	2.50E-04	1.23E-04
968	566039.1	4222670	0.001672	0.002211	7.92E-04	8.87E-04	2.42E-03	7.92E-04	2.20E-04	4.32E-04	2.59E-04	1.70E-04	2.41E-04	1.18E-04
969	566031.9	4222687	0.001632	0.002158	7.73E-04	8.65E-04	2.37E-03	7.73E-04	2.14E-04	4.22E-04	2.53E-04	1.66E-04	2.35E-04	1.15E-04
970	566024.6	4222703	0.001597	0.002112	7.57E-04	8.47E-04	2.32E-03	7.57E-04	2.10E-04	4.13E-04	2.48E-04	1.62E-04	2.30E-04	1.13E-04
971	566017.4	4222720	0.001563	0.002068	7.41E-04	8.29E-04	2.27E-03	7.41E-04	2.05E-04	4.04E-04	2.42E-04	1.59E-04	2.25E-04	1.11E-04
972	566013.8	4222728	0.001543	0.00204	7.31E-04	8.18E-04	2.24E-03	7.31E-04	2.03E-04	3.99E-04	2.39E-04	1.57E-04	2.22E-04	1.09E-04
973	565999.3	4222761	0.001424	0.001884	6.75E-04	7.55E-04	2.07E-03	6.75E-04	1.87E-04	3.68E-04	2.21E-04	1.45E-04	2.05E-04	1.01E-04
974	565992.1	4222777	0.001358	0.001796	6.43E-04	7.20E-04	1.97E-03	6.43E-04	1.78E-04	3.51E-04	2.11E-04	1.38E-04	1.95E-04	9.61E-05
975	565984.9	4222794	0.00129	0.001707	6.11E-04	6.84E-04	1.87E-03	6.11E-04	1.69E-04	3.33E-04	2.00E-04	1.31E-04	1.86E-04	9.13E-05
976	565977.7	4222810	0.001219	0.001611	5.77E-04	6.46E-04	1.77E-03	5.77E-04	1.60E-04	3.15E-04	1.89E-04	1.24E-04	1.75E-04	8.62E-05
977	565970.4	4222827	0.001155	0.001527	5.47E-04	6.12E-04	1.67E-03	5.47E-04	1.52E-04	2.98E-04	1.79E-04	1.17E-04	1.66E-04	8.16E-05
978	565956	4222860	0.001029	0.001361	4.87E-04	5.46E-04	1.49E-03	4.87E-04	1.35E-04	2.66E-04	1.60E-04	1.05E-04	1.48E-04	7.28E-05
979	565948.8	4222876	0.000968	0.00128	4.59E-04	5.13E-04	1.40E-03	4.59E-04	1.27E-04	2.50E-04	1.50E-04	9.84E-05	1.39E-04	6.85E-05
980	565941.5	4222893	0.000911	0.001204	4.31E-04	4.83E-04	1.32E-03	4.31E-04	1.20E-04	2.35E-04	1.41E-04	9.25E-05	1.31E-04	6.44E-05
981	565934.3	4222909	0.000848	0.001122	4.02E-04	4.50E-04	1.23E-03	4.02E-04	1.11E-04	2.19E-04	1.31E-04	8.62E-05	1.22E-04	6.00E-05
982	565927.1	4222926	0.000776	0.001027	3.68E-04	4.12E-04	1.13E-03	3.68E-04	1.02E-04	2.01E-04	1.20E-04	7.89E-05	1.12E-04	5.49E-05
983	565915.1	4222937	0.000726	0.00096	3.44E-04	3.85E-04	1.05E-03	3.44E-04	9.53E-05	1.87E-04	1.12E-04	7.37E-05	1.04E-04	5.13E-05
984	565898.4	4222944	0.00069	0.000912	3.27E-04	3.66E-04	1.00E-03	3.27E-04	9.06E-05	1.78E-04	1.07E-04	7.01E-05	9.92E-05	4.88E-05
985	565890.1	4222947	0.000673	0.00089	3.19E-04	3.57E-04	9.75E-04	3.19E-04	8.83E-05	1.74E-04	1.04E-04	6.84E-05	9.68E-05	4.76E-05
986	565873.3	4222954	0.000638	0.000844	3.02E-04	3.38E-04	9.25E-04	3.02E-04	8.38E-05	1.65E-04	9.89E-05	6.48E-05	9.18E-05	4.51E-05
987	565865	4222957	0.000621	0.000821	2.94E-04	3.29E-04	9.00E-04	2.94E-04	8.15E-05	1.60E-04	9.62E-05	6.31E-05	8.93E-05	4.39E-05
988	565848.3	4222964	0.000586	0.000775	2.78E-04	3.11E-04	8.50E-04	2.78E-04	7.70E-05	1.51E-04	9.08E-05	5.96E-05	8.43E-05	4.14E-05
989	565839.9	4222967	0.000569	0.000753	2.70E-04	3.02E-04	8.25E-04	2.70E-04	7.47E-05	1.47E-04	8.82E-05	5.78E-05	8.19E-05	4.03E-05
990	565823.2	4222974	0.000538	0.000712	2.55E-04	2.85E-04	7.80E-04	2.55E-04	7.07E-05	1.39E-04	8.34E-05	5.47E-05	7.74E-05	3.80E-05
991	565814.8	4222977	0.000525	0.000695	2.49E-04	2.78E-04	7.62E-04	2.49E-04	6.90E-05	1.36E-04	8.14E-05	5.34E-05	7.56E-05	3.71E-05
992	565806.5	4222981	0.000513	0.000678	2.43E-04	2.72E-04	7.43E-04	2.43E-04	6.73E-05	1.32E-04	7.95E-05	5.21E-05	7.38E-05	3.63E-05
993	565781.4	4222991	0.00047	0.000622	2.23E-04	2.49E-04	6.82E-04	2.23E-04	6.18E-05	1.22E-04	7.29E-05	4.78E-05	6.77E-05	3.33E-05
994	565764.7	4222997	0.000441	0.000583	2.09E-04	2.34E-04	6.39E-04	2.09E-04	5.79E-05	1.14E-04	6.83E-05	4.48E-05	6.34E-05	3.12E-05
995	565756.3	4223001	0.000429	0.000568	2.03E-04	2.28E-04	6.22E-04	2.03E-04	5.64E-05	1.11E-04	6.65E-05	4.36E-05	6.17E-05	3.03E-05
996	565739.6	4223007	0.000408	0.00054	1.93E-04	2.16E-04	5.92E-04	1.93E-04	5.36E-05	1.05E-04	6.33E-05	4.15E-05	5.87E-05	2.89E-05
997	565731.2	4223011	0.000398	0.000526	1.88E-04	2.11E-04	5.77E-04	1.88E-04	5.22E-05	1.03E-04	6.17E-05	4.04E-05	5.72E-05	2.81E-05
998	565714.5	4223017	0.000377	0.000498	1.78E-04	2.00E-04	5.46E-04	1.78E-04	4.95E-05	9.73E-05	5.84E-05	3.83E-05	5.42E-05	2.66E-05

999	565706.2	4223021	0.000367	0.000486	1.74E-04	1.95E-04	5.32E-04	1.74E-04	4.82E-05	9.49E-05	5.69E-05	3.73E-05	5.28E-05	2.60E-05
1000	565689.4	4223027	0.000353	0.000466	1.67E-04	1.87E-04	5.11E-04	1.67E-04	4.63E-05	9.11E-05	5.47E-05	3.58E-05	5.07E-05	2.49E-05
1001	565681.1	4223031	0.000346	0.000458	1.64E-04	1.84E-04	5.02E-04	1.64E-04	4.55E-05	8.95E-05	5.37E-05	3.52E-05	4.98E-05	2.45E-05
1002	565555.7	4223081	0.000291	0.000385	1.38E-04	1.54E-04	4.22E-04	1.38E-04	3.83E-05	7.53E-05	4.52E-05	2.96E-05	4.19E-05	2.06E-05
1003	565539	4223087	0.000285	0.000377	1.35E-04	1.51E-04	4.13E-04	1.35E-04	3.74E-05	7.36E-05	4.42E-05	2.90E-05	4.10E-05	2.02E-05
1004	565530.6	4223091	0.000282	0.000372	1.33E-04	1.49E-04	4.08E-04	1.33E-04	3.70E-05	7.27E-05	4.36E-05	2.86E-05	4.05E-05	1.99E-05
1005	565552.5	4222461	0.019102	0.025262	9.05E-03	1.01E-02	2.77E-02	9.05E-03	2.51E-03	4.93E-03	2.96E-03	1.94E-03	2.75E-03	1.35E-03
1006	565552.2	4222451	0.020449	0.027044	9.69E-03	1.08E-02	2.96E-02	9.69E-03	2.69E-03	5.28E-03	3.17E-03	2.08E-03	2.94E-03	1.45E-03
1007	565562.3	4222461	0.017783	0.023518	8.43E-03	9.43E-03	2.58E-02	8.43E-03	2.34E-03	4.59E-03	2.76E-03	1.81E-03	2.56E-03	1.26E-03
1008	565562.1	4222451	0.018962	0.025077	8.98E-03	1.01E-02	2.75E-02	8.98E-03	2.49E-03	4.90E-03	2.94E-03	1.93E-03	2.73E-03	1.34E-03
1009	565572.1	4222461	0.016613	0.021971	7.87E-03	8.81E-03	2.41E-02	7.87E-03	2.18E-03	4.29E-03	2.58E-03	1.69E-03	2.39E-03	1.17E-03
1010	565571.9	4222451	0.017638	0.023326	8.36E-03	9.35E-03	2.56E-02	8.36E-03	2.32E-03	4.56E-03	2.73E-03	1.79E-03	2.54E-03	1.25E-03
1011	565582	4222460	0.015561	0.02058	7.37E-03	8.25E-03	2.26E-02	7.37E-03	2.04E-03	4.02E-03	2.41E-03	1.58E-03	2.24E-03	1.10E-03
1012	565581.7	4222451	0.016448	0.021752	7.79E-03	8.72E-03	2.38E-02	7.79E-03	2.16E-03	4.25E-03	2.55E-03	1.67E-03	2.37E-03	1.16E-03
1013	565611.5	4222460	0.012932	0.017102	6.13E-03	6.86E-03	1.87E-02	6.13E-03	1.70E-03	3.34E-03	2.00E-03	1.31E-03	1.86E-03	9.15E-04
1014	565611.2	4222450	0.013504	0.017859	6.40E-03	7.16E-03	1.96E-02	6.40E-03	1.77E-03	3.49E-03	2.09E-03	1.37E-03	1.94E-03	9.55E-04
1015	565621.3	4222459	0.012193	0.016124	5.78E-03	6.46E-03	1.77E-02	5.78E-03	1.60E-03	3.15E-03	1.89E-03	1.24E-03	1.75E-03	8.62E-04
1016	565621.1	4222450	0.012688	0.016779	6.01E-03	6.73E-03	1.84E-02	6.01E-03	1.67E-03	3.28E-03	1.97E-03	1.29E-03	1.83E-03	8.97E-04
1017	565631.2	4222459	0.0115	0.015208	5.45E-03	6.10E-03	1.67E-02	5.45E-03	1.51E-03	2.97E-03	1.78E-03	1.17E-03	1.65E-03	8.13E-04
1018	565630.9	4222449	0.011926	0.015772	5.65E-03	6.32E-03	1.73E-02	5.65E-03	1.57E-03	3.08E-03	1.85E-03	1.21E-03	1.72E-03	8.43E-04
1019	565640.8	4222449	0.011236	0.01486	5.32E-03	5.96E-03	1.63E-02	5.32E-03	1.48E-03	2.90E-03	1.74E-03	1.14E-03	1.62E-03	7.95E-04
1020	565650.6	4222449	0.010596	0.014014	5.02E-03	5.62E-03	1.54E-02	5.02E-03	1.39E-03	2.74E-03	1.64E-03	1.08E-03	1.52E-03	7.49E-04
1021	565660.7	4222458	0.009728	0.012865	4.61E-03	5.16E-03	1.41E-02	4.61E-03	1.28E-03	2.51E-03	1.51E-03	9.89E-04	1.40E-03	6.88E-04
1022	565670.5	4222458	0.009216	0.012188	4.37E-03	4.89E-03	1.34E-02	4.37E-03	1.21E-03	2.38E-03	1.43E-03	9.37E-04	1.33E-03	6.52E-04
1023	565670.3	4222448	0.009455	0.012503	4.48E-03	5.01E-03	1.37E-02	4.48E-03	1.24E-03	2.44E-03	1.47E-03	9.61E-04	1.36E-03	6.69E-04
1024	565680.6	4222468	0.008507	0.01125	4.03E-03	4.51E-03	1.23E-02	4.03E-03	1.12E-03	2.20E-03	1.32E-03	8.64E-04	1.22E-03	6.02E-04
1025	565680.3	4222458	0.008739	0.011557	4.14E-03	4.63E-03	1.27E-02	4.14E-03	1.15E-03	2.26E-03	1.35E-03	8.88E-04	1.26E-03	6.18E-04
1026	565680.1	4222448	0.008946	0.011831	4.24E-03	4.74E-03	1.30E-02	4.24E-03	1.17E-03	2.31E-03	1.39E-03	9.09E-04	1.29E-03	6.33E-04
1027	565690.4	4222467	0.008091	0.0107	3.83E-03	4.29E-03	1.17E-02	3.83E-03	1.06E-03	2.09E-03	1.25E-03	8.22E-04	1.16E-03	5.72E-04
1028	565690.2	4222458	0.008294	0.010969	3.93E-03	4.40E-03	1.20E-02	3.93E-03	1.09E-03	2.14E-03	1.29E-03	8.43E-04	1.19E-03	5.87E-04
1029	565689.9	4222448	0.008473	0.011205	4.01E-03	4.49E-03	1.23E-02	4.01E-03	1.11E-03	2.19E-03	1.31E-03	8.61E-04	1.22E-03	5.99E-04
1030	565700.2	4222467	0.007702	0.010185	3.65E-03	4.08E-03	1.12E-02	3.65E-03	1.01E-03	1.99E-03	1.19E-03	7.83E-04	1.11E-03	5.45E-04
1031	565700	4222457	0.00788	0.010421	3.73E-03	4.18E-03	1.14E-02	3.73E-03	1.03E-03	2.04E-03	1.22E-03	8.01E-04	1.13E-03	5.57E-04
1032	565699.8	4222448	0.008034	0.010625	3.81E-03	4.26E-03	1.16E-02	3.81E-03	1.06E-03	2.08E-03	1.25E-03	8.16E-04	1.16E-03	5.68E-04
1033	565710.1	4222467	0.00734	0.009707	3.48E-03	3.89E-03	1.06E-02	3.48E-03	9.64E-04	1.90E-03	1.14E-03	7.46E-04	1.06E-03	5.19E-04
1034	565709.8	4222457	0.007496	0.009913	3.55E-03	3.97E-03	1.09E-02	3.55E-03	9.84E-04	1.94E-03	1.16E-03	7.62E-04	1.08E-03	5.30E-04
1035	565709.6	4222447	0.007629	0.01009	3.61E-03	4.05E-03	1.11E-02	3.61E-03	1.00E-03	1.97E-03	1.18E-03	7.75E-04	1.10E-03	5.40E-04
1036	565719.9	4222467	0.007003	0.009261	3.32E-03	3.71E-03	1.02E-02	3.32E-03	9.20E-04	1.81E-03	1.09E-03	7.12E-04	1.01E-03	4.95E-04
1037	565719.7	4222457	0.007139	0.009442	3.38E-03	3.79E-03	1.04E-02	3.38E-03	9.38E-04	1.84E-03	1.11E-03	7.26E-04	1.03E-03	5.05E-04
1038	565719.4	4222447	0.007255	0.009595	3.44E-03	3.85E-03	1.05E-02	3.44E-03	9.53E-04	1.87E-03	1.12E-03	7.37E-04	1.04E-03	5.13E-04
1039	565729.8	4222467	0.006687	0.008843	3.17E-03	3.55E-03	9.69E-03	3.17E-03	8.78E-04	1.73E-03	1.04E-03	6.80E-04	9.62E-04	4.73E-04
1040	565729.5	4222457	0.006806	0.009001	3.22E-03	3.61E-03	9.87E-03	3.22E-03	8.94E-04	1.76E-03	1.06E-03	6.92E-04	9.79E-04	4.81E-04
1041	565729.3	4222447	0.006907	0.009134	3.27E-03	3.66E-03	1.00E-02	3.27E-03	9.07E-04	1.78E-03	1.07E-03	7.02E-04	9.93E-04	4.88E-04
1042	565739.6	4222466	0.006389	0.00845	3.03E-03	3.39E-03	9.26E-03	3.03E-03	8.39E-04	1.65E-03	9.90E-04	6.49E-04	9.19E-04	4.52E-04
1043	565739.4	4222457	0.006494	0.008589	3.08E-03	3.44E-03	9.42E-03	3.08E-03	8.53E-04	1.68E-03	1.01E-03	6.60E-04	9.34E-04	4.59E-04
1044	565739.1	4222447	0.006581	0.008703	3.12E-03	3.49E-03	9.54E-03	3.12E-03	8.64E-04	1.70E-03	1.02E-03	6.69E-04	9.47E-04	4.65E-04
1045	565749.2	4222456	0.006202	0.008202	2.94E-03	3.29E-03	8.99E-03	2.94E-03	8.15E-04	1.60E-03	9.61E-04	6.30E-04	8.92E-04	4.39E-04
1046	565748.9	4222447	0.006278	0.008302	2.97E-03	3.33E-03	9.10E-03	2.97E-03	8.24E-04	1.62E-03	9.73E-04	6.38E-04	9.03E-04	4.44E-04
1047	565758.8	4222446	0.005994	0.007926	2.84E-03	3.18E-03	8.69E-03	2.84E-03	7.87E-04	1.55E-03	9.29E-04	6.09E-04	8.62E-04	4.24E-04
1048	565769.1	4222466	0.005598	0.007403	2.65E-03	2.97E-03	8.12E-03	2.65E-03	7.35E-04	1.45E-03	8.68E-04	5.69E-04	8.05E-04	3.96E-04
1049	565778.9	4222465	0.005362	0.007091	2.54E-03	2.84E-03	7.77E-03	2.54E-03	7.04E-04	1.39E-03	8.31E-04	5.45E-04	7.71E-04	3.79E-04
1050	565778.7	4222456	0.005424	0.007173	2.57E-03	2.88E-03	7.86E-03	2.57E-03	7.12E-04	1.40E-03	8.41E-04	5.51E-04	7.80E-04	3.84E-04
1051	565788.8	4222465	0.005281	0.006984	2.50E-03	2.80E-03	7.66E-03	2.50E-03	6.93E-04	1.36E-03	8.19E-04	5.37E-04	7.60E-04	3.73E-04
1052	565788.5	4222455	0.005194	0.006869	2.46E-03	2.75E-03	7.53E-03	2.46E-03	6.82E-04	1.34E-03	8.05E-04	5.28E-04	7.47E-04	3.67E-04
1053	565798.6	4222465	0.005068	0.006702	2.40E-03	2.69E-03	7.35E-03	2.40E-03	6.66E-04	1.31E-03	7.86E-04	5.15E-04	7.29E-04	3.58E-04
1054	565798.4	4222455	0.005116	0.006766	2.42E-03	2.71E-03	7.42E-03	2.42E-03	6.72E-04	1.32E-03	7.93E-04	5.20E-04	7.36E-04	3.62E-04
1055	565798.1	4222445	0.005154	0.006816	2.44E-03	2.73E-03	7.47E-03	2.44E-03	6.77E-04	1.33E-03	7.99E-04	5.24E-04	7.41E-04	3.65E-04
1056	565808.4	4222465	0.004861	0.006429	2.30E-03	2.58E-03	7.05E-03	2.30E-03	6.38E-04	1.26E-03	7.54E-04	4.94E-04	6.99E-04	3.44E-04
1057	565808.2	4222455	0.004907	0.00649	2.33E-03	2.60E-03	7.11E-03	2.33E-03	6.44E-04	1.27E-03	7.61E-04	4.99E-04	7.06E-04	3.47E-04
1058	565808	4222445	0.004941	0.006535	2.34E-03	2.62E-03	7.16E-03	2.34E-03	6.49E-04	1.28E-03	7.66E-04	5.02E-04	7.11E-04	3.49E-04
1059	565828.4	4222464	0.004467	0.005907	2.12E-03	2.37E-03	6.48E-03	2.12E-03	5.87E-04	1.15E-03	6.92E-04	4.54E-04	6.43E-04	3.16E-04
1060	565828.2	4222454	0.004509	0.005963	2.14E-03	2.39E-03	6.54E-03	2.14E-03	5.92E-04	1.16E-03	6.99E-04	4.58E-04	6.49E-04	3.19E-04
1061	565828	4222445	0.004539	0.006003	2.15E-03	2.41E-03	6.58E-03	2.15E-03	5.96E-04	1.17E-03	7.04E-04	4.61E-04	6.53E-04	3.21E-04
1062	565848.4	4222464	0.00411	0.005436	1.95E-03	2.18E-03	5.96E-03	1.95E-03	5.40E-04	1.06E-03	6.37E-04	4.18E-04	5.91E-04	2.91E-04
1063	565848.2	4222454	0.004144	0.00548	1.96E-03	2.20E-03	6.01E-03	1.96E-03	5.44E-04	1.07E-03	6.42E-04	4.21E-04	5.96E-04	2.93E-04
1064	565848	4222444	0.004169	0.005514	1.98E-03	2.21E-03	6.04E-03	1.98E-03	5.48E-04	1.08E-03	6.46E-04	4.24E-04	6.00E-04	2.95E-04
1065	565868.4	4222472	0.003789	0.005011	1.80E-03	2.01E-03	5.49E-03	1.80E-03	4.98E-04	9.79E-04	5.87E-04	3.85E-04	5.45E-04	2.68E-04
1066	565868.4	4222463	0.003814	0.005044	1.81E-03	2.02E-03	5.53E-03	1.81E-03	5.01E-04	9.85E-04	5.91E-04	3.88E-04	5.49E-04	2.70E-04
1067	565868.2	4222453	0.003839	0.005077	1.82E-03	2.04E-03	5.57E-03	1.82E-03	5.04E-04	9.92E-04	5.95E-04	3.90E-04	5.52E-04	2.72E-04
1068	565867.9	4222444	0.003859	0.005104	1.83E-03	2.05E-03	5.59E-03	1.83E-03	5.07E-04	9.97E-04	5.98E-04	3.92E-04	5.55E-04	2.73E-04
1069	565888.4	4222472	0.003535	0.004675	1.67E-03	1.87E-03	5.12E-03	1.67E-03	4.64E-04	9.13E-04	5.48E-04	3.59E-04	5.08E-04	2.50E-04
1070	565888.4	4222463	0.003556	0.004703	1.68E-03	1.89E-03	5.16E-03	1.68E-03	4.67E-04	9.19E-04	5.51E-04	3.61E-04	5.11E-04	2.51E-04
1071	565888.2	4222453	0.003576	0.004729	1.69E-03	1.90E-03	5.18E-03	1.69E-03	4.70E-04	9.24E-04	5.54E-04	3.63E-04	5.14E-04	2.53E-04
1072	565887.9	4222443	0.00359	0.004748	1.70E-03	1.90E-03	5.21E-03	1.70E-03	4.71E-04	9.28E-04	5.57E-04	3.65E-04	5.16E-04	2.54E-04
1073	565908.4	4222469	0.003312	0.00438	1.57E-03	1.76E-03	4.80E-03	1.57E-03	4.35E-04	8.56E-04	5.13E-04	3.37E-04	4.76E-04	2.34E-04
1074	565908.2	4222452	0.003337	0.004413	1.58E-03	1.77E-03	4.84E-03	1.58E-03	4.38E-04	8.62E-04	5.17E-04	3.39E-04	4.80E-04	2.36E-04
1075	565907.9	4222443	0.003343	0.004422	1.58E-03	1.77E-03	4.85E-03	1.58E-03	4.39E-04	8.64E-04	5.18E-04	3.40E-04	4.81E-04	2.36E-04
1076	565928.4	4222468	0.003097	0.004095	1.47E-03	1.64E-03	4.49E-03	1.47E-03	4.07E-04	8.00E-04	4.80E-04	3.15E-04	4.45E-04	2.19E-04
1077	565928.2	4222452	0.003114	0.004118	1.48E-03	1.65E-03	4.51E-03	1.48E-03	4.09E-04	8.04E-04	4.83E-04	3.16E-04	4.48E-04	2.20E-04
1078	565927.9	4222442	0.003121	0.004127	1.48E-03	1.65E-03	4.52E-03	1.48E-03	4.10E-04	8.06E-04	4.84E-04	3.17E-04	4.49E-04	2.21E-04
1079	565948.4	4222468	0.002901	0.003837	1.37E-03	1.54E-03	4.21E-03	1.37E-03	3.81E-04	7.50E-04	4.50E-04	2.95E-04	4.17E-04	2.05E-04
1080	565948.2	4222451	0.002912	0.003851	1.38E-03	1.54E-03	4.22E-03	1.38E-03	3.82E-04	7.52E-04	4.51E-04	2.96E-04	4.19E-04	2.06E-04
1081	565947.9	4222442	0.002921	0.003863	1.38E-03	1.55E-03	4.24E-03	1.38E-03	3.84E-04	7.55E-04	4.53E-04	2.97E-04	4.20E-04	2.07E-04
1082	565968.4	4222468	0.00273	0.003611	1.29E-03	1.45E-03	3.96E-03	1.29E-03	3.59E-04	7.05E-04	4.23E-04	2.77E-04	3.93E-04	1.93E-04
1083	565968.2	4222451	0.002739	0.003622	1.30E-03	1.45E-03	3.97E-03	1.30E-03	3.60E-04	7.08E-04	4.25E-04	2.78E-04	3.94E-04	1.94E-04
1084	565967.9	4222441	0.002746	0.003632	1.30E-03	1.46E-03	3.98E-03	1.30E-03	3.61E-04	7.09E-04	4.26E-04	2.79E-04	3.95E-04	1.94E-04
1085	565988.4	4222468	0.002574	0.003404	1.22E-03	1.36E-03	3.73E-03	1.22E-03	3.38E-04	6.65E-04	3.99E-04	2.62E-04	3.70E-04	1.82E-04
1086	565988.1	4222450	0.002581	0.003414	1.22E-03	1.37E-03	3.74E-03	1.22E-03	3.39E-04	6.67E-04	4.00E-04	2.62E-04	3.71E-04	1.83E-04
1087	565987.9	4222441	0.002587	0.003421	1.23E-03	1.37E-03	3.75E-03	1.23E-03	3.40E-04	6.68E-04	4.01E-04	2.63E-04	3.72E-04	1.83E-04
1088	566008.4	4222468	0.002433	0.003218	1.15E-03	1.29E-03	3.53E-03	1.15E-03	3.20E-04	6.29E-04	3.77E-04	2.47E-04	3.50E-04	1.72E-04
1089	566008.1	4222450	0.002439	0.003225	1.16E-03	1.29E-03	3.54E-03	1.16E-03	3.20E-04	6.30E-04	3.78E-04	2.48E-04	3.51E-04	1.72E-04

1090	566007.9	4222440	0.002442	0.00323	1.16E-03	1.29E-03	3.54E-03	1.16E-03	3.21E-04	6.31E-04	3.79E-04	2.48E-04	3.51E-04	1.73E-04
1091	566028.4	4222468	0.002308	0.003052	1.09E-03	1.22E-03	3.35E-03	1.09E-03	3.03E-04	5.96E-04	3.58E-04	2.35E-04	3.32E-04	1.63E-04
1092	566028.1	4222449	0.002314	0.00306	1.10E-03	1.23E-03	3.35E-03	1.10E-03	3.04E-04	5.98E-04	3.59E-04	2.35E-04	3.33E-04	1.64E-04
1093	566027.9	4222440	0.002313	0.003059	1.10E-03	1.23E-03	3.35E-03	1.10E-03	3.04E-04	5.98E-04	3.59E-04	2.35E-04	3.33E-04	1.64E-04
1094	566048.4	4222467	0.002185	0.00289	1.04E-03	1.16E-03	3.17E-03	1.04E-03	2.87E-04	5.64E-04	3.39E-04	2.22E-04	3.14E-04	1.55E-04
1095	566048.4	4222459	0.002187	0.002892	1.04E-03	1.16E-03	3.17E-03	1.04E-03	2.87E-04	5.65E-04	3.39E-04	2.22E-04	3.15E-04	1.55E-04
1096	566048.1	4222449	0.002188	0.002893	1.04E-03	1.16E-03	3.17E-03	1.04E-03	2.87E-04	5.65E-04	3.39E-04	2.22E-04	3.15E-04	1.55E-04
1097	566047.9	4222439	0.002187	0.002892	1.04E-03	1.16E-03	3.17E-03	1.04E-03	2.87E-04	5.65E-04	3.39E-04	2.22E-04	3.15E-04	1.55E-04
1098	566068.4	4222467	0.002068	0.002735	9.80E-04	1.10E-03	3.00E-03	9.80E-04	2.72E-04	5.34E-04	3.21E-04	2.10E-04	2.98E-04	1.46E-04
1099	566068.4	4222476	0.002068	0.002735	9.80E-04	1.10E-03	3.00E-03	9.80E-04	2.72E-04	5.34E-04	3.21E-04	2.10E-04	2.97E-04	1.46E-04
1100	566068.4	4222458	0.002068	0.002735	9.80E-04	1.10E-03	3.00E-03	9.80E-04	2.72E-04	5.34E-04	3.21E-04	2.10E-04	2.97E-04	1.46E-04
1101	566068.1	4222448	0.002068	0.002735	9.80E-04	1.10E-03	3.00E-03	9.80E-04	2.72E-04	5.34E-04	3.21E-04	2.10E-04	2.97E-04	1.46E-04
1102	566067.9	4222439	0.002066	0.002733	9.79E-04	1.10E-03	3.00E-03	9.79E-04	2.71E-04	5.34E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
1103	565551.8	4222441	0.022	0.029095	1.04E-02	1.17E-02	3.19E-02	1.04E-02	2.89E-03	5.68E-03	3.41E-03	2.24E-03	3.16E-03	1.56E-03
1104	565561.6	4222440	0.020318	0.02687	9.63E-03	1.08E-02	2.95E-02	9.63E-03	2.67E-03	5.25E-03	3.15E-03	2.06E-03	2.92E-03	1.44E-03
1105	565561.2	4222431	0.021531	0.028474	1.02E-02	1.14E-02	3.12E-02	1.02E-02	2.83E-03	5.56E-03	3.34E-03	2.19E-03	3.10E-03	1.52E-03
1106	565560.7	4222421	0.022726	0.030055	1.08E-02	1.20E-02	3.29E-02	1.08E-02	2.98E-03	5.87E-03	3.52E-03	2.31E-03	3.27E-03	1.61E-03
1107	565571.4	4222440	0.018817	0.024885	8.91E-03	9.98E-03	2.73E-02	8.91E-03	2.47E-03	4.86E-03	2.92E-03	1.91E-03	2.71E-03	1.33E-03
1108	565571	4222430	0.019832	0.026227	9.40E-03	1.05E-02	2.88E-02	9.40E-03	2.60E-03	5.12E-03	3.07E-03	2.02E-03	2.85E-03	1.40E-03
1109	565570.6	4222421	0.020808	0.027518	9.86E-03	1.10E-02	3.02E-02	9.86E-03	2.73E-03	5.38E-03	3.23E-03	2.11E-03	2.99E-03	1.47E-03
1110	565581.3	4222439	0.017473	0.023108	8.28E-03	9.26E-03	2.53E-02	8.28E-03	2.29E-03	4.51E-03	2.71E-03	1.78E-03	2.51E-03	1.24E-03
1111	565580.8	4222430	0.018324	0.024233	8.68E-03	9.72E-03	2.66E-02	8.68E-03	2.41E-03	4.73E-03	2.84E-03	1.86E-03	2.64E-03	1.30E-03
1112	565580.4	4222420	0.019128	0.025297	9.06E-03	1.01E-02	2.77E-02	9.06E-03	2.51E-03	4.94E-03	2.97E-03	1.94E-03	2.75E-03	1.35E-03
1113	565591.1	4222439	0.016264	0.021509	7.71E-03	8.62E-03	2.36E-02	7.71E-03	2.14E-03	4.20E-03	2.52E-03	1.65E-03	2.34E-03	1.15E-03
1114	565590.6	4222429	0.016978	0.022453	8.04E-03	9.00E-03	2.46E-02	8.04E-03	2.23E-03	4.39E-03	2.63E-03	1.73E-03	2.44E-03	1.20E-03
1115	565590.2	4222420	0.017645	0.023335	8.36E-03	9.36E-03	2.56E-02	8.36E-03	2.32E-03	4.56E-03	2.74E-03	1.79E-03	2.54E-03	1.25E-03
1116	565610.7	4222438	0.014178	0.01875	6.72E-03	7.52E-03	2.06E-02	6.72E-03	1.86E-03	3.66E-03	2.20E-03	1.44E-03	2.04E-03	1.00E-03
1117	565610.3	4222429	0.014686	0.019422	6.96E-03	7.79E-03	2.13E-02	6.96E-03	1.93E-03	3.79E-03	2.28E-03	1.49E-03	2.11E-03	1.04E-03
1118	565609.9	4222419	0.015149	0.020035	7.18E-03	8.03E-03	2.20E-02	7.18E-03	1.99E-03	3.91E-03	2.35E-03	1.54E-03	2.18E-03	1.07E-03
1119	565620.6	4222438	0.013274	0.017555	6.29E-03	7.04E-03	1.92E-02	6.29E-03	1.74E-03	3.43E-03	2.06E-03	1.35E-03	1.91E-03	9.39E-04
1120	565620.1	4222428	0.013704	0.018123	6.49E-03	7.27E-03	1.99E-02	6.49E-03	1.80E-03	3.54E-03	2.12E-03	1.39E-03	1.97E-03	9.69E-04
1121	565619.7	4222419	0.014092	0.018637	6.68E-03	7.47E-03	2.04E-02	6.68E-03	1.85E-03	3.64E-03	2.18E-03	1.43E-03	2.03E-03	9.97E-04
1122	565630.4	4222437	0.012434	0.016444	5.89E-03	6.59E-03	1.80E-02	5.89E-03	1.63E-03	3.21E-03	1.93E-03	1.26E-03	1.79E-03	8.79E-04
1123	565630	4222428	0.012795	0.016922	6.06E-03	6.78E-03	1.86E-02	6.06E-03	1.68E-03	3.31E-03	1.98E-03	1.30E-03	1.84E-03	9.05E-04
1124	565629.5	4222418	0.013118	0.017348	6.21E-03	6.96E-03	1.90E-02	6.21E-03	1.72E-03	3.39E-03	2.03E-03	1.33E-03	1.89E-03	9.28E-04
1125	565640.2	4222437	0.011679	0.015445	5.53E-03	6.19E-03	1.69E-02	5.53E-03	1.53E-03	3.02E-03	1.81E-03	1.19E-03	1.68E-03	8.26E-04
1126	565639.8	4222427	0.011986	0.015852	5.68E-03	6.35E-03	1.74E-02	5.68E-03	1.57E-03	3.10E-03	1.86E-03	1.22E-03	1.72E-03	8.48E-04
1127	565639.4	4222418	0.012255	0.016207	5.81E-03	6.50E-03	1.78E-02	5.81E-03	1.61E-03	3.17E-03	1.90E-03	1.25E-03	1.76E-03	8.67E-04
1128	565650.1	4222436	0.010983	0.014524	5.20E-03	5.82E-03	1.59E-02	5.20E-03	1.44E-03	2.84E-03	1.70E-03	1.12E-03	1.58E-03	7.77E-04
1129	565649.6	4222427	0.011242	0.014868	5.33E-03	5.96E-03	1.63E-02	5.33E-03	1.48E-03	2.90E-03	1.74E-03	1.14E-03	1.62E-03	7.95E-04
1130	565649.2	4222417	0.011469	0.015167	5.43E-03	6.08E-03	1.66E-02	5.43E-03	1.51E-03	2.96E-03	1.78E-03	1.17E-03	1.65E-03	8.11E-04
1131	565659.9	4222436	0.010339	0.013673	4.90E-03	5.48E-03	1.50E-02	4.90E-03	1.36E-03	2.67E-03	1.60E-03	1.05E-03	1.49E-03	7.31E-04
1132	565659.4	4222426	0.010559	0.013964	5.00E-03	5.60E-03	1.53E-02	5.00E-03	1.39E-03	2.73E-03	1.64E-03	1.07E-03	1.52E-03	7.47E-04
1133	565659	4222417	0.010751	0.014217	5.09E-03	5.70E-03	1.56E-02	5.09E-03	1.41E-03	2.78E-03	1.67E-03	1.09E-03	1.55E-03	7.60E-04
1134	565669.7	4222435	0.009747	0.01289	4.62E-03	5.17E-03	1.41E-02	4.62E-03	1.28E-03	2.52E-03	1.51E-03	9.91E-04	1.40E-03	6.89E-04
1135	565669.3	4222426	0.009932	0.013136	4.71E-03	5.27E-03	1.44E-02	4.71E-03	1.30E-03	2.57E-03	1.54E-03	1.01E-03	1.43E-03	7.02E-04
1136	565668.8	4222416	0.010095	0.013351	4.78E-03	5.35E-03	1.46E-02	4.78E-03	1.33E-03	2.61E-03	1.56E-03	1.03E-03	1.45E-03	7.14E-04
1137	565679.1	4222425	0.009357	0.012374	4.43E-03	4.96E-03	1.36E-02	4.43E-03	1.23E-03	2.42E-03	1.45E-03	9.51E-04	1.35E-03	6.62E-04
1138	565678.7	4222416	0.009494	0.012556	4.50E-03	5.03E-03	1.38E-02	4.50E-03	1.25E-03	2.45E-03	1.47E-03	9.65E-04	1.37E-03	6.71E-04
1139	565689.4	4222435	0.008694	0.011497	4.12E-03	4.61E-03	1.26E-02	4.12E-03	1.14E-03	2.25E-03	1.35E-03	8.84E-04	1.25E-03	6.15E-04
1140	565688.5	4222415	0.008943	0.011827	4.24E-03	4.74E-03	1.30E-02	4.24E-03	1.17E-03	2.31E-03	1.39E-03	9.09E-04	1.29E-03	6.32E-04
1141	565699.2	4222434	0.008226	0.010878	3.90E-03	4.36E-03	1.19E-02	3.90E-03	1.08E-03	2.12E-03	1.28E-03	8.36E-04	1.18E-03	5.82E-04
1142	565698.8	4222425	0.008339	0.011028	3.95E-03	4.42E-03	1.21E-02	3.95E-03	1.10E-03	2.15E-03	1.29E-03	8.47E-04	1.20E-03	5.90E-04
1143	565709	4222434	0.007796	0.01031	3.69E-03	4.13E-03	1.13E-02	3.69E-03	1.02E-03	2.01E-03	1.21E-03	7.92E-04	1.12E-03	5.51E-04
1144	565708.6	4222424	0.007891	0.010436	3.74E-03	4.18E-03	1.14E-02	3.74E-03	1.04E-03	2.04E-03	1.22E-03	8.02E-04	1.14E-03	5.58E-04
1145	565708.2	4222415	0.007973	0.010544	3.78E-03	4.23E-03	1.16E-02	3.78E-03	1.05E-03	2.06E-03	1.24E-03	8.10E-04	1.15E-03	5.64E-04
1146	565718.9	4222433	0.0074	0.009787	3.51E-03	3.92E-03	1.07E-02	3.51E-03	9.72E-04	1.91E-03	1.15E-03	7.52E-04	1.06E-03	5.23E-04
1147	565718.4	4222424	0.007482	0.009895	3.54E-03	3.97E-03	1.08E-02	3.54E-03	9.83E-04	1.93E-03	1.16E-03	7.60E-04	1.08E-03	5.29E-04
1148	565718	4222414	0.00755	0.009984	3.58E-03	4.00E-03	1.09E-02	3.58E-03	9.91E-04	1.95E-03	1.17E-03	7.67E-04	1.09E-03	5.34E-04
1149	565728.7	4222433	0.007033	0.009301	3.33E-03	3.73E-03	1.02E-02	3.33E-03	9.24E-04	1.82E-03	1.09E-03	7.15E-04	1.01E-03	4.97E-04
1150	565728.2	4222423	0.007102	0.009393	3.36E-03	3.77E-03	1.03E-02	3.36E-03	9.33E-04	1.83E-03	1.10E-03	7.22E-04	1.02E-03	5.02E-04
1151	565727.8	4222414	0.007159	0.009468	3.39E-03	3.80E-03	1.04E-02	3.39E-03	9.40E-04	1.85E-03	1.11E-03	7.28E-04	1.03E-03	5.06E-04
1152	565738.5	4222432	0.006692	0.00885	3.17E-03	3.55E-03	9.70E-03	3.17E-03	8.79E-04	1.73E-03	1.04E-03	6.80E-04	9.63E-04	4.73E-04
1153	565738.1	4222423	0.00675	0.008927	3.20E-03	3.58E-03	9.79E-03	3.20E-03	8.86E-04	1.74E-03	1.05E-03	6.86E-04	9.71E-04	4.77E-04
1154	565737.6	4222413	0.006797	0.008988	3.22E-03	3.60E-03	9.85E-03	3.22E-03	8.93E-04	1.76E-03	1.05E-03	6.91E-04	9.78E-04	4.81E-04
1155	565748.3	4222432	0.006374	0.008429	3.02E-03	3.38E-03	9.24E-03	3.02E-03	8.37E-04	1.65E-03	9.88E-04	6.48E-04	9.17E-04	4.51E-04
1156	565747.9	4222422	0.006422	0.008494	3.04E-03	3.41E-03	9.31E-03	3.04E-03	8.43E-04	1.66E-03	9.96E-04	6.53E-04	9.24E-04	4.54E-04
1157	565747.5	4222413	0.00646	0.008543	3.06E-03	3.42E-03	9.36E-03	3.06E-03	8.48E-04	1.67E-03	1.00E-03	6.56E-04	9.29E-04	4.57E-04
1158	565758.2	4222431	0.006077	0.008037	2.88E-03	3.22E-03	8.81E-03	2.88E-03	7.98E-04	1.57E-03	9.42E-04	6.18E-04	8.74E-04	4.30E-04
1159	565757.7	4222422	0.006118	0.008091	2.90E-03	3.24E-03	8.87E-03	2.90E-03	8.03E-04	1.58E-03	9.48E-04	6.22E-04	8.80E-04	4.33E-04
1160	565757.3	4222412	0.006147	0.00813	2.91E-03	3.26E-03	8.91E-03	2.91E-03	8.07E-04	1.59E-03	9.53E-04	6.25E-04	8.84E-04	4.35E-04
1161	565768	4222431	0.005799	0.007669	2.75E-03	3.07E-03	8.41E-03	2.75E-03	7.62E-04	1.50E-03	8.99E-04	5.89E-04	8.34E-04	4.10E-04
1162	565767.6	4222421	0.005833	0.007714	2.76E-03	3.09E-03	8.46E-03	2.76E-03	7.66E-04	1.51E-03	9.04E-04	5.93E-04	8.39E-04	4.13E-04
1163	565767.1	4222412	0.005856	0.007745	2.77E-03	3.10E-03	8.49E-03	2.77E-03	7.69E-04	1.51E-03	9.08E-04	5.95E-04	8.42E-04	4.14E-04
1164	565777.8	4222431	0.005537	0.007322	2.62E-03	2.94E-03	8.03E-03	2.62E-03	7.27E-04	1.43E-03	8.58E-04	5.63E-04	7.96E-04	3.92E-04
1165	565777.4	4222421	0.005565	0.00736	2.64E-03	2.95E-03	8.07E-03	2.64E-03	7.31E-04	1.44E-03	8.63E-04	5.66E-04	8.01E-04	3.94E-04
1166	565777	4222411	0.005584	0.007385	2.65E-03	2.96E-03	8.10E-03	2.65E-03	7.33E-04	1.44E-03	8.66E-04	5.67E-04	8.03E-04	3.95E-04
1167	565787.2	4222421	0.005316	0.00703	2.52E-03	2.82E-03	7.71E-03	2.52E-03	6.98E-04	1.37E-03	8.24E-04	5.40E-04	7.65E-04	3.76E-04
1168	565786.8	4222411	0.00533	0.007049	2.53E-03	2.83E-03	7.73E-03	2.53E-03	7.00E-04	1.38E-03	8.26E-04	5.42E-04	7.67E-04	3.77E-04
1169	565796.6	4222411	0.00523	0.006917	2.48E-03	2.77E-03	7.58E-03	2.48E-03	6.87E-04	1.35E-03	8.11E-04	5.32E-04	7.52E-04	3.70E-04
1170	565807.3	4222429	0.004984	0.006591	2.36E-03	2.64E-03	7.23E-03	2.36E-03	6.55E-04	1.29E-03	7.73E-04	5.06E-04	7.17E-04	3.52E-04
1171	565827.3	4222428	0.004577	0.006053	2.17E-03	2.43E-03	6.64E-03	2.17E-03	6.01E-04	1.18E-03	7.09E-04	4.65E-04	6.58E-04	3.24E-04
1172	565826.9	4222419	0.004587	0.006067	2.17E-03	2.43E-03	6.65E-03	2.17E-03	6.02E-04	1.19E-03	7.11E-04	4.66E-04	6.60E-04	3.24E-04
1173	565826.4	4222409	0.00459	0.006071	2.17E-03	2.43E-03	6.66E-03	2.17E-03	6.03E-04	1.19E-03	7.12E-04	4.67E-04	6.60E-04	3.25E-04
1174	565847.3	4222427	0.004203	0.005559	1.99E-03	2.23E-03	6.09E-03	1.99E-03	5.52E-04	1.09E-03	6.52E-04	4.27E-04	6.05E-04	2.97E-04
1175	565846.8	4222418	0.004214	0.005573	2.00E-03	2.23E-03	6.11E-03	2.00E-03	5.53E-04	1.09E-03	6.53E-04	4.28E-04	6.06E-04	2.98E-04
1176	565846.4	4222408	0.004218	0.005579	2.00E-03	2.24E-03	6.12E-03	2.00E-03	5.54E-04	1.09E-03	6.54E-04	4.29E-04	6.07E-04	2.98E-04
1177	565867.2	4222427	0.003886	0.005139	1.84E-03	2.06E-03	5.63E-03	1.84E-03	5.10E-04	1.00E-03	6.02E-04	3.95E-04	5.59E-04	2.75E-04
1178	565866.8	4222417	0.003892	0.005147	1.84E-03	2.06E-03	5.64E-03	1.84E-03	5.11E-04	1.01E-03	6.03E-04	3.96E-04	5.60E-04	2.75E-04
1179	565866.4	4222407	0.003893	0.005148	1.84E-03	2.06E-03	5.64E-03	1.84E-03	5.11E-04	1.01E-03	6.03E-04	3.96E-04	5.60E-04	2.75E-04
1180	565887.2	4222426	0.003609	0.004773	1.71E-03	1.91E-03	5.23E-03	1.71E-03	4.74E-04	9.32E-04	5.60E-04	3.67E-04	5.19E-04	2.55E-04

1181	565886.8	4222416	0.00361	0.004774	1.71E-03	1.91E-03	5.23E-03	1.71E-03	4.74E-04	9.33E-04	5.60E-04	3.67E-04	5.19E-04	2.55E-04
1182	565886.4	4222406	0.003607	0.00477	1.71E-03	1.91E-03	5.23E-03	1.71E-03	4.74E-04	9.32E-04	5.59E-04	3.67E-04	5.19E-04	2.55E-04
1183	565907.2	4222425	0.003352	0.004433	1.59E-03	1.78E-03	4.86E-03	1.59E-03	4.40E-04	8.66E-04	5.20E-04	3.41E-04	4.82E-04	2.37E-04
1184	565906.8	4222415	0.003356	0.004438	1.59E-03	1.78E-03	4.86E-03	1.59E-03	4.41E-04	8.67E-04	5.20E-04	3.41E-04	4.83E-04	2.37E-04
1185	565906.3	4222406	0.003356	0.004438	1.59E-03	1.78E-03	4.87E-03	1.59E-03	4.41E-04	8.67E-04	5.20E-04	3.41E-04	4.83E-04	2.37E-04
1186	565927.2	4222424	0.003129	0.004138	1.48E-03	1.66E-03	4.54E-03	1.48E-03	4.11E-04	8.08E-04	4.85E-04	3.18E-04	4.50E-04	2.21E-04
1187	565926.8	4222414	0.003133	0.004143	1.48E-03	1.66E-03	4.54E-03	1.48E-03	4.11E-04	8.09E-04	4.86E-04	3.18E-04	4.51E-04	2.22E-04
1188	565926.3	4222405	0.003134	0.004144	1.48E-03	1.66E-03	4.54E-03	1.48E-03	4.12E-04	8.10E-04	4.86E-04	3.18E-04	4.51E-04	2.22E-04
1189	565947.6	4222432	0.002928	0.003872	1.39E-03	1.55E-03	4.24E-03	1.39E-03	3.84E-04	7.56E-04	4.54E-04	2.98E-04	4.21E-04	2.07E-04
1190	565947.2	4222423	0.002933	0.003879	1.39E-03	1.55E-03	4.25E-03	1.39E-03	3.85E-04	7.58E-04	4.55E-04	2.98E-04	4.22E-04	2.07E-04
1191	565946.7	4222413	0.002935	0.003881	1.39E-03	1.56E-03	4.25E-03	1.39E-03	3.85E-04	7.58E-04	4.55E-04	2.98E-04	4.22E-04	2.08E-04
1192	565946.3	4222404	0.002934	0.003881	1.39E-03	1.56E-03	4.25E-03	1.39E-03	3.85E-04	7.58E-04	4.55E-04	2.98E-04	4.22E-04	2.08E-04
1193	565967.6	4222432	0.002751	0.003639	1.30E-03	1.46E-03	3.99E-03	1.30E-03	3.61E-04	7.11E-04	4.27E-04	2.80E-04	3.96E-04	1.95E-04
1194	565967.1	4222422	0.002754	0.003641	1.30E-03	1.46E-03	3.99E-03	1.30E-03	3.62E-04	7.11E-04	4.27E-04	2.80E-04	3.96E-04	1.95E-04
1195	565966.7	4222412	0.002751	0.003639	1.30E-03	1.46E-03	3.99E-03	1.30E-03	3.61E-04	7.11E-04	4.27E-04	2.80E-04	3.96E-04	1.95E-04
1196	565966.3	4222403	0.002747	0.003633	1.30E-03	1.46E-03	3.98E-03	1.30E-03	3.61E-04	7.10E-04	4.26E-04	2.79E-04	3.95E-04	1.94E-04
1197	565987.6	4222431	0.002591	0.003427	1.23E-03	1.37E-03	3.76E-03	1.23E-03	3.40E-04	6.69E-04	4.02E-04	2.63E-04	3.73E-04	1.83E-04
1198	565987.1	4222421	0.002592	0.003427	1.23E-03	1.37E-03	3.76E-03	1.23E-03	3.40E-04	6.69E-04	4.02E-04	2.63E-04	3.73E-04	1.83E-04
1199	565986.7	4222412	0.002588	0.003422	1.23E-03	1.37E-03	3.75E-03	1.23E-03	3.40E-04	6.69E-04	4.01E-04	2.63E-04	3.72E-04	1.83E-04
1200	565986.3	4222402	0.002583	0.003416	1.22E-03	1.37E-03	3.74E-03	1.22E-03	3.39E-04	6.67E-04	4.00E-04	2.62E-04	3.72E-04	1.83E-04
1201	566007.5	4222430	0.002445	0.003234	1.16E-03	1.30E-03	3.55E-03	1.16E-03	3.21E-04	6.32E-04	3.79E-04	2.49E-04	3.52E-04	1.73E-04
1202	566007.1	4222420	0.002444	0.003232	1.16E-03	1.30E-03	3.54E-03	1.16E-03	3.21E-04	6.31E-04	3.79E-04	2.48E-04	3.52E-04	1.73E-04
1203	566006.7	4222411	0.00244	0.003227	1.16E-03	1.29E-03	3.54E-03	1.16E-03	3.20E-04	6.30E-04	3.78E-04	2.48E-04	3.51E-04	1.73E-04
1204	566006.2	4222401	0.002435	0.00322	1.15E-03	1.29E-03	3.53E-03	1.15E-03	3.20E-04	6.29E-04	3.77E-04	2.47E-04	3.50E-04	1.72E-04
1205	566027.5	4222429	0.002312	0.003058	1.10E-03	1.23E-03	3.35E-03	1.10E-03	3.04E-04	5.97E-04	3.58E-04	2.35E-04	3.33E-04	1.64E-04
1206	566027.1	4222419	0.002308	0.003052	1.09E-03	1.22E-03	3.35E-03	1.09E-03	3.03E-04	5.96E-04	3.58E-04	2.35E-04	3.32E-04	1.63E-04
1207	566026.7	4222410	0.002301	0.003043	1.09E-03	1.22E-03	3.34E-03	1.09E-03	3.02E-04	5.94E-04	3.57E-04	2.34E-04	3.31E-04	1.63E-04
1208	566026.2	4222400	0.002293	0.003032	1.09E-03	1.22E-03	3.32E-03	1.09E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.30E-04	1.62E-04
1209	566047.5	4222428	0.002185	0.002889	1.03E-03	1.16E-03	3.17E-03	1.03E-03	2.87E-04	5.64E-04	3.39E-04	2.22E-04	3.14E-04	1.54E-04
1210	566047.1	4222418	0.00218	0.002884	1.03E-03	1.16E-03	3.16E-03	1.03E-03	2.86E-04	5.63E-04	3.38E-04	2.22E-04	3.14E-04	1.54E-04
1211	566046.6	4222409	0.002174	0.002876	1.03E-03	1.15E-03	3.15E-03	1.03E-03	2.86E-04	5.62E-04	3.37E-04	2.21E-04	3.13E-04	1.54E-04
1212	566046.2	4222399	0.002167	0.002866	1.03E-03	1.15E-03	3.14E-03	1.03E-03	2.85E-04	5.60E-04	3.36E-04	2.20E-04	3.12E-04	1.53E-04
1213	566067.5	4222427	0.002064	0.00273	9.78E-04	1.09E-03	2.99E-03	9.78E-04	2.71E-04	5.33E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
1214	566067	4222417	0.002061	0.002726	9.77E-04	1.09E-03	2.99E-03	9.77E-04	2.71E-04	5.33E-04	3.20E-04	2.09E-04	2.97E-04	1.46E-04
1215	565560.4	4222408	0.024141	0.031926	1.14E-02	1.28E-02	3.50E-02	1.14E-02	3.17E-03	6.24E-03	3.74E-03	2.45E-03	3.47E-03	1.71E-03
1216	565570.3	4222408	0.02192	0.02899	1.04E-02	1.16E-02	3.18E-02	1.04E-02	2.88E-03	5.66E-03	3.40E-03	2.23E-03	3.15E-03	1.55E-03
1217	565580.1	4222408	0.02001	0.026463	9.48E-03	1.06E-02	2.90E-02	9.48E-03	2.63E-03	5.17E-03	3.10E-03	2.03E-03	2.88E-03	1.42E-03
1218	565589.9	4222408	0.018351	0.024269	8.69E-03	9.73E-03	2.66E-02	8.69E-03	2.41E-03	4.74E-03	2.84E-03	1.86E-03	2.64E-03	1.30E-03
1219	565619.5	4222407	0.014458	0.019121	6.85E-03	7.67E-03	2.10E-02	6.85E-03	1.90E-03	3.74E-03	2.24E-03	1.47E-03	2.08E-03	1.02E-03
1220	565629.3	4222407	0.013408	0.017732	6.35E-03	7.11E-03	1.94E-02	6.35E-03	1.76E-03	3.46E-03	2.08E-03	1.36E-03	1.93E-03	9.48E-04
1221	565639.1	4222407	0.012489	0.016517	5.92E-03	6.62E-03	1.81E-02	5.92E-03	1.64E-03	3.23E-03	1.94E-03	1.27E-03	1.80E-03	8.83E-04
1222	565649	4222406	0.011657	0.015416	5.52E-03	6.18E-03	1.69E-02	5.52E-03	1.53E-03	3.01E-03	1.81E-03	1.18E-03	1.68E-03	8.24E-04
1223	565658.8	4222406	0.010903	0.014419	5.17E-03	5.78E-03	1.58E-02	5.17E-03	1.43E-03	2.82E-03	1.69E-03	1.11E-03	1.57E-03	7.71E-04
1224	565668.6	4222406	0.010219	0.013515	4.84E-03	5.42E-03	1.48E-02	4.84E-03	1.34E-03	2.64E-03	1.58E-03	1.04E-03	1.47E-03	7.23E-04
1225	565678.5	4222406	0.009594	0.012689	4.55E-03	5.09E-03	1.39E-02	4.55E-03	1.26E-03	2.48E-03	1.49E-03	9.75E-04	1.38E-03	6.79E-04
1226	565688.3	4222405	0.009022	0.011932	4.27E-03	4.78E-03	1.31E-02	4.27E-03	1.18E-03	2.33E-03	1.40E-03	9.17E-04	1.30E-03	6.38E-04
1227	565698.1	4222405	0.008499	0.011239	4.03E-03	4.51E-03	1.23E-02	4.03E-03	1.12E-03	2.20E-03	1.32E-03	8.64E-04	1.22E-03	6.01E-04
1228	565717.8	4222405	0.007588	0.010035	3.59E-03	4.02E-03	1.10E-02	3.59E-03	9.96E-04	1.96E-03	1.18E-03	7.71E-04	1.09E-03	5.37E-04
1229	565727.7	4222405	0.007188	0.009506	3.41E-03	3.81E-03	1.04E-02	3.41E-03	9.44E-04	1.86E-03	1.11E-03	7.30E-04	1.03E-03	5.08E-04
1230	565737.6	4222400	0.006818	0.009017	3.23E-03	3.62E-03	9.89E-03	3.23E-03	8.95E-04	1.76E-03	1.06E-03	6.93E-04	9.81E-04	4.82E-04
1231	565747.4	4222400	0.006472	0.008559	3.07E-03	3.43E-03	9.38E-03	3.07E-03	8.50E-04	1.67E-03	1.00E-03	6.58E-04	9.31E-04	4.58E-04
1232	565757.2	4222400	0.006152	0.008136	2.91E-03	3.26E-03	8.92E-03	2.91E-03	8.08E-04	1.59E-03	9.54E-04	6.25E-04	8.85E-04	4.35E-04
1233	565767.1	4222400	0.005856	0.007744	2.77E-03	3.10E-03	8.49E-03	2.77E-03	7.69E-04	1.51E-03	9.08E-04	5.95E-04	8.42E-04	4.14E-04
1234	565776.9	4222400	0.005581	0.00738	2.64E-03	2.96E-03	8.09E-03	2.64E-03	7.33E-04	1.44E-03	8.65E-04	5.67E-04	8.03E-04	3.95E-04
1235	565786.7	4222400	0.005325	0.007042	2.52E-03	2.82E-03	7.72E-03	2.52E-03	6.99E-04	1.38E-03	8.25E-04	5.41E-04	7.66E-04	3.77E-04
1236	565796.6	4222400	0.005221	0.006904	2.47E-03	2.77E-03	7.57E-03	2.47E-03	6.86E-04	1.35E-03	8.09E-04	5.31E-04	7.51E-04	3.69E-04
1237	565806.4	4222400	0.004996	0.006607	2.37E-03	2.65E-03	7.24E-03	2.37E-03	6.56E-04	1.29E-03	7.74E-04	5.08E-04	7.19E-04	3.53E-04
1238	565560.8	4222399	0.024934	0.032976	1.18E-02	1.32E-02	3.62E-02	1.18E-02	3.27E-03	6.44E-03	3.87E-03	2.53E-03	3.59E-03	1.76E-03
1239	565570.6	4222400	0.022468	0.029714	1.06E-02	1.19E-02	3.26E-02	1.06E-02	2.95E-03	5.80E-03	3.48E-03	2.28E-03	3.23E-03	1.59E-03
1240	565581.1	4222394	0.020598	0.02724	9.76E-03	1.09E-02	2.99E-02	9.76E-03	2.71E-03	5.32E-03	3.19E-03	2.09E-03	2.96E-03	1.46E-03
1241	565590.9	4222394	0.018767	0.024819	8.89E-03	9.95E-03	2.72E-02	8.89E-03	2.46E-03	4.85E-03	2.91E-03	1.91E-03	2.70E-03	1.33E-03
1242	565620.3	4222397	0.014589	0.019294	6.91E-03	7.74E-03	2.12E-02	6.91E-03	1.92E-03	3.77E-03	2.26E-03	1.48E-03	2.10E-03	1.03E-03
1243	565630.1	4222398	0.013487	0.017836	6.39E-03	7.15E-03	1.96E-02	6.39E-03	1.77E-03	3.48E-03	2.09E-03	1.37E-03	1.94E-03	9.54E-04
1244	565925.2	4222433	0.00315	0.004166	1.49E-03	1.67E-03	4.57E-03	1.49E-03	4.14E-04	8.14E-04	4.88E-04	3.20E-04	4.53E-04	2.23E-04
1245	565561.7	4222389	0.025428	0.033628	1.20E-02	1.35E-02	3.69E-02	1.20E-02	3.34E-03	6.57E-03	3.94E-03	2.58E-03	3.66E-03	1.80E-03
1246	565571.5	4222389	0.022871	0.030247	1.08E-02	1.21E-02	3.32E-02	1.08E-02	3.00E-03	5.91E-03	3.55E-03	2.32E-03	3.29E-03	1.62E-03
1247	565581.7	4222381	0.020918	0.027664	9.91E-03	1.11E-02	3.03E-02	9.91E-03	2.75E-03	5.40E-03	3.24E-03	2.13E-03	3.01E-03	1.48E-03
1248	565591.5	4222381	0.019019	0.025153	9.01E-03	1.01E-02	2.76E-02	9.01E-03	2.50E-03	4.91E-03	2.95E-03	1.93E-03	2.74E-03	1.35E-03
1249	565621	4222383	0.014697	0.019437	6.96E-03	7.79E-03	2.13E-02	6.96E-03	1.93E-03	3.80E-03	2.28E-03	1.49E-03	2.11E-03	1.04E-03
1250	565630.9	4222383	0.013573	0.017951	6.43E-03	7.20E-03	1.97E-02	6.43E-03	1.78E-03	3.51E-03	2.10E-03	1.38E-03	1.95E-03	9.60E-04
1251	565640.4	4222392	0.012566	0.016618	5.95E-03	6.66E-03	1.82E-02	5.95E-03	1.65E-03	3.25E-03	1.95E-03	1.28E-03	1.81E-03	8.89E-04
1252	565650.2	4222392	0.011699	0.015472	5.54E-03	6.20E-03	1.70E-02	5.54E-03	1.54E-03	3.02E-03	1.81E-03	1.19E-03	1.68E-03	8.27E-04
1253	565659.7	4222397	0.010917	0.014437	5.17E-03	5.79E-03	1.58E-02	5.17E-03	1.43E-03	2.82E-03	1.69E-03	1.11E-03	1.57E-03	7.72E-04
1254	565660.3	4222384	0.010918	0.014439	5.17E-03	5.79E-03	1.58E-02	5.17E-03	1.43E-03	2.82E-03	1.69E-03	1.11E-03	1.57E-03	7.72E-04
1255	565669.9	4222393	0.010217	0.013512	4.84E-03	5.42E-03	1.48E-02	4.84E-03	1.34E-03	2.64E-03	1.58E-03	1.04E-03	1.47E-03	7.23E-04
1256	565679.7	4222393	0.009578	0.012667	4.54E-03	5.08E-03	1.39E-02	4.54E-03	1.26E-03	2.47E-03	1.48E-03	9.73E-04	1.38E-03	6.77E-04
1257	565689.5	4222394	0.008997	0.011898	4.26E-03	4.77E-03	1.30E-02	4.26E-03	1.18E-03	2.32E-03	1.39E-03	9.14E-04	1.29E-03	6.36E-04
1258	565699.3	4222394	0.008467	0.011197	4.01E-03	4.49E-03	1.23E-02	4.01E-03	1.11E-03	2.19E-03	1.31E-03	8.60E-04	1.22E-03	5.99E-04
1259	565709.2	4222394	0.007986	0.010562	3.78E-03	4.23E-03	1.16E-02	3.78E-03	1.05E-03	2.06E-03	1.24E-03	8.12E-04	1.15E-03	5.65E-04
1260	565728.8	4222395	0.007148	0.009454	3.39E-03	3.79E-03	1.04E-02	3.39E-03	9.39E-04	1.85E-03	1.11E-03	7.26E-04	1.03E-03	5.06E-04
1261	565739	4222387	0.006752	0.008929	3.20E-03	3.58E-03	9.79E-03	3.20E-03	8.87E-04	1.74E-03	1.05E-03	6.86E-04	9.71E-04	4.77E-04
1262	565748.8	4222388	0.006408	0.008474	3.04E-03	3.40E-03	9.29E-03	3.04E-03	8.42E-04	1.66E-03	9.93E-04	6.51E-04	9.22E-04	4.53E-04
1263	565758.7	4222388	0.00609	0.008054	2.89E-03	3.23E-03	8.83E-03	2.89E-03	8.00E-04	1.57E-03	9.44E-04	6.19E-04	8.76E-04	4.31E-04
1264	565768.5	4222388	0.005797	0.007666	2.75E-03	3.07E-03	8.40E-03	2.75E-03	7.61E-04	1.50E-03	8.99E-04	5.89E-04	8.34E-04	4.10E-04
1265	565778.3	4222389	0.005525	0.007306	2.62E-03	2.93E-03	8.01E-03	2.62E-03	7.26E-04	1.43E-03	8.56E-04	5.61E-04	7.95E-04	3.91E-04
1266	565788.2	4222389	0.005272	0.006973	2.50E-03	2.80E-03	7.64E-03	2.50E-03	6.92E-04	1.36E-03	8.17E-04	5.36E-04	7.58E-04	3.73E-04
1267	565798	4222390	0.005168	0.006834	2.45E-03	2.74E-03	7.49E-03	2.45E-03	6.79E-04	1.34E-03	8.01E-04	5.25E-04	7.43E-04	3.65E-04
1268	565807.8	4222390	0.004946	0.00654	2.34E-03	2.62E-03	7.17E-03	2.34E-03	6.49E-04	1.28E-03	7.67E-04	5.03E-04	7.11E-04	3.50E-04
1269	565847.8	4222392	0.004176	0.005522	1.98E-03	2.21E-03	6.05E-03	1.98E-03	5.48E-04	1.08E-03	6.47E-04	4.24E-04	6.01E-04	2.95E-04
1270	565867.8	4222392	0.003856	0.005099	1.83E-03	2.04E-03	5.59E-03	1.83E-03	5.06E-04	9.96E-04	5.98E-04	3.92E-04	5.55E-04	2.73E-04
1271	565887.7	4222393	0.003572	0.004724	1.69E-03	1.89E-03	5.18E-03	1.69E-03	4.69E-04	9.23E-04	5.54E-04	3.63E-04	5.14E-04	2.53E-04

1272	565907.7	4222394	0.003329	0.004402	1.58E-03	1.76E-03	4.83E-03	1.58E-03	4.37E-04	8.60E-04	5.16E-04	3.38E-04	4.79E-04	2.35E-04
1273	565927.7	4222395	0.003111	0.004115	1.47E-03	1.65E-03	4.51E-03	1.47E-03	4.09E-04	8.04E-04	4.82E-04	3.16E-04	4.48E-04	2.20E-04
1274	565562.1	4222378	0.025889	0.034238	1.23E-02	1.37E-02	3.75E-02	1.23E-02	3.40E-03	6.69E-03	4.01E-03	2.63E-03	3.72E-03	1.83E-03
1275	565562	4222368	0.026218	0.034674	1.24E-02	1.39E-02	3.80E-02	1.24E-02	3.44E-03	6.77E-03	4.06E-03	2.66E-03	3.77E-03	1.85E-03
1276	565562	4222358	0.026357	0.034857	1.25E-02	1.40E-02	3.82E-02	1.25E-02	3.46E-03	6.81E-03	4.09E-03	2.68E-03	3.79E-03	1.86E-03
1277	565562	4222348	0.026304	0.034786	1.25E-02	1.39E-02	3.81E-02	1.25E-02	3.45E-03	6.80E-03	4.08E-03	2.67E-03	3.78E-03	1.86E-03
1278	565561.9	4222338	0.026058	0.034462	1.23E-02	1.38E-02	3.78E-02	1.23E-02	3.42E-03	6.73E-03	4.04E-03	2.65E-03	3.75E-03	1.84E-03
1279	565561.9	4222328	0.025622	0.033885	1.21E-02	1.36E-02	3.71E-02	1.21E-02	3.36E-03	6.62E-03	3.97E-03	2.60E-03	3.69E-03	1.81E-03
1280	565561.8	4222318	0.025	0.033062	1.18E-02	1.33E-02	3.62E-02	1.18E-02	3.28E-03	6.46E-03	3.88E-03	2.54E-03	3.60E-03	1.77E-03
1281	565571.9	4222378	0.023231	0.030722	1.10E-02	1.23E-02	3.37E-02	1.10E-02	3.05E-03	6.00E-03	3.60E-03	2.36E-03	3.34E-03	1.64E-03
1282	565571.9	4222368	0.023465	0.031033	1.11E-02	1.24E-02	3.40E-02	1.11E-02	3.08E-03	6.06E-03	3.64E-03	2.38E-03	3.38E-03	1.66E-03
1283	565571.8	4222358	0.023539	0.03113	1.12E-02	1.25E-02	3.41E-02	1.12E-02	3.09E-03	6.08E-03	3.65E-03	2.39E-03	3.39E-03	1.66E-03
1284	565571.8	4222348	0.023449	0.031011	1.11E-02	1.24E-02	3.40E-02	1.11E-02	3.08E-03	6.06E-03	3.64E-03	2.38E-03	3.37E-03	1.66E-03
1285	565571.8	4222338	0.023195	0.030676	1.10E-02	1.23E-02	3.36E-02	1.10E-02	3.05E-03	5.99E-03	3.60E-03	2.36E-03	3.34E-03	1.64E-03
1286	565571.7	4222328	0.022782	0.030128	1.08E-02	1.21E-02	3.30E-02	1.08E-02	2.99E-03	5.89E-03	3.53E-03	2.32E-03	3.28E-03	1.61E-03
1287	565571.7	4222318	0.022204	0.029365	1.05E-02	1.18E-02	3.22E-02	1.05E-02	2.92E-03	5.74E-03	3.44E-03	2.26E-03	3.19E-03	1.57E-03
1288	565571.6	4222308	0.021472	0.028397	1.02E-02	1.14E-02	3.11E-02	1.02E-02	2.82E-03	5.55E-03	3.33E-03	2.18E-03	3.09E-03	1.52E-03
1289	565571.6	4222299	0.020592	0.027232	9.76E-03	1.09E-02	2.99E-02	9.76E-03	2.70E-03	5.32E-03	3.19E-03	2.09E-03	2.96E-03	1.46E-03
1290	565581.7	4222368	0.021153	0.027974	1.00E-02	1.12E-02	3.07E-02	1.00E-02	2.78E-03	5.46E-03	3.28E-03	2.15E-03	3.04E-03	1.50E-03
1291	565581.7	4222358	0.021177	0.028007	1.00E-02	1.12E-02	3.07E-02	1.00E-02	2.78E-03	5.47E-03	3.28E-03	2.15E-03	3.05E-03	1.50E-03
1292	565581.6	4222348	0.021062	0.027855	9.98E-03	1.12E-02	3.05E-02	9.98E-03	2.77E-03	5.44E-03	3.27E-03	2.14E-03	3.03E-03	1.49E-03
1293	565581.6	4222338	0.02081	0.027521	9.86E-03	1.10E-02	3.02E-02	9.86E-03	2.73E-03	5.38E-03	3.23E-03	2.11E-03	2.99E-03	1.47E-03
1294	565581.6	4222328	0.020417	0.027001	9.67E-03	1.08E-02	2.96E-02	9.67E-03	2.68E-03	5.27E-03	3.17E-03	2.07E-03	2.94E-03	1.44E-03
1295	565581.5	4222318	0.019889	0.026303	9.42E-03	1.05E-02	2.88E-02	9.42E-03	2.61E-03	5.14E-03	3.08E-03	2.02E-03	2.86E-03	1.41E-03
1296	565581.5	4222308	0.019233	0.025436	9.11E-03	1.02E-02	2.79E-02	9.11E-03	2.53E-03	4.97E-03	2.98E-03	1.95E-03	2.77E-03	1.36E-03
1297	565581.4	4222298	0.018459	0.024411	8.75E-03	9.79E-03	2.68E-02	8.75E-03	2.42E-03	4.77E-03	2.86E-03	1.88E-03	2.66E-03	1.31E-03
1298	565591.6	4222368	0.019183	0.025369	9.09E-03	1.02E-02	2.78E-02	9.09E-03	2.52E-03	4.96E-03	2.97E-03	1.95E-03	2.76E-03	1.36E-03
1299	565591.5	4222358	0.019171	0.025353	9.08E-03	1.02E-02	2.78E-02	9.08E-03	2.52E-03	4.95E-03	2.97E-03	1.95E-03	2.76E-03	1.36E-03
1300	565591.5	4222348	0.019042	0.025183	9.02E-03	1.01E-02	2.76E-02	9.02E-03	2.50E-03	4.92E-03	2.95E-03	1.94E-03	2.74E-03	1.35E-03
1301	565591.4	4222338	0.018791	0.024851	8.90E-03	9.96E-03	2.72E-02	8.90E-03	2.47E-03	4.85E-03	2.91E-03	1.91E-03	2.70E-03	1.33E-03
1302	565591.4	4222328	0.018428	0.024371	8.73E-03	9.77E-03	2.67E-02	8.73E-03	2.42E-03	4.76E-03	2.86E-03	1.87E-03	2.65E-03	1.30E-03
1303	565591.4	4222318	0.017954	0.023744	8.51E-03	9.52E-03	2.60E-02	8.51E-03	2.36E-03	4.64E-03	2.78E-03	1.82E-03	2.58E-03	1.27E-03
1304	565591.3	4222308	0.017376	0.022979	8.23E-03	9.21E-03	2.52E-02	8.23E-03	2.28E-03	4.49E-03	2.69E-03	1.77E-03	2.50E-03	1.23E-03
1305	565591.3	4222298	0.016696	0.022081	7.91E-03	8.85E-03	2.42E-02	7.91E-03	2.19E-03	4.31E-03	2.59E-03	1.70E-03	2.40E-03	1.18E-03
1306	565601.2	4222328	0.016735	0.022132	7.93E-03	8.87E-03	2.43E-02	7.93E-03	2.20E-03	4.32E-03	2.59E-03	1.70E-03	2.41E-03	1.18E-03
1307	565601.2	4222318	0.016312	0.021573	7.73E-03	8.65E-03	2.36E-02	7.73E-03	2.14E-03	4.21E-03	2.53E-03	1.66E-03	2.35E-03	1.15E-03
1308	565601.2	4222308	0.015801	0.020897	7.49E-03	8.38E-03	2.29E-02	7.49E-03	2.08E-03	4.08E-03	2.45E-03	1.61E-03	2.27E-03	1.12E-03
1309	565601.1	4222298	0.015205	0.020108	7.20E-03	8.06E-03	2.20E-02	7.20E-03	2.00E-03	3.93E-03	2.36E-03	1.55E-03	2.19E-03	1.08E-03
1310	565621.1	4222368	0.014723	0.019471	6.98E-03	7.81E-03	2.13E-02	6.98E-03	1.93E-03	3.80E-03	2.28E-03	1.50E-03	2.12E-03	1.04E-03
1311	565621	4222358	0.014654	0.019379	6.94E-03	7.77E-03	2.12E-02	6.94E-03	1.92E-03	3.79E-03	2.27E-03	1.49E-03	2.11E-03	1.04E-03
1312	565621	4222338	0.014292	0.0189	6.77E-03	7.58E-03	2.07E-02	6.77E-03	1.88E-03	3.69E-03	2.22E-03	1.45E-03	2.06E-03	1.01E-03
1313	565620.9	4222328	0.014016	0.018535	6.64E-03	7.43E-03	2.03E-02	6.64E-03	1.84E-03	3.62E-03	2.17E-03	1.42E-03	2.02E-03	9.91E-04
1314	565620.9	4222318	0.013673	0.018083	6.48E-03	7.25E-03	1.98E-02	6.48E-03	1.80E-03	3.53E-03	2.12E-03	1.39E-03	1.97E-03	9.67E-04
1315	565620.8	4222308	0.013263	0.017541	6.28E-03	7.03E-03	1.92E-02	6.28E-03	1.74E-03	3.43E-03	2.06E-03	1.35E-03	1.91E-03	9.38E-04
1316	565620.8	4222298	0.0128	0.016927	6.06E-03	6.79E-03	1.86E-02	6.06E-03	1.68E-03	3.31E-03	1.98E-03	1.30E-03	1.84E-03	9.05E-04
1317	565630.9	4222367	0.013585	0.017965	6.44E-03	7.20E-03	1.97E-02	6.44E-03	1.78E-03	3.51E-03	2.11E-03	1.38E-03	1.95E-03	9.61E-04
1318	565630.9	4222358	0.013509	0.017865	6.40E-03	7.16E-03	1.96E-02	6.40E-03	1.77E-03	3.49E-03	2.09E-03	1.37E-03	1.94E-03	9.55E-04
1319	565630.8	4222338	0.013163	0.017408	6.24E-03	6.98E-03	1.91E-02	6.24E-03	1.73E-03	3.40E-03	2.04E-03	1.34E-03	1.89E-03	9.31E-04
1320	565630.8	4222328	0.0129	0.01706	6.11E-03	6.84E-03	1.87E-02	6.11E-03	1.69E-03	3.33E-03	2.00E-03	1.31E-03	1.86E-03	9.12E-04
1321	565630.7	4222318	0.012583	0.01664	5.96E-03	6.67E-03	1.82E-02	5.96E-03	1.65E-03	3.25E-03	1.95E-03	1.28E-03	1.81E-03	8.90E-04
1322	565630.7	4222308	0.012215	0.016154	5.79E-03	6.48E-03	1.77E-02	5.79E-03	1.60E-03	3.16E-03	1.89E-03	1.24E-03	1.76E-03	8.64E-04
1323	565630.6	4222298	0.011804	0.01561	5.59E-03	6.26E-03	1.71E-02	5.59E-03	1.55E-03	3.05E-03	1.83E-03	1.20E-03	1.70E-03	8.35E-04
1324	565640.8	4222377	0.012594	0.016656	5.97E-03	6.68E-03	1.83E-02	5.97E-03	1.65E-03	3.25E-03	1.95E-03	1.28E-03	1.81E-03	8.91E-04
1325	565640.8	4222367	0.012578	0.016634	5.96E-03	6.67E-03	1.82E-02	5.96E-03	1.65E-03	3.25E-03	1.95E-03	1.28E-03	1.81E-03	8.90E-04
1326	565640.6	4222338	0.012171	0.016095	5.77E-03	6.45E-03	1.76E-02	5.77E-03	1.60E-03	3.14E-03	1.89E-03	1.24E-03	1.75E-03	8.61E-04
1327	565640.6	4222328	0.011931	0.015778	5.65E-03	6.33E-03	1.73E-02	5.65E-03	1.57E-03	3.08E-03	1.85E-03	1.21E-03	1.72E-03	8.44E-04
1328	565640.5	4222318	0.011644	0.015399	5.52E-03	6.17E-03	1.69E-02	5.52E-03	1.53E-03	3.01E-03	1.81E-03	1.18E-03	1.67E-03	8.23E-04
1329	565640.5	4222308	0.011315	0.014964	5.36E-03	6.00E-03	1.64E-02	5.36E-03	1.49E-03	2.92E-03	1.75E-03	1.15E-03	1.63E-03	8.00E-04
1330	565640.5	4222298	0.010951	0.014482	5.19E-03	5.81E-03	1.59E-02	5.19E-03	1.44E-03	2.83E-03	1.70E-03	1.11E-03	1.58E-03	7.74E-04
1331	565650.6	4222377	0.011704	0.015479	5.55E-03	6.21E-03	1.70E-02	5.55E-03	1.54E-03	3.02E-03	1.81E-03	1.19E-03	1.68E-03	8.28E-04
1332	565650.6	4222367	0.011676	0.015441	5.53E-03	6.19E-03	1.69E-02	5.53E-03	1.53E-03	3.02E-03	1.81E-03	1.19E-03	1.68E-03	8.26E-04
1333	565650.4	4222328	0.011068	0.014637	5.24E-03	5.87E-03	1.60E-02	5.24E-03	1.45E-03	2.86E-03	1.72E-03	1.12E-03	1.59E-03	7.83E-04
1334	565650.4	4222318	0.010811	0.014298	5.12E-03	5.73E-03	1.57E-02	5.12E-03	1.42E-03	2.79E-03	1.68E-03	1.10E-03	1.56E-03	7.65E-04
1335	565650.3	4222308	0.01052	0.013913	4.98E-03	5.58E-03	1.53E-02	4.98E-03	1.38E-03	2.72E-03	1.63E-03	1.07E-03	1.51E-03	7.44E-04
1336	565650.3	4222298	0.010196	0.013484	4.83E-03	5.41E-03	1.48E-02	4.83E-03	1.34E-03	2.63E-03	1.58E-03	1.04E-03	1.47E-03	7.21E-04
1337	565660.4	4222367	0.010867	0.014371	5.15E-03	5.76E-03	1.58E-02	5.15E-03	1.43E-03	2.81E-03	1.68E-03	1.10E-03	1.56E-03	7.69E-04
1338	565660.3	4222338	0.010495	0.01388	4.97E-03	5.56E-03	1.52E-02	4.97E-03	1.38E-03	2.71E-03	1.63E-03	1.07E-03	1.51E-03	7.42E-04
1339	565660.3	4222328	0.010299	0.013621	4.88E-03	5.46E-03	1.49E-02	4.88E-03	1.35E-03	2.66E-03	1.60E-03	1.05E-03	1.48E-03	7.28E-04
1340	565660.2	4222318	0.010071	0.013319	4.77E-03	5.34E-03	1.46E-02	4.77E-03	1.32E-03	2.60E-03	1.56E-03	1.02E-03	1.45E-03	7.12E-04
1341	565660.2	4222308	0.009813	0.012977	4.65E-03	5.20E-03	1.42E-02	4.65E-03	1.29E-03	2.54E-03	1.52E-03	9.97E-04	1.41E-03	6.94E-04
1342	565660.1	4222298	0.009524	0.012595	4.51E-03	5.05E-03	1.38E-02	4.51E-03	1.25E-03	2.46E-03	1.48E-03	9.68E-04	1.37E-03	6.74E-04
1343	565670.3	4222377	0.010186	0.013471	4.83E-03	5.40E-03	1.48E-02	4.83E-03	1.34E-03	2.63E-03	1.58E-03	1.04E-03	1.47E-03	7.20E-04
1344	565670.3	4222367	0.010141	0.013411	4.80E-03	5.38E-03	1.47E-02	4.80E-03	1.33E-03	2.62E-03	1.57E-03	1.03E-03	1.46E-03	7.17E-04
1345	565670.2	4222357	0.010059	0.013303	4.77E-03	5.33E-03	1.46E-02	4.77E-03	1.32E-03	2.60E-03	1.56E-03	1.02E-03	1.45E-03	7.11E-04
1346	565670.2	4222348	0.009941	0.013147	4.71E-03	5.27E-03	1.44E-02	4.71E-03	1.31E-03	2.57E-03	1.54E-03	1.01E-03	1.43E-03	7.03E-04
1347	565670.1	4222338	0.009789	0.012946	4.64E-03	5.19E-03	1.42E-02	4.64E-03	1.29E-03	2.53E-03	1.52E-03	9.95E-04	1.41E-03	6.92E-04
1348	565670.1	4222328	0.009613	0.012713	4.55E-03	5.10E-03	1.39E-02	4.55E-03	1.26E-03	2.48E-03	1.49E-03	9.77E-04	1.38E-03	6.80E-04
1349	565670.1	4222318	0.00941	0.012444	4.46E-03	4.99E-03	1.36E-02	4.46E-03	1.24E-03	2.43E-03	1.46E-03	9.56E-04	1.35E-03	6.65E-04
1350	565670	4222308	0.00918	0.012141	4.35E-03	4.87E-03	1.33E-02	4.35E-03	1.21E-03	2.37E-03	1.42E-03	9.33E-04	1.32E-03	6.49E-04
1351	565670	4222298	0.008922	0.011799	4.23E-03	4.73E-03	1.29E-02	4.23E-03	1.17E-03	2.30E-03	1.38E-03	9.07E-04	1.28E-03	6.31E-04
1352	565680.2	4222377	0.009539	0.012615	4.52E-03	5.06E-03	1.38E-02	4.52E-03	1.25E-03	2.46E-03	1.48E-03	9.69E-04	1.37E-03	6.75E-04
1353	565680.1	4222367	0.009492	0.012553	4.50E-03	5.03E-03	1.38E-02	4.50E-03	1.25E-03	2.45E-03	1.47E-03	9.65E-04	1.37E-03	6.71E-04
1354	565680.1	4222357	0.009412	0.012448	4.46E-03	4.99E-03	1.36E-02	4.46E-03	1.24E-03	2.43E-03	1.46E-03	9.57E-04	1.35E-03	6.66E-04
1355	565680	4222348	0.009301	0.012301	4.41E-03	4.93E-03	1.35E-02	4.41E-03	1.22E-03	2.40E-03	1.44E-03	9.45E-04	1.34E-03	6.58E-04
1356	565680	4222338	0.009161	0.012116	4.34E-03	4.86E-03	1.33E-02	4.34E-03	1.20E-03	2.37E-03	1.42E-03	9.31E-04	1.32E-03	6.48E-04
1357	565679.9	4222328	0.009	0.011903	4.26E-03	4.77E-03	1.30E-02	4.26E-03	1.18E-03	2.33E-03	1.40E-03	9.15E-04	1.29E-03	6.37E-04
1358	565679.9	4222318	0.008815	0.011658	4.18E-03	4.67E-03	1.28E-02	4.18E-03	1.16E-03	2.28E-03	1.37E-03	8.96E-04	1.27E-03	6.23E-04
1359	565679.9	4222308	0.008608	0.011384	4.08E-03	4.56E-03	1.25E-02	4.08E-03	1.13E-03	2.22E-03	1.33E-03	8.75E-04	1.24E-03	6.09E-04
1360	565679.8	4222298	0.008376	0.011077	3.97E-03	4.44E-03	1.21E-02	3.97E-03	1.10E-03	2.16E-03	1.30E-03	8.51E-04	1.20E-03	5.92E-04
1361	565690	4222377	0.008954	0.011841	4.24E-03	4.75E-03	1.30E-02	4.24E-03	1.18E-03	2.31E-03	1.39E-03	9.10E-04	1.29E-03	6.33E-04
1362	565689.9	4222367	0.008908	0.011781	4.22E-03	4.72E-03	1.29E-02	4.22E-03	1.17E-03	2.30E-03	1.38E-03	9.05E-04	1.28E-03	6.30E-04

1363	565689.9	4222357	0.008831	0.011679	4.18E-03	4.68E-03	1.28E-02	4.18E-03	1.16E-03	2.28E-03	1.37E-03	8.97E-04	1.27E-03	6.25E-04
1364	565689.9	4222347	0.008727	0.011542	4.13E-03	4.63E-03	1.27E-02	4.13E-03	1.15E-03	2.25E-03	1.35E-03	8.87E-04	1.26E-03	6.17E-04
1365	565689.8	4222338	0.008598	0.011371	4.07E-03	4.56E-03	1.25E-02	4.07E-03	1.13E-03	2.22E-03	1.33E-03	8.74E-04	1.24E-03	6.08E-04
1366	565689.8	4222328	0.008449	0.011174	4.00E-03	4.48E-03	1.22E-02	4.00E-03	1.11E-03	2.18E-03	1.31E-03	8.59E-04	1.22E-03	5.98E-04
1367	565689.7	4222318	0.008279	0.010949	3.92E-03	4.39E-03	1.20E-02	3.92E-03	1.09E-03	2.14E-03	1.28E-03	8.41E-04	1.19E-03	5.85E-04
1368	565689.7	4222308	0.008089	0.010698	3.83E-03	4.29E-03	1.17E-02	3.83E-03	1.06E-03	2.09E-03	1.25E-03	8.22E-04	1.16E-03	5.72E-04
1369	565689.7	4222298	0.00788	0.010422	3.73E-03	4.18E-03	1.14E-02	3.73E-03	1.03E-03	2.04E-03	1.22E-03	8.01E-04	1.13E-03	5.57E-04
1370	565699.8	4222377	0.008422	0.011138	3.99E-03	4.47E-03	1.22E-02	3.99E-03	1.11E-03	2.18E-03	1.31E-03	8.56E-04	1.21E-03	5.96E-04
1371	565699.8	4222367	0.008378	0.01108	3.97E-03	4.44E-03	1.21E-02	3.97E-03	1.10E-03	2.16E-03	1.30E-03	8.51E-04	1.21E-03	5.93E-04
1372	565699.7	4222357	0.008305	0.010983	3.93E-03	4.40E-03	1.20E-02	3.93E-03	1.09E-03	2.15E-03	1.29E-03	8.44E-04	1.19E-03	5.87E-04
1373	565699.7	4222347	0.008208	0.010855	3.89E-03	4.35E-03	1.19E-02	3.89E-03	1.08E-03	2.12E-03	1.27E-03	8.34E-04	1.18E-03	5.80E-04
1374	565699.7	4222338	0.008089	0.010698	3.83E-03	4.29E-03	1.17E-02	3.83E-03	1.06E-03	2.09E-03	1.25E-03	8.22E-04	1.16E-03	5.72E-04
1375	565699.6	4222328	0.007951	0.010515	3.77E-03	4.22E-03	1.15E-02	3.77E-03	1.04E-03	2.05E-03	1.23E-03	8.08E-04	1.14E-03	5.62E-04
1376	565699.6	4222318	0.007794	0.010307	3.69E-03	4.13E-03	1.13E-02	3.69E-03	1.02E-03	2.01E-03	1.21E-03	7.92E-04	1.12E-03	5.51E-04
1377	565699.5	4222308	0.00762	0.010078	3.61E-03	4.04E-03	1.10E-02	3.61E-03	1.00E-03	1.97E-03	1.18E-03	7.74E-04	1.10E-03	5.39E-04
1378	565699.5	4222298	0.007431	0.009827	3.52E-03	3.94E-03	1.08E-02	3.52E-03	9.76E-04	1.92E-03	1.15E-03	7.55E-04	1.07E-03	5.26E-04
1379	565709.7	4222377	0.007937	0.010496	3.76E-03	4.21E-03	1.15E-02	3.76E-03	1.04E-03	2.05E-03	1.23E-03	8.07E-04	1.14E-03	5.61E-04
1380	565709.6	4222367	0.007893	0.010438	3.74E-03	4.18E-03	1.14E-02	3.74E-03	1.04E-03	2.04E-03	1.22E-03	8.02E-04	1.14E-03	5.58E-04
1381	565709.6	4222357	0.007823	0.010346	3.71E-03	4.15E-03	1.13E-02	3.71E-03	1.03E-03	2.02E-03	1.21E-03	7.95E-04	1.13E-03	5.53E-04
1382	565709.5	4222347	0.007733	0.010226	3.66E-03	4.10E-03	1.12E-02	3.66E-03	1.02E-03	2.00E-03	1.20E-03	7.86E-04	1.11E-03	5.47E-04
1383	565709.5	4222337	0.007623	0.010081	3.61E-03	4.04E-03	1.11E-02	3.61E-03	1.00E-03	1.97E-03	1.18E-03	7.75E-04	1.10E-03	5.39E-04
1384	565709.5	4222328	0.007496	0.009913	3.55E-03	3.97E-03	1.09E-02	3.55E-03	9.84E-04	1.94E-03	1.16E-03	7.62E-04	1.08E-03	5.30E-04
1385	565709.4	4222318	0.007352	0.009723	3.48E-03	3.90E-03	1.07E-02	3.48E-03	9.66E-04	1.90E-03	1.14E-03	7.47E-04	1.06E-03	5.20E-04
1386	565709.4	4222308	0.007193	0.009513	3.41E-03	3.81E-03	1.04E-02	3.41E-03	9.45E-04	1.86E-03	1.12E-03	7.31E-04	1.03E-03	5.09E-04
1387	565719.5	4222377	0.007493	0.009909	3.55E-03	3.97E-03	1.09E-02	3.55E-03	9.84E-04	1.94E-03	1.16E-03	7.61E-04	1.08E-03	5.30E-04
1388	565719.5	4222367	0.007448	0.00985	3.53E-03	3.95E-03	1.08E-02	3.53E-03	9.78E-04	1.92E-03	1.15E-03	7.57E-04	1.07E-03	5.27E-04
1389	565719.4	4222357	0.007382	0.009762	3.50E-03	3.91E-03	1.07E-02	3.50E-03	9.69E-04	1.91E-03	1.14E-03	7.50E-04	1.06E-03	5.22E-04
1390	565719.4	4222347	0.007297	0.009651	3.46E-03	3.87E-03	1.06E-02	3.46E-03	9.58E-04	1.89E-03	1.13E-03	7.42E-04	1.05E-03	5.16E-04
1391	565719.3	4222337	0.007197	0.009517	3.41E-03	3.82E-03	1.04E-02	3.41E-03	9.45E-04	1.86E-03	1.12E-03	7.31E-04	1.04E-03	5.09E-04
1392	565719.3	4222328	0.00708	0.009363	3.35E-03	3.75E-03	1.03E-02	3.35E-03	9.30E-04	1.83E-03	1.10E-03	7.19E-04	1.02E-03	5.01E-04
1393	565719.3	4222318	0.006948	0.009189	3.29E-03	3.68E-03	1.01E-02	3.29E-03	9.13E-04	1.80E-03	1.08E-03	7.06E-04	9.99E-04	4.91E-04
1394	565729.3	4222367	0.007041	0.009312	3.34E-03	3.73E-03	1.02E-02	3.34E-03	9.25E-04	1.82E-03	1.09E-03	7.16E-04	1.01E-03	4.98E-04
1395	565729.3	4222357	0.006978	0.009229	3.31E-03	3.70E-03	1.01E-02	3.31E-03	9.16E-04	1.80E-03	1.08E-03	7.09E-04	1.00E-03	4.94E-04
1396	565729.2	4222347	0.0069	0.009125	3.27E-03	3.66E-03	1.00E-02	3.27E-03	9.06E-04	1.78E-03	1.07E-03	7.01E-04	9.93E-04	4.88E-04
1397	565729.2	4222337	0.006807	0.009002	3.22E-03	3.61E-03	9.87E-03	3.22E-03	8.94E-04	1.76E-03	1.06E-03	6.92E-04	9.79E-04	4.81E-04
1398	565729.1	4222328	0.006699	0.00886	3.17E-03	3.55E-03	9.71E-03	3.17E-03	8.80E-04	1.73E-03	1.04E-03	6.81E-04	9.64E-04	4.74E-04
1399	565729	4222298	0.006306	0.00834	2.99E-03	3.34E-03	9.14E-03	2.99E-03	8.28E-04	1.63E-03	9.78E-04	6.41E-04	9.07E-04	4.46E-04
1400	565739.1	4222357	0.006609	0.00874	3.13E-03	3.50E-03	9.58E-03	3.13E-03	8.68E-04	1.71E-03	1.02E-03	6.72E-04	9.51E-04	4.67E-04
1401	565739.1	4222347	0.006536	0.008643	3.10E-03	3.47E-03	9.48E-03	3.10E-03	8.58E-04	1.69E-03	1.01E-03	6.64E-04	9.40E-04	4.62E-04
1402	565739	4222337	0.006449	0.008529	3.06E-03	3.42E-03	9.35E-03	3.06E-03	8.47E-04	1.67E-03	1.00E-03	6.55E-04	9.28E-04	4.56E-04
1403	565738.9	4222308	0.006121	0.008095	2.90E-03	3.25E-03	8.87E-03	2.90E-03	8.04E-04	1.58E-03	9.49E-04	6.22E-04	8.80E-04	4.33E-04
1404	565738.9	4222298	0.005991	0.007924	2.84E-03	3.18E-03	8.69E-03	2.84E-03	7.87E-04	1.55E-03	9.29E-04	6.09E-04	8.62E-04	4.24E-04
1405	565749	4222377	0.006368	0.008422	3.02E-03	3.38E-03	9.23E-03	3.02E-03	8.36E-04	1.65E-03	9.87E-04	6.47E-04	9.16E-04	4.50E-04
1406	565748.9	4222347	0.006201	0.008201	2.94E-03	3.29E-03	8.99E-03	2.94E-03	8.14E-04	1.60E-03	9.61E-04	6.30E-04	8.92E-04	4.39E-04
1407	565748.8	4222318	0.00593	0.007842	2.81E-03	3.14E-03	8.60E-03	2.81E-03	7.79E-04	1.53E-03	9.19E-04	6.03E-04	8.53E-04	4.19E-04
1408	565748.7	4222308	0.00582	0.007697	2.76E-03	3.09E-03	8.44E-03	2.76E-03	7.64E-04	1.50E-03	9.02E-04	5.91E-04	8.37E-04	4.12E-04
1409	565748.7	4222298	0.005701	0.00754	2.70E-03	3.02E-03	8.27E-03	2.70E-03	7.49E-04	1.47E-03	8.84E-04	5.79E-04	8.20E-04	4.03E-04
1410	565758.9	4222377	0.00605	0.008002	2.87E-03	3.21E-03	8.77E-03	2.87E-03	7.95E-04	1.56E-03	9.38E-04	6.15E-04	8.70E-04	4.28E-04
1411	565758.8	4222367	0.006009	0.007947	2.85E-03	3.19E-03	8.71E-03	2.85E-03	7.89E-04	1.55E-03	9.32E-04	6.11E-04	8.64E-04	4.25E-04
1412	565758.7	4222327	0.005736	0.007585	2.72E-03	3.04E-03	8.32E-03	2.72E-03	7.53E-04	1.48E-03	8.89E-04	5.83E-04	8.25E-04	4.06E-04
1413	565758.6	4222318	0.005643	0.007463	2.67E-03	2.99E-03	8.18E-03	2.67E-03	7.41E-04	1.46E-03	8.75E-04	5.73E-04	8.12E-04	3.99E-04
1414	565758.6	4222308	0.005542	0.007329	2.63E-03	2.94E-03	8.03E-03	2.63E-03	7.28E-04	1.43E-03	8.59E-04	5.63E-04	7.97E-04	3.92E-04
1415	565758.5	4222298	0.005434	0.007186	2.57E-03	2.88E-03	7.88E-03	2.57E-03	7.14E-04	1.40E-03	8.42E-04	5.52E-04	7.82E-04	3.84E-04
1416	565768.7	4222377	0.005757	0.007613	2.73E-03	3.05E-03	8.35E-03	2.73E-03	7.56E-04	1.49E-03	8.92E-04	5.85E-04	8.28E-04	4.07E-04
1417	565768.7	4222367	0.005718	0.007562	2.71E-03	3.03E-03	8.29E-03	2.71E-03	7.51E-04	1.48E-03	8.86E-04	5.81E-04	8.22E-04	4.04E-04
1418	565768.5	4222327	0.005464	0.007226	2.59E-03	2.90E-03	7.92E-03	2.59E-03	7.18E-04	1.41E-03	8.47E-04	5.55E-04	7.86E-04	3.86E-04
1419	565768.5	4222317	0.005379	0.007114	2.55E-03	2.85E-03	7.80E-03	2.55E-03	7.06E-04	1.39E-03	8.34E-04	5.47E-04	7.74E-04	3.80E-04
1420	565768.4	4222308	0.005287	0.006992	2.50E-03	2.80E-03	7.67E-03	2.50E-03	6.94E-04	1.37E-03	8.20E-04	5.37E-04	7.61E-04	3.74E-04
1421	565768.4	4222298	0.005187	0.00686	2.46E-03	2.75E-03	7.52E-03	2.46E-03	6.81E-04	1.34E-03	8.04E-04	5.27E-04	7.46E-04	3.67E-04
1422	565778.5	4222377	0.005485	0.007254	2.60E-03	2.91E-03	7.95E-03	2.60E-03	7.20E-04	1.42E-03	8.50E-04	5.57E-04	7.89E-04	3.88E-04
1423	565778.5	4222367	0.005448	0.007205	2.58E-03	2.89E-03	7.90E-03	2.58E-03	7.15E-04	1.41E-03	8.45E-04	5.54E-04	7.84E-04	3.85E-04
1424	565778.5	4222357	0.005401	0.007143	2.56E-03	2.86E-03	7.83E-03	2.56E-03	7.09E-04	1.40E-03	8.37E-04	5.49E-04	7.77E-04	3.82E-04
1425	565778.4	4222337	0.005282	0.006986	2.50E-03	2.80E-03	7.66E-03	2.50E-03	6.94E-04	1.36E-03	8.19E-04	5.37E-04	7.60E-04	3.74E-04
1426	565778.3	4222327	0.005213	0.006894	2.47E-03	2.76E-03	7.56E-03	2.47E-03	6.85E-04	1.35E-03	8.08E-04	5.30E-04	7.50E-04	3.69E-04
1427	565778.3	4222317	0.005136	0.006792	2.43E-03	2.72E-03	7.45E-03	2.43E-03	6.75E-04	1.33E-03	7.96E-04	5.22E-04	7.39E-04	3.63E-04
1428	565778.2	4222308	0.005052	0.006682	2.39E-03	2.68E-03	7.32E-03	2.39E-03	6.64E-04	1.31E-03	7.83E-04	5.13E-04	7.27E-04	3.57E-04
1429	565778.2	4222298	0.004961	0.00656	2.35E-03	2.63E-03	7.19E-03	2.35E-03	6.51E-04	1.28E-03	7.69E-04	5.04E-04	7.14E-04	3.51E-04
1430	565788.4	4222377	0.005233	0.006921	2.48E-03	2.77E-03	7.59E-03	2.48E-03	6.87E-04	1.35E-03	8.11E-04	5.32E-04	7.53E-04	3.70E-04
1431	565788.3	4222367	0.005198	0.006874	2.46E-03	2.76E-03	7.54E-03	2.46E-03	6.83E-04	1.34E-03	8.06E-04	5.28E-04	7.48E-04	3.68E-04
1432	565788.3	4222357	0.005154	0.006816	2.44E-03	2.73E-03	7.47E-03	2.44E-03	6.77E-04	1.33E-03	7.99E-04	5.24E-04	7.41E-04	3.64E-04
1433	565788.3	4222347	0.005102	0.006748	2.42E-03	2.71E-03	7.40E-03	2.42E-03	6.70E-04	1.32E-03	7.91E-04	5.19E-04	7.34E-04	3.61E-04
1434	565788.2	4222337	0.005043	0.006669	2.39E-03	2.67E-03	7.31E-03	2.39E-03	6.62E-04	1.30E-03	7.82E-04	5.12E-04	7.25E-04	3.57E-04
1435	565788.2	4222327	0.00498	0.006586	2.36E-03	2.64E-03	7.22E-03	2.36E-03	6.54E-04	1.29E-03	7.72E-04	5.06E-04	7.16E-04	3.52E-04
1436	565788.1	4222317	0.00491	0.006494	2.33E-03	2.60E-03	7.12E-03	2.33E-03	6.45E-04	1.27E-03	7.61E-04	4.99E-04	7.06E-04	3.47E-04
1437	565788.1	4222308	0.004834	0.006393	2.29E-03	2.56E-03	7.01E-03	2.29E-03	6.35E-04	1.25E-03	7.49E-04	4.91E-04	6.95E-04	3.42E-04
1438	565788	4222298	0.004749	0.006281	2.25E-03	2.52E-03	6.89E-03	2.25E-03	6.24E-04	1.23E-03	7.36E-04	4.83E-04	6.83E-04	3.36E-04
1439	565798.2	4222377	0.005123	0.006776	2.43E-03	2.72E-03	7.43E-03	2.43E-03	6.73E-04	1.32E-03	7.94E-04	5.21E-04	7.37E-04	3.62E-04
1440	565798.2	4222367	0.005085	0.006725	2.41E-03	2.70E-03	7.37E-03	2.41E-03	6.68E-04	1.31E-03	7.88E-04	5.17E-04	7.31E-04	3.60E-04
1441	565798.1	4222357	0.00504	0.006665	2.39E-03	2.67E-03	7.31E-03	2.39E-03	6.62E-04	1.30E-03	7.81E-04	5.12E-04	7.25E-04	3.56E-04
1442	565798.1	4222347	0.004987	0.006595	2.36E-03	2.64E-03	7.23E-03	2.36E-03	6.55E-04	1.29E-03	7.73E-04	5.07E-04	7.17E-04	3.53E-04
1443	565798	4222337	0.004823	0.006378	2.28E-03	2.56E-03	6.99E-03	2.28E-03	6.33E-04	1.25E-03	7.48E-04	4.90E-04	6.94E-04	3.41E-04
1444	565798	4222327	0.004764	0.0063	2.26E-03	2.53E-03	6.91E-03	2.26E-03	6.26E-04	1.23E-03	7.39E-04	4.84E-04	6.85E-04	3.37E-04
1445	565798	4222317	0.0047	0.006215	2.23E-03	2.49E-03	6.81E-03	2.23E-03	6.17E-04	1.21E-03	7.29E-04	4.78E-04	6.76E-04	3.32E-04
1446	565797.9	4222307	0.004629	0.006122	2.19E-03	2.45E-03	6.71E-03	2.19E-03	6.08E-04	1.20E-03	7.18E-04	4.70E-04	6.66E-04	3.27E-04
1447	565797.9	4222298	0.004551	0.006018	2.16E-03	2.41E-03	6.60E-03	2.16E-03	5.98E-04	1.18E-03	7.05E-04	4.62E-04	6.55E-04	3.22E-04
1448	565808.1	4222377	0.004902	0.006482	2.32E-03	2.60E-03	7.11E-03	2.32E-03	6.44E-04	1.27E-03	7.60E-04	4.98E-04	7.05E-04	3.47E-04
1449	565808	4222367	0.004865	0.006434	2.31E-03	2.58E-03	7.05E-03	2.31E-03	6.39E-04	1.26E-03	7.54E-04	4.94E-04	7.00E-04	3.44E-04
1450	565808	4222357	0.004823	0.006379	2.29E-03	2.56E-03	6.99E-03	2.29E-03	6.33E-04	1.25E-03	7.48E-04	4.90E-04	6.94E-04	3.41E-04
1451	565807.9	4222347	0.004774	0.006314	2.26E-03	2.53E-03	6.92E-03	2.26E-03	6.27E-04	1.23E-03	7.40E-04	4.85E-04	6.87E-04	3.38E-04
1452	565807.9	4222337	0.004719	0.006241	2.24E-03	2.50E-03	6.84E-03	2.24E-03	6.20E-04	1.22E-03	7.32E-04	4.80E-04	6.79E-04	3.34E-04
1453	565807.8	4222327	0.004564	0.006035	2.16E-03	2.42E-03	6.62E-03	2.16E-03	5.99E-04	1.18E-03	7.07E-04	4.64E-04	6.56E-04	3.23E-04

1454	565807.8	4222317	0.004503	0.005955	2.13E-03	2.39E-03	6.53E-03	2.13E-03	5.91E-04	1.16E-03	6.98E-04	4.58E-04	6.48E-04	3.18E-04
1455	565807.8	4222307	0.004436	0.005867	2.10E-03	2.35E-03	6.43E-03	2.10E-03	5.83E-04	1.15E-03	6.88E-04	4.51E-04	6.38E-04	3.14E-04
1456	565807.7	4222298	0.004364	0.005771	2.07E-03	2.31E-03	6.33E-03	2.07E-03	5.73E-04	1.13E-03	6.76E-04	4.43E-04	6.28E-04	3.09E-04
1457	565828.1	4222377	0.004494	0.005943	2.13E-03	2.38E-03	6.52E-03	2.13E-03	5.90E-04	1.16E-03	6.97E-04	4.57E-04	6.46E-04	3.18E-04
1458	565828	4222367	0.004462	0.005901	2.11E-03	2.37E-03	6.47E-03	2.11E-03	5.86E-04	1.15E-03	6.92E-04	4.53E-04	6.42E-04	3.16E-04
1459	565828	4222357	0.004426	0.005854	2.10E-03	2.35E-03	6.42E-03	2.10E-03	5.81E-04	1.14E-03	6.86E-04	4.50E-04	6.37E-04	3.13E-04
1460	565827.9	4222347	0.004385	0.005799	2.08E-03	2.32E-03	6.36E-03	2.08E-03	5.76E-04	1.13E-03	6.80E-04	4.46E-04	6.31E-04	3.10E-04
1461	565827.9	4222337	0.004337	0.005736	2.05E-03	2.30E-03	6.29E-03	2.05E-03	5.70E-04	1.12E-03	6.72E-04	4.41E-04	6.24E-04	3.07E-04
1462	565827.8	4222327	0.004283	0.005665	2.03E-03	2.27E-03	6.21E-03	2.03E-03	5.63E-04	1.11E-03	6.64E-04	4.35E-04	6.16E-04	3.03E-04
1463	565827.8	4222317	0.004224	0.005587	2.00E-03	2.24E-03	6.12E-03	2.00E-03	5.55E-04	1.09E-03	6.55E-04	4.29E-04	6.08E-04	2.99E-04
1464	565848	4222357	0.004081	0.005396	1.93E-03	2.16E-03	5.92E-03	1.93E-03	5.36E-04	1.05E-03	6.33E-04	4.15E-04	5.87E-04	2.89E-04
1465	565847.9	4222347	0.004042	0.005346	1.92E-03	2.14E-03	5.86E-03	1.92E-03	5.31E-04	1.04E-03	6.27E-04	4.11E-04	5.81E-04	2.86E-04
1466	565847.9	4222337	0.004	0.00529	1.90E-03	2.12E-03	5.80E-03	1.90E-03	5.25E-04	1.03E-03	6.20E-04	4.06E-04	5.75E-04	2.83E-04
1467	565847.8	4222307	0.003846	0.005087	1.82E-03	2.04E-03	5.58E-03	1.82E-03	5.05E-04	9.94E-04	5.96E-04	3.91E-04	5.53E-04	2.72E-04
1468	565847.7	4222297	0.003788	0.005009	1.79E-03	2.01E-03	5.49E-03	1.79E-03	4.97E-04	9.79E-04	5.87E-04	3.85E-04	5.45E-04	2.68E-04
1469	565868.1	4222376	0.003825	0.005058	1.81E-03	2.03E-03	5.55E-03	1.81E-03	5.02E-04	9.88E-04	5.93E-04	3.89E-04	5.50E-04	2.70E-04
1470	565868	4222366	0.003803	0.005029	1.80E-03	2.02E-03	5.51E-03	1.80E-03	4.99E-04	9.82E-04	5.90E-04	3.86E-04	5.47E-04	2.69E-04
1471	565867.8	4222327	0.00366	0.004841	1.73E-03	1.94E-03	5.31E-03	1.73E-03	4.81E-04	9.46E-04	5.67E-04	3.72E-04	5.27E-04	2.59E-04
1472	565867.8	4222317	0.003617	0.004784	1.71E-03	1.92E-03	5.24E-03	1.71E-03	4.75E-04	9.34E-04	5.61E-04	3.68E-04	5.20E-04	2.56E-04
1473	565867.8	4222307	0.00357	0.004722	1.69E-03	1.89E-03	5.18E-03	1.69E-03	4.69E-04	9.22E-04	5.53E-04	3.63E-04	5.14E-04	2.53E-04
1474	565867.7	4222297	0.003519	0.004654	1.67E-03	1.87E-03	5.10E-03	1.67E-03	4.62E-04	9.09E-04	5.46E-04	3.58E-04	5.06E-04	2.49E-04
1475	565888.1	4222376	0.003543	0.004686	1.68E-03	1.88E-03	5.14E-03	1.68E-03	4.65E-04	9.15E-04	5.49E-04	3.60E-04	5.10E-04	2.51E-04
1476	565888	4222366	0.003524	0.00466	1.67E-03	1.87E-03	5.11E-03	1.67E-03	4.63E-04	9.10E-04	5.46E-04	3.58E-04	5.07E-04	2.49E-04
1477	565888	4222357	0.003497	0.004625	1.66E-03	1.85E-03	5.07E-03	1.66E-03	4.59E-04	9.04E-04	5.42E-04	3.55E-04	5.03E-04	2.47E-04
1478	565887.8	4222327	0.003402	0.004498	1.61E-03	1.80E-03	4.93E-03	1.61E-03	4.47E-04	8.79E-04	5.27E-04	3.46E-04	4.89E-04	2.41E-04
1479	565887.8	4222317	0.003365	0.00445	1.59E-03	1.78E-03	4.88E-03	1.59E-03	4.42E-04	8.69E-04	5.22E-04	3.42E-04	4.84E-04	2.38E-04
1480	565887.8	4222307	0.003325	0.004398	1.58E-03	1.76E-03	4.82E-03	1.58E-03	4.37E-04	8.59E-04	5.16E-04	3.38E-04	4.78E-04	2.35E-04
1481	565887.7	4222297	0.003281	0.004339	1.55E-03	1.74E-03	4.76E-03	1.55E-03	4.31E-04	8.48E-04	5.09E-04	3.33E-04	4.72E-04	2.32E-04
1482	565907.9	4222385	0.003313	0.004381	1.57E-03	1.76E-03	4.80E-03	1.57E-03	4.35E-04	8.56E-04	5.14E-04	3.37E-04	4.77E-04	2.34E-04
1483	565908.1	4222376	0.003295	0.004357	1.56E-03	1.75E-03	4.78E-03	1.56E-03	4.33E-04	8.51E-04	5.11E-04	3.35E-04	4.74E-04	2.33E-04
1484	565908	4222366	0.003274	0.00433	1.55E-03	1.74E-03	4.75E-03	1.55E-03	4.30E-04	8.46E-04	5.08E-04	3.33E-04	4.71E-04	2.32E-04
1485	565908	4222356	0.003254	0.004304	1.54E-03	1.73E-03	4.72E-03	1.54E-03	4.27E-04	8.41E-04	5.04E-04	3.31E-04	4.68E-04	2.30E-04
1486	565907.9	4222347	0.003231	0.004273	1.53E-03	1.71E-03	4.68E-03	1.53E-03	4.24E-04	8.35E-04	5.01E-04	3.28E-04	4.65E-04	2.28E-04
1487	565907.9	4222337	0.003204	0.004238	1.52E-03	1.70E-03	4.65E-03	1.52E-03	4.21E-04	8.28E-04	4.97E-04	3.26E-04	4.61E-04	2.27E-04
1488	565907.8	4222327	0.003173	0.004196	1.50E-03	1.68E-03	4.60E-03	1.50E-03	4.17E-04	8.20E-04	4.92E-04	3.22E-04	4.56E-04	2.24E-04
1489	565907.7	4222297	0.003062	0.00405	1.45E-03	1.62E-03	4.44E-03	1.45E-03	4.02E-04	7.91E-04	4.75E-04	3.11E-04	4.40E-04	2.17E-04
1490	565927.9	4222385	0.003096	0.004094	1.47E-03	1.64E-03	4.49E-03	1.47E-03	4.07E-04	8.00E-04	4.80E-04	3.15E-04	4.45E-04	2.19E-04
1491	565928.1	4222376	0.003077	0.00407	1.46E-03	1.63E-03	4.46E-03	1.46E-03	4.04E-04	7.95E-04	4.77E-04	3.13E-04	4.43E-04	2.18E-04
1492	565928	4222366	0.003058	0.004044	1.45E-03	1.62E-03	4.43E-03	1.45E-03	4.02E-04	7.90E-04	4.74E-04	3.11E-04	4.40E-04	2.16E-04
1493	565928	4222356	0.003039	0.004018	1.44E-03	1.61E-03	4.41E-03	1.44E-03	3.99E-04	7.85E-04	4.71E-04	3.09E-04	4.37E-04	2.15E-04
1494	565927.9	4222346	0.003017	0.00399	1.43E-03	1.60E-03	4.37E-03	1.43E-03	3.96E-04	7.79E-04	4.68E-04	3.07E-04	4.34E-04	2.13E-04
1495	565927.9	4222337	0.002992	0.003957	1.42E-03	1.59E-03	4.34E-03	1.42E-03	3.93E-04	7.73E-04	4.64E-04	3.04E-04	4.30E-04	2.12E-04
1496	565927.8	4222327	0.002964	0.003919	1.40E-03	1.57E-03	4.30E-03	1.40E-03	3.89E-04	7.66E-04	4.59E-04	3.01E-04	4.26E-04	2.10E-04
1497	565927.8	4222317	0.002933	0.003878	1.39E-03	1.55E-03	4.25E-03	1.39E-03	3.85E-04	7.58E-04	4.55E-04	2.98E-04	4.22E-04	2.07E-04
1498	565927.8	4222307	0.0029	0.003835	1.37E-03	1.54E-03	4.20E-03	1.37E-03	3.81E-04	7.49E-04	4.49E-04	2.95E-04	4.17E-04	2.05E-04
1499	565947.9	4222386	0.002899	0.003834	1.37E-03	1.54E-03	4.20E-03	1.37E-03	3.81E-04	7.49E-04	4.49E-04	2.95E-04	4.17E-04	2.05E-04
1500	565948.1	4222376	0.002882	0.003811	1.37E-03	1.53E-03	4.18E-03	1.37E-03	3.78E-04	7.44E-04	4.47E-04	2.93E-04	4.15E-04	2.04E-04
1501	565948	4222366	0.002864	0.003788	1.36E-03	1.52E-03	4.15E-03	1.36E-03	3.76E-04	7.40E-04	4.44E-04	2.91E-04	4.12E-04	2.03E-04
1502	565948	4222356	0.002844	0.003762	1.35E-03	1.51E-03	4.12E-03	1.35E-03	3.74E-04	7.35E-04	4.41E-04	2.89E-04	4.09E-04	2.01E-04
1503	565947.9	4222346	0.002823	0.003733	1.34E-03	1.50E-03	4.09E-03	1.34E-03	3.71E-04	7.29E-04	4.38E-04	2.87E-04	4.06E-04	2.00E-04
1504	565947.9	4222336	0.002799	0.003701	1.33E-03	1.48E-03	4.06E-03	1.33E-03	3.68E-04	7.23E-04	4.34E-04	2.84E-04	4.03E-04	1.98E-04
1505	565947.8	4222327	0.002773	0.003667	1.31E-03	1.47E-03	4.02E-03	1.31E-03	3.64E-04	7.16E-04	4.30E-04	2.82E-04	3.99E-04	1.96E-04
1506	565947.8	4222317	0.002745	0.003631	1.30E-03	1.46E-03	3.98E-03	1.30E-03	3.61E-04	7.09E-04	4.26E-04	2.79E-04	3.95E-04	1.94E-04
1507	565947.8	4222307	0.002716	0.003592	1.29E-03	1.44E-03	3.94E-03	1.29E-03	3.57E-04	7.02E-04	4.21E-04	2.76E-04	3.91E-04	1.92E-04
1508	565947.7	4222297	0.002685	0.00355	1.27E-03	1.42E-03	3.89E-03	1.27E-03	3.53E-04	6.94E-04	4.16E-04	2.73E-04	3.86E-04	1.90E-04
1509	565967.9	4222383	0.002709	0.003582	1.28E-03	1.44E-03	3.93E-03	1.28E-03	3.56E-04	7.00E-04	4.20E-04	2.75E-04	3.90E-04	1.92E-04
1510	565968	4222366	0.002681	0.003546	1.27E-03	1.42E-03	3.89E-03	1.27E-03	3.52E-04	6.93E-04	4.16E-04	2.73E-04	3.86E-04	1.90E-04
1511	565968	4222356	0.002664	0.003523	1.26E-03	1.41E-03	3.86E-03	1.26E-03	3.50E-04	6.88E-04	4.13E-04	2.71E-04	3.83E-04	1.88E-04
1512	565967.9	4222346	0.002644	0.003497	1.25E-03	1.40E-03	3.83E-03	1.25E-03	3.47E-04	6.83E-04	4.10E-04	2.69E-04	3.80E-04	1.87E-04
1513	565967.9	4222336	0.002623	0.003468	1.24E-03	1.39E-03	3.80E-03	1.24E-03	3.44E-04	6.78E-04	4.07E-04	2.67E-04	3.77E-04	1.85E-04
1514	565967.8	4222327	0.002599	0.003438	1.23E-03	1.38E-03	3.77E-03	1.23E-03	3.41E-04	6.72E-04	4.03E-04	2.64E-04	3.74E-04	1.84E-04
1515	565967.8	4222317	0.002575	0.003405	1.22E-03	1.37E-03	3.73E-03	1.22E-03	3.38E-04	6.65E-04	3.99E-04	2.62E-04	3.70E-04	1.82E-04
1516	565967.8	4222307	0.002548	0.00337	1.21E-03	1.35E-03	3.69E-03	1.21E-03	3.35E-04	6.58E-04	3.95E-04	2.59E-04	3.67E-04	1.80E-04
1517	565967.7	4222297	0.002521	0.003333	1.19E-03	1.34E-03	3.65E-03	1.19E-03	3.31E-04	6.51E-04	3.91E-04	2.56E-04	3.63E-04	1.78E-04
1518	565987.9	4222383	0.002548	0.00337	1.21E-03	1.35E-03	3.69E-03	1.21E-03	3.35E-04	6.58E-04	3.95E-04	2.59E-04	3.67E-04	1.80E-04
1519	565988	4222366	0.002523	0.003337	1.20E-03	1.34E-03	3.66E-03	1.20E-03	3.31E-04	6.52E-04	3.91E-04	2.56E-04	3.63E-04	1.78E-04
1520	565988	4222356	0.002507	0.003315	1.19E-03	1.33E-03	3.63E-03	1.19E-03	3.29E-04	6.48E-04	3.89E-04	2.55E-04	3.61E-04	1.77E-04
1521	565987.9	4222346	0.002489	0.003292	1.18E-03	1.32E-03	3.61E-03	1.18E-03	3.27E-04	6.43E-04	3.86E-04	2.53E-04	3.58E-04	1.76E-04
1522	565987.9	4222336	0.00247	0.003266	1.17E-03	1.31E-03	3.58E-03	1.17E-03	3.24E-04	6.38E-04	3.83E-04	2.51E-04	3.55E-04	1.75E-04
1523	565987.8	4222326	0.002449	0.003239	1.16E-03	1.30E-03	3.55E-03	1.16E-03	3.22E-04	6.33E-04	3.80E-04	2.49E-04	3.52E-04	1.73E-04
1524	565987.8	4222317	0.002427	0.003209	1.15E-03	1.29E-03	3.52E-03	1.15E-03	3.19E-04	6.27E-04	3.76E-04	2.47E-04	3.49E-04	1.72E-04
1525	565987.8	4222307	0.002403	0.003178	1.14E-03	1.27E-03	3.48E-03	1.14E-03	3.16E-04	6.21E-04	3.72E-04	2.44E-04	3.46E-04	1.70E-04
1526	565987.7	4222297	0.002378	0.003145	1.13E-03	1.26E-03	3.45E-03	1.13E-03	3.12E-04	6.14E-04	3.69E-04	2.42E-04	3.42E-04	1.68E-04
1527	566007.9	4222383	0.002403	0.003178	1.14E-03	1.27E-03	3.48E-03	1.14E-03	3.16E-04	6.21E-04	3.73E-04	2.44E-04	3.46E-04	1.70E-04
1528	566008	4222366	0.00238	0.003147	1.13E-03	1.26E-03	3.45E-03	1.13E-03	3.13E-04	6.15E-04	3.69E-04	2.42E-04	3.42E-04	1.68E-04
1529	566008	4222356	0.002365	0.003128	1.12E-03	1.25E-03	3.43E-03	1.12E-03	3.11E-04	6.11E-04	3.67E-04	2.40E-04	3.40E-04	1.67E-04
1530	566007.9	4222346	0.002349	0.003106	1.11E-03	1.25E-03	3.41E-03	1.11E-03	3.08E-04	6.07E-04	3.64E-04	2.39E-04	3.38E-04	1.66E-04
1531	566007.9	4222336	0.002331	0.003083	1.10E-03	1.24E-03	3.38E-03	1.10E-03	3.06E-04	6.02E-04	3.61E-04	2.37E-04	3.35E-04	1.65E-04
1532	566007.8	4222326	0.002313	0.003058	1.10E-03	1.23E-03	3.35E-03	1.10E-03	3.04E-04	5.97E-04	3.58E-04	2.35E-04	3.33E-04	1.64E-04
1533	566007.8	4222316	0.002293	0.003032	1.09E-03	1.22E-03	3.32E-03	1.09E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.30E-04	1.62E-04
1534	566007.8	4222307	0.002271	0.003004	1.08E-03	1.20E-03	3.29E-03	1.08E-03	2.98E-04	5.87E-04	3.52E-04	2.31E-04	3.27E-04	1.61E-04
1535	566007.7	4222297	0.002249	0.002974	1.07E-03	1.19E-03	3.26E-03	1.07E-03	2.95E-04	5.81E-04	3.49E-04	2.29E-04	3.23E-04	1.59E-04
1536	566027.9	4222383	0.002263	0.002993	1.07E-03	1.20E-03	3.28E-03	1.07E-03	2.97E-04	5.85E-04	3.51E-04	2.30E-04	3.26E-04	1.60E-04
1537	566028	4222366	0.002242	0.002964	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.94E-04	5.79E-04	3.48E-04	2.28E-04	3.22E-04	1.59E-04
1538	566028	4222356	0.002228	0.002947	1.06E-03	1.18E-03	3.23E-03	1.06E-03	2.93E-04	5.76E-04	3.45E-04	2.26E-04	3.21E-04	1.58E-04
1539	566027.9	4222346	0.002214	0.002927	1.05E-03	1.17E-03	3.21E-03	1.05E-03	2.91E-04	5.72E-04	3.43E-04	2.25E-04	3.18E-04	1.57E-04
1540	566027.9	4222336	0.002198	0.002906	1.04E-03	1.17E-03	3.19E-03	1.04E-03	2.89E-04	5.68E-04	3.41E-04	2.23E-04	3.16E-04	1.55E-04
1541	566027.8	4222326	0.002181	0.002884	1.03E-03	1.16E-03	3.16E-03	1.03E-03	2.86E-04	5.63E-04	3.38E-04	2.22E-04	3.14E-04	1.54E-04
1542	566047.9	4222384	0.002139	0.002829	1.01E-03	1.13E-03	3.10E-03	1.01E-03	2.81E-04	5.53E-04	3.32E-04	2.17E-04	3.08E-04	1.51E-04
1543	566048	4222366	0.002115	0.002797	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.46E-04	3.28E-04	2.15E-04	3.04E-04	1.50E-04
1544	566047.8	4222326	0.002066	0.002733	9.79E-04	1.10E-03	3.00E-03	9.79E-04	2.71E-04	5.34E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04

1545	566047.8	4222316	0.00205	0.002711	9.71E-04	1.09E-03	2.97E-03	9.71E-04	2.69E-04	5.30E-04	3.18E-04	2.08E-04	2.95E-04	1.45E-04
1546	566047.8	4222306	0.002032	0.002688	9.63E-04	1.08E-03	2.95E-03	9.63E-04	2.67E-04	5.25E-04	3.15E-04	2.07E-04	2.92E-04	1.44E-04
1547	566047.7	4222297	0.002012	0.00266	9.53E-04	1.07E-03	2.92E-03	9.53E-04	2.64E-04	5.20E-04	3.12E-04	2.04E-04	2.89E-04	1.42E-04
1548	566068	4222366	0.001998	0.002642	9.47E-04	1.06E-03	2.90E-03	9.47E-04	2.62E-04	5.16E-04	3.10E-04	2.03E-04	2.87E-04	1.41E-04
1549	566068	4222356	0.001992	0.002634	9.44E-04	1.06E-03	2.89E-03	9.44E-04	2.62E-04	5.15E-04	3.09E-04	2.02E-04	2.87E-04	1.41E-04
1550	566067.9	4222346	0.001985	0.002625	9.40E-04	1.05E-03	2.88E-03	9.40E-04	2.61E-04	5.13E-04	3.08E-04	2.02E-04	2.85E-04	1.40E-04
1551	566067.9	4222336	0.001976	0.002613	9.36E-04	1.05E-03	2.86E-03	9.36E-04	2.59E-04	5.10E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
1552	566067.8	4222326	0.001961	0.002594	9.29E-04	1.04E-03	2.84E-03	9.29E-04	2.58E-04	5.07E-04	3.04E-04	1.99E-04	2.82E-04	1.39E-04
1553	566067.8	4222316	0.001946	0.002573	9.22E-04	1.03E-03	2.82E-03	9.22E-04	2.56E-04	5.03E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
1554	566067.8	4222306	0.001929	0.002551	9.14E-04	1.02E-03	2.80E-03	9.14E-04	2.53E-04	4.98E-04	2.99E-04	1.96E-04	2.77E-04	1.36E-04
1555	566067.7	4222296	0.001908	0.002523	9.04E-04	1.01E-03	2.77E-03	9.04E-04	2.51E-04	4.93E-04	2.96E-04	1.94E-04	2.74E-04	1.35E-04
1556	566087.9	4222384	0.001909	0.002525	9.05E-04	1.01E-03	2.77E-03	9.05E-04	2.51E-04	4.93E-04	2.96E-04	1.94E-04	2.75E-04	1.35E-04
1557	566088	4222366	0.00189	0.002499	8.95E-04	1.00E-03	2.74E-03	8.95E-04	2.48E-04	4.88E-04	2.93E-04	1.92E-04	2.72E-04	1.34E-04
1558	566088	4222356	0.001885	0.002493	8.93E-04	9.99E-04	2.73E-03	8.93E-04	2.48E-04	4.87E-04	2.92E-04	1.92E-04	2.71E-04	1.33E-04
1559	566087.9	4222346	0.001879	0.002485	8.90E-04	9.96E-04	2.72E-03	8.90E-04	2.47E-04	4.85E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
1560	566087.9	4222336	0.001871	0.002475	8.87E-04	9.92E-04	2.71E-03	8.87E-04	2.46E-04	4.83E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
1561	566087.8	4222326	0.001855	0.002453	8.79E-04	9.83E-04	2.69E-03	8.79E-04	2.44E-04	4.79E-04	2.88E-04	1.88E-04	2.67E-04	1.31E-04
1562	566087.8	4222316	0.001837	0.00243	8.70E-04	9.74E-04	2.66E-03	8.70E-04	2.41E-04	4.75E-04	2.85E-04	1.87E-04	2.64E-04	1.30E-04
1563	566087.8	4222306	0.001818	0.002405	8.61E-04	9.64E-04	2.64E-03	8.61E-04	2.39E-04	4.70E-04	2.82E-04	1.85E-04	2.62E-04	1.29E-04
1564	566087.7	4222296	0.001798	0.002378	8.52E-04	9.53E-04	2.61E-03	8.52E-04	2.36E-04	4.64E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
1565	566107.9	4222384	0.001811	0.002395	8.58E-04	9.60E-04	2.63E-03	8.58E-04	2.38E-04	4.68E-04	2.81E-04	1.84E-04	2.61E-04	1.28E-04
1566	566108	4222365	0.00179	0.002367	8.48E-04	9.49E-04	2.59E-03	8.48E-04	2.35E-04	4.62E-04	2.77E-04	1.82E-04	2.57E-04	1.27E-04
1567	566108	4222356	0.001783	0.002358	8.45E-04	9.46E-04	2.59E-03	8.45E-04	2.34E-04	4.61E-04	2.76E-04	1.81E-04	2.57E-04	1.26E-04
1568	566107.9	4222346	0.001776	0.002349	8.41E-04	9.42E-04	2.57E-03	8.41E-04	2.33E-04	4.59E-04	2.75E-04	1.80E-04	2.55E-04	1.26E-04
1569	566107.9	4222336	0.001767	0.002337	8.37E-04	9.37E-04	2.56E-03	8.37E-04	2.32E-04	4.57E-04	2.74E-04	1.80E-04	2.54E-04	1.25E-04
1570	566107.8	4222326	0.00175	0.002315	8.29E-04	9.28E-04	2.54E-03	8.29E-04	2.30E-04	4.52E-04	2.71E-04	1.78E-04	2.52E-04	1.24E-04
1571	566107.8	4222316	0.001732	0.002291	8.21E-04	9.18E-04	2.51E-03	8.21E-04	2.27E-04	4.47E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
1572	565571.6	4222289	0.019638	0.025971	9.30E-03	1.04E-02	2.85E-02	9.30E-03	2.58E-03	5.07E-03	3.04E-03	2.00E-03	2.82E-03	1.39E-03
1573	565571.6	4222280	0.018567	0.024555	8.80E-03	9.84E-03	2.69E-02	8.80E-03	2.44E-03	4.80E-03	2.88E-03	1.89E-03	2.67E-03	1.31E-03
1574	565571.5	4222270	0.017418	0.023035	8.25E-03	9.23E-03	2.53E-02	8.25E-03	2.29E-03	4.50E-03	2.70E-03	1.77E-03	2.51E-03	1.23E-03
1575	565571.5	4222261	0.016216	0.021445	7.68E-03	8.60E-03	2.35E-02	7.68E-03	2.13E-03	4.19E-03	2.51E-03	1.65E-03	2.33E-03	1.15E-03
1576	565571.5	4222252	0.014998	0.019835	7.11E-03	7.95E-03	2.17E-02	7.11E-03	1.97E-03	3.87E-03	2.33E-03	1.52E-03	2.16E-03	1.06E-03
1577	565571.5	4222242	0.013798	0.018248	6.54E-03	7.32E-03	2.00E-02	6.54E-03	1.81E-03	3.56E-03	2.14E-03	1.40E-03	1.98E-03	9.76E-04
1578	565571.4	4222233	0.012642	0.016718	5.99E-03	6.70E-03	1.83E-02	5.99E-03	1.66E-03	3.27E-03	1.96E-03	1.28E-03	1.82E-03	8.94E-04
1579	565581.4	4222289	0.017633	0.02332	8.35E-03	9.35E-03	2.56E-02	8.35E-03	2.32E-03	4.56E-03	2.73E-03	1.79E-03	2.54E-03	1.25E-03
1580	565581.4	4222280	0.016719	0.022111	7.92E-03	8.86E-03	2.42E-02	7.92E-03	2.20E-03	4.32E-03	2.59E-03	1.70E-03	2.41E-03	1.18E-03
1581	565581.4	4222270	0.015746	0.020825	7.46E-03	8.35E-03	2.28E-02	7.46E-03	2.07E-03	4.07E-03	2.44E-03	1.60E-03	2.27E-03	1.11E-03
1582	565581.3	4222261	0.014738	0.019491	6.98E-03	7.81E-03	2.14E-02	6.98E-03	1.94E-03	3.81E-03	2.28E-03	1.50E-03	2.12E-03	1.04E-03
1583	565581.3	4222252	0.013719	0.018143	6.50E-03	7.27E-03	1.99E-02	6.50E-03	1.80E-03	3.54E-03	2.13E-03	1.39E-03	1.97E-03	9.70E-04
1584	565581.3	4222242	0.012715	0.016815	6.02E-03	6.74E-03	1.84E-02	6.02E-03	1.67E-03	3.28E-03	1.97E-03	1.29E-03	1.83E-03	8.99E-04
1585	565581.3	4222233	0.01174	0.015526	5.56E-03	6.22E-03	1.70E-02	5.56E-03	1.54E-03	3.03E-03	1.82E-03	1.19E-03	1.69E-03	8.30E-04
1586	565591.3	4222289	0.015982	0.021136	7.57E-03	8.47E-03	2.32E-02	7.57E-03	2.10E-03	4.13E-03	2.48E-03	1.62E-03	2.30E-03	1.13E-03
1587	565591.2	4222280	0.015197	0.020098	7.20E-03	8.06E-03	2.20E-02	7.20E-03	2.00E-03	3.93E-03	2.36E-03	1.54E-03	2.19E-03	1.07E-03
1588	565591.2	4222270	0.014366	0.018999	6.81E-03	7.62E-03	2.08E-02	6.81E-03	1.89E-03	3.71E-03	2.23E-03	1.46E-03	2.07E-03	1.02E-03
1589	565591.2	4222261	0.013511	0.017868	6.40E-03	7.16E-03	1.96E-02	6.40E-03	1.77E-03	3.49E-03	2.09E-03	1.37E-03	1.94E-03	9.55E-04
1590	565591.2	4222252	0.012647	0.016725	5.99E-03	6.71E-03	1.83E-02	5.99E-03	1.66E-03	3.27E-03	1.96E-03	1.29E-03	1.82E-03	8.94E-04
1591	565591.1	4222242	0.01179	0.015593	5.59E-03	6.25E-03	1.71E-02	5.59E-03	1.55E-03	3.05E-03	1.83E-03	1.20E-03	1.70E-03	8.34E-04
1592	565591.1	4222233	0.010957	0.014491	5.19E-03	5.81E-03	1.59E-02	5.19E-03	1.44E-03	2.83E-03	1.70E-03	1.11E-03	1.58E-03	7.75E-04
1593	565601.1	4222289	0.014586	0.019289	6.91E-03	7.73E-03	2.11E-02	6.91E-03	1.92E-03	3.77E-03	2.26E-03	1.48E-03	2.10E-03	1.03E-03
1594	565601.1	4222280	0.013907	0.018392	6.59E-03	7.37E-03	2.02E-02	6.59E-03	1.83E-03	3.59E-03	2.16E-03	1.41E-03	2.00E-03	9.84E-04
1595	565601	4222270	0.013193	0.017447	6.25E-03	6.99E-03	1.91E-02	6.25E-03	1.73E-03	3.41E-03	2.05E-03	1.34E-03	1.90E-03	9.33E-04
1596	565601	4222261	0.012458	0.016475	5.90E-03	6.61E-03	1.81E-02	5.90E-03	1.64E-03	3.22E-03	1.93E-03	1.27E-03	1.79E-03	8.81E-04
1597	565601	4222251	0.011718	0.015496	5.55E-03	6.21E-03	1.70E-02	5.55E-03	1.54E-03	3.03E-03	1.82E-03	1.19E-03	1.69E-03	8.29E-04
1598	565601	4222242	0.010981	0.014522	5.20E-03	5.82E-03	1.59E-02	5.20E-03	1.44E-03	2.84E-03	1.70E-03	1.12E-03	1.58E-03	7.77E-04
1599	565601	4222233	0.01026	0.013569	4.86E-03	5.44E-03	1.49E-02	4.86E-03	1.35E-03	2.65E-03	1.59E-03	1.04E-03	1.48E-03	7.26E-04
1600	565620.8	4222289	0.012326	0.016301	5.84E-03	6.54E-03	1.79E-02	5.84E-03	1.62E-03	3.18E-03	1.91E-03	1.25E-03	1.77E-03	8.72E-04
1601	565620.7	4222280	0.011811	0.01562	5.60E-03	6.26E-03	1.71E-02	5.60E-03	1.55E-03	3.05E-03	1.83E-03	1.20E-03	1.70E-03	8.35E-04
1602	565630.6	4222289	0.011388	0.01506	5.40E-03	6.04E-03	1.65E-02	5.40E-03	1.50E-03	2.94E-03	1.77E-03	1.16E-03	1.64E-03	8.05E-04
1603	565630.6	4222280	0.010937	0.014464	5.18E-03	5.80E-03	1.59E-02	5.18E-03	1.44E-03	2.83E-03	1.70E-03	1.11E-03	1.57E-03	7.73E-04
1604	565630.6	4222270	0.010468	0.013843	4.96E-03	5.55E-03	1.52E-02	4.96E-03	1.37E-03	2.70E-03	1.62E-03	1.06E-03	1.51E-03	7.40E-04
1605	565630.5	4222261	0.009986	0.013206	4.73E-03	5.29E-03	1.45E-02	4.73E-03	1.31E-03	2.58E-03	1.55E-03	1.01E-03	1.44E-03	7.06E-04
1606	565630.5	4222233	0.008528	0.011278	4.04E-03	4.52E-03	1.24E-02	4.04E-03	1.12E-03	2.20E-03	1.32E-03	8.67E-04	1.23E-03	6.03E-04
1607	565640.4	4222289	0.010584	0.013997	5.01E-03	5.61E-03	1.53E-02	5.01E-03	1.39E-03	2.73E-03	1.64E-03	1.08E-03	1.52E-03	7.49E-04
1608	565640.4	4222280	0.010186	0.013471	4.83E-03	5.40E-03	1.48E-02	4.83E-03	1.34E-03	2.63E-03	1.58E-03	1.04E-03	1.47E-03	7.20E-04
1609	565640.4	4222270	0.009773	0.012925	4.63E-03	5.18E-03	1.42E-02	4.63E-03	1.28E-03	2.52E-03	1.52E-03	9.93E-04	1.41E-03	6.91E-04
1610	565640.4	4222261	0.009349	0.012364	4.43E-03	4.96E-03	1.36E-02	4.43E-03	1.23E-03	2.42E-03	1.45E-03	9.50E-04	1.34E-03	6.61E-04
1611	565640.3	4222233	0.00806	0.010659	3.82E-03	4.27E-03	1.17E-02	3.82E-03	1.06E-03	2.08E-03	1.25E-03	8.19E-04	1.16E-03	5.70E-04
1612	565650.3	4222289	0.009871	0.013054	4.68E-03	5.23E-03	1.43E-02	4.68E-03	1.30E-03	2.55E-03	1.53E-03	1.00E-03	1.42E-03	6.98E-04
1613	565650.3	4222280	0.00952	0.01259	4.51E-03	5.05E-03	1.38E-02	4.51E-03	1.25E-03	2.46E-03	1.48E-03	9.67E-04	1.37E-03	6.73E-04
1614	565650.2	4222270	0.009154	0.012106	4.34E-03	4.85E-03	1.33E-02	4.34E-03	1.20E-03	2.36E-03	1.42E-03	9.30E-04	1.32E-03	6.47E-04
1615	565650.2	4222261	0.008778	0.011608	4.16E-03	4.65E-03	1.27E-02	4.16E-03	1.15E-03	2.27E-03	1.36E-03	8.92E-04	1.26E-03	6.21E-04
1616	565650.1	4222233	0.007632	0.010093	3.62E-03	4.05E-03	1.11E-02	3.62E-03	1.00E-03	1.97E-03	1.18E-03	7.76E-04	1.10E-03	5.40E-04
1617	565660.1	4222289	0.009235	0.012213	4.38E-03	4.90E-03	1.34E-02	4.38E-03	1.21E-03	2.39E-03	1.43E-03	9.39E-04	1.33E-03	6.53E-04
1618	565660.1	4222280	0.008923	0.0118	4.23E-03	4.73E-03	1.29E-02	4.23E-03	1.17E-03	2.31E-03	1.38E-03	9.07E-04	1.28E-03	6.31E-04
1619	565660.1	4222270	0.008597	0.01137	4.07E-03	4.56E-03	1.25E-02	4.07E-03	1.13E-03	2.22E-03	1.33E-03	8.74E-04	1.24E-03	6.08E-04
1620	565660.1	4222261	0.008263	0.010927	3.91E-03	4.38E-03	1.20E-02	3.91E-03	1.09E-03	2.13E-03	1.28E-03	8.40E-04	1.19E-03	5.84E-04
1621	565660	4222242	0.007581	0.010026	3.59E-03	4.02E-03	1.10E-02	3.59E-03	9.96E-04	1.96E-03	1.18E-03	7.70E-04	1.09E-03	5.36E-04
1622	565660	4222233	0.00724	0.009574	3.43E-03	3.84E-03	1.05E-02	3.43E-03	9.51E-04	1.87E-03	1.12E-03	7.36E-04	1.04E-03	5.12E-04
1623	565670	4222289	0.008665	0.01146	4.11E-03	4.59E-03	1.26E-02	4.11E-03	1.14E-03	2.24E-03	1.34E-03	8.81E-04	1.25E-03	6.13E-04
1624	565669.9	4222280	0.008386	0.01109	3.97E-03	4.45E-03	1.22E-02	3.97E-03	1.10E-03	2.17E-03	1.30E-03	8.52E-04	1.21E-03	5.93E-04
1625	565669.9	4222270	0.008095	0.010705	3.84E-03	4.29E-03	1.17E-02	3.84E-03	1.06E-03	2.09E-03	1.25E-03	8.23E-04	1.16E-03	5.72E-04
1626	565669.8	4222242	0.007186	0.009503	3.40E-03	3.81E-03	1.04E-02	3.40E-03	9.44E-04	1.86E-03	1.11E-03	7.30E-04	1.03E-03	5.08E-04
1627	565669.8	4222232	0.006879	0.009097	3.26E-03	3.65E-03	9.97E-03	3.26E-03	9.03E-04	1.78E-03	1.07E-03	6.99E-04	9.89E-04	4.86E-04
1628	565679.8	4222289	0.008146	0.010773	3.86E-03	4.32E-03	1.18E-02	3.86E-03	1.07E-03	2.10E-03	1.26E-03	8.28E-04	1.17E-03	5.76E-04
1629	565679.8	4222280	0.007896	0.010442	3.74E-03	4.19E-03	1.14E-02	3.74E-03	1.04E-03	2.04E-03	1.22E-03	8.02E-04	1.14E-03	5.58E-04
1630	565679.8	4222270	0.007635	0.010098	3.62E-03	4.05E-03	1.11E-02	3.62E-03	1.00E-03	1.97E-03	1.18E-03	7.76E-04	1.10E-03	5.40E-04
1631	565679.7	4222251	0.007095	0.009383	3.36E-03	3.76E-03	1.03E-02	3.36E-03	9.32E-04	1.83E-03	1.10E-03	7.21E-04	1.02E-03	5.02E-04
1632	565679.7	4222242	0.00682	0.009019	3.23E-03	3.62E-03	9.89E-03	3.23E-03	8.96E-04	1.76E-03	1.06E-03	6.93E-04	9.81E-04	4.82E-04
1633	565679.7	4222232	0.006543	0.008653	3.10E-03	3.47E-03	9.49E-03	3.10E-03	8.59E-04	1.69E-03	1.01E-03	6.65E-04	9.41E-04	4.63E-04
1634	565689.6	4222289	0.007674	0.010148	3.64E-03	4.07E-03	1.11E-02	3.64E-03	1.01E-03	1.98E-03	1.19E-03	7.80E-04	1.10E-03	5.43E-04
1635	565689.6	4222280	0.007449	0.009851	3.53E-03	3.95E-03	1.08E-02	3.53E-03	9.78E-04	1.92E-03	1.15E-03	7.57E-04	1.07E-03	5.27E-04

1636	565689.6	4222261	0.006975	0.009224	3.30E-03	3.70E-03	1.01E-02	3.30E-03	9.16E-04	1.80E-03	1.08E-03	7.09E-04	1.00E-03	4.93E-04
1637	565689.5	4222251	0.006729	0.0089	3.19E-03	3.57E-03	9.76E-03	3.19E-03	8.84E-04	1.74E-03	1.04E-03	6.84E-04	9.68E-04	4.76E-04
1638	565689.5	4222242	0.006481	0.008571	3.07E-03	3.44E-03	9.40E-03	3.07E-03	8.51E-04	1.67E-03	1.00E-03	6.59E-04	9.32E-04	4.58E-04
1639	565689.5	4222232	0.006231	0.008241	2.95E-03	3.30E-03	9.03E-03	2.95E-03	8.18E-04	1.61E-03	9.66E-04	6.33E-04	8.96E-04	4.41E-04
1640	565699.4	4222270	0.006832	0.009035	3.24E-03	3.62E-03	9.90E-03	3.24E-03	8.97E-04	1.76E-03	1.06E-03	6.94E-04	9.83E-04	4.83E-04
1641	565699.4	4222261	0.006615	0.008748	3.13E-03	3.51E-03	9.59E-03	3.13E-03	8.69E-04	1.71E-03	1.03E-03	6.72E-04	9.52E-04	4.68E-04
1642	565699.4	4222251	0.006393	0.008455	3.03E-03	3.39E-03	9.27E-03	3.03E-03	8.40E-04	1.65E-03	9.91E-04	6.50E-04	9.20E-04	4.52E-04
1643	565699.4	4222242	0.006168	0.008158	2.92E-03	3.27E-03	8.94E-03	2.92E-03	8.10E-04	1.59E-03	9.56E-04	6.27E-04	8.87E-04	4.36E-04
1644	565699.3	4222232	0.005942	0.007858	2.82E-03	3.15E-03	8.61E-03	2.82E-03	7.80E-04	1.54E-03	9.21E-04	6.04E-04	8.55E-04	4.20E-04
1645	565709.3	4222279	0.006671	0.008822	3.16E-03	3.54E-03	9.67E-03	3.16E-03	8.76E-04	1.72E-03	1.03E-03	6.78E-04	9.60E-04	4.72E-04
1646	565709.3	4222270	0.006481	0.008571	3.07E-03	3.44E-03	9.40E-03	3.07E-03	8.51E-04	1.67E-03	1.00E-03	6.59E-04	9.32E-04	4.58E-04
1647	565709.2	4222261	0.006284	0.008311	2.98E-03	3.33E-03	9.11E-03	2.98E-03	8.25E-04	1.62E-03	9.74E-04	6.39E-04	9.04E-04	4.44E-04
1648	565709.2	4222251	0.006083	0.008045	2.88E-03	3.23E-03	8.82E-03	2.88E-03	7.99E-04	1.57E-03	9.43E-04	6.18E-04	8.75E-04	4.30E-04
1649	565709.2	4222242	0.00588	0.007776	2.79E-03	3.12E-03	8.52E-03	2.79E-03	7.72E-04	1.52E-03	9.11E-04	5.98E-04	8.46E-04	4.16E-04
1650	565709.2	4222232	0.005674	0.007503	2.69E-03	3.01E-03	8.23E-03	2.69E-03	7.45E-04	1.47E-03	8.80E-04	5.77E-04	8.16E-04	4.01E-04
1651	565719.2	4222289	0.006496	0.008591	3.08E-03	3.44E-03	9.42E-03	3.08E-03	8.53E-04	1.68E-03	1.01E-03	6.60E-04	9.34E-04	4.59E-04
1652	565719.1	4222279	0.00633	0.008372	3.00E-03	3.36E-03	9.18E-03	3.00E-03	8.31E-04	1.64E-03	9.81E-04	6.43E-04	9.11E-04	4.48E-04
1653	565719.1	4222270	0.006158	0.008144	2.92E-03	3.26E-03	8.93E-03	2.92E-03	8.09E-04	1.59E-03	9.55E-04	6.26E-04	8.86E-04	4.35E-04
1654	565719.1	4222261	0.00598	0.007908	2.83E-03	3.17E-03	8.67E-03	2.83E-03	7.85E-04	1.54E-03	9.27E-04	6.08E-04	8.60E-04	4.23E-04
1655	565719.1	4222251	0.005797	0.007667	2.75E-03	3.07E-03	8.40E-03	2.75E-03	7.61E-04	1.50E-03	8.99E-04	5.89E-04	8.34E-04	4.10E-04
1656	565719	4222242	0.005612	0.007421	2.66E-03	2.98E-03	8.14E-03	2.66E-03	7.37E-04	1.45E-03	8.70E-04	5.70E-04	8.07E-04	3.97E-04
1657	565719	4222232	0.005424	0.007173	2.57E-03	2.88E-03	7.86E-03	2.57E-03	7.12E-04	1.40E-03	8.41E-04	5.51E-04	7.80E-04	3.84E-04
1658	565729	4222289	0.006168	0.008157	2.92E-03	3.27E-03	8.94E-03	2.92E-03	8.10E-04	1.59E-03	9.56E-04	6.27E-04	8.87E-04	4.36E-04
1659	565729	4222279	0.006018	0.007958	2.85E-03	3.19E-03	8.72E-03	2.85E-03	7.90E-04	1.55E-03	9.33E-04	6.12E-04	8.66E-04	4.26E-04
1660	565728.9	4222270	0.00586	0.00775	2.78E-03	3.11E-03	8.50E-03	2.78E-03	7.70E-04	1.51E-03	9.08E-04	5.96E-04	8.43E-04	4.14E-04
1661	565728.9	4222261	0.005698	0.007535	2.70E-03	3.02E-03	8.26E-03	2.70E-03	7.48E-04	1.47E-03	8.83E-04	5.79E-04	8.20E-04	4.03E-04
1662	565728.9	4222251	0.005532	0.007316	2.62E-03	2.93E-03	8.02E-03	2.62E-03	7.26E-04	1.43E-03	8.58E-04	5.62E-04	7.96E-04	3.91E-04
1663	565728.9	4222242	0.005362	0.007092	2.54E-03	2.84E-03	7.77E-03	2.54E-03	7.04E-04	1.39E-03	8.31E-04	5.45E-04	7.71E-04	3.79E-04
1664	565728.9	4222232	0.005191	0.006865	2.46E-03	2.75E-03	7.53E-03	2.46E-03	6.82E-04	1.34E-03	8.05E-04	5.28E-04	7.47E-04	3.67E-04
1665	565738.8	4222289	0.005866	0.007758	2.78E-03	3.11E-03	8.50E-03	2.78E-03	7.70E-04	1.52E-03	9.09E-04	5.96E-04	8.44E-04	4.15E-04
1666	565738.8	4222279	0.005728	0.007576	2.71E-03	3.04E-03	8.31E-03	2.71E-03	7.52E-04	1.48E-03	8.88E-04	5.82E-04	8.24E-04	4.05E-04
1667	565738.8	4222270	0.005585	0.007386	2.65E-03	2.96E-03	8.10E-03	2.65E-03	7.33E-04	1.44E-03	8.66E-04	5.68E-04	8.03E-04	3.95E-04
1668	565738.8	4222261	0.005437	0.00719	2.58E-03	2.88E-03	7.88E-03	2.58E-03	7.14E-04	1.40E-03	8.43E-04	5.53E-04	7.82E-04	3.85E-04
1669	565738.7	4222251	0.005285	0.00699	2.50E-03	2.80E-03	7.66E-03	2.50E-03	6.94E-04	1.37E-03	8.19E-04	5.37E-04	7.60E-04	3.74E-04
1670	565738.7	4222242	0.00513	0.006784	2.43E-03	2.72E-03	7.44E-03	2.43E-03	6.74E-04	1.33E-03	7.95E-04	5.21E-04	7.38E-04	3.63E-04
1671	565738.7	4222232	0.004973	0.006577	2.36E-03	2.64E-03	7.21E-03	2.36E-03	6.53E-04	1.28E-03	7.71E-04	5.05E-04	7.15E-04	3.52E-04
1672	565748.7	4222289	0.005587	0.007389	2.65E-03	2.96E-03	8.10E-03	2.65E-03	7.34E-04	1.44E-03	8.66E-04	5.68E-04	8.04E-04	3.95E-04
1673	565748.6	4222279	0.005461	0.007222	2.59E-03	2.90E-03	7.92E-03	2.59E-03	7.17E-04	1.41E-03	8.47E-04	5.55E-04	7.86E-04	3.86E-04
1674	565748.6	4222270	0.00533	0.007049	2.53E-03	2.83E-03	7.73E-03	2.53E-03	7.00E-04	1.38E-03	8.26E-04	5.42E-04	7.67E-04	3.77E-04
1675	565748.6	4222261	0.005195	0.00687	2.46E-03	2.75E-03	7.53E-03	2.46E-03	6.82E-04	1.34E-03	8.05E-04	5.28E-04	7.47E-04	3.67E-04
1676	565748.6	4222251	0.005056	0.006686	2.40E-03	2.68E-03	7.33E-03	2.40E-03	6.64E-04	1.31E-03	7.84E-04	5.14E-04	7.27E-04	3.58E-04
1677	565748.6	4222242	0.004913	0.006498	2.33E-03	2.61E-03	7.12E-03	2.33E-03	6.45E-04	1.27E-03	7.62E-04	4.99E-04	7.07E-04	3.47E-04
1678	565748.5	4222232	0.004769	0.006307	2.26E-03	2.53E-03	6.91E-03	2.26E-03	6.26E-04	1.23E-03	7.39E-04	4.85E-04	6.86E-04	3.37E-04
1679	565758.5	4222279	0.005213	0.006895	2.47E-03	2.76E-03	7.56E-03	2.47E-03	6.85E-04	1.35E-03	8.08E-04	5.30E-04	7.50E-04	3.69E-04
1680	565758.5	4222270	0.005093	0.006736	2.41E-03	2.70E-03	7.38E-03	2.41E-03	6.69E-04	1.32E-03	7.90E-04	5.18E-04	7.33E-04	3.60E-04
1681	565758.4	4222261	0.004969	0.006572	2.35E-03	2.63E-03	7.20E-03	2.35E-03	6.53E-04	1.28E-03	7.70E-04	5.05E-04	7.15E-04	3.51E-04
1682	565758.4	4222251	0.004842	0.006403	2.29E-03	2.57E-03	7.02E-03	2.29E-03	6.36E-04	1.25E-03	7.51E-04	4.92E-04	6.96E-04	3.42E-04
1683	565758.4	4222242	0.004711	0.00623	2.23E-03	2.50E-03	6.83E-03	2.23E-03	6.19E-04	1.22E-03	7.30E-04	4.79E-04	6.78E-04	3.33E-04
1684	565768.3	4222289	0.005091	0.006733	2.41E-03	2.70E-03	7.38E-03	2.41E-03	6.69E-04	1.32E-03	7.89E-04	5.17E-04	7.32E-04	3.60E-04
1685	565768.3	4222279	0.004985	0.006593	2.36E-03	2.64E-03	7.23E-03	2.36E-03	6.55E-04	1.29E-03	7.73E-04	5.07E-04	7.17E-04	3.53E-04
1686	565768.3	4222270	0.004875	0.006447	2.31E-03	2.58E-03	7.07E-03	2.31E-03	6.40E-04	1.26E-03	7.56E-04	4.95E-04	7.01E-04	3.45E-04
1687	565768.3	4222261	0.004761	0.006296	2.26E-03	2.52E-03	6.90E-03	2.26E-03	6.25E-04	1.23E-03	7.38E-04	4.84E-04	6.85E-04	3.37E-04
1688	565768.3	4222251	0.004643	0.00614	2.20E-03	2.46E-03	6.73E-03	2.20E-03	6.10E-04	1.20E-03	7.20E-04	4.72E-04	6.68E-04	3.28E-04
1689	565778.2	4222289	0.004872	0.006443	2.31E-03	2.58E-03	7.06E-03	2.31E-03	6.40E-04	1.26E-03	7.55E-04	4.95E-04	7.01E-04	3.45E-04
1690	565778.2	4222279	0.004774	0.006314	2.26E-03	2.53E-03	6.92E-03	2.26E-03	6.27E-04	1.23E-03	7.40E-04	4.85E-04	6.87E-04	3.38E-04
1691	565778.1	4222270	0.004673	0.00618	2.21E-03	2.48E-03	6.77E-03	2.21E-03	6.14E-04	1.21E-03	7.24E-04	4.75E-04	6.72E-04	3.30E-04
1692	565778.1	4222260	0.004567	0.00604	2.16E-03	2.42E-03	6.62E-03	2.16E-03	6.00E-04	1.18E-03	7.08E-04	4.64E-04	6.57E-04	3.23E-04
1693	565778	4222232	0.004234	0.0056	2.01E-03	2.25E-03	6.14E-03	2.01E-03	5.56E-04	1.09E-03	6.56E-04	4.30E-04	6.09E-04	2.99E-04
1694	565788	4222289	0.004668	0.006173	2.21E-03	2.47E-03	6.77E-03	2.21E-03	6.13E-04	1.21E-03	7.24E-04	4.74E-04	6.71E-04	3.30E-04
1695	565788	4222279	0.004578	0.006054	2.17E-03	2.43E-03	6.64E-03	2.17E-03	6.01E-04	1.18E-03	7.10E-04	4.65E-04	6.58E-04	3.24E-04
1696	565787.9	4222242	0.004183	0.005532	1.98E-03	2.22E-03	6.06E-03	1.98E-03	5.49E-04	1.08E-03	6.48E-04	4.25E-04	6.02E-04	2.96E-04
1697	565787.9	4222232	0.004078	0.005393	1.93E-03	2.16E-03	5.91E-03	1.93E-03	5.36E-04	1.05E-03	6.32E-04	4.14E-04	5.87E-04	2.88E-04
1698	565797.9	4222289	0.004476	0.005919	2.12E-03	2.37E-03	6.49E-03	2.12E-03	5.88E-04	1.16E-03	6.94E-04	4.55E-04	6.44E-04	3.17E-04
1699	565797.8	4222251	0.004122	0.005452	1.95E-03	2.19E-03	5.98E-03	1.95E-03	5.41E-04	1.06E-03	6.39E-04	4.19E-04	5.93E-04	2.92E-04
1700	565797.7	4222242	0.004027	0.005326	1.91E-03	2.14E-03	5.84E-03	1.91E-03	5.29E-04	1.04E-03	6.24E-04	4.09E-04	5.79E-04	2.85E-04
1701	565797.7	4222232	0.00393	0.005197	1.86E-03	2.08E-03	5.70E-03	1.86E-03	5.16E-04	1.02E-03	6.09E-04	3.99E-04	5.65E-04	2.78E-04
1702	565807.6	4222260	0.004053	0.00536	1.92E-03	2.15E-03	5.88E-03	1.92E-03	5.32E-04	1.05E-03	6.28E-04	4.12E-04	5.83E-04	2.87E-04
1703	565807.6	4222251	0.003967	0.005246	1.88E-03	2.10E-03	5.75E-03	1.88E-03	5.21E-04	1.02E-03	6.15E-04	4.03E-04	5.71E-04	2.81E-04
1704	565807.6	4222242	0.003879	0.005129	1.84E-03	2.06E-03	5.62E-03	1.84E-03	5.09E-04	1.00E-03	6.01E-04	3.94E-04	5.58E-04	2.74E-04
1705	565807.6	4222232	0.003788	0.00501	1.79E-03	2.01E-03	5.49E-03	1.79E-03	4.97E-04	9.79E-04	5.87E-04	3.85E-04	5.45E-04	2.68E-04
1706	565827.7	4222289	0.00403	0.00533	1.91E-03	2.14E-03	5.84E-03	1.91E-03	5.29E-04	1.04E-03	6.25E-04	4.10E-04	5.80E-04	2.85E-04
1707	565827.7	4222279	0.003959	0.005236	1.88E-03	2.10E-03	5.74E-03	1.88E-03	5.20E-04	1.02E-03	6.14E-04	4.02E-04	5.69E-04	2.80E-04
1708	565827.7	4222270	0.003885	0.005138	1.84E-03	2.06E-03	5.63E-03	1.84E-03	5.10E-04	1.00E-03	6.02E-04	3.95E-04	5.59E-04	2.75E-04
1709	565827.6	4222260	0.003808	0.005036	1.80E-03	2.02E-03	5.52E-03	1.80E-03	5.00E-04	9.84E-04	5.90E-04	3.87E-04	5.48E-04	2.69E-04
1710	565827.6	4222251	0.003729	0.004932	1.77E-03	1.98E-03	5.41E-03	1.77E-03	4.90E-04	9.63E-04	5.78E-04	3.79E-04	5.36E-04	2.64E-04
1711	565827.6	4222242	0.003648	0.004824	1.73E-03	1.93E-03	5.29E-03	1.73E-03	4.79E-04	9.42E-04	5.65E-04	3.71E-04	5.25E-04	2.58E-04
1712	565827.6	4222232	0.003564	0.004714	1.69E-03	1.89E-03	5.17E-03	1.69E-03	4.68E-04	9.21E-04	5.53E-04	3.62E-04	5.13E-04	2.52E-04
1713	565847.7	4222289	0.003732	0.004936	1.77E-03	1.98E-03	5.41E-03	1.77E-03	4.90E-04	9.64E-04	5.79E-04	3.79E-04	5.37E-04	2.64E-04
1714	565847.7	4222279	0.003671	0.004854	1.74E-03	1.95E-03	5.32E-03	1.74E-03	4.82E-04	9.48E-04	5.69E-04	3.73E-04	5.28E-04	2.60E-04
1715	565847.7	4222270	0.003606	0.004769	1.71E-03	1.91E-03	5.23E-03	1.71E-03	4.74E-04	9.32E-04	5.59E-04	3.66E-04	5.19E-04	2.55E-04
1716	565847.6	4222260	0.003539	0.004681	1.68E-03	1.88E-03	5.13E-03	1.68E-03	4.65E-04	9.14E-04	5.49E-04	3.60E-04	5.09E-04	2.50E-04
1717	565847.6	4222251	0.003471	0.00459	1.64E-03	1.84E-03	5.03E-03	1.64E-03	4.56E-04	8.97E-04	5.38E-04	3.53E-04	4.99E-04	2.45E-04
1718	565847.6	4222241	0.003399	0.004496	1.61E-03	1.80E-03	4.93E-03	1.61E-03	4.46E-04	8.78E-04	5.27E-04	3.45E-04	4.89E-04	2.40E-04
1719	565847.6	4222232	0.003327	0.004399	1.58E-03	1.76E-03	4.82E-03	1.58E-03	4.37E-04	8.59E-04	5.16E-04	3.38E-04	4.79E-04	2.35E-04
1720	565867.7	4222289	0.003471	0.004591	1.64E-03	1.84E-03	5.03E-03	1.64E-03	4.56E-04	8.97E-04	5.38E-04	3.53E-04	4.99E-04	2.45E-04
1721	565867.7	4222279	0.003417	0.00452	1.62E-03	1.81E-03	4.95E-03	1.62E-03	4.49E-04	8.83E-04	5.30E-04	3.47E-04	4.92E-04	2.42E-04
1722	565867.7	4222270	0.003361	0.004445	1.59E-03	1.78E-03	4.87E-03	1.59E-03	4.41E-04	8.68E-04	5.21E-04	3.42E-04	4.83E-04	2.38E-04
1723	565867.6	4222260	0.003303	0.004368	1.56E-03	1.75E-03	4.79E-03	1.56E-03	4.34E-04	8.53E-04	5.12E-04	3.36E-04	4.75E-04	2.34E-04
1724	565867.6	4222251	0.003243	0.004288	1.54E-03	1.72E-03	4.70E-03	1.54E-03	4.26E-04	8.38E-04	5.03E-04	3.30E-04	4.66E-04	2.29E-04
1725	565887.7	4222279	0.003192	0.004221	1.51E-03	1.69E-03	4.63E-03	1.51E-03	4.19E-04	8.25E-04	4.95E-04	3.24E-04	4.59E-04	2.26E-04
1726	565887.7	4222270	0.003142	0.004155	1.49E-03	1.67E-03	4.56E-03	1.49E-03	4.13E-04	8.12E-04	4.87E-04	3.19E-04	4.52E-04	2.22E-04

1727	565887.6	4222241	0.002983	0.003945	1.41E-03	1.58E-03	4.33E-03	1.41E-03	3.92E-04	7.71E-04	4.62E-04	3.03E-04	4.29E-04	2.11E-04
1728	565887.6	4222232	0.002927	0.003871	1.39E-03	1.55E-03	4.24E-03	1.39E-03	3.84E-04	7.56E-04	4.54E-04	2.97E-04	4.21E-04	2.07E-04
1729	565907.6	4222260	0.002895	0.003828	1.37E-03	1.53E-03	4.20E-03	1.37E-03	3.80E-04	7.48E-04	4.49E-04	2.94E-04	4.16E-04	2.05E-04
1730	565907.6	4222251	0.002848	0.003766	1.35E-03	1.51E-03	4.13E-03	1.35E-03	3.74E-04	7.36E-04	4.42E-04	2.89E-04	4.10E-04	2.01E-04
1731	565907.6	4222241	0.0028	0.003702	1.33E-03	1.48E-03	4.06E-03	1.33E-03	3.68E-04	7.23E-04	4.34E-04	2.85E-04	4.03E-04	1.98E-04
1732	565907.6	4222232	0.00275	0.003637	1.30E-03	1.46E-03	3.99E-03	1.30E-03	3.61E-04	7.10E-04	4.26E-04	2.79E-04	3.96E-04	1.94E-04
1733	565927.7	4222279	0.002795	0.003696	1.32E-03	1.48E-03	4.05E-03	1.32E-03	3.67E-04	7.22E-04	4.33E-04	2.84E-04	4.02E-04	1.98E-04
1734	565927.7	4222270	0.002756	0.003645	1.31E-03	1.46E-03	4.00E-03	1.31E-03	3.62E-04	7.12E-04	4.27E-04	2.80E-04	3.96E-04	1.95E-04
1735	565927.6	4222260	0.002716	0.003592	1.29E-03	1.44E-03	3.94E-03	1.29E-03	3.57E-04	7.02E-04	4.21E-04	2.76E-04	3.91E-04	1.92E-04
1736	565927.6	4222251	0.002675	0.003537	1.27E-03	1.42E-03	3.88E-03	1.27E-03	3.51E-04	6.91E-04	4.15E-04	2.72E-04	3.85E-04	1.89E-04
1737	565927.6	4222241	0.002632	0.003481	1.25E-03	1.40E-03	3.82E-03	1.25E-03	3.46E-04	6.80E-04	4.08E-04	2.67E-04	3.79E-04	1.86E-04
1738	565927.6	4222232	0.002588	0.003422	1.23E-03	1.37E-03	3.75E-03	1.23E-03	3.40E-04	6.68E-04	4.01E-04	2.63E-04	3.72E-04	1.83E-04
1739	565947.6	4222260	0.002553	0.003376	1.21E-03	1.35E-03	3.70E-03	1.21E-03	3.35E-04	6.60E-04	3.96E-04	2.59E-04	3.67E-04	1.81E-04
1740	565947.6	4222251	0.002516	0.003327	1.19E-03	1.33E-03	3.65E-03	1.19E-03	3.30E-04	6.50E-04	3.90E-04	2.56E-04	3.62E-04	1.78E-04
1741	565947.6	4222241	0.002478	0.003277	1.17E-03	1.31E-03	3.59E-03	1.17E-03	3.25E-04	6.40E-04	3.84E-04	2.52E-04	3.56E-04	1.75E-04
1742	565947.6	4222232	0.002438	0.003225	1.16E-03	1.29E-03	3.54E-03	1.16E-03	3.20E-04	6.30E-04	3.78E-04	2.48E-04	3.51E-04	1.72E-04
1743	565967.7	4222279	0.002466	0.003261	1.17E-03	1.31E-03	3.57E-03	1.17E-03	3.24E-04	6.37E-04	3.82E-04	2.51E-04	3.55E-04	1.74E-04
1744	565987.7	4222288	0.002355	0.003114	1.12E-03	1.25E-03	3.41E-03	1.12E-03	3.09E-04	6.08E-04	3.65E-04	2.39E-04	3.39E-04	1.67E-04
1745	565987.7	4222279	0.002329	0.00308	1.10E-03	1.23E-03	3.38E-03	1.10E-03	3.06E-04	6.02E-04	3.61E-04	2.37E-04	3.35E-04	1.65E-04
1746	565987.7	4222269	0.0023	0.003041	1.09E-03	1.22E-03	3.33E-03	1.09E-03	3.02E-04	5.94E-04	3.56E-04	2.34E-04	3.31E-04	1.63E-04
1747	565987.6	4222260	0.002269	0.003001	1.07E-03	1.20E-03	3.29E-03	1.07E-03	2.98E-04	5.86E-04	3.52E-04	2.31E-04	3.26E-04	1.60E-04
1748	566007.6	4222260	0.002147	0.00284	1.02E-03	1.14E-03	3.11E-03	1.02E-03	2.82E-04	5.55E-04	3.33E-04	2.18E-04	3.09E-04	1.52E-04
1749	566007.6	4222251	0.002116	0.002799	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.47E-04	3.28E-04	2.15E-04	3.04E-04	1.50E-04
1750	566007.6	4222241	0.002087	0.00276	9.89E-04	1.11E-03	3.03E-03	9.89E-04	2.74E-04	5.39E-04	3.23E-04	2.12E-04	3.00E-04	1.48E-04
1751	566027.7	4222279	0.002083	0.002755	9.87E-04	1.10E-03	3.02E-03	9.87E-04	2.74E-04	5.38E-04	3.23E-04	2.12E-04	3.00E-04	1.47E-04
1752	566027.7	4222269	0.00206	0.002724	9.76E-04	1.09E-03	2.99E-03	9.76E-04	2.71E-04	5.32E-04	3.19E-04	2.09E-04	2.96E-04	1.46E-04
1753	566027.6	4222260	0.002036	0.002692	9.65E-04	1.08E-03	2.95E-03	9.65E-04	2.67E-04	5.26E-04	3.16E-04	2.07E-04	2.93E-04	1.44E-04
1754	566027.6	4222250	0.002011	0.00266	9.53E-04	1.07E-03	2.92E-03	9.53E-04	2.64E-04	5.20E-04	3.12E-04	2.04E-04	2.89E-04	1.42E-04
1755	566027.6	4222241	0.001984	0.002623	9.40E-04	1.05E-03	2.88E-03	9.40E-04	2.61E-04	5.12E-04	3.08E-04	2.02E-04	2.85E-04	1.40E-04
1756	566027.6	4222232	0.001954	0.002585	9.26E-04	1.04E-03	2.83E-03	9.26E-04	2.57E-04	5.05E-04	3.03E-04	1.99E-04	2.81E-04	1.38E-04
1757	566047.7	4222279	0.001971	0.002607	9.34E-04	1.05E-03	2.86E-03	9.34E-04	2.59E-04	5.09E-04	3.06E-04	2.00E-04	2.84E-04	1.39E-04
1758	566047.7	4222269	0.001949	0.002578	9.23E-04	1.03E-03	2.83E-03	9.23E-04	2.56E-04	5.04E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
1759	566047.6	4222260	0.001926	0.002547	9.12E-04	1.02E-03	2.79E-03	9.12E-04	2.53E-04	4.98E-04	2.99E-04	1.96E-04	2.77E-04	1.36E-04
1760	566047.6	4222250	0.001902	0.002515	9.01E-04	1.01E-03	2.76E-03	9.01E-04	2.50E-04	4.91E-04	2.95E-04	1.93E-04	2.74E-04	1.35E-04
1761	566047.6	4222241	0.001876	0.002481	8.89E-04	9.94E-04	2.72E-03	8.89E-04	2.46E-04	4.85E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
1762	566047.6	4222232	0.001847	0.002443	8.75E-04	9.79E-04	2.68E-03	8.75E-04	2.43E-04	4.77E-04	2.86E-04	1.88E-04	2.66E-04	1.31E-04
1763	566067.7	4222279	0.001866	0.002468	8.84E-04	9.89E-04	2.71E-03	8.84E-04	2.45E-04	4.82E-04	2.89E-04	1.90E-04	2.68E-04	1.32E-04
1764	566067.7	4222269	0.001843	0.002437	8.73E-04	9.77E-04	2.67E-03	8.73E-04	2.42E-04	4.76E-04	2.86E-04	1.87E-04	2.65E-04	1.30E-04
1765	566067.6	4222260	0.001818	0.002405	8.62E-04	9.64E-04	2.64E-03	8.62E-04	2.39E-04	4.70E-04	2.82E-04	1.85E-04	2.62E-04	1.29E-04
1766	566067.6	4222250	0.001793	0.002372	8.50E-04	9.51E-04	2.60E-03	8.50E-04	2.36E-04	4.63E-04	2.78E-04	1.82E-04	2.58E-04	1.27E-04
1767	566087.7	4222279	0.001758	0.002325	8.33E-04	9.32E-04	2.55E-03	8.33E-04	2.31E-04	4.54E-04	2.73E-04	1.79E-04	2.53E-04	1.24E-04
1768	566087.6	4222241	0.001665	0.002201	7.89E-04	8.83E-04	2.41E-03	7.89E-04	2.19E-04	4.30E-04	2.58E-04	1.69E-04	2.39E-04	1.18E-04
1769	566087.6	4222231	0.001639	0.002168	7.77E-04	8.69E-04	2.38E-03	7.77E-04	2.15E-04	4.23E-04	2.54E-04	1.67E-04	2.36E-04	1.16E-04
1770	566107.7	4222269	0.001643	0.002173	7.78E-04	8.71E-04	2.38E-03	7.78E-04	2.16E-04	4.24E-04	2.55E-04	1.67E-04	2.36E-04	1.16E-04
1771	566107.6	4222260	0.001622	0.002144	7.68E-04	8.60E-04	2.35E-03	7.68E-04	2.13E-04	4.19E-04	2.51E-04	1.65E-04	2.33E-04	1.15E-04
1772	566107.6	4222250	0.001599	0.002115	7.58E-04	8.48E-04	2.32E-03	7.58E-04	2.10E-04	4.13E-04	2.48E-04	1.63E-04	2.30E-04	1.13E-04
1773	566107.6	4222241	0.001577	0.002085	7.47E-04	8.36E-04	2.29E-03	7.47E-04	2.07E-04	4.07E-04	2.44E-04	1.60E-04	2.27E-04	1.11E-04
1774	566107.6	4222231	0.001553	0.002054	7.36E-04	8.23E-04	2.25E-03	7.36E-04	2.04E-04	4.01E-04	2.41E-04	1.58E-04	2.23E-04	1.10E-04
1775	565574.7	4222217	0.010628	0.014056	5.04E-03	5.63E-03	1.54E-02	5.04E-03	1.40E-03	2.75E-03	1.65E-03	1.08E-03	1.53E-03	7.52E-04
1776	565576.2	4222197	0.008744	0.011564	4.14E-03	4.64E-03	1.27E-02	4.14E-03	1.15E-03	2.26E-03	1.36E-03	8.89E-04	1.26E-03	6.18E-04
1777	565579.9	4222206	0.009321	0.012327	4.42E-03	4.94E-03	1.35E-02	4.42E-03	1.22E-03	2.41E-03	1.44E-03	9.47E-04	1.34E-03	6.59E-04
1778	565583.7	4222215	0.009884	0.013072	4.68E-03	5.24E-03	1.43E-02	4.68E-03	1.30E-03	2.55E-03	1.53E-03	1.00E-03	1.42E-03	6.99E-04
1779	565587.4	4222224	0.010436	0.013802	4.94E-03	5.53E-03	1.51E-02	4.94E-03	1.37E-03	2.70E-03	1.62E-03	1.06E-03	1.50E-03	7.38E-04
1780	565575.6	4222172	0.006944	0.009183	3.29E-03	3.68E-03	1.01E-02	3.29E-03	9.12E-04	1.79E-03	1.08E-03	7.06E-04	9.99E-04	4.91E-04
1781	565579.2	4222181	0.007422	0.009815	3.52E-03	3.94E-03	1.08E-02	3.52E-03	9.75E-04	1.92E-03	1.15E-03	7.54E-04	1.07E-03	5.25E-04
1782	565582.8	4222189	0.007912	0.010464	3.75E-03	4.20E-03	1.15E-02	3.75E-03	1.04E-03	2.04E-03	1.23E-03	8.04E-04	1.14E-03	5.60E-04
1783	565586.5	4222198	0.008407	0.011119	3.98E-03	4.46E-03	1.22E-02	3.98E-03	1.10E-03	2.17E-03	1.30E-03	8.54E-04	1.21E-03	5.95E-04
1784	565590.1	4222207	0.008897	0.011766	4.21E-03	4.72E-03	1.29E-02	4.21E-03	1.17E-03	2.30E-03	1.38E-03	9.04E-04	1.28E-03	6.29E-04
1785	565593.7	4222215	0.009372	0.012394	4.44E-03	4.97E-03	1.36E-02	4.44E-03	1.23E-03	2.42E-03	1.45E-03	9.52E-04	1.35E-03	6.63E-04
1786	565597.3	4222224	0.009831	0.013001	4.66E-03	5.21E-03	1.43E-02	4.66E-03	1.29E-03	2.54E-03	1.52E-03	9.99E-04	1.41E-03	6.95E-04
1787	565582.5	4222165	0.006379	0.008436	3.02E-03	3.38E-03	9.25E-03	3.02E-03	8.38E-04	1.65E-03	9.89E-04	6.48E-04	9.18E-04	4.51E-04
1788	565586	4222173	0.006792	0.008982	3.22E-03	3.60E-03	9.85E-03	3.22E-03	8.92E-04	1.75E-03	1.05E-03	6.90E-04	9.77E-04	4.80E-04
1789	565589.5	4222182	0.007213	0.009539	3.42E-03	3.82E-03	1.05E-02	3.42E-03	9.47E-04	1.86E-03	1.12E-03	7.33E-04	1.04E-03	5.10E-04
1790	565593.1	4222190	0.007638	0.010102	3.62E-03	4.05E-03	1.11E-02	3.62E-03	1.00E-03	1.97E-03	1.18E-03	7.76E-04	1.10E-03	5.40E-04
1791	565596.6	4222199	0.008063	0.010663	3.82E-03	4.28E-03	1.17E-02	3.82E-03	1.06E-03	2.08E-03	1.25E-03	8.19E-04	1.16E-03	5.70E-04
1792	565600.2	4222207	0.008481	0.011216	4.02E-03	4.50E-03	1.23E-02	4.02E-03	1.11E-03	2.19E-03	1.31E-03	8.62E-04	1.22E-03	6.00E-04
1793	565603.7	4222216	0.008885	0.01175	4.21E-03	4.71E-03	1.29E-02	4.21E-03	1.17E-03	2.30E-03	1.38E-03	9.03E-04	1.28E-03	6.28E-04
1794	565607.2	4222224	0.009269	0.012258	4.39E-03	4.91E-03	1.34E-02	4.39E-03	1.22E-03	2.39E-03	1.44E-03	9.42E-04	1.33E-03	6.56E-04
1795	565577.5	4222146	0.005496	0.007269	2.60E-03	2.91E-03	7.97E-03	2.60E-03	7.22E-04	1.42E-03	8.52E-04	5.59E-04	7.91E-04	3.89E-04
1796	565589.3	4222158	0.005891	0.007791	2.79E-03	3.12E-03	8.54E-03	2.79E-03	7.74E-04	1.52E-03	9.13E-04	5.99E-04	8.47E-04	4.17E-04
1797	565592.8	4222166	0.00625	0.008266	2.96E-03	3.31E-03	9.06E-03	2.96E-03	8.21E-04	1.61E-03	9.69E-04	6.35E-04	8.99E-04	4.42E-04
1798	565599.8	4222183	0.006986	0.009239	3.31E-03	3.70E-03	1.01E-02	3.31E-03	9.17E-04	1.80E-03	1.08E-03	7.10E-04	1.00E-03	4.94E-04
1799	565603.2	4222191	0.007357	0.00973	3.49E-03	3.90E-03	1.07E-02	3.49E-03	9.66E-04	1.90E-03	1.14E-03	7.48E-04	1.06E-03	5.20E-04
1800	565610.2	4222208	0.008083	0.01069	3.83E-03	4.29E-03	1.17E-02	3.83E-03	1.06E-03	2.09E-03	1.25E-03	8.21E-04	1.16E-03	5.72E-04
1801	565583.7	4222139	0.005112	0.006761	2.42E-03	2.71E-03	7.41E-03	2.42E-03	6.71E-04	1.32E-03	7.93E-04	5.20E-04	7.35E-04	3.62E-04
1802	565596.6	4222151	0.005498	0.007271	2.60E-03	2.92E-03	7.97E-03	2.60E-03	7.22E-04	1.42E-03	8.52E-04	5.59E-04	7.91E-04	3.89E-04
1803	565600.3	4222160	0.005843	0.007727	2.77E-03	3.10E-03	8.47E-03	2.77E-03	7.67E-04	1.51E-03	9.06E-04	5.94E-04	8.40E-04	4.13E-04
1804	565604.1	4222169	0.006197	0.008195	2.94E-03	3.29E-03	8.98E-03	2.94E-03	8.14E-04	1.60E-03	9.61E-04	6.30E-04	8.91E-04	4.38E-04
1805	565607.9	4222178	0.006555	0.008669	3.11E-03	3.48E-03	9.50E-03	3.11E-03	8.61E-04	1.69E-03	1.02E-03	6.66E-04	9.43E-04	4.64E-04
1806	565611.6	4222187	0.006914	0.009144	3.28E-03	3.67E-03	1.00E-02	3.28E-03	9.08E-04	1.79E-03	1.07E-03	7.03E-04	9.95E-04	4.89E-04
1807	565626.7	4222224	0.008241	0.010899	3.90E-03	4.37E-03	1.19E-02	3.90E-03	1.08E-03	2.13E-03	1.28E-03	8.38E-04	1.19E-03	5.83E-04
1808	565582	4222128	0.004715	0.006235	2.23E-03	2.50E-03	6.84E-03	2.23E-03	6.19E-04	1.22E-03	7.31E-04	4.79E-04	6.78E-04	3.33E-04
1809	565590.9	4222132	0.004776	0.006316	2.26E-03	2.53E-03	6.92E-03	2.26E-03	6.27E-04	1.23E-03	7.40E-04	4.85E-04	6.87E-04	3.38E-04
1810	565603.4	4222144	0.005116	0.006766	2.42E-03	2.71E-03	7.42E-03	2.42E-03	6.72E-04	1.32E-03	7.93E-04	5.20E-04	7.36E-04	3.62E-04
1811	565607.1	4222153	0.005418	0.007165	2.57E-03	2.87E-03	7.85E-03	2.57E-03	7.11E-04	1.40E-03	8.40E-04	5.51E-04	7.79E-04	3.83E-04
1812	565610.8	4222162	0.005727	0.007574	2.71E-03	3.04E-03	8.30E-03	2.71E-03	7.52E-04	1.48E-03	8.88E-04	5.82E-04	8.24E-04	4.05E-04
1813	565614.5	4222171	0.006041	0.00799	2.86E-03	3.20E-03	8.76E-03	2.86E-03	7.93E-04	1.56E-03	9.37E-04	6.14E-04	8.69E-04	4.27E-04
1814	565629.2	4222206	0.007267	0.00961	3.44E-03	3.85E-03	1.05E-02	3.44E-03	9.54E-04	1.88E-03	1.13E-03	7.38E-04	1.05E-03	5.14E-04
1815	565632.9	4222215	0.00755	0.009984	3.58E-03	4.00E-03	1.09E-02	3.58E-03	9.91E-04	1.95E-03	1.17E-03	7.67E-04	1.09E-03	5.34E-04
1816	565636.6	4222224	0.007815	0.010335	3.70E-03	4.14E-03	1.13E-02	3.70E-03	1.03E-03	2.02E-03	1.21E-03	7.94E-04	1.12E-03	5.53E-04
1817	565580.6	4222118	0.004357	0.005762	2.06E-03	2.31E-03	6.32E-03	2.06E-03	5.72E-04	1.13E-03	6.75E-04	4.43E-04	6.27E-04	3.08E-04

1818	565589.3	4222121	0.00442	0.005846	2.09E-03	2.34E-03	6.41E-03	2.09E-03	5.81E-04	1.14E-03	6.85E-04	4.49E-04	6.36E-04	3.13E-04
1819	565598	4222125	0.004474	0.005917	2.12E-03	2.37E-03	6.49E-03	2.12E-03	5.88E-04	1.16E-03	6.94E-04	4.55E-04	6.44E-04	3.16E-04
1820	565610.3	4222137	0.004775	0.006315	2.26E-03	2.53E-03	6.92E-03	2.26E-03	6.27E-04	1.23E-03	7.40E-04	4.85E-04	6.87E-04	3.38E-04
1821	565613.9	4222146	0.005042	0.006669	2.39E-03	2.67E-03	7.31E-03	2.39E-03	6.62E-04	1.30E-03	7.82E-04	5.12E-04	7.25E-04	3.57E-04
1822	565632	4222189	0.006422	0.008493	3.04E-03	3.40E-03	9.31E-03	3.04E-03	8.43E-04	1.66E-03	9.96E-04	6.53E-04	9.24E-04	4.54E-04
1823	565635.7	4222198	0.00669	0.008848	3.17E-03	3.55E-03	9.70E-03	3.17E-03	8.79E-04	1.73E-03	1.04E-03	6.80E-04	9.62E-04	4.73E-04
1824	565639.3	4222206	0.006948	0.009188	3.29E-03	3.68E-03	1.01E-02	3.29E-03	9.12E-04	1.79E-03	1.08E-03	7.06E-04	9.99E-04	4.91E-04
1825	565642.9	4222215	0.007192	0.009511	3.41E-03	3.81E-03	1.04E-02	3.41E-03	9.45E-04	1.86E-03	1.11E-03	7.31E-04	1.03E-03	5.09E-04
1826	565646.5	4222224	0.007421	0.009814	3.52E-03	3.93E-03	1.08E-02	3.52E-03	9.75E-04	1.92E-03	1.15E-03	7.54E-04	1.07E-03	5.25E-04
1827	565587.9	4222111	0.004098	0.00542	1.94E-03	2.17E-03	5.94E-03	1.94E-03	5.38E-04	1.06E-03	6.35E-04	4.16E-04	5.90E-04	2.90E-04
1828	565596.5	4222114	0.004155	0.005495	1.97E-03	2.20E-03	6.02E-03	1.97E-03	5.46E-04	1.07E-03	6.44E-04	4.22E-04	5.98E-04	2.94E-04
1829	565605	4222118	0.004202	0.005556	1.99E-03	2.23E-03	6.09E-03	1.99E-03	5.52E-04	1.09E-03	6.51E-04	4.27E-04	6.04E-04	2.97E-04
1830	565617.2	4222130	0.004469	0.005911	2.12E-03	2.37E-03	6.48E-03	2.12E-03	5.87E-04	1.15E-03	6.93E-04	4.54E-04	6.43E-04	3.16E-04
1831	565635	4222173	0.005695	0.007532	2.70E-03	3.02E-03	8.26E-03	2.70E-03	7.48E-04	1.47E-03	8.83E-04	5.79E-04	8.19E-04	4.03E-04
1832	565638.6	4222181	0.005943	0.007859	2.82E-03	3.15E-03	8.62E-03	2.82E-03	7.80E-04	1.54E-03	9.21E-04	6.04E-04	8.55E-04	4.20E-04
1833	565642.2	4222190	0.006185	0.00818	2.93E-03	3.28E-03	8.97E-03	2.93E-03	8.12E-04	1.60E-03	9.59E-04	6.29E-04	8.90E-04	4.37E-04
1834	565645.7	4222198	0.00642	0.00849	3.04E-03	3.40E-03	9.31E-03	3.04E-03	8.43E-04	1.66E-03	9.95E-04	6.52E-04	9.23E-04	4.54E-04
1835	565649.3	4222207	0.006644	0.008787	3.15E-03	3.52E-03	9.63E-03	3.15E-03	8.73E-04	1.72E-03	1.03E-03	6.75E-04	9.56E-04	4.70E-04
1836	565652.9	4222215	0.006858	0.009069	3.25E-03	3.64E-03	9.94E-03	3.25E-03	9.01E-04	1.77E-03	1.06E-03	6.97E-04	9.86E-04	4.85E-04
1837	565656.4	4222224	0.007057	0.009333	3.34E-03	3.74E-03	1.02E-02	3.34E-03	9.27E-04	1.82E-03	1.09E-03	7.17E-04	1.02E-03	4.99E-04
1838	565593.2	4222103	0.003851	0.005093	1.82E-03	2.04E-03	5.58E-03	1.82E-03	5.06E-04	9.95E-04	5.97E-04	3.91E-04	5.54E-04	2.72E-04
1839	565602.4	4222107	0.003906	0.005165	1.85E-03	2.07E-03	5.66E-03	1.85E-03	5.13E-04	1.01E-03	6.05E-04	3.97E-04	5.62E-04	2.76E-04
1840	565611.5	4222111	0.003952	0.005226	1.87E-03	2.10E-03	5.73E-03	1.87E-03	5.19E-04	1.02E-03	6.13E-04	4.02E-04	5.68E-04	2.79E-04
1841	565639.5	4222160	0.005158	0.006822	2.44E-03	2.73E-03	7.48E-03	2.44E-03	6.77E-04	1.33E-03	8.00E-04	5.24E-04	7.42E-04	3.65E-04
1842	565643.3	4222169	0.0054	0.007142	2.56E-03	2.86E-03	7.83E-03	2.56E-03	7.09E-04	1.40E-03	8.37E-04	5.49E-04	7.77E-04	3.82E-04
1843	565647.1	4222178	0.005638	0.007457	2.67E-03	2.99E-03	8.17E-03	2.67E-03	7.40E-04	1.46E-03	8.74E-04	5.73E-04	8.11E-04	3.99E-04
1844	565650.9	4222187	0.005871	0.007764	2.78E-03	3.11E-03	8.51E-03	2.78E-03	7.71E-04	1.52E-03	9.10E-04	5.97E-04	8.44E-04	4.15E-04
1845	565654.7	4222196	0.006096	0.008062	2.89E-03	3.23E-03	8.84E-03	2.89E-03	8.01E-04	1.57E-03	9.45E-04	6.20E-04	8.77E-04	4.31E-04
1846	565658.5	4222205	0.006313	0.008348	2.99E-03	3.35E-03	9.15E-03	2.99E-03	8.29E-04	1.63E-03	9.79E-04	6.42E-04	9.08E-04	4.46E-04
1847	565662.2	4222214	0.006518	0.008619	3.09E-03	3.46E-03	9.45E-03	3.09E-03	8.56E-04	1.68E-03	1.01E-03	6.62E-04	9.38E-04	4.61E-04
1848	565666	4222223	0.006707	0.008869	3.18E-03	3.56E-03	9.72E-03	3.18E-03	8.81E-04	1.73E-03	1.04E-03	6.82E-04	9.65E-04	4.74E-04
1849	565582.7	4222089	0.003523	0.00466	1.67E-03	1.87E-03	5.11E-03	1.67E-03	4.63E-04	9.10E-04	5.46E-04	3.58E-04	5.07E-04	2.49E-04
1850	565591.7	4222093	0.003585	0.00474	1.70E-03	1.90E-03	5.20E-03	1.70E-03	4.71E-04	9.26E-04	5.56E-04	3.64E-04	5.16E-04	2.54E-04
1851	565600.6	4222096	0.003639	0.004813	1.72E-03	1.93E-03	5.28E-03	1.72E-03	4.78E-04	9.40E-04	5.64E-04	3.70E-04	5.24E-04	2.57E-04
1852	565609.6	4222100	0.003687	0.004876	1.75E-03	1.95E-03	5.35E-03	1.75E-03	4.84E-04	9.53E-04	5.72E-04	3.75E-04	5.30E-04	2.61E-04
1853	565618.5	4222104	0.00373	0.004932	1.77E-03	1.98E-03	5.41E-03	1.77E-03	4.90E-04	9.63E-04	5.78E-04	3.79E-04	5.36E-04	2.64E-04
1854	565646.1	4222152	0.004811	0.006363	2.28E-03	2.55E-03	6.98E-03	2.28E-03	6.32E-04	1.24E-03	7.46E-04	4.89E-04	6.92E-04	3.40E-04
1855	565649.9	4222161	0.005028	0.006649	2.38E-03	2.67E-03	7.29E-03	2.38E-03	6.60E-04	1.30E-03	7.79E-04	5.11E-04	7.23E-04	3.56E-04
1856	565653.6	4222170	0.005243	0.006934	2.48E-03	2.78E-03	7.60E-03	2.48E-03	6.89E-04	1.35E-03	8.13E-04	5.33E-04	7.54E-04	3.71E-04
1857	565657.3	4222179	0.005454	0.007213	2.58E-03	2.89E-03	7.91E-03	2.58E-03	7.16E-04	1.41E-03	8.45E-04	5.54E-04	7.85E-04	3.86E-04
1858	565661	4222188	0.00566	0.007485	2.68E-03	3.00E-03	8.21E-03	2.68E-03	7.43E-04	1.46E-03	8.77E-04	5.75E-04	8.14E-04	4.00E-04
1859	565664.8	4222197	0.005859	0.007749	2.78E-03	3.11E-03	8.49E-03	2.78E-03	7.69E-04	1.51E-03	9.08E-04	5.95E-04	8.43E-04	4.14E-04
1860	565668.5	4222206	0.00605	0.008001	2.87E-03	3.21E-03	8.77E-03	2.87E-03	7.95E-04	1.56E-03	9.38E-04	6.15E-04	8.70E-04	4.28E-04
1861	565672.2	4222215	0.006231	0.00824	2.95E-03	3.30E-03	9.03E-03	2.95E-03	8.18E-04	1.61E-03	9.66E-04	6.33E-04	8.96E-04	4.41E-04
1862	565675.9	4222224	0.006395	0.008457	3.03E-03	3.39E-03	9.27E-03	3.03E-03	8.40E-04	1.65E-03	9.91E-04	6.50E-04	9.20E-04	4.52E-04
1863	565590.3	4222082	0.003343	0.004421	1.58E-03	1.77E-03	4.85E-03	1.58E-03	4.39E-04	8.64E-04	5.18E-04	3.40E-04	4.81E-04	2.36E-04
1864	565599.2	4222086	0.003397	0.004492	1.61E-03	1.80E-03	4.92E-03	1.61E-03	4.46E-04	8.78E-04	5.27E-04	3.45E-04	4.89E-04	2.40E-04
1865	565608	4222090	0.003446	0.004557	1.63E-03	1.83E-03	5.00E-03	1.63E-03	4.53E-04	8.90E-04	5.34E-04	3.50E-04	4.96E-04	2.44E-04
1866	565616.8	4222093	0.003489	0.004614	1.65E-03	1.85E-03	5.06E-03	1.65E-03	4.58E-04	9.01E-04	5.41E-04	3.55E-04	5.02E-04	2.47E-04
1867	565645.5	4222127	0.004113	0.00544	1.95E-03	2.18E-03	5.96E-03	1.95E-03	5.40E-04	1.06E-03	6.38E-04	4.18E-04	5.92E-04	2.91E-04
1868	565649.1	4222136	0.004306	0.005695	2.04E-03	2.28E-03	6.24E-03	2.04E-03	5.66E-04	1.11E-03	6.68E-04	4.38E-04	6.19E-04	3.05E-04
1869	565656.5	4222153	0.004697	0.006212	2.23E-03	2.49E-03	6.81E-03	2.23E-03	6.17E-04	1.21E-03	7.28E-04	4.77E-04	6.76E-04	3.32E-04
1870	565660.1	4222162	0.004892	0.00647	2.32E-03	2.59E-03	7.09E-03	2.32E-03	6.42E-04	1.26E-03	7.58E-04	4.97E-04	7.04E-04	3.46E-04
1871	565663.8	4222171	0.005084	0.006724	2.41E-03	2.70E-03	7.37E-03	2.41E-03	6.68E-04	1.31E-03	7.88E-04	5.17E-04	7.31E-04	3.60E-04
1872	565667.5	4222180	0.005272	0.006972	2.50E-03	2.80E-03	7.64E-03	2.50E-03	6.92E-04	1.36E-03	8.17E-04	5.36E-04	7.58E-04	3.73E-04
1873	565671.1	4222188	0.005455	0.007214	2.58E-03	2.89E-03	7.91E-03	2.58E-03	7.16E-04	1.41E-03	8.46E-04	5.54E-04	7.85E-04	3.86E-04
1874	565674.8	4222197	0.005633	0.007449	2.67E-03	2.99E-03	8.17E-03	2.67E-03	7.40E-04	1.46E-03	8.73E-04	5.72E-04	8.10E-04	3.98E-04
1875	565678.5	4222206	0.005801	0.007672	2.75E-03	3.08E-03	8.41E-03	2.75E-03	7.62E-04	1.50E-03	8.99E-04	5.90E-04	8.34E-04	4.10E-04
1876	565682.2	4222215	0.005959	0.00788	2.82E-03	3.16E-03	8.64E-03	2.82E-03	7.83E-04	1.54E-03	9.24E-04	6.06E-04	8.57E-04	4.21E-04
1877	565685.8	4222224	0.006102	0.008069	2.89E-03	3.24E-03	8.85E-03	2.89E-03	8.01E-04	1.58E-03	9.46E-04	6.20E-04	8.78E-04	4.31E-04
1878	565589.2	4222072	0.003124	0.004131	1.48E-03	1.66E-03	4.53E-03	1.48E-03	4.10E-04	8.07E-04	4.84E-04	3.17E-04	4.49E-04	2.21E-04
1879	565597.9	4222076	0.003176	0.0042	1.50E-03	1.68E-03	4.60E-03	1.50E-03	4.17E-04	8.20E-04	4.92E-04	3.23E-04	4.57E-04	2.25E-04
1880	565606.6	4222079	0.003224	0.004264	1.53E-03	1.71E-03	4.67E-03	1.53E-03	4.23E-04	8.33E-04	5.00E-04	3.28E-04	4.64E-04	2.28E-04
1881	565615.3	4222083	0.003269	0.004323	1.55E-03	1.73E-03	4.74E-03	1.55E-03	4.29E-04	8.44E-04	5.07E-04	3.32E-04	4.70E-04	2.31E-04
1882	565645	4222102	0.003534	0.004674	1.67E-03	1.87E-03	5.12E-03	1.67E-03	4.64E-04	9.13E-04	5.48E-04	3.59E-04	5.08E-04	2.50E-04
1883	565648.6	4222111	0.003701	0.004895	1.75E-03	1.96E-03	5.37E-03	1.75E-03	4.86E-04	9.56E-04	5.74E-04	3.76E-04	5.32E-04	2.62E-04
1884	565652.2	4222119	0.003872	0.005121	1.83E-03	2.05E-03	5.61E-03	1.83E-03	5.09E-04	1.00E-03	6.00E-04	3.94E-04	5.57E-04	2.74E-04
1885	565655.9	4222128	0.004046	0.005351	1.92E-03	2.15E-03	5.87E-03	1.92E-03	5.31E-04	1.05E-03	6.27E-04	4.11E-04	5.82E-04	2.86E-04
1886	565659.5	4222137	0.004223	0.005585	2.00E-03	2.24E-03	6.12E-03	2.00E-03	5.55E-04	1.09E-03	6.55E-04	4.29E-04	6.07E-04	2.99E-04
1887	565670.4	4222163	0.004754	0.006287	2.25E-03	2.52E-03	6.89E-03	2.25E-03	6.24E-04	1.23E-03	7.37E-04	4.83E-04	6.84E-04	3.36E-04
1888	565674	4222172	0.004927	0.006515	2.33E-03	2.61E-03	7.14E-03	2.33E-03	6.47E-04	1.27E-03	7.64E-04	5.01E-04	7.09E-04	3.48E-04
1889	565677.6	4222180	0.005096	0.006739	2.41E-03	2.70E-03	7.39E-03	2.41E-03	6.69E-04	1.32E-03	7.90E-04	5.18E-04	7.33E-04	3.60E-04
1890	565681.2	4222189	0.005259	0.006955	2.49E-03	2.79E-03	7.62E-03	2.49E-03	6.91E-04	1.36E-03	8.15E-04	5.34E-04	7.57E-04	3.72E-04
1891	565684.8	4222198	0.005417	0.007164	2.57E-03	2.87E-03	7.85E-03	2.57E-03	7.11E-04	1.40E-03	8.40E-04	5.51E-04	7.79E-04	3.83E-04
1892	565688.5	4222206	0.005565	0.007359	2.64E-03	2.95E-03	8.07E-03	2.64E-03	7.31E-04	1.44E-03	8.63E-04	5.66E-04	8.00E-04	3.94E-04
1893	565692.1	4222215	0.005703	0.007542	2.70E-03	3.02E-03	8.27E-03	2.70E-03	7.49E-04	1.47E-03	8.84E-04	5.80E-04	8.20E-04	4.03E-04
1894	565695.7	4222224	0.005828	0.007708	2.76E-03	3.09E-03	8.45E-03	2.76E-03	7.65E-04	1.51E-03	9.04E-04	5.92E-04	8.38E-04	4.12E-04
1895	565593.5	4222064	0.002956	0.003909	1.40E-03	1.57E-03	4.29E-03	1.40E-03	3.88E-04	7.64E-04	4.58E-04	3.00E-04	4.25E-04	2.09E-04
1896	565602.6	4222068	0.003007	0.003977	1.42E-03	1.59E-03	4.36E-03	1.42E-03	3.95E-04	7.77E-04	4.66E-04	3.06E-04	4.33E-04	2.13E-04
1897	565611.8	4222071	0.003055	0.00404	1.45E-03	1.62E-03	4.43E-03	1.45E-03	4.01E-04	7.89E-04	4.74E-04	3.10E-04	4.39E-04	2.16E-04
1898	565652.1	4222096	0.003356	0.004438	1.59E-03	1.78E-03	4.87E-03	1.59E-03	4.41E-04	8.67E-04	5.20E-04	3.41E-04	4.83E-04	2.37E-04
1899	565655.9	4222105	0.003517	0.004652	1.67E-03	1.86E-03	5.10E-03	1.67E-03	4.62E-04	9.09E-04	5.45E-04	3.57E-04	5.06E-04	2.49E-04
1900	565659.7	4222114	0.003683	0.004871	1.74E-03	1.95E-03	5.34E-03	1.74E-03	4.84E-04	9.51E-04	5.71E-04	3.74E-04	5.30E-04	2.60E-04
1901	565663.5	4222123	0.003852	0.005094	1.83E-03	2.04E-03	5.58E-03	1.83E-03	5.06E-04	9.95E-04	5.97E-04	3.91E-04	5.54E-04	2.72E-04
1902	565667.3	4222132	0.004023	0.005321	1.91E-03	2.13E-03	5.83E-03	1.91E-03	5.28E-04	1.04E-03	6.24E-04	4.09E-04	5.79E-04	2.85E-04
1903	565671.1	4222141	0.004195	0.005548	1.99E-03	2.22E-03	6.08E-03	1.99E-03	5.51E-04	1.08E-03	6.50E-04	4.26E-04	6.03E-04	2.97E-04
1904	565682.6	4222169	0.004706	0.006224	2.23E-03	2.50E-03	6.82E-03	2.23E-03	6.18E-04	1.22E-03	7.30E-04	4.78E-04	6.77E-04	3.33E-04
1905	565686.4	4222178	0.00487	0.00644	2.31E-03	2.58E-03	7.06E-03	2.31E-03	6.40E-04	1.26E-03	7.55E-04	4.95E-04	7.00E-04	3.44E-04
1906	565690.2	4222187	0.005026	0.006647	2.38E-03	2.66E-03	7.29E-03	2.38E-03	6.60E-04	1.30E-03	7.79E-04	5.11E-04	7.23E-04	3.55E-04
1907	565694	4222196	0.005177	0.006847	2.45E-03	2.74E-03	7.51E-03	2.45E-03	6.80E-04	1.34E-03	8.03E-04	5.26E-04	7.45E-04	3.66E-04
1908	565697.8	4222205	0.005318	0.007033	2.52E-03	2.82E-03	7.71E-03	2.52E-03	6.98E-04	1.37E-03	8.24E-04	5.40E-04	7.65E-04	3.76E-04

1909	565701.6	4222214	0.005448	0.007205	2.58E-03	2.89E-03	7.90E-03	2.58E-03	7.15E-04	1.41E-03	8.45E-04	5.54E-04	7.84E-04	3.85E-04
1910	565705.4	4222223	0.005567	0.007362	2.64E-03	2.95E-03	8.07E-03	2.64E-03	7.31E-04	1.44E-03	8.63E-04	5.66E-04	8.01E-04	3.94E-04
1911	565592.2	4222054	0.002772	0.003666	1.31E-03	1.47E-03	4.02E-03	1.31E-03	3.64E-04	7.16E-04	4.30E-04	2.82E-04	3.99E-04	1.96E-04
1912	565601.2	4222057	0.002821	0.00373	1.34E-03	1.50E-03	4.09E-03	1.34E-03	3.70E-04	7.29E-04	4.37E-04	2.87E-04	4.06E-04	1.99E-04
1913	565610.2	4222061	0.002867	0.003791	1.36E-03	1.52E-03	4.16E-03	1.36E-03	3.76E-04	7.41E-04	4.44E-04	2.91E-04	4.12E-04	2.03E-04
1914	565659	4222088	0.003183	0.004209	1.51E-03	1.69E-03	4.61E-03	1.51E-03	4.18E-04	8.22E-04	4.93E-04	3.23E-04	4.58E-04	2.25E-04
1915	565662.8	4222097	0.00333	0.004403	1.58E-03	1.77E-03	4.83E-03	1.58E-03	4.37E-04	8.60E-04	5.16E-04	3.38E-04	4.79E-04	2.35E-04
1916	565666.5	4222106	0.00348	0.004602	1.65E-03	1.85E-03	5.05E-03	1.65E-03	4.57E-04	8.99E-04	5.39E-04	3.54E-04	5.01E-04	2.46E-04
1917	565670.3	4222115	0.003634	0.004805	1.72E-03	1.93E-03	5.27E-03	1.72E-03	4.77E-04	9.39E-04	5.63E-04	3.69E-04	5.23E-04	2.57E-04
1918	565674	4222124	0.00379	0.005012	1.80E-03	2.01E-03	5.49E-03	1.80E-03	4.98E-04	9.79E-04	5.87E-04	3.85E-04	5.45E-04	2.68E-04
1919	565677.8	4222133	0.003947	0.00522	1.87E-03	2.09E-03	5.72E-03	1.87E-03	5.18E-04	1.02E-03	6.12E-04	4.01E-04	5.68E-04	2.79E-04
1920	565681.5	4222142	0.004104	0.005428	1.94E-03	2.18E-03	5.95E-03	1.94E-03	5.39E-04	1.06E-03	6.36E-04	4.17E-04	5.90E-04	2.90E-04
1921	565685.3	4222151	0.004262	0.005636	2.02E-03	2.26E-03	6.18E-03	2.02E-03	5.60E-04	1.10E-03	6.61E-04	4.33E-04	6.13E-04	3.01E-04
1922	565696.5	4222178	0.004714	0.006234	2.23E-03	2.50E-03	6.83E-03	2.23E-03	6.19E-04	1.22E-03	7.31E-04	4.79E-04	6.78E-04	3.33E-04
1923	565700.3	4222187	0.004854	0.006419	2.30E-03	2.57E-03	7.04E-03	2.30E-03	6.37E-04	1.25E-03	7.52E-04	4.93E-04	6.98E-04	3.43E-04
1924	565704	4222196	0.004987	0.006595	2.36E-03	2.64E-03	7.23E-03	2.36E-03	6.55E-04	1.29E-03	7.73E-04	5.07E-04	7.17E-04	3.53E-04
1925	565707.8	4222205	0.005111	0.006759	2.42E-03	2.71E-03	7.41E-03	2.42E-03	6.71E-04	1.32E-03	7.92E-04	5.19E-04	7.35E-04	3.61E-04
1926	565711.5	4222214	0.005225	0.00691	2.48E-03	2.77E-03	7.58E-03	2.48E-03	6.86E-04	1.35E-03	8.10E-04	5.31E-04	7.52E-04	3.70E-04
1927	565715.3	4222223	0.005329	0.007048	2.52E-03	2.83E-03	7.73E-03	2.52E-03	7.00E-04	1.38E-03	8.26E-04	5.42E-04	7.67E-04	3.77E-04
1928	565591	4222043	0.002604	0.003444	1.23E-03	1.38E-03	3.78E-03	1.23E-03	3.42E-04	6.73E-04	4.04E-04	2.65E-04	3.75E-04	1.84E-04
1929	565599.9	4222047	0.002651	0.003505	1.26E-03	1.41E-03	3.84E-03	1.26E-03	3.48E-04	6.85E-04	4.11E-04	2.69E-04	3.81E-04	1.87E-04
1930	565608.8	4222051	0.002695	0.003564	1.28E-03	1.43E-03	3.91E-03	1.28E-03	3.54E-04	6.96E-04	4.18E-04	2.74E-04	3.88E-04	1.91E-04
1931	565617.7	4222054	0.002736	0.003619	1.30E-03	1.45E-03	3.97E-03	1.30E-03	3.59E-04	7.07E-04	4.24E-04	2.78E-04	3.94E-04	1.94E-04
1932	565665.9	4222081	0.003024	0.003999	1.43E-03	1.60E-03	4.38E-03	1.43E-03	3.97E-04	7.81E-04	4.69E-04	3.07E-04	4.35E-04	2.14E-04
1933	565669.6	4222090	0.003158	0.004176	1.50E-03	1.67E-03	4.58E-03	1.50E-03	4.15E-04	8.16E-04	4.90E-04	3.21E-04	4.54E-04	2.23E-04
1934	565673.3	4222099	0.003295	0.004358	1.56E-03	1.75E-03	4.78E-03	1.56E-03	4.33E-04	8.51E-04	5.11E-04	3.35E-04	4.74E-04	2.33E-04
1935	565677	4222108	0.003435	0.004543	1.63E-03	1.82E-03	4.98E-03	1.63E-03	4.51E-04	8.88E-04	5.33E-04	3.49E-04	4.94E-04	2.43E-04
1936	565680.7	4222117	0.003578	0.004732	1.70E-03	1.90E-03	5.19E-03	1.70E-03	4.70E-04	9.24E-04	5.55E-04	3.64E-04	5.15E-04	2.53E-04
1937	565684.4	4222126	0.003721	0.004921	1.76E-03	1.97E-03	5.40E-03	1.76E-03	4.89E-04	9.61E-04	5.77E-04	3.78E-04	5.35E-04	2.63E-04
1938	565688.1	4222135	0.003866	0.005113	1.83E-03	2.05E-03	5.60E-03	1.83E-03	5.08E-04	9.99E-04	5.99E-04	3.93E-04	5.56E-04	2.73E-04
1939	565691.8	4222144	0.004011	0.005304	1.90E-03	2.13E-03	5.81E-03	1.90E-03	5.27E-04	1.04E-03	6.22E-04	4.08E-04	5.77E-04	2.84E-04
1940	565695.5	4222152	0.004154	0.005494	1.97E-03	2.20E-03	6.02E-03	1.97E-03	5.46E-04	1.07E-03	6.44E-04	4.22E-04	5.98E-04	2.94E-04
1941	565699.2	4222161	0.004295	0.00568	2.03E-03	2.28E-03	6.23E-03	2.03E-03	5.64E-04	1.11E-03	6.66E-04	4.36E-04	6.18E-04	3.04E-04
1942	565714	4222197	0.004803	0.006352	2.28E-03	2.55E-03	6.96E-03	2.28E-03	6.31E-04	1.24E-03	7.45E-04	4.88E-04	6.91E-04	3.40E-04
1943	565717.7	4222206	0.004913	0.006498	2.33E-03	2.60E-03	7.12E-03	2.33E-03	6.45E-04	1.27E-03	7.62E-04	4.99E-04	7.07E-04	3.47E-04
1944	565721.4	4222215	0.005015	0.006632	2.38E-03	2.66E-03	7.27E-03	2.38E-03	6.59E-04	1.30E-03	7.77E-04	5.10E-04	7.21E-04	3.55E-04
1945	565725.2	4222223	0.005107	0.006754	2.42E-03	2.71E-03	7.40E-03	2.42E-03	6.71E-04	1.32E-03	7.92E-04	5.19E-04	7.35E-04	3.61E-04
1946	565598.8	4222037	0.002495	0.0033	1.18E-03	1.32E-03	3.62E-03	1.18E-03	3.28E-04	6.45E-04	3.87E-04	2.54E-04	3.59E-04	1.76E-04
1947	565607.6	4222040	0.002537	0.003355	1.20E-03	1.35E-03	3.68E-03	1.20E-03	3.33E-04	6.55E-04	3.93E-04	2.58E-04	3.65E-04	1.79E-04
1948	565616.4	4222044	0.002577	0.003408	1.22E-03	1.37E-03	3.74E-03	1.22E-03	3.38E-04	6.66E-04	3.99E-04	2.62E-04	3.71E-04	1.82E-04
1949	565625.2	4222047	0.002613	0.003456	1.24E-03	1.39E-03	3.79E-03	1.24E-03	3.43E-04	6.75E-04	4.05E-04	2.66E-04	3.76E-04	1.85E-04
1950	565634	4222051	0.002648	0.003503	1.25E-03	1.40E-03	3.84E-03	1.25E-03	3.48E-04	6.84E-04	4.11E-04	2.69E-04	3.81E-04	1.87E-04
1951	565642.8	4222055	0.002681	0.003546	1.27E-03	1.42E-03	3.89E-03	1.27E-03	3.52E-04	6.93E-04	4.16E-04	2.72E-04	3.86E-04	1.90E-04
1952	565651.6	4222058	0.00271	0.003584	1.28E-03	1.44E-03	3.93E-03	1.28E-03	3.56E-04	7.00E-04	4.20E-04	2.75E-04	3.90E-04	1.92E-04
1953	565660.4	4222062	0.002736	0.003618	1.30E-03	1.45E-03	3.97E-03	1.30E-03	3.59E-04	7.07E-04	4.24E-04	2.78E-04	3.94E-04	1.93E-04
1954	565676.5	4222083	0.003	0.003968	1.42E-03	1.59E-03	4.35E-03	1.42E-03	3.94E-04	7.75E-04	4.65E-04	3.05E-04	4.32E-04	2.12E-04
1955	565680.1	4222092	0.003126	0.004134	1.48E-03	1.66E-03	4.53E-03	1.48E-03	4.11E-04	8.08E-04	4.85E-04	3.18E-04	4.50E-04	2.21E-04
1956	565683.8	4222101	0.003254	0.004304	1.54E-03	1.73E-03	4.72E-03	1.54E-03	4.27E-04	8.41E-04	5.04E-04	3.31E-04	4.68E-04	2.30E-04
1957	565687.4	4222109	0.003385	0.004476	1.60E-03	1.79E-03	4.91E-03	1.60E-03	4.45E-04	8.74E-04	5.25E-04	3.44E-04	4.87E-04	2.39E-04
1958	565691.1	4222118	0.003517	0.004651	1.67E-03	1.86E-03	5.10E-03	1.67E-03	4.62E-04	9.08E-04	5.45E-04	3.57E-04	5.06E-04	2.49E-04
1959	565694.8	4222127	0.003649	0.004826	1.73E-03	1.93E-03	5.29E-03	1.73E-03	4.79E-04	9.43E-04	5.66E-04	3.71E-04	5.25E-04	2.58E-04
1960	565698.4	4222136	0.003782	0.005002	1.79E-03	2.01E-03	5.48E-03	1.79E-03	4.97E-04	9.77E-04	5.86E-04	3.84E-04	5.44E-04	2.68E-04
1961	565702.1	4222145	0.003915	0.005178	1.86E-03	2.08E-03	5.68E-03	1.86E-03	5.14E-04	1.01E-03	6.07E-04	3.98E-04	5.63E-04	2.77E-04
1962	565705.8	4222153	0.004046	0.005351	1.92E-03	2.15E-03	5.87E-03	1.92E-03	5.31E-04	1.05E-03	6.27E-04	4.11E-04	5.82E-04	2.86E-04
1963	565709.4	4222162	0.004173	0.005519	1.98E-03	2.21E-03	6.05E-03	1.98E-03	5.48E-04	1.08E-03	6.47E-04	4.24E-04	6.00E-04	2.95E-04
1964	565713.1	4222171	0.004295	0.00568	2.03E-03	2.28E-03	6.23E-03	2.03E-03	5.64E-04	1.11E-03	6.66E-04	4.36E-04	6.18E-04	3.04E-04
1965	565731.4	4222215	0.004817	0.00637	2.28E-03	2.55E-03	6.98E-03	2.28E-03	6.33E-04	1.24E-03	7.47E-04	4.90E-04	6.93E-04	3.41E-04
1966	565735	4222224	0.004899	0.006479	2.32E-03	2.60E-03	7.10E-03	2.32E-03	6.43E-04	1.27E-03	7.59E-04	4.98E-04	7.05E-04	3.46E-04
1967	565597.8	4222026	0.002353	0.003111	1.11E-03	1.25E-03	3.41E-03	1.11E-03	3.09E-04	6.08E-04	3.65E-04	2.39E-04	3.38E-04	1.66E-04
1968	565606.5	4222030	0.002392	0.003164	1.13E-03	1.27E-03	3.47E-03	1.13E-03	3.14E-04	6.18E-04	3.71E-04	2.43E-04	3.44E-04	1.69E-04
1969	565615.2	4222033	0.002431	0.003214	1.15E-03	1.29E-03	3.52E-03	1.15E-03	3.19E-04	6.28E-04	3.77E-04	2.47E-04	3.50E-04	1.72E-04
1970	565623.9	4222037	0.002467	0.003263	1.17E-03	1.31E-03	3.58E-03	1.17E-03	3.24E-04	6.37E-04	3.82E-04	2.51E-04	3.55E-04	1.74E-04
1971	565632.6	4222041	0.0025	0.003306	1.18E-03	1.33E-03	3.62E-03	1.18E-03	3.28E-04	6.46E-04	3.88E-04	2.54E-04	3.60E-04	1.77E-04
1972	565641.3	4222044	0.002532	0.003349	1.20E-03	1.34E-03	3.67E-03	1.20E-03	3.33E-04	6.54E-04	3.93E-04	2.57E-04	3.64E-04	1.79E-04
1973	565650	4222048	0.002562	0.003388	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.62E-04	3.97E-04	2.60E-04	3.68E-04	1.81E-04
1974	565658.7	4222051	0.002588	0.003423	1.23E-03	1.37E-03	3.75E-03	1.23E-03	3.40E-04	6.69E-04	4.01E-04	2.63E-04	3.72E-04	1.83E-04
1975	565667.4	4222055	0.002612	0.003454	1.24E-03	1.38E-03	3.79E-03	1.24E-03	3.43E-04	6.75E-04	4.05E-04	2.65E-04	3.76E-04	1.85E-04
1976	565687	4222085	0.002971	0.003929	1.41E-03	1.57E-03	4.31E-03	1.41E-03	3.90E-04	7.67E-04	4.60E-04	3.02E-04	4.27E-04	2.10E-04
1977	565690.6	4222093	0.003089	0.004085	1.46E-03	1.64E-03	4.48E-03	1.46E-03	4.06E-04	7.98E-04	4.79E-04	3.14E-04	4.44E-04	2.18E-04
1978	565694.2	4222102	0.003209	0.004243	1.52E-03	1.70E-03	4.65E-03	1.52E-03	4.21E-04	8.29E-04	4.97E-04	3.26E-04	4.62E-04	2.27E-04
1979	565697.8	4222111	0.00333	0.004404	1.58E-03	1.77E-03	4.83E-03	1.58E-03	4.37E-04	8.60E-04	5.16E-04	3.38E-04	4.79E-04	2.35E-04
1980	565701.4	4222119	0.003452	0.004565	1.64E-03	1.83E-03	5.00E-03	1.64E-03	4.53E-04	8.92E-04	5.35E-04	3.51E-04	4.97E-04	2.44E-04
1981	565705.1	4222128	0.003574	0.004726	1.69E-03	1.89E-03	5.18E-03	1.69E-03	4.69E-04	9.23E-04	5.54E-04	3.63E-04	5.14E-04	2.53E-04
1982	565708.7	4222137	0.003697	0.004889	1.75E-03	1.96E-03	5.36E-03	1.75E-03	4.85E-04	9.55E-04	5.73E-04	3.76E-04	5.32E-04	2.61E-04
1983	565712.3	4222145	0.003818	0.00505	1.81E-03	2.02E-03	5.54E-03	1.81E-03	5.01E-04	9.86E-04	5.92E-04	3.88E-04	5.49E-04	2.70E-04
1984	565715.9	4222154	0.003937	0.005207	1.87E-03	2.09E-03	5.71E-03	1.87E-03	5.17E-04	1.02E-03	6.10E-04	4.00E-04	5.66E-04	2.78E-04
1985	565719.6	4222163	0.004052	0.005359	1.92E-03	2.15E-03	5.87E-03	1.92E-03	5.32E-04	1.05E-03	6.28E-04	4.12E-04	5.83E-04	2.87E-04
1986	565723.2	4222171	0.004162	0.005504	1.97E-03	2.21E-03	6.03E-03	1.97E-03	5.47E-04	1.08E-03	6.45E-04	4.23E-04	5.99E-04	2.94E-04
1987	565726.8	4222180	0.004268	0.005644	2.02E-03	2.26E-03	6.19E-03	2.02E-03	5.60E-04	1.10E-03	6.62E-04	4.34E-04	6.14E-04	3.02E-04
1988	565730.4	4222189	0.004368	0.005776	2.07E-03	2.32E-03	6.33E-03	2.07E-03	5.74E-04	1.13E-03	6.77E-04	4.44E-04	6.28E-04	3.09E-04
1989	565619.7	4222026	0.002319	0.003067	1.10E-03	1.23E-03	3.36E-03	1.10E-03	3.05E-04	5.99E-04	3.59E-04	2.36E-04	3.34E-04	1.64E-04
1990	565628.7	4222029	0.002353	0.003112	1.11E-03	1.25E-03	3.41E-03	1.11E-03	3.09E-04	6.08E-04	3.65E-04	2.39E-04	3.38E-04	1.66E-04
1991	565637.8	4222033	0.002387	0.003156	1.13E-03	1.27E-03	3.46E-03	1.13E-03	3.13E-04	6.17E-04	3.70E-04	2.43E-04	3.43E-04	1.69E-04
1992	565646.8	4222037	0.002418	0.003198	1.15E-03	1.28E-03	3.51E-03	1.15E-03	3.18E-04	6.25E-04	3.75E-04	2.46E-04	3.48E-04	1.71E-04
1993	565655.9	4222040	0.002446	0.003235	1.16E-03	1.30E-03	3.55E-03	1.16E-03	3.21E-04	6.32E-04	3.79E-04	2.49E-04	3.52E-04	1.73E-04
1994	565664.9	4222044	0.002472	0.00327	1.17E-03	1.31E-03	3.58E-03	1.17E-03	3.25E-04	6.39E-04	3.83E-04	2.51E-04	3.56E-04	1.75E-04
1995	565674	4222048	0.002496	0.0033	1.18E-03	1.32E-03	3.62E-03	1.18E-03	3.28E-04	6.45E-04	3.87E-04	2.54E-04	3.59E-04	1.76E-04
1996	565686.8	4222061	0.002622	0.003468	1.24E-03	1.39E-03	3.80E-03	1.24E-03	3.44E-04	6.77E-04	4.07E-04	2.67E-04	3.77E-04	1.85E-04
1997	565694.3	4222079	0.002844	0.003761	1.35E-03	1.51E-03	4.12E-03	1.35E-03	3.73E-04	7.35E-04	4.41E-04	2.89E-04	4.09E-04	2.01E-04
1998	565698.1	4222088	0.002958	0.003913	1.40E-03	1.57E-03	4.29E-03	1.40E-03	3.89E-04	7.64E-04	4.59E-04	3.01E-04	4.26E-04	2.09E-04
1999	565701.9	4222097	0.003075	0.004066	1.46E-03	1.63E-03	4.46E-03	1.46E-03	4.04E-04	7.94E-04	4.77E-04	3.12E-04	4.42E-04	2.17E-04

2000	565705.6	4222106	0.003192	0.004222	1.51E-03	1.69E-03	4.63E-03	1.51E-03	4.19E-04	8.25E-04	4.95E-04	3.24E-04	4.59E-04	2.26E-04
2001	565709.4	4222115	0.003311	0.004379	1.57E-03	1.76E-03	4.80E-03	1.57E-03	4.35E-04	8.55E-04	5.13E-04	3.36E-04	4.76E-04	2.34E-04
2002	565713.2	4222124	0.003429	0.004535	1.62E-03	1.82E-03	4.97E-03	1.62E-03	4.50E-04	8.86E-04	5.32E-04	3.48E-04	4.93E-04	2.42E-04
2003	565720.7	4222142	0.003666	0.004848	1.74E-03	1.94E-03	5.31E-03	1.74E-03	4.81E-04	9.47E-04	5.68E-04	3.73E-04	5.27E-04	2.59E-04
2004	565724.5	4222151	0.003781	0.005	1.79E-03	2.00E-03	5.48E-03	1.79E-03	4.97E-04	9.77E-04	5.86E-04	3.84E-04	5.44E-04	2.67E-04
2005	565728.2	4222160	0.003893	0.005148	1.84E-03	2.06E-03	5.64E-03	1.84E-03	5.11E-04	1.01E-03	6.03E-04	3.96E-04	5.60E-04	2.75E-04
2006	565732	4222169	0.003999	0.005288	1.89E-03	2.12E-03	5.80E-03	1.89E-03	5.25E-04	1.03E-03	6.20E-04	4.06E-04	5.75E-04	2.83E-04
2007	565735.8	4222178	0.004101	0.005423	1.94E-03	2.17E-03	5.94E-03	1.94E-03	5.39E-04	1.06E-03	6.36E-04	4.17E-04	5.90E-04	2.90E-04
2008	565739.5	4222187	0.004197	0.00555	1.99E-03	2.22E-03	6.08E-03	1.99E-03	5.51E-04	1.08E-03	6.51E-04	4.26E-04	6.04E-04	2.97E-04
2009	565743.3	4222196	0.004287	0.005669	2.03E-03	2.27E-03	6.21E-03	2.03E-03	5.63E-04	1.11E-03	6.65E-04	4.36E-04	6.17E-04	3.03E-04
2010	565747.1	4222205	0.00437	0.00578	2.07E-03	2.32E-03	6.34E-03	2.07E-03	5.74E-04	1.13E-03	6.77E-04	4.44E-04	6.29E-04	3.09E-04
2011	565645.2	4222026	0.002289	0.003027	1.08E-03	1.21E-03	3.32E-03	1.08E-03	3.01E-04	5.91E-04	3.55E-04	2.33E-04	3.29E-04	1.62E-04
2012	565654.2	4222030	0.002317	0.003065	1.10E-03	1.23E-03	3.36E-03	1.10E-03	3.04E-04	5.99E-04	3.59E-04	2.35E-04	3.33E-04	1.64E-04
2013	565663.1	4222034	0.002343	0.003099	1.11E-03	1.24E-03	3.40E-03	1.11E-03	3.08E-04	6.05E-04	3.63E-04	2.38E-04	3.37E-04	1.66E-04
2014	565672.1	4222037	0.002367	0.00313	1.12E-03	1.25E-03	3.43E-03	1.12E-03	3.11E-04	6.11E-04	3.67E-04	2.41E-04	3.40E-04	1.67E-04
2015	565681	4222041	0.002389	0.00316	1.13E-03	1.27E-03	3.46E-03	1.13E-03	3.14E-04	6.17E-04	3.70E-04	2.43E-04	3.44E-04	1.69E-04
2016	565693.7	4222054	0.002506	0.003315	1.19E-03	1.33E-03	3.63E-03	1.19E-03	3.29E-04	6.48E-04	3.89E-04	2.55E-04	3.61E-04	1.77E-04
2017	565704.9	4222080	0.002816	0.003723	1.33E-03	1.49E-03	4.08E-03	1.33E-03	3.70E-04	7.27E-04	4.36E-04	2.86E-04	4.05E-04	1.99E-04
2018	565708.6	4222089	0.002923	0.003865	1.38E-03	1.55E-03	4.24E-03	1.38E-03	3.84E-04	7.55E-04	4.53E-04	2.97E-04	4.20E-04	2.07E-04
2019	565712.3	4222098	0.003031	0.004009	1.44E-03	1.61E-03	4.39E-03	1.44E-03	3.98E-04	7.83E-04	4.70E-04	3.08E-04	4.36E-04	2.14E-04
2020	565716	4222107	0.003141	0.004154	1.49E-03	1.67E-03	4.55E-03	1.49E-03	4.12E-04	8.11E-04	4.87E-04	3.19E-04	4.52E-04	2.22E-04
2021	565719.8	4222116	0.00325	0.004298	1.54E-03	1.72E-03	4.71E-03	1.54E-03	4.27E-04	8.40E-04	5.04E-04	3.30E-04	4.68E-04	2.30E-04
2022	565723.5	4222125	0.003359	0.004442	1.59E-03	1.78E-03	4.87E-03	1.59E-03	4.41E-04	8.68E-04	5.21E-04	3.41E-04	4.83E-04	2.38E-04
2023	565727.2	4222134	0.003468	0.004587	1.64E-03	1.84E-03	5.03E-03	1.64E-03	4.56E-04	8.96E-04	5.38E-04	3.52E-04	4.99E-04	2.45E-04
2024	565731	4222143	0.003576	0.004729	1.69E-03	1.90E-03	5.18E-03	1.69E-03	4.70E-04	9.24E-04	5.54E-04	3.63E-04	5.14E-04	2.53E-04
2025	565734.7	4222152	0.003682	0.004869	1.74E-03	1.95E-03	5.34E-03	1.74E-03	4.83E-04	9.51E-04	5.71E-04	3.74E-04	5.30E-04	2.60E-04
2026	565738.4	4222161	0.003783	0.005003	1.79E-03	2.01E-03	5.48E-03	1.79E-03	4.97E-04	9.77E-04	5.86E-04	3.84E-04	5.44E-04	2.68E-04
2027	565742.1	4222170	0.003879	0.00513	1.84E-03	2.06E-03	5.62E-03	1.84E-03	5.09E-04	1.00E-03	6.01E-04	3.94E-04	5.58E-04	2.74E-04
2028	565745.9	4222179	0.003971	0.005251	1.88E-03	2.11E-03	5.76E-03	1.88E-03	5.21E-04	1.03E-03	6.16E-04	4.04E-04	5.71E-04	2.81E-04
2029	565749.6	4222188	0.004057	0.005365	1.92E-03	2.15E-03	5.88E-03	1.92E-03	5.33E-04	1.05E-03	6.29E-04	4.12E-04	5.84E-04	2.87E-04
2030	565753.3	4222197	0.004138	0.005473	1.96E-03	2.19E-03	6.00E-03	1.96E-03	5.43E-04	1.07E-03	6.42E-04	4.21E-04	5.95E-04	2.93E-04
2031	565757	4222205	0.004213	0.005572	2.00E-03	2.23E-03	6.11E-03	2.00E-03	5.53E-04	1.09E-03	6.53E-04	4.28E-04	6.06E-04	2.98E-04
2032	565760.8	4222214	0.004282	0.005663	2.03E-03	2.27E-03	6.21E-03	2.03E-03	5.62E-04	1.11E-03	6.64E-04	4.35E-04	6.16E-04	3.03E-04
2033	565764.5	4222223	0.004344	0.005745	2.06E-03	2.30E-03	6.30E-03	2.06E-03	5.70E-04	1.12E-03	6.73E-04	4.41E-04	6.25E-04	3.07E-04
2034	565670.3	4222027	0.002247	0.002972	1.06E-03	1.19E-03	3.26E-03	1.06E-03	2.95E-04	5.81E-04	3.48E-04	2.28E-04	3.23E-04	1.59E-04
2035	565679.2	4222030	0.00227	0.003002	1.08E-03	1.20E-03	3.29E-03	1.08E-03	2.98E-04	5.86E-04	3.52E-04	2.31E-04	3.26E-04	1.61E-04
2036	565688	4222034	0.00229	0.003029	1.09E-03	1.21E-03	3.32E-03	1.09E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.29E-04	1.62E-04
2037	565700.6	4222046	0.002399	0.003173	1.14E-03	1.27E-03	3.48E-03	1.14E-03	3.15E-04	6.20E-04	3.72E-04	2.44E-04	3.45E-04	1.70E-04
2038	565704.3	4222055	0.002492	0.003295	1.18E-03	1.32E-03	3.61E-03	1.18E-03	3.27E-04	6.44E-04	3.86E-04	2.53E-04	3.58E-04	1.76E-04
2039	565715.4	4222082	0.002783	0.00368	1.32E-03	1.48E-03	4.03E-03	1.32E-03	3.65E-04	7.19E-04	4.31E-04	2.83E-04	4.00E-04	1.97E-04
2040	565719	4222091	0.002883	0.003813	1.37E-03	1.53E-03	4.18E-03	1.37E-03	3.79E-04	7.45E-04	4.47E-04	2.93E-04	4.15E-04	2.04E-04
2041	565722.7	4222100	0.002985	0.003947	1.41E-03	1.58E-03	4.33E-03	1.41E-03	3.92E-04	7.71E-04	4.63E-04	3.03E-04	4.29E-04	2.11E-04
2042	565726.4	4222108	0.003086	0.004082	1.46E-03	1.64E-03	4.47E-03	1.46E-03	4.05E-04	7.97E-04	4.78E-04	3.14E-04	4.44E-04	2.18E-04
2043	565730.1	4222117	0.003187	0.004215	1.51E-03	1.69E-03	4.62E-03	1.51E-03	4.19E-04	8.23E-04	4.94E-04	3.24E-04	4.58E-04	2.25E-04
2044	565733.8	4222126	0.003288	0.004348	1.56E-03	1.74E-03	4.77E-03	1.56E-03	4.32E-04	8.49E-04	5.10E-04	3.34E-04	4.73E-04	2.33E-04
2045	565737.5	4222135	0.003389	0.004482	1.61E-03	1.80E-03	4.91E-03	1.61E-03	4.45E-04	8.76E-04	5.25E-04	3.44E-04	4.87E-04	2.40E-04
2046	565741.2	4222144	0.003488	0.004613	1.65E-03	1.85E-03	5.06E-03	1.65E-03	4.58E-04	9.01E-04	5.41E-04	3.54E-04	5.02E-04	2.47E-04
2047	565744.9	4222153	0.003584	0.004739	1.70E-03	1.90E-03	5.20E-03	1.70E-03	4.71E-04	9.26E-04	5.56E-04	3.64E-04	5.15E-04	2.53E-04
2048	565748.5	4222161	0.003675	0.004861	1.74E-03	1.95E-03	5.33E-03	1.74E-03	4.83E-04	9.49E-04	5.70E-04	3.74E-04	5.29E-04	2.60E-04
2049	565752.2	4222170	0.003762	0.004976	1.78E-03	1.99E-03	5.45E-03	1.78E-03	4.94E-04	9.72E-04	5.83E-04	3.82E-04	5.41E-04	2.66E-04
2050	565755.9	4222179	0.003845	0.005086	1.82E-03	2.04E-03	5.58E-03	1.82E-03	5.05E-04	9.93E-04	5.96E-04	3.91E-04	5.53E-04	2.72E-04
2051	565759.6	4222188	0.003924	0.005189	1.86E-03	2.08E-03	5.69E-03	1.86E-03	5.15E-04	1.01E-03	6.08E-04	3.99E-04	5.64E-04	2.77E-04
2052	565763.3	4222197	0.003996	0.005285	1.89E-03	2.12E-03	5.79E-03	1.89E-03	5.25E-04	1.03E-03	6.20E-04	4.06E-04	5.75E-04	2.83E-04
2053	565767	4222206	0.004065	0.005376	1.93E-03	2.16E-03	5.89E-03	1.93E-03	5.34E-04	1.05E-03	6.30E-04	4.13E-04	5.85E-04	2.87E-04
2054	565770.7	4222215	0.004127	0.005458	1.96E-03	2.19E-03	5.98E-03	1.96E-03	5.42E-04	1.07E-03	6.40E-04	4.19E-04	5.94E-04	2.92E-04
2055	565774.4	4222223	0.004184	0.005533	1.98E-03	2.22E-03	6.07E-03	1.98E-03	5.49E-04	1.08E-03	6.49E-04	4.25E-04	6.02E-04	2.96E-04
2056	565695.1	4222027	0.002197	0.002906	1.04E-03	1.17E-03	3.19E-03	1.04E-03	2.89E-04	5.68E-04	3.41E-04	2.23E-04	3.16E-04	1.55E-04
2057	565707.5	4222039	0.002299	0.00304	1.09E-03	1.22E-03	3.33E-03	1.09E-03	3.02E-04	5.94E-04	3.56E-04	2.34E-04	3.31E-04	1.63E-04
2058	565711.2	4222048	0.002384	0.003153	1.13E-03	1.26E-03	3.46E-03	1.13E-03	3.13E-04	6.16E-04	3.70E-04	2.42E-04	3.43E-04	1.69E-04
2059	565714.8	4222057	0.002472	0.00327	1.17E-03	1.31E-03	3.58E-03	1.17E-03	3.25E-04	6.39E-04	3.83E-04	2.51E-04	3.56E-04	1.75E-04
2060	565725.8	4222083	0.002747	0.003633	1.30E-03	1.46E-03	3.98E-03	1.30E-03	3.61E-04	7.10E-04	4.26E-04	2.79E-04	3.95E-04	1.94E-04
2061	565729.4	4222092	0.002841	0.003757	1.35E-03	1.51E-03	4.12E-03	1.35E-03	3.73E-04	7.34E-04	4.40E-04	2.89E-04	4.09E-04	2.01E-04
2062	565733.1	4222101	0.002935	0.003882	1.39E-03	1.56E-03	4.26E-03	1.39E-03	3.85E-04	7.58E-04	4.55E-04	2.98E-04	4.22E-04	2.08E-04
2063	565736.7	4222110	0.00303	0.004007	1.44E-03	1.61E-03	4.39E-03	1.44E-03	3.98E-04	7.83E-04	4.70E-04	3.08E-04	4.36E-04	2.14E-04
2064	565740.4	4222118	0.003125	0.004132	1.48E-03	1.66E-03	4.53E-03	1.48E-03	4.10E-04	8.07E-04	4.84E-04	3.18E-04	4.49E-04	2.21E-04
2065	565744	4222127	0.003218	0.004256	1.52E-03	1.71E-03	4.67E-03	1.52E-03	4.23E-04	8.31E-04	4.99E-04	3.27E-04	4.63E-04	2.28E-04
2066	565747.7	4222136	0.00331	0.004378	1.57E-03	1.76E-03	4.80E-03	1.57E-03	4.35E-04	8.55E-04	5.13E-04	3.36E-04	4.76E-04	2.34E-04
2067	565751.3	4222145	0.003401	0.004497	1.61E-03	1.80E-03	4.93E-03	1.61E-03	4.47E-04	8.79E-04	5.27E-04	3.46E-04	4.89E-04	2.40E-04
2068	565755	4222153	0.003487	0.004612	1.65E-03	1.85E-03	5.06E-03	1.65E-03	4.58E-04	9.01E-04	5.41E-04	3.54E-04	5.02E-04	2.47E-04
2069	565758.7	4222162	0.003571	0.004722	1.69E-03	1.89E-03	5.18E-03	1.69E-03	4.69E-04	9.22E-04	5.54E-04	3.63E-04	5.14E-04	2.53E-04
2070	565762.3	4222171	0.00365	0.004827	1.73E-03	1.94E-03	5.29E-03	1.73E-03	4.79E-04	9.43E-04	5.66E-04	3.71E-04	5.25E-04	2.58E-04
2071	565766	4222180	0.003726	0.004927	1.77E-03	1.98E-03	5.40E-03	1.77E-03	4.89E-04	9.62E-04	5.78E-04	3.79E-04	5.36E-04	2.63E-04
2072	565769.6	4222188	0.003797	0.005022	1.80E-03	2.01E-03	5.50E-03	1.80E-03	4.99E-04	9.81E-04	5.89E-04	3.86E-04	5.46E-04	2.69E-04
2073	565773.3	4222197	0.003864	0.00511	1.83E-03	2.05E-03	5.60E-03	1.83E-03	5.07E-04	9.98E-04	5.99E-04	3.93E-04	5.56E-04	2.73E-04
2074	565776.9	4222206	0.003925	0.005191	1.86E-03	2.08E-03	5.69E-03	1.86E-03	5.16E-04	1.01E-03	6.09E-04	3.99E-04	5.65E-04	2.78E-04
2075	565780.6	4222215	0.003982	0.005266	1.89E-03	2.11E-03	5.77E-03	1.89E-03	5.23E-04	1.03E-03	6.17E-04	4.05E-04	5.73E-04	2.82E-04
2076	565784.2	4222223	0.004033	0.005333	1.91E-03	2.14E-03	5.85E-03	1.91E-03	5.30E-04	1.04E-03	6.25E-04	4.10E-04	5.80E-04	2.85E-04
2077	565714.6	4222033	0.002208	0.00292	1.05E-03	1.17E-03	3.20E-03	1.05E-03	2.90E-04	5.70E-04	3.42E-04	2.24E-04	3.18E-04	1.56E-04
2078	565718.4	4222042	0.002292	0.003031	1.09E-03	1.22E-03	3.32E-03	1.09E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.30E-04	1.62E-04
2079	565722.1	4222051	0.002377	0.003144	1.13E-03	1.26E-03	3.45E-03	1.13E-03	3.12E-04	6.14E-04	3.68E-04	2.42E-04	3.42E-04	1.68E-04
2080	565725.9	4222060	0.002464	0.003259	1.17E-03	1.31E-03	3.57E-03	1.17E-03	3.24E-04	6.37E-04	3.82E-04	2.50E-04	3.54E-04	1.74E-04
2081	565733.5	4222078	0.002643	0.003496	1.25E-03	1.40E-03	3.83E-03	1.25E-03	3.47E-04	6.83E-04	4.10E-04	2.69E-04	3.80E-04	1.87E-04
2082	565737.2	4222087	0.002735	0.003618	1.30E-03	1.45E-03	3.97E-03	1.30E-03	3.59E-04	7.07E-04	4.24E-04	2.78E-04	3.93E-04	1.93E-04
2083	565741	4222096	0.002828	0.00374	1.34E-03	1.50E-03	4.10E-03	1.34E-03	3.71E-04	7.31E-04	4.38E-04	2.87E-04	4.07E-04	2.00E-04
2084	565744.8	4222105	0.00292	0.003862	1.38E-03	1.55E-03	4.23E-03	1.38E-03	3.83E-04	7.54E-04	4.53E-04	2.97E-04	4.20E-04	2.07E-04
2085	565756.1	4222132	0.003192	0.004221	1.51E-03	1.69E-03	4.63E-03	1.51E-03	4.19E-04	8.25E-04	4.95E-04	3.24E-04	4.59E-04	2.26E-04
2086	565759.9	4222142	0.003279	0.004336	1.55E-03	1.74E-03	4.75E-03	1.55E-03	4.31E-04	8.47E-04	5.08E-04	3.33E-04	4.72E-04	2.32E-04
2087	565763.7	4222151	0.003363	0.004447	1.59E-03	1.78E-03	4.88E-03	1.59E-03	4.42E-04	8.69E-04	5.21E-04	3.42E-04	4.84E-04	2.38E-04
2088	565767.5	4222160	0.003444	0.004554	1.63E-03	1.83E-03	4.99E-03	1.63E-03	4.52E-04	8.90E-04	5.34E-04	3.50E-04	4.95E-04	2.44E-04
2089	565771.3	4222169	0.003521	0.004656	1.67E-03	1.87E-03	5.10E-03	1.67E-03	4.62E-04	9.10E-04	5.46E-04	3.58E-04	5.06E-04	2.49E-04
2090	565775	4222178	0.003594	0.004753	1.70E-03	1.91E-03	5.21E-03	1.70E-03	4.72E-04	9.29E-04	5.57E-04	3.65E-04	5.17E-04	2.54E-04

2091	565778.8	4222187	0.003663	0.004844	1.74E-03	1.94E-03	5.31E-03	1.74E-03	4.81E-04	9.46E-04	5.68E-04	3.72E-04	5.27E-04	2.59E-04
2092	565782.6	4222196	0.003727	0.004929	1.77E-03	1.98E-03	5.40E-03	1.77E-03	4.89E-04	9.63E-04	5.78E-04	3.79E-04	5.36E-04	2.64E-04
2093	565786.4	4222205	0.003786	0.005007	1.79E-03	2.01E-03	5.49E-03	1.79E-03	4.97E-04	9.78E-04	5.87E-04	3.85E-04	5.45E-04	2.68E-04
2094	565790.2	4222214	0.00384	0.005078	1.82E-03	2.04E-03	5.57E-03	1.82E-03	5.04E-04	9.92E-04	5.95E-04	3.90E-04	5.52E-04	2.72E-04
2095	565793.9	4222223	0.003888	0.005142	1.84E-03	2.06E-03	5.64E-03	1.84E-03	5.11E-04	1.00E-03	6.03E-04	3.95E-04	5.59E-04	2.75E-04
2096	565721.5	4222026	0.002119	0.002803	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.47E-04	3.29E-04	2.15E-04	3.05E-04	1.50E-04
2097	565725.2	4222035	0.002198	0.002906	1.04E-03	1.17E-03	3.19E-03	1.04E-03	2.89E-04	5.68E-04	3.41E-04	2.23E-04	3.16E-04	1.55E-04
2098	565729	4222044	0.002277	0.003011	1.08E-03	1.21E-03	3.30E-03	1.08E-03	2.99E-04	5.88E-04	3.53E-04	2.31E-04	3.28E-04	1.61E-04
2099	565732.7	4222053	0.002358	0.003119	1.12E-03	1.25E-03	3.42E-03	1.12E-03	3.10E-04	6.09E-04	3.66E-04	2.40E-04	3.39E-04	1.67E-04
2100	565736.4	4222062	0.00244	0.003228	1.16E-03	1.29E-03	3.54E-03	1.16E-03	3.20E-04	6.30E-04	3.78E-04	2.48E-04	3.51E-04	1.73E-04
2101	565773.9	4222151	0.003276	0.004332	1.55E-03	1.74E-03	4.75E-03	1.55E-03	4.30E-04	8.46E-04	5.08E-04	3.33E-04	4.71E-04	2.32E-04
2102	565777.6	4222160	0.00335	0.004431	1.59E-03	1.78E-03	4.86E-03	1.59E-03	4.40E-04	8.66E-04	5.19E-04	3.40E-04	4.82E-04	2.37E-04
2103	565781.4	4222169	0.003421	0.004524	1.62E-03	1.81E-03	4.96E-03	1.62E-03	4.49E-04	8.84E-04	5.30E-04	3.48E-04	4.92E-04	2.42E-04
2104	565785.1	4222178	0.003487	0.004612	1.65E-03	1.85E-03	5.06E-03	1.65E-03	4.58E-04	9.01E-04	5.41E-04	3.54E-04	5.02E-04	2.47E-04
2105	565788.8	4222187	0.00355	0.004695	1.68E-03	1.88E-03	5.15E-03	1.68E-03	4.66E-04	9.17E-04	5.50E-04	3.61E-04	5.11E-04	2.51E-04
2106	565792.6	4222196	0.003608	0.004771	1.71E-03	1.91E-03	5.23E-03	1.71E-03	4.74E-04	9.32E-04	5.59E-04	3.67E-04	5.19E-04	2.55E-04
2107	565796.3	4222205	0.00366	0.004841	1.73E-03	1.94E-03	5.31E-03	1.73E-03	4.81E-04	9.46E-04	5.67E-04	3.72E-04	5.27E-04	2.59E-04
2108	565800.1	4222214	0.003708	0.004904	1.76E-03	1.97E-03	5.38E-03	1.76E-03	4.87E-04	9.58E-04	5.75E-04	3.77E-04	5.33E-04	2.62E-04
2109	565803.8	4222223	0.003751	0.00496	1.78E-03	1.99E-03	5.44E-03	1.78E-03	4.93E-04	9.69E-04	5.81E-04	3.81E-04	5.39E-04	2.65E-04
2110	565742.9	4222029	0.002094	0.002769	9.92E-04	1.11E-03	3.04E-03	9.92E-04	2.75E-04	5.41E-04	3.25E-04	2.13E-04	3.01E-04	1.48E-04
2111	565746.6	4222038	0.002165	0.002863	1.03E-03	1.15E-03	3.14E-03	1.03E-03	2.84E-04	5.59E-04	3.36E-04	2.20E-04	3.11E-04	1.53E-04
2112	565750.3	4222047	0.002237	0.002958	1.06E-03	1.19E-03	3.24E-03	1.06E-03	2.94E-04	5.78E-04	3.47E-04	2.27E-04	3.22E-04	1.58E-04
2113	565753.9	4222056	0.00231	0.003055	1.09E-03	1.22E-03	3.35E-03	1.09E-03	3.03E-04	5.97E-04	3.58E-04	2.35E-04	3.32E-04	1.63E-04
2114	565765	4222082	0.002535	0.003352	1.20E-03	1.34E-03	3.68E-03	1.20E-03	3.33E-04	6.55E-04	3.93E-04	2.58E-04	3.65E-04	1.79E-04
2115	565768.7	4222091	0.00261	0.003451	1.24E-03	1.38E-03	3.78E-03	1.24E-03	3.43E-04	6.74E-04	4.05E-04	2.65E-04	3.75E-04	1.85E-04
2116	565772.3	4222100	0.002684	0.00355	1.27E-03	1.42E-03	3.89E-03	1.27E-03	3.53E-04	6.93E-04	4.16E-04	2.73E-04	3.86E-04	1.90E-04
2117	565776	4222109	0.002758	0.003647	1.31E-03	1.46E-03	4.00E-03	1.31E-03	3.62E-04	7.12E-04	4.28E-04	2.80E-04	3.97E-04	1.95E-04
2118	565779.7	4222117	0.00283	0.003743	1.34E-03	1.50E-03	4.10E-03	1.34E-03	3.72E-04	7.31E-04	4.39E-04	2.88E-04	4.07E-04	2.00E-04
2119	565783.4	4222126	0.002901	0.003836	1.37E-03	1.54E-03	4.21E-03	1.37E-03	3.81E-04	7.49E-04	4.50E-04	2.95E-04	4.17E-04	2.05E-04
2120	565787.1	4222135	0.002971	0.003929	1.41E-03	1.58E-03	4.31E-03	1.41E-03	3.90E-04	7.68E-04	4.61E-04	3.02E-04	4.27E-04	2.10E-04
2121	565790.7	4222144	0.003039	0.004019	1.44E-03	1.61E-03	4.41E-03	1.44E-03	3.99E-04	7.85E-04	4.71E-04	3.09E-04	4.37E-04	2.15E-04
2122	565809.2	4222188	0.00333	0.004404	1.58E-03	1.77E-03	4.83E-03	1.58E-03	4.37E-04	8.60E-04	5.16E-04	3.38E-04	4.79E-04	2.35E-04
2123	565812.8	4222197	0.003377	0.004466	1.60E-03	1.79E-03	4.90E-03	1.60E-03	4.43E-04	8.72E-04	5.24E-04	3.43E-04	4.86E-04	2.39E-04
2124	565816.5	4222206	0.00342	0.004523	1.62E-03	1.81E-03	4.96E-03	1.62E-03	4.49E-04	8.83E-04	5.30E-04	3.48E-04	4.92E-04	2.42E-04
2125	565820.2	4222214	0.003459	0.004574	1.64E-03	1.83E-03	5.01E-03	1.64E-03	4.54E-04	8.94E-04	5.36E-04	3.51E-04	4.98E-04	2.45E-04
2126	565823.9	4222223	0.003529	0.004667	1.67E-03	1.87E-03	5.12E-03	1.67E-03	4.63E-04	9.12E-04	5.47E-04	3.59E-04	5.08E-04	2.50E-04
2127	565761	4222024	0.002005	0.002652	9.50E-04	1.06E-03	2.91E-03	9.50E-04	2.63E-04	5.18E-04	3.11E-04	2.04E-04	2.88E-04	1.42E-04
2128	565764.8	4222034	0.002071	0.002738	9.81E-04	1.10E-03	3.00E-03	9.81E-04	2.72E-04	5.35E-04	3.21E-04	2.10E-04	2.98E-04	1.46E-04
2129	565768.5	4222043	0.002137	0.002827	1.01E-03	1.13E-03	3.10E-03	1.01E-03	2.81E-04	5.52E-04	3.31E-04	2.17E-04	3.07E-04	1.51E-04
2130	565772.3	4222052	0.002205	0.002916	1.04E-03	1.17E-03	3.20E-03	1.04E-03	2.90E-04	5.70E-04	3.42E-04	2.24E-04	3.17E-04	1.56E-04
2131	565776.1	4222061	0.002273	0.003006	1.08E-03	1.21E-03	3.30E-03	1.08E-03	2.99E-04	5.87E-04	3.52E-04	2.31E-04	3.27E-04	1.61E-04
2132	565783.6	4222079	0.00241	0.003187	1.14E-03	1.28E-03	3.49E-03	1.14E-03	3.16E-04	6.23E-04	3.74E-04	2.45E-04	3.47E-04	1.70E-04
2133	565787.3	4222088	0.002478	0.003277	1.17E-03	1.31E-03	3.59E-03	1.17E-03	3.25E-04	6.40E-04	3.84E-04	2.52E-04	3.56E-04	1.75E-04
2134	565791.1	4222097	0.002545	0.003366	1.21E-03	1.35E-03	3.69E-03	1.21E-03	3.34E-04	6.58E-04	3.95E-04	2.59E-04	3.66E-04	1.80E-04
2135	565794.9	4222106	0.002571	0.003401	1.22E-03	1.36E-03	3.73E-03	1.22E-03	3.38E-04	6.64E-04	3.99E-04	2.61E-04	3.70E-04	1.82E-04
2136	565798.6	4222115	0.002642	0.003493	1.25E-03	1.40E-03	3.83E-03	1.25E-03	3.47E-04	6.82E-04	4.09E-04	2.68E-04	3.80E-04	1.87E-04
2137	565802.4	4222124	0.002709	0.003582	1.28E-03	1.44E-03	3.93E-03	1.28E-03	3.56E-04	7.00E-04	4.20E-04	2.75E-04	3.90E-04	1.92E-04
2138	565806.2	4222133	0.002779	0.003675	1.32E-03	1.47E-03	4.03E-03	1.32E-03	3.65E-04	7.18E-04	4.31E-04	2.82E-04	4.00E-04	1.97E-04
2139	565809.9	4222142	0.002848	0.003766	1.35E-03	1.51E-03	4.13E-03	1.35E-03	3.74E-04	7.36E-04	4.41E-04	2.89E-04	4.10E-04	2.01E-04
2140	565813.7	4222151	0.002922	0.003864	1.38E-03	1.55E-03	4.24E-03	1.38E-03	3.84E-04	7.55E-04	4.53E-04	2.97E-04	4.20E-04	2.07E-04
2141	565817.5	4222160	0.002977	0.003937	1.41E-03	1.58E-03	4.32E-03	1.41E-03	3.91E-04	7.69E-04	4.62E-04	3.03E-04	4.28E-04	2.11E-04
2142	565821.2	4222169	0.003028	0.004005	1.43E-03	1.61E-03	4.39E-03	1.43E-03	3.98E-04	7.82E-04	4.69E-04	3.08E-04	4.36E-04	2.14E-04
2143	565825	4222178	0.003085	0.00408	1.46E-03	1.64E-03	4.47E-03	1.46E-03	4.05E-04	7.97E-04	4.78E-04	3.14E-04	4.44E-04	2.18E-04
2144	565843.8	4222223	0.003296	0.004359	1.56E-03	1.75E-03	4.78E-03	1.56E-03	4.33E-04	8.52E-04	5.11E-04	3.35E-04	4.74E-04	2.33E-04
2145	565782.3	4222028	0.001972	0.002608	9.34E-04	1.05E-03	2.86E-03	9.34E-04	2.59E-04	5.09E-04	3.06E-04	2.00E-04	2.84E-04	1.39E-04
2146	565786	4222036	0.002032	0.002687	9.63E-04	1.08E-03	2.95E-03	9.63E-04	2.67E-04	5.25E-04	3.15E-04	2.06E-04	2.92E-04	1.44E-04
2147	565789.7	4222045	0.002091	0.002766	9.91E-04	1.11E-03	3.03E-03	9.91E-04	2.75E-04	5.40E-04	3.24E-04	2.13E-04	3.01E-04	1.48E-04
2148	565793.4	4222054	0.002151	0.002845	1.02E-03	1.14E-03	3.12E-03	1.02E-03	2.83E-04	5.56E-04	3.33E-04	2.19E-04	3.09E-04	1.52E-04
2149	565800.8	4222072	0.002272	0.003004	1.08E-03	1.20E-03	3.29E-03	1.08E-03	2.98E-04	5.87E-04	3.52E-04	2.31E-04	3.27E-04	1.61E-04
2150	565804.5	4222081	0.002332	0.003084	1.11E-03	1.24E-03	3.38E-03	1.11E-03	3.06E-04	6.03E-04	3.62E-04	2.37E-04	3.35E-04	1.65E-04
2151	565808.3	4222090	0.002392	0.003164	1.13E-03	1.27E-03	3.47E-03	1.13E-03	3.14E-04	6.18E-04	3.71E-04	2.43E-04	3.44E-04	1.69E-04
2152	565812	4222099	0.002415	0.003193	1.14E-03	1.28E-03	3.50E-03	1.14E-03	3.17E-04	6.24E-04	3.74E-04	2.45E-04	3.47E-04	1.71E-04
2153	565815.7	4222108	0.002474	0.003272	1.17E-03	1.31E-03	3.59E-03	1.17E-03	3.25E-04	6.39E-04	3.84E-04	2.51E-04	3.56E-04	1.75E-04
2154	565819.4	4222116	0.002532	0.003349	1.20E-03	1.34E-03	3.67E-03	1.20E-03	3.33E-04	6.54E-04	3.93E-04	2.57E-04	3.64E-04	1.79E-04
2155	565823.1	4222125	0.002587	0.003421	1.23E-03	1.37E-03	3.75E-03	1.23E-03	3.40E-04	6.68E-04	4.01E-04	2.63E-04	3.72E-04	1.83E-04
2156	565826.8	4222134	0.002649	0.003504	1.26E-03	1.40E-03	3.84E-03	1.26E-03	3.48E-04	6.84E-04	4.11E-04	2.69E-04	3.81E-04	1.87E-04
2157	565830.5	4222143	0.002709	0.003583	1.28E-03	1.44E-03	3.93E-03	1.28E-03	3.56E-04	7.00E-04	4.20E-04	2.75E-04	3.90E-04	1.92E-04
2158	565834.2	4222152	0.002766	0.003658	1.31E-03	1.47E-03	4.01E-03	1.31E-03	3.63E-04	7.15E-04	4.29E-04	2.81E-04	3.98E-04	1.96E-04
2159	565837.9	4222161	0.002817	0.003726	1.33E-03	1.49E-03	4.08E-03	1.33E-03	3.70E-04	7.28E-04	4.37E-04	2.86E-04	4.05E-04	1.99E-04
2160	565841.6	4222170	0.002865	0.003789	1.36E-03	1.52E-03	4.15E-03	1.36E-03	3.76E-04	7.40E-04	4.44E-04	2.91E-04	4.12E-04	2.03E-04
2161	565845.3	4222179	0.00291	0.003849	1.38E-03	1.54E-03	4.22E-03	1.38E-03	3.82E-04	7.52E-04	4.51E-04	2.96E-04	4.19E-04	2.06E-04
2162	565849	4222188	0.002952	0.003904	1.40E-03	1.57E-03	4.28E-03	1.40E-03	3.88E-04	7.63E-04	4.58E-04	3.00E-04	4.25E-04	2.09E-04
2163	565852.7	4222196	0.002991	0.003955	1.42E-03	1.59E-03	4.34E-03	1.42E-03	3.93E-04	7.73E-04	4.64E-04	3.04E-04	4.30E-04	2.11E-04
2164	565856.4	4222205	0.003027	0.004003	1.43E-03	1.60E-03	4.39E-03	1.43E-03	3.97E-04	7.82E-04	4.69E-04	3.08E-04	4.35E-04	2.14E-04
2165	565860.1	4222214	0.00306	0.004047	1.45E-03	1.62E-03	4.44E-03	1.45E-03	4.02E-04	7.91E-04	4.74E-04	3.11E-04	4.40E-04	2.16E-04
2166	565819.5	4222069	0.002168	0.002868	1.03E-03	1.15E-03	3.14E-03	1.03E-03	2.85E-04	5.60E-04	3.36E-04	2.20E-04	3.12E-04	1.53E-04
2167	565823.3	4222078	0.002224	0.002941	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.92E-04	5.74E-04	3.45E-04	2.26E-04	3.20E-04	1.57E-04
2168	565827.1	4222087	0.002242	0.002965	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.94E-04	5.79E-04	3.48E-04	2.28E-04	3.23E-04	1.59E-04
2169	565830.9	4222096	0.002299	0.00304	1.09E-03	1.22E-03	3.33E-03	1.09E-03	3.02E-04	5.94E-04	3.56E-04	2.34E-04	3.31E-04	1.63E-04
2170	565834.6	4222105	0.002352	0.003111	1.11E-03	1.25E-03	3.41E-03	1.11E-03	3.09E-04	6.08E-04	3.65E-04	2.39E-04	3.38E-04	1.66E-04
2171	565838.4	4222114	0.002406	0.003181	1.14E-03	1.28E-03	3.49E-03	1.14E-03	3.16E-04	6.21E-04	3.73E-04	2.44E-04	3.46E-04	1.70E-04
2172	565842.2	4222123	0.002458	0.003251	1.16E-03	1.30E-03	3.56E-03	1.16E-03	3.23E-04	6.35E-04	3.81E-04	2.50E-04	3.54E-04	1.74E-04
2173	565846	4222132	0.002512	0.003322	1.19E-03	1.33E-03	3.64E-03	1.19E-03	3.30E-04	6.49E-04	3.89E-04	2.55E-04	3.61E-04	1.78E-04
2174	565849.8	4222141	0.002564	0.003391	1.21E-03	1.36E-03	3.72E-03	1.21E-03	3.37E-04	6.62E-04	3.97E-04	2.61E-04	3.69E-04	1.81E-04
2175	565853.5	4222150	0.002612	0.003455	1.24E-03	1.39E-03	3.79E-03	1.24E-03	3.43E-04	6.75E-04	4.05E-04	2.65E-04	3.76E-04	1.85E-04
2176	565857.3	4222159	0.002658	0.003515	1.26E-03	1.41E-03	3.85E-03	1.26E-03	3.49E-04	6.87E-04	4.12E-04	2.70E-04	3.82E-04	1.88E-04
2177	565861.1	4222169	0.0027	0.003571	1.28E-03	1.43E-03	3.91E-03	1.28E-03	3.55E-04	6.98E-04	4.19E-04	2.74E-04	3.88E-04	1.91E-04
2178	565864.9	4222178	0.00274	0.003624	1.30E-03	1.45E-03	3.97E-03	1.30E-03	3.60E-04	7.08E-04	4.25E-04	2.78E-04	3.94E-04	1.94E-04
2179	565868.7	4222187	0.002777	0.003673	1.32E-03	1.47E-03	4.03E-03	1.32E-03	3.65E-04	7.17E-04	4.31E-04	2.82E-04	3.99E-04	1.96E-04
2180	565872.4	4222196	0.002814	0.003721	1.33E-03	1.49E-03	4.08E-03	1.33E-03	3.70E-04	7.27E-04	4.36E-04	2.86E-04	4.05E-04	1.99E-04
2181	565876.2	4222205	0.002848	0.003766	1.35E-03	1.51E-03	4.13E-03	1.35E-03	3.74E-04	7.36E-04	4.41E-04	2.89E-04	4.10E-04	2.01E-04

2182	565880	4222214	0.002879	0.003808	1.36E-03	1.53E-03	4.17E-03	1.36E-03	3.78E-04	7.44E-04	4.46E-04	2.93E-04	4.14E-04	2.04E-04
2183	565883.8	4222223	0.002906	0.003843	1.38E-03	1.54E-03	4.21E-03	1.38E-03	3.82E-04	7.51E-04	4.50E-04	2.95E-04	4.18E-04	2.05E-04
2184	565862.8	4222125	0.002354	0.003113	1.12E-03	1.25E-03	3.41E-03	1.12E-03	3.09E-04	6.08E-04	3.65E-04	2.39E-04	3.39E-04	1.66E-04
2185	565866.6	4222134	0.002398	0.003171	1.14E-03	1.27E-03	3.48E-03	1.14E-03	3.15E-04	6.20E-04	3.72E-04	2.44E-04	3.45E-04	1.70E-04
2186	565870.3	4222143	0.002441	0.003228	1.16E-03	1.29E-03	3.54E-03	1.16E-03	3.21E-04	6.31E-04	3.78E-04	2.48E-04	3.51E-04	1.73E-04
2187	565874	4222151	0.002482	0.003282	1.18E-03	1.32E-03	3.60E-03	1.18E-03	3.26E-04	6.41E-04	3.85E-04	2.52E-04	3.57E-04	1.76E-04
2188	565877.7	4222160	0.00252	0.003333	1.19E-03	1.34E-03	3.65E-03	1.19E-03	3.31E-04	6.51E-04	3.91E-04	2.56E-04	3.63E-04	1.78E-04
2189	565881.5	4222169	0.002556	0.003381	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.60E-04	3.96E-04	2.60E-04	3.68E-04	1.81E-04
2190	565885.2	4222178	0.002591	0.003427	1.23E-03	1.37E-03	3.76E-03	1.23E-03	3.40E-04	6.69E-04	4.02E-04	2.63E-04	3.73E-04	1.83E-04
2191	565888.9	4222187	0.002624	0.003471	1.24E-03	1.39E-03	3.80E-03	1.24E-03	3.45E-04	6.78E-04	4.07E-04	2.67E-04	3.78E-04	1.86E-04
2192	565892.7	4222196	0.002657	0.003514	1.26E-03	1.41E-03	3.85E-03	1.26E-03	3.49E-04	6.86E-04	4.12E-04	2.70E-04	3.82E-04	1.88E-04
2193	565896.4	4222205	0.002686	0.003552	1.27E-03	1.42E-03	3.89E-03	1.27E-03	3.53E-04	6.94E-04	4.16E-04	2.73E-04	3.86E-04	1.90E-04
2194	565900.1	4222214	0.002711	0.003586	1.28E-03	1.44E-03	3.93E-03	1.28E-03	3.56E-04	7.00E-04	4.20E-04	2.76E-04	3.90E-04	1.92E-04
2195	565903.8	4222223	0.002732	0.003613	1.29E-03	1.45E-03	3.96E-03	1.29E-03	3.59E-04	7.06E-04	4.24E-04	2.78E-04	3.93E-04	1.93E-04
2196	565897.2	4222159	0.00239	0.00316	1.13E-03	1.27E-03	3.46E-03	1.13E-03	3.14E-04	6.17E-04	3.70E-04	2.43E-04	3.44E-04	1.69E-04
2197	565901	4222168	0.002424	0.003205	1.15E-03	1.28E-03	3.51E-03	1.15E-03	3.18E-04	6.26E-04	3.76E-04	2.46E-04	3.49E-04	1.71E-04
2198	565904.8	4222177	0.002455	0.003247	1.16E-03	1.30E-03	3.56E-03	1.16E-03	3.22E-04	6.34E-04	3.81E-04	2.50E-04	3.53E-04	1.74E-04
2199	565908.6	4222186	0.002485	0.003286	1.18E-03	1.32E-03	3.60E-03	1.18E-03	3.26E-04	6.42E-04	3.85E-04	2.52E-04	3.57E-04	1.76E-04
2200	565912.4	4222195	0.002511	0.003321	1.19E-03	1.33E-03	3.64E-03	1.19E-03	3.30E-04	6.49E-04	3.89E-04	2.55E-04	3.61E-04	1.78E-04
2201	565916.2	4222205	0.002535	0.003352	1.20E-03	1.34E-03	3.67E-03	1.20E-03	3.33E-04	6.55E-04	3.93E-04	2.58E-04	3.65E-04	1.79E-04
2202	565920	4222214	0.002555	0.003379	1.21E-03	1.35E-03	3.70E-03	1.21E-03	3.36E-04	6.60E-04	3.96E-04	2.60E-04	3.68E-04	1.81E-04
2203	565923.8	4222223	0.002572	0.003402	1.22E-03	1.36E-03	3.73E-03	1.22E-03	3.38E-04	6.65E-04	3.99E-04	2.61E-04	3.70E-04	1.82E-04
2204	565932.6	4222196	0.002375	0.003141	1.13E-03	1.26E-03	3.44E-03	1.13E-03	3.12E-04	6.14E-04	3.68E-04	2.41E-04	3.42E-04	1.68E-04
2205	565936.3	4222205	0.002395	0.003167	1.13E-03	1.27E-03	3.47E-03	1.13E-03	3.14E-04	6.19E-04	3.71E-04	2.43E-04	3.44E-04	1.69E-04
2206	565940.1	4222214	0.002411	0.003189	1.14E-03	1.28E-03	3.50E-03	1.14E-03	3.17E-04	6.23E-04	3.74E-04	2.45E-04	3.47E-04	1.71E-04
2207	565943.8	4222223	0.002426	0.003208	1.15E-03	1.29E-03	3.52E-03	1.15E-03	3.19E-04	6.27E-04	3.76E-04	2.47E-04	3.49E-04	1.72E-04
2208	565921.9	4222122	0.002043	0.002701	9.68E-04	1.08E-03	2.96E-03	9.68E-04	2.68E-04	5.28E-04	3.17E-04	2.08E-04	2.94E-04	1.44E-04
2209	565929.5	4222044	0.00161	0.002129	7.63E-04	8.54E-04	2.33E-03	7.63E-04	2.11E-04	4.16E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
2210	565933.2	4222053	0.001641	0.00217	7.78E-04	8.70E-04	2.38E-03	7.78E-04	2.16E-04	4.24E-04	2.54E-04	1.67E-04	2.36E-04	1.16E-04
2211	565936.9	4222062	0.001671	0.00221	7.92E-04	8.86E-04	2.42E-03	7.92E-04	2.19E-04	4.32E-04	2.59E-04	1.70E-04	2.40E-04	1.18E-04
2212	565940.6	4222071	0.001701	0.002249	8.06E-04	9.02E-04	2.47E-03	8.06E-04	2.23E-04	4.39E-04	2.64E-04	1.73E-04	2.45E-04	1.20E-04
2213	565944.4	4222080	0.001732	0.00229	8.20E-04	9.18E-04	2.51E-03	8.20E-04	2.27E-04	4.47E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
2214	565944.6	4222033	0.00152	0.002011	7.20E-04	8.06E-04	2.20E-03	7.20E-04	2.00E-04	3.93E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
2215	565948.4	4222042	0.001549	0.002049	7.34E-04	8.21E-04	2.25E-03	7.34E-04	2.03E-04	4.00E-04	2.40E-04	1.57E-04	2.23E-04	1.10E-04
2216	565952.1	4222051	0.001577	0.002086	7.47E-04	8.36E-04	2.29E-03	7.47E-04	2.07E-04	4.07E-04	2.45E-04	1.60E-04	2.27E-04	1.12E-04
2217	565955.9	4222060	0.001606	0.002123	7.61E-04	8.51E-04	2.33E-03	7.61E-04	2.11E-04	4.15E-04	2.49E-04	1.63E-04	2.31E-04	1.14E-04
2218	565959.7	4222069	0.001634	0.002161	7.74E-04	8.66E-04	2.37E-03	7.74E-04	2.15E-04	4.22E-04	2.53E-04	1.66E-04	2.35E-04	1.16E-04
2219	565963.4	4222078	0.001661	0.002197	7.87E-04	8.81E-04	2.41E-03	7.87E-04	2.18E-04	4.29E-04	2.58E-04	1.69E-04	2.39E-04	1.17E-04
2220	565967.2	4222087	0.001687	0.00223	7.99E-04	8.94E-04	2.44E-03	7.99E-04	2.21E-04	4.36E-04	2.61E-04	1.71E-04	2.43E-04	1.19E-04
2221	565971	4222096	0.00171	0.002261	8.10E-04	9.07E-04	2.48E-03	8.10E-04	2.25E-04	4.42E-04	2.65E-04	1.74E-04	2.46E-04	1.21E-04
2222	565974.8	4222105	0.001735	0.002295	8.22E-04	9.20E-04	2.52E-03	8.22E-04	2.28E-04	4.48E-04	2.69E-04	1.76E-04	2.50E-04	1.23E-04
2223	565978.5	4222114	0.001759	0.002327	8.33E-04	9.33E-04	2.55E-03	8.33E-04	2.31E-04	4.54E-04	2.73E-04	1.79E-04	2.53E-04	1.24E-04
2224	565982.3	4222123	0.001782	0.002357	8.44E-04	9.45E-04	2.58E-03	8.44E-04	2.34E-04	4.60E-04	2.76E-04	1.81E-04	2.56E-04	1.26E-04
2225	566023.8	4222223	0.001944	0.002571	9.21E-04	1.03E-03	2.82E-03	9.21E-04	2.55E-04	5.02E-04	3.01E-04	1.98E-04	2.80E-04	1.37E-04
2226	565626.9	4221740	0.000735	0.000973	3.48E-04	3.90E-04	1.07E-03	3.48E-04	9.66E-05	1.90E-04	1.14E-04	7.47E-05	1.06E-04	5.20E-05
2227	565635.9	4221743	0.000744	0.000984	3.53E-04	3.95E-04	1.08E-03	3.53E-04	9.77E-05	1.92E-04	1.15E-04	7.56E-05	1.07E-04	5.26E-05
2228	565644.9	4221747	0.000753	0.000996	3.57E-04	3.99E-04	1.09E-03	3.57E-04	9.89E-05	1.95E-04	1.17E-04	7.65E-05	1.08E-04	5.33E-05
2229	565653.8	4221751	0.000762	0.001008	3.61E-04	4.04E-04	1.10E-03	3.61E-04	1.00E-04	1.97E-04	1.18E-04	7.75E-05	1.10E-04	5.39E-05
2230	565662.8	4221754	0.000771	0.00102	3.65E-04	4.09E-04	1.12E-03	3.65E-04	1.01E-04	1.99E-04	1.20E-04	7.84E-05	1.11E-04	5.45E-05
2231	565958	4222017	0.001422	0.001881	6.74E-04	7.54E-04	2.06E-03	6.74E-04	1.87E-04	3.67E-04	2.20E-04	1.45E-04	2.05E-04	1.01E-04
2232	565961.7	4222026	0.001449	0.001917	6.87E-04	7.68E-04	2.10E-03	6.87E-04	1.90E-04	3.74E-04	2.25E-04	1.47E-04	2.08E-04	1.03E-04
2233	565965.4	4222035	0.001476	0.001951	6.99E-04	7.82E-04	2.14E-03	6.99E-04	1.94E-04	3.81E-04	2.29E-04	1.50E-04	2.12E-04	1.04E-04
2234	565969.2	4222044	0.001502	0.001987	7.12E-04	7.96E-04	2.18E-03	7.12E-04	1.97E-04	3.88E-04	2.33E-04	1.53E-04	2.16E-04	1.06E-04
2235	565972.9	4222053	0.00153	0.002023	7.25E-04	8.11E-04	2.22E-03	7.25E-04	2.01E-04	3.95E-04	2.37E-04	1.55E-04	2.20E-04	1.08E-04
2236	565976.6	4222061	0.001556	0.002058	7.37E-04	8.25E-04	2.26E-03	7.37E-04	2.04E-04	4.02E-04	2.41E-04	1.58E-04	2.24E-04	1.10E-04
2237	565980.4	4222070	0.001581	0.00209	7.49E-04	8.38E-04	2.29E-03	7.49E-04	2.08E-04	4.08E-04	2.45E-04	1.61E-04	2.27E-04	1.12E-04
2238	565984.1	4222079	0.001602	0.002119	7.59E-04	8.50E-04	2.32E-03	7.59E-04	2.10E-04	4.14E-04	2.48E-04	1.63E-04	2.30E-04	1.13E-04
2239	565987.8	4222088	0.001623	0.002146	7.69E-04	8.60E-04	2.35E-03	7.69E-04	2.13E-04	4.19E-04	2.52E-04	1.65E-04	2.33E-04	1.15E-04
2240	565991.6	4222097	0.001643	0.002172	7.78E-04	8.71E-04	2.38E-03	7.78E-04	2.16E-04	4.24E-04	2.55E-04	1.67E-04	2.36E-04	1.16E-04
2241	565995.3	4222106	0.001665	0.002202	7.89E-04	8.83E-04	2.41E-03	7.89E-04	2.19E-04	4.30E-04	2.58E-04	1.69E-04	2.39E-04	1.18E-04
2242	565999	4222115	0.001686	0.00223	7.99E-04	8.94E-04	2.44E-03	7.99E-04	2.21E-04	4.36E-04	2.61E-04	1.71E-04	2.43E-04	1.19E-04
2243	566002.8	4222124	0.001706	0.002256	8.08E-04	9.05E-04	2.47E-03	8.08E-04	2.24E-04	4.41E-04	2.64E-04	1.73E-04	2.45E-04	1.21E-04
2244	566006.5	4222133	0.001725	0.002281	8.17E-04	9.14E-04	2.50E-03	8.17E-04	2.27E-04	4.46E-04	2.67E-04	1.75E-04	2.48E-04	1.22E-04
2245	566010.2	4222142	0.001742	0.002304	8.25E-04	9.24E-04	2.53E-03	8.25E-04	2.29E-04	4.50E-04	2.70E-04	1.77E-04	2.51E-04	1.23E-04
2246	566014	4222151	0.001759	0.002326	8.33E-04	9.33E-04	2.55E-03	8.33E-04	2.31E-04	4.54E-04	2.73E-04	1.79E-04	2.53E-04	1.24E-04
2247	566017.7	4222160	0.001774	0.002346	8.40E-04	9.40E-04	2.57E-03	8.40E-04	2.33E-04	4.58E-04	2.75E-04	1.80E-04	2.55E-04	1.25E-04
2248	566036.4	4222205	0.001827	0.002417	8.66E-04	9.69E-04	2.65E-03	8.66E-04	2.40E-04	4.72E-04	2.83E-04	1.86E-04	2.63E-04	1.29E-04
2249	566040.1	4222214	0.001832	0.002423	8.68E-04	9.72E-04	2.66E-03	8.68E-04	2.41E-04	4.73E-04	2.84E-04	1.86E-04	2.64E-04	1.30E-04
2250	566043.8	4222223	0.00184	0.002433	8.72E-04	9.75E-04	2.67E-03	8.72E-04	2.42E-04	4.75E-04	2.85E-04	1.87E-04	2.65E-04	1.30E-04
2251	565628.5	4221720	0.000695	0.00092	3.29E-04	3.69E-04	1.01E-03	3.29E-04	9.13E-05	1.80E-04	1.08E-04	7.07E-05	1.00E-04	4.92E-05
2252	565637.6	4221724	0.000704	0.000931	3.33E-04	3.73E-04	1.02E-03	3.33E-04	9.24E-05	1.82E-04	1.09E-04	7.15E-05	1.01E-04	4.98E-05
2253	565646.7	4221728	0.000712	0.000942	3.37E-04	3.77E-04	1.03E-03	3.37E-04	9.35E-05	1.84E-04	1.10E-04	7.24E-05	1.02E-04	5.04E-05
2254	565655.8	4221731	0.00072	0.000953	3.41E-04	3.82E-04	1.04E-03	3.41E-04	9.46E-05	1.86E-04	1.12E-04	7.32E-05	1.04E-04	5.09E-05
2255	565664.9	4221735	0.000728	0.000963	3.45E-04	3.86E-04	1.06E-03	3.45E-04	9.57E-05	1.88E-04	1.13E-04	7.40E-05	1.05E-04	5.15E-05
2256	565674	4221739	0.000737	0.000974	3.49E-04	3.91E-04	1.07E-03	3.49E-04	9.68E-05	1.90E-04	1.14E-04	7.49E-05	1.06E-04	5.21E-05
2257	565683.1	4221743	0.000745	0.000985	3.53E-04	3.95E-04	1.08E-03	3.53E-04	9.78E-05	1.92E-04	1.15E-04	7.57E-05	1.07E-04	5.27E-05
2258	565692.2	4221746	0.000753	0.000996	3.57E-04	3.99E-04	1.09E-03	3.57E-04	9.89E-05	1.95E-04	1.17E-04	7.66E-05	1.08E-04	5.33E-05
2259	565701.2	4221750	0.000762	0.001007	3.61E-04	4.04E-04	1.10E-03	3.61E-04	1.00E-04	1.97E-04	1.18E-04	7.74E-05	1.10E-04	5.39E-05
2260	565710.3	4221754	0.00077	0.001018	3.65E-04	4.08E-04	1.12E-03	3.65E-04	1.01E-04	1.99E-04	1.19E-04	7.82E-05	1.11E-04	5.44E-05
2261	565719.4	4221758	0.000778	0.001029	3.69E-04	4.13E-04	1.13E-03	3.69E-04	1.02E-04	2.01E-04	1.21E-04	7.91E-05	1.12E-04	5.50E-05
2262	565728.5	4221761	0.000786	0.00104	3.72E-04	4.17E-04	1.14E-03	3.72E-04	1.03E-04	2.03E-04	1.22E-04	7.99E-05	1.13E-04	5.56E-05
2263	565973	4222005	0.001348	0.001783	6.39E-04	7.15E-04	1.95E-03	6.39E-04	1.77E-04	3.48E-04	2.09E-04	1.37E-04	1.94E-04	9.53E-05
2264	565976.8	4222014	0.001373	0.001816	6.50E-04	7.28E-04	1.99E-03	6.50E-04	1.80E-04	3.55E-04	2.13E-04	1.40E-04	1.97E-04	9.71E-05
2265	565980.6	4222023	0.001397	0.001848	6.62E-04	7.41E-04	2.03E-03	6.62E-04	1.83E-04	3.61E-04	2.17E-04	1.42E-04	2.01E-04	9.88E-05
2266	565984.4	4222032	0.001422	0.001881	6.74E-04	7.54E-04	2.06E-03	6.74E-04	1.87E-04	3.67E-04	2.20E-04	1.45E-04	2.05E-04	1.01E-04
2267	565988.1	4222041	0.001447	0.001914	6.86E-04	7.67E-04	2.10E-03	6.86E-04	1.90E-04	3.74E-04	2.24E-04	1.47E-04	2.08E-04	1.02E-04
2268	565991.9	4222050	0.001472	0.001946	6.97E-04	7.80E-04	2.13E-03	6.97E-04	1.93E-04	3.80E-04	2.28E-04	1.50E-04	2.12E-04	1.04E-04
2269	565995.7	4222059	0.001495	0.001977	7.08E-04	7.92E-04	2.17E-03	7.08E-04	1.96E-04	3.86E-04	2.32E-04	1.52E-04	2.15E-04	1.06E-04
2270	565999.5	4222068	0.001516	0.002005	7.18E-04	8.04E-04	2.20E-03	7.18E-04	1.99E-04	3.92E-04	2.35E-04	1.54E-04	2.18E-04	1.07E-04
2271	566003.3	4222077	0.001536	0.002031	7.28E-04	8.14E-04	2.23E-03	7.28E-04	2.02E-04	3.97E-04	2.38E-04	1.56E-04	2.21E-04	1.09E-04
2272	566007.1	4222086	0.001556	0.002057	7.37E-04	8.25E-04	2.26E-03	7.37E-04	2.04E-04	4.02E-04	2.41E-04	1.58E-04	2.24E-04	1.10E-04

2273	566010.8	4222095	0.001575	0.002082	7.46E-04	8.35E-04	2.28E-03	7.46E-04	2.07E-04	4.07E-04	2.44E-04	1.60E-04	2.27E-04	1.11E-04
2274	566014.6	4222105	0.001595	0.002109	7.56E-04	8.46E-04	2.31E-03	7.56E-04	2.09E-04	4.12E-04	2.47E-04	1.62E-04	2.29E-04	1.13E-04
2275	566018.4	4222114	0.001613	0.002134	7.64E-04	8.55E-04	2.34E-03	7.64E-04	2.12E-04	4.17E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
2276	566022.2	4222123	0.00163	0.002155	7.72E-04	8.64E-04	2.36E-03	7.72E-04	2.14E-04	4.21E-04	2.53E-04	1.66E-04	2.34E-04	1.15E-04
2277	566026	4222132	0.001646	0.002176	7.80E-04	8.72E-04	2.39E-03	7.80E-04	2.16E-04	4.25E-04	2.55E-04	1.67E-04	2.37E-04	1.16E-04
2278	566029.7	4222141	0.001661	0.002197	7.87E-04	8.81E-04	2.41E-03	7.87E-04	2.18E-04	4.29E-04	2.58E-04	1.69E-04	2.39E-04	1.17E-04
2279	566033.5	4222150	0.001676	0.002217	7.94E-04	8.89E-04	2.43E-03	7.94E-04	2.20E-04	4.33E-04	2.60E-04	1.70E-04	2.41E-04	1.19E-04
2280	566037.3	4222159	0.001689	0.002234	8.00E-04	8.96E-04	2.45E-03	8.00E-04	2.22E-04	4.36E-04	2.62E-04	1.72E-04	2.43E-04	1.19E-04
2281	566041.1	4222168	0.0017	0.002248	8.05E-04	9.01E-04	2.46E-03	8.05E-04	2.23E-04	4.39E-04	2.64E-04	1.73E-04	2.45E-04	1.20E-04
2282	566052.4	4222195	0.00172	0.002274	8.15E-04	9.12E-04	2.49E-03	8.15E-04	2.26E-04	4.44E-04	2.67E-04	1.75E-04	2.47E-04	1.22E-04
2283	565627.3	4221700	0.000657	0.000868	3.11E-04	3.48E-04	9.52E-04	3.11E-04	8.62E-05	1.70E-04	1.02E-04	6.67E-05	9.45E-05	4.64E-05
2284	565636.3	4221703	0.000664	0.000878	3.15E-04	3.52E-04	9.63E-04	3.15E-04	8.72E-05	1.72E-04	1.03E-04	6.75E-05	9.55E-05	4.70E-05
2285	565645.3	4221707	0.000672	0.000888	3.18E-04	3.56E-04	9.74E-04	3.18E-04	8.82E-05	1.74E-04	1.04E-04	6.83E-05	9.66E-05	4.75E-05
2286	565654.3	4221711	0.000679	0.000898	3.22E-04	3.60E-04	9.85E-04	3.22E-04	8.92E-05	1.75E-04	1.05E-04	6.90E-05	9.77E-05	4.80E-05
2287	565663.3	4221715	0.000687	0.000908	3.25E-04	3.64E-04	9.96E-04	3.25E-04	9.02E-05	1.77E-04	1.06E-04	6.98E-05	9.88E-05	4.86E-05
2288	565672.3	4221718	0.000694	0.000918	3.29E-04	3.68E-04	1.01E-03	3.29E-04	9.12E-05	1.79E-04	1.08E-04	7.06E-05	9.99E-05	4.91E-05
2289	565681.3	4221722	0.000702	0.000928	3.33E-04	3.72E-04	1.02E-03	3.33E-04	9.22E-05	1.81E-04	1.09E-04	7.13E-05	1.01E-04	4.96E-05
2290	565690.3	4221726	0.000709	0.000938	3.36E-04	3.76E-04	1.03E-03	3.36E-04	9.32E-05	1.83E-04	1.10E-04	7.21E-05	1.02E-04	5.02E-05
2291	565699.3	4221729	0.000717	0.000948	3.40E-04	3.80E-04	1.04E-03	3.40E-04	9.41E-05	1.85E-04	1.11E-04	7.28E-05	1.03E-04	5.07E-05
2292	565708.3	4221733	0.000724	0.000958	3.43E-04	3.84E-04	1.05E-03	3.43E-04	9.51E-05	1.87E-04	1.12E-04	7.36E-05	1.04E-04	5.12E-05
2293	565717.3	4221737	0.000732	0.000968	3.47E-04	3.88E-04	1.06E-03	3.47E-04	9.61E-05	1.89E-04	1.13E-04	7.44E-05	1.05E-04	5.18E-05
2294	565726.3	4221740	0.00074	0.000978	3.50E-04	3.92E-04	1.07E-03	3.50E-04	9.71E-05	1.91E-04	1.15E-04	7.52E-05	1.06E-04	5.23E-05
2295	565753.3	4221752	0.000762	0.001008	3.61E-04	4.04E-04	1.10E-03	3.61E-04	1.00E-04	1.97E-04	1.18E-04	7.74E-05	1.10E-04	5.39E-05
2296	565762.3	4221755	0.000769	0.001017	3.64E-04	4.08E-04	1.12E-03	3.64E-04	1.01E-04	1.99E-04	1.19E-04	7.82E-05	1.11E-04	5.44E-05
2297	565771.3	4221759	0.000776	0.001027	3.68E-04	4.12E-04	1.13E-03	3.68E-04	1.02E-04	2.01E-04	1.20E-04	7.89E-05	1.12E-04	5.49E-05
2298	565780.3	4221763	0.000784	0.001036	3.71E-04	4.15E-04	1.14E-03	3.71E-04	1.03E-04	2.02E-04	1.21E-04	7.96E-05	1.13E-04	5.54E-05
2299	565789.3	4221766	0.000791	0.001046	3.75E-04	4.19E-04	1.15E-03	3.75E-04	1.04E-04	2.04E-04	1.23E-04	8.03E-05	1.14E-04	5.59E-05
2300	565798.3	4221770	0.000797	0.001055	3.78E-04	4.23E-04	1.16E-03	3.78E-04	1.05E-04	2.06E-04	1.24E-04	8.10E-05	1.15E-04	5.64E-05
2301	565807.3	4221774	0.000804	0.001064	3.81E-04	4.26E-04	1.17E-03	3.81E-04	1.06E-04	2.08E-04	1.25E-04	8.17E-05	1.16E-04	5.69E-05
2302	565986.4	4221989	0.001266	0.001674	6.00E-04	6.71E-04	1.84E-03	6.00E-04	1.66E-04	3.27E-04	1.96E-04	1.29E-04	1.82E-04	8.95E-05
2303	565990.2	4221998	0.00129	0.001705	6.11E-04	6.84E-04	1.87E-03	6.11E-04	1.69E-04	3.33E-04	2.00E-04	1.31E-04	1.85E-04	9.12E-05
2304	565993.9	4222007	0.001313	0.001736	6.22E-04	6.96E-04	1.90E-03	6.22E-04	1.72E-04	3.39E-04	2.03E-04	1.33E-04	1.89E-04	9.28E-05
2305	565997.7	4222016	0.001336	0.001767	6.33E-04	7.08E-04	1.94E-03	6.33E-04	1.75E-04	3.45E-04	2.07E-04	1.36E-04	1.92E-04	9.45E-05
2306	566001.4	4222025	0.00136	0.001799	6.44E-04	7.21E-04	1.97E-03	6.44E-04	1.79E-04	3.51E-04	2.11E-04	1.38E-04	1.96E-04	9.62E-05
2307	566005.2	4222034	0.001384	0.001831	6.56E-04	7.34E-04	2.01E-03	6.56E-04	1.82E-04	3.58E-04	2.15E-04	1.41E-04	1.99E-04	9.79E-05
2308	566008.9	4222043	0.001406	0.001859	6.66E-04	7.45E-04	2.04E-03	6.66E-04	1.85E-04	3.63E-04	2.18E-04	1.43E-04	2.02E-04	9.94E-05
2309	566012.7	4222052	0.001427	0.001887	6.76E-04	7.56E-04	2.07E-03	6.76E-04	1.87E-04	3.69E-04	2.21E-04	1.45E-04	2.05E-04	1.01E-04
2310	566016.4	4222061	0.001448	0.001915	6.86E-04	7.68E-04	2.10E-03	6.86E-04	1.90E-04	3.74E-04	2.24E-04	1.47E-04	2.08E-04	1.02E-04
2311	566020.1	4222070	0.001468	0.001941	6.95E-04	7.78E-04	2.13E-03	6.95E-04	1.93E-04	3.79E-04	2.28E-04	1.49E-04	2.11E-04	1.04E-04
2312	566023.9	4222079	0.001487	0.001966	7.04E-04	7.88E-04	2.16E-03	7.04E-04	1.95E-04	3.84E-04	2.30E-04	1.51E-04	2.14E-04	1.05E-04
2313	566027.6	4222088	0.001505	0.00199	7.13E-04	7.98E-04	2.18E-03	7.13E-04	1.98E-04	3.89E-04	2.33E-04	1.53E-04	2.16E-04	1.06E-04
2314	566031.4	4222097	0.001522	0.002012	7.21E-04	8.07E-04	2.21E-03	7.21E-04	2.00E-04	3.93E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
2315	566035.1	4222106	0.001537	0.002033	7.28E-04	8.15E-04	2.23E-03	7.28E-04	2.02E-04	3.97E-04	2.38E-04	1.56E-04	2.21E-04	1.09E-04
2316	566038.9	4222115	0.001551	0.002051	7.35E-04	8.22E-04	2.25E-03	7.35E-04	2.04E-04	4.01E-04	2.40E-04	1.58E-04	2.23E-04	1.10E-04
2317	566042.6	4222124	0.001562	0.002065	7.40E-04	8.28E-04	2.26E-03	7.40E-04	2.05E-04	4.03E-04	2.42E-04	1.59E-04	2.25E-04	1.10E-04
2318	566046.4	4222133	0.001575	0.002083	7.46E-04	8.35E-04	2.28E-03	7.46E-04	2.07E-04	4.07E-04	2.44E-04	1.60E-04	2.27E-04	1.11E-04
2319	566050.1	4222142	0.001588	0.002101	7.53E-04	8.42E-04	2.30E-03	7.53E-04	2.09E-04	4.10E-04	2.46E-04	1.61E-04	2.28E-04	1.12E-04
2320	566053.9	4222151	0.001601	0.002117	7.58E-04	8.49E-04	2.32E-03	7.58E-04	2.10E-04	4.14E-04	2.48E-04	1.63E-04	2.30E-04	1.13E-04
2321	566065.1	4222178	0.001618	0.00214	7.67E-04	8.58E-04	2.35E-03	7.67E-04	2.12E-04	4.18E-04	2.51E-04	1.64E-04	2.33E-04	1.14E-04
2322	566068.8	4222187	0.001616	0.002137	7.65E-04	8.57E-04	2.34E-03	7.65E-04	2.12E-04	4.17E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
2323	566072.6	4222196	0.001619	0.002141	7.67E-04	8.58E-04	2.35E-03	7.67E-04	2.13E-04	4.18E-04	2.51E-04	1.65E-04	2.33E-04	1.14E-04
2324	566076.3	4222205	0.001623	0.002146	7.69E-04	8.60E-04	2.35E-03	7.69E-04	2.13E-04	4.19E-04	2.52E-04	1.65E-04	2.33E-04	1.15E-04
2325	566080.1	4222214	0.001627	0.002152	7.71E-04	8.63E-04	2.36E-03	7.71E-04	2.14E-04	4.20E-04	2.52E-04	1.65E-04	2.34E-04	1.15E-04
2326	566083.8	4222222	0.001633	0.00216	7.74E-04	8.66E-04	2.37E-03	7.74E-04	2.14E-04	4.22E-04	2.53E-04	1.66E-04	2.35E-04	1.16E-04
2327	565510.3	4221632	0.000531	0.000702	2.52E-04	2.82E-04	7.70E-04	2.52E-04	6.97E-05	1.37E-04	8.23E-05	5.40E-05	7.64E-05	3.76E-05
2328	565519.5	4221635	0.000538	0.000711	2.55E-04	2.85E-04	7.80E-04	2.55E-04	7.06E-05	1.39E-04	8.34E-05	5.47E-05	7.74E-05	3.80E-05
2329	565628.8	4221680	0.000623	0.000824	2.95E-04	3.30E-04	9.03E-04	2.95E-04	8.18E-05	1.61E-04	9.66E-05	6.33E-05	8.96E-05	4.41E-05
2330	565637.9	4221684	0.00063	0.000834	2.99E-04	3.34E-04	9.14E-04	2.99E-04	8.28E-05	1.63E-04	9.77E-05	6.41E-05	9.07E-05	4.46E-05
2331	565647	4221688	0.000637	0.000843	3.02E-04	3.38E-04	9.24E-04	3.02E-04	8.37E-05	1.65E-04	9.88E-05	6.48E-05	9.17E-05	4.51E-05
2332	565656.1	4221692	0.000645	0.000852	3.05E-04	3.42E-04	9.34E-04	3.05E-04	8.46E-05	1.67E-04	9.99E-05	6.55E-05	9.27E-05	4.56E-05
2333	565665.2	4221695	0.000652	0.000862	3.09E-04	3.45E-04	9.45E-04	3.09E-04	8.56E-05	1.68E-04	1.01E-04	6.62E-05	9.37E-05	4.61E-05
2334	565674.3	4221699	0.000659	0.000871	3.12E-04	3.49E-04	9.55E-04	3.12E-04	8.65E-05	1.70E-04	1.02E-04	6.69E-05	9.47E-05	4.66E-05
2335	565683.4	4221703	0.000666	0.00088	3.15E-04	3.53E-04	9.65E-04	3.15E-04	8.74E-05	1.72E-04	1.03E-04	6.77E-05	9.58E-05	4.71E-05
2336	565692.5	4221707	0.000673	0.00089	3.19E-04	3.57E-04	9.75E-04	3.19E-04	8.83E-05	1.74E-04	1.04E-04	6.84E-05	9.68E-05	4.76E-05
2337	565701.6	4221710	0.00068	0.000899	3.22E-04	3.60E-04	9.85E-04	3.22E-04	8.93E-05	1.76E-04	1.05E-04	6.91E-05	9.78E-05	4.81E-05
2338	565710.7	4221714	0.000687	0.000908	3.25E-04	3.64E-04	9.96E-04	3.25E-04	9.02E-05	1.77E-04	1.06E-04	6.98E-05	9.88E-05	4.86E-05
2339	565719.9	4221718	0.000694	0.000918	3.29E-04	3.68E-04	1.01E-03	3.29E-04	9.11E-05	1.79E-04	1.08E-04	7.05E-05	9.98E-05	4.91E-05
2340	565729	4221722	0.000701	0.000927	3.32E-04	3.72E-04	1.02E-03	3.32E-04	9.21E-05	1.81E-04	1.09E-04	7.13E-05	1.01E-04	4.96E-05
2341	565756.3	4221733	0.000722	0.000955	3.42E-04	3.83E-04	1.05E-03	3.42E-04	9.48E-05	1.87E-04	1.12E-04	7.34E-05	1.04E-04	5.11E-05
2342	565765.4	4221737	0.000729	0.000964	3.45E-04	3.86E-04	1.06E-03	3.45E-04	9.57E-05	1.88E-04	1.13E-04	7.41E-05	1.05E-04	5.15E-05
2343	565774.5	4221740	0.000736	0.000973	3.49E-04	3.90E-04	1.07E-03	3.49E-04	9.66E-05	1.90E-04	1.14E-04	7.48E-05	1.06E-04	5.20E-05
2344	565783.6	4221744	0.000742	0.000982	3.52E-04	3.94E-04	1.08E-03	3.52E-04	9.75E-05	1.92E-04	1.15E-04	7.55E-05	1.07E-04	5.25E-05
2345	565792.7	4221748	0.000749	0.000991	3.55E-04	3.97E-04	1.09E-03	3.55E-04	9.84E-05	1.94E-04	1.16E-04	7.61E-05	1.08E-04	5.30E-05
2346	565801.8	4221752	0.000756	0.000999	3.58E-04	4.01E-04	1.10E-03	3.58E-04	9.93E-05	1.95E-04	1.17E-04	7.68E-05	1.09E-04	5.34E-05
2347	565811	4221755	0.000762	0.001008	3.61E-04	4.04E-04	1.11E-03	3.61E-04	1.00E-04	1.97E-04	1.18E-04	7.75E-05	1.10E-04	5.39E-05
2348	565820.1	4221759	0.000769	0.001017	3.64E-04	4.08E-04	1.11E-03	3.64E-04	1.01E-04	1.99E-04	1.19E-04	7.81E-05	1.11E-04	5.44E-05
2349	565829.2	4221763	0.000775	0.001025	3.67E-04	4.11E-04	1.12E-03	3.67E-04	1.02E-04	2.00E-04	1.20E-04	7.87E-05	1.11E-04	5.48E-05
2350	565838.3	4221767	0.000781	0.001033	3.70E-04	4.14E-04	1.13E-03	3.70E-04	1.03E-04	2.02E-04	1.21E-04	7.94E-05	1.12E-04	5.52E-05
2351	565847.4	4221770	0.000787	0.001041	3.73E-04	4.17E-04	1.14E-03	3.73E-04	1.03E-04	2.03E-04	1.22E-04	8.00E-05	1.13E-04	5.57E-05
2352	565997.6	4221968	0.00118	0.00156	5.59E-04	6.25E-04	1.71E-03	5.59E-04	1.55E-04	3.05E-04	1.83E-04	1.20E-04	1.70E-04	8.34E-05
2353	566001.4	4221977	0.001203	0.001591	5.70E-04	6.38E-04	1.74E-03	5.70E-04	1.58E-04	3.11E-04	1.87E-04	1.22E-04	1.73E-04	8.51E-05
2354	566005.2	4221986	0.001225	0.00162	5.80E-04	6.49E-04	1.78E-03	5.80E-04	1.61E-04	3.16E-04	1.90E-04	1.24E-04	1.76E-04	8.66E-05
2355	566009	4221995	0.001246	0.001648	5.90E-04	6.61E-04	1.81E-03	5.90E-04	1.64E-04	3.22E-04	1.93E-04	1.27E-04	1.79E-04	8.81E-05
2356	566012.8	4222004	0.001268	0.001677	6.01E-04	6.72E-04	1.84E-03	6.01E-04	1.67E-04	3.28E-04	1.97E-04	1.29E-04	1.82E-04	8.97E-05
2357	566016.6	4222013	0.00129	0.001707	6.11E-04	6.84E-04	1.87E-03	6.11E-04	1.69E-04	3.33E-04	2.00E-04	1.31E-04	1.86E-04	9.13E-05
2358	566020.4	4222022	0.001312	0.001735	6.22E-04	6.96E-04	1.90E-03	6.22E-04	1.72E-04	3.39E-04	2.03E-04	1.33E-04	1.89E-04	9.28E-05
2359	566024.2	4222031	0.001333	0.001763	6.31E-04	7.07E-04	1.93E-03	6.31E-04	1.75E-04	3.44E-04	2.07E-04	1.35E-04	1.92E-04	9.43E-05
2360	566027.9	4222040	0.001353	0.00179	6.41E-04	7.17E-04	1.96E-03	6.41E-04	1.78E-04	3.50E-04	2.10E-04	1.38E-04	1.95E-04	9.57E-05
2361	566031.7	4222050	0.001374	0.001817	6.51E-04	7.29E-04	1.99E-03	6.51E-04	1.80E-04	3.55E-04	2.13E-04	1.40E-04	1.98E-04	9.72E-05
2362	566035.5	4222059	0.001395	0.001845	6.61E-04	7.40E-04	2.02E-03	6.61E-04	1.83E-04	3.60E-04	2.16E-04	1.42E-04	2.01E-04	9.87E-05
2363	566039.3	4222068	0.001414	0.00187	6.70E-04	7.50E-04	2.05E-03	6.70E-04	1.86E-04	3.65E-04	2.19E-04	1.44E-04	2.03E-04	1.00E-04

2364	566043.1	4222077	0.001431	0.001893	6.78E-04	7.59E-04	2.08E-03	6.78E-04	1.88E-04	3.70E-04	2.22E-04	1.45E-04	2.06E-04	1.01E-04
2365	566046.9	4222086	0.001448	0.001915	6.86E-04	7.68E-04	2.10E-03	6.86E-04	1.90E-04	3.74E-04	2.25E-04	1.47E-04	2.08E-04	1.02E-04
2366	566050.7	4222095	0.001465	0.001938	6.94E-04	7.77E-04	2.12E-03	6.94E-04	1.92E-04	3.79E-04	2.27E-04	1.49E-04	2.11E-04	1.04E-04
2367	566054.5	4222104	0.001478	0.001955	7.00E-04	7.84E-04	2.14E-03	7.00E-04	1.94E-04	3.82E-04	2.29E-04	1.50E-04	2.13E-04	1.05E-04
2368	566058.3	4222113	0.001488	0.001968	7.05E-04	7.89E-04	2.16E-03	7.05E-04	1.95E-04	3.84E-04	2.31E-04	1.51E-04	2.14E-04	1.05E-04
2369	566062.1	4222122	0.001495	0.001977	7.08E-04	7.93E-04	2.17E-03	7.08E-04	1.96E-04	3.86E-04	2.32E-04	1.52E-04	2.15E-04	1.06E-04
2370	566065.9	4222131	0.001504	0.001989	7.13E-04	7.97E-04	2.18E-03	7.13E-04	1.98E-04	3.89E-04	2.33E-04	1.53E-04	2.16E-04	1.06E-04
2371	566069.7	4222141	0.001514	0.002002	7.17E-04	8.03E-04	2.19E-03	7.17E-04	1.99E-04	3.91E-04	2.35E-04	1.54E-04	2.18E-04	1.07E-04
2372	566081	4222168	0.001519	0.002009	7.20E-04	8.05E-04	2.20E-03	7.20E-04	2.00E-04	3.92E-04	2.36E-04	1.54E-04	2.19E-04	1.07E-04
2373	566084.8	4222177	0.001515	0.002004	7.18E-04	8.03E-04	2.20E-03	7.18E-04	1.99E-04	3.91E-04	2.35E-04	1.54E-04	2.18E-04	1.07E-04
2374	566088.6	4222186	0.00151	0.001997	7.15E-04	8.00E-04	2.19E-03	7.15E-04	1.98E-04	3.90E-04	2.34E-04	1.53E-04	2.17E-04	1.07E-04
2375	566092.4	4222195	0.001515	0.002004	7.18E-04	8.03E-04	2.20E-03	7.18E-04	1.99E-04	3.91E-04	2.35E-04	1.54E-04	2.18E-04	1.07E-04
2376	566096.2	4222204	0.001525	0.002017	7.22E-04	8.08E-04	2.21E-03	7.22E-04	2.00E-04	3.94E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
2377	566100	4222213	0.001535	0.00203	7.27E-04	8.14E-04	2.23E-03	7.27E-04	2.02E-04	3.97E-04	2.38E-04	1.56E-04	2.21E-04	1.09E-04
2378	566103.8	4222222	0.001545	0.002043	7.32E-04	8.19E-04	2.24E-03	7.32E-04	2.03E-04	3.99E-04	2.39E-04	1.57E-04	2.22E-04	1.09E-04
2379	565501.2	4221628	0.000524	0.000693	2.48E-04	2.78E-04	7.60E-04	2.48E-04	6.88E-05	1.35E-04	8.13E-05	5.33E-05	7.54E-05	3.71E-05
2380	565491.3	4221628	0.000522	0.000691	2.47E-04	2.77E-04	7.57E-04	2.47E-04	6.86E-05	1.35E-04	8.10E-05	5.31E-05	7.51E-05	3.69E-05
2381	565481.4	4221628	0.00052	0.000688	2.47E-04	2.76E-04	7.55E-04	2.47E-04	6.84E-05	1.34E-04	8.07E-05	5.29E-05	7.49E-05	3.68E-05
2382	565238.2	4222232	0.013637	0.018035	6.46E-03	7.23E-03	1.98E-02	6.46E-03	1.79E-03	3.52E-03	2.11E-03	1.39E-03	1.96E-03	9.64E-04
2383	565236.9	4222248	0.01581	0.020909	7.49E-03	8.38E-03	2.29E-02	7.49E-03	2.08E-03	4.08E-03	2.45E-03	1.61E-03	2.27E-03	1.12E-03
2384	565239.1	4222266	0.018367	0.02429	8.70E-03	9.74E-03	2.66E-02	8.70E-03	2.41E-03	4.74E-03	2.85E-03	1.87E-03	2.64E-03	1.30E-03
2385	565240.2	4222275	0.01943	0.025696	9.21E-03	1.03E-02	2.82E-02	9.21E-03	2.55E-03	5.02E-03	3.01E-03	1.97E-03	2.79E-03	1.37E-03
2386	565241.3	4222284	0.020276	0.026815	9.61E-03	1.08E-02	2.94E-02	9.61E-03	2.66E-03	5.24E-03	3.14E-03	2.06E-03	2.92E-03	1.43E-03
2387	565242.4	4222293	0.02088	0.027613	9.89E-03	1.11E-02	3.03E-02	9.89E-03	2.74E-03	5.39E-03	3.24E-03	2.12E-03	3.00E-03	1.48E-03
2388	565243.5	4222302	0.021237	0.028086	1.01E-02	1.13E-02	3.08E-02	1.01E-02	2.79E-03	5.49E-03	3.29E-03	2.16E-03	3.05E-03	1.50E-03
2389	565228.4	4222233	0.012938	0.01711	6.13E-03	6.86E-03	1.88E-02	6.13E-03	1.70E-03	3.34E-03	2.01E-03	1.31E-03	1.86E-03	9.15E-04
2390	565233.2	4222217	0.011441	0.01513	5.42E-03	6.07E-03	1.66E-02	5.42E-03	1.50E-03	2.96E-03	1.77E-03	1.16E-03	1.65E-03	8.09E-04
2391	565227.1	4222249	0.014707	0.01945	6.97E-03	7.80E-03	2.13E-02	6.97E-03	1.93E-03	3.80E-03	2.28E-03	1.49E-03	2.12E-03	1.04E-03
2392	565228.2	4222258	0.015774	0.02086	7.47E-03	8.36E-03	2.29E-02	7.47E-03	2.07E-03	4.07E-03	2.45E-03	1.60E-03	2.27E-03	1.12E-03
2393	565229.3	4222267	0.016753	0.022155	7.94E-03	8.88E-03	2.43E-02	7.94E-03	2.20E-03	4.33E-03	2.60E-03	1.70E-03	2.41E-03	1.18E-03
2394	565230.4	4222276	0.017596	0.023271	8.34E-03	9.33E-03	2.55E-02	8.34E-03	2.31E-03	4.55E-03	2.73E-03	1.79E-03	2.53E-03	1.24E-03
2395	565231.5	4222285	0.01827	0.024161	8.66E-03	9.69E-03	2.65E-02	8.66E-03	2.40E-03	4.72E-03	2.83E-03	1.86E-03	2.63E-03	1.29E-03
2396	565233.7	4222303	0.019037	0.025177	9.02E-03	1.01E-02	2.76E-02	9.02E-03	2.50E-03	4.92E-03	2.95E-03	1.93E-03	2.74E-03	1.35E-03
2397	565218.7	4222234	0.01227	0.016227	5.81E-03	6.51E-03	1.78E-02	5.81E-03	1.61E-03	3.17E-03	1.90E-03	1.25E-03	1.77E-03	8.68E-04
2398	565223.5	4222219	0.011017	0.01457	5.22E-03	5.84E-03	1.60E-02	5.22E-03	1.45E-03	2.85E-03	1.71E-03	1.12E-03	1.58E-03	7.79E-04
2399	565228.3	4222203	0.009678	0.012799	4.59E-03	5.13E-03	1.40E-02	4.59E-03	1.27E-03	2.50E-03	1.50E-03	9.84E-04	1.39E-03	6.84E-04
2400	565217.4	4222251	0.013724	0.01815	6.50E-03	7.28E-03	1.99E-02	6.50E-03	1.80E-03	3.55E-03	2.13E-03	1.39E-03	1.97E-03	9.71E-04
2401	565218.5	4222260	0.014595	0.019302	6.91E-03	7.74E-03	2.12E-02	6.91E-03	1.92E-03	3.77E-03	2.26E-03	1.48E-03	2.10E-03	1.03E-03
2402	565219.6	4222269	0.015387	0.020349	7.29E-03	8.16E-03	2.23E-02	7.29E-03	2.02E-03	3.98E-03	2.39E-03	1.56E-03	2.21E-03	1.09E-03
2403	565220.6	4222278	0.016066	0.021247	7.61E-03	8.52E-03	2.33E-02	7.61E-03	2.11E-03	4.15E-03	2.49E-03	1.63E-03	2.31E-03	1.14E-03
2404	565221.7	4222286	0.016607	0.021963	7.87E-03	8.80E-03	2.41E-02	7.87E-03	2.18E-03	4.29E-03	2.57E-03	1.69E-03	2.39E-03	1.17E-03
2405	565222.8	4222295	0.016995	0.022476	8.05E-03	9.01E-03	2.46E-02	8.05E-03	2.23E-03	4.39E-03	2.63E-03	1.73E-03	2.44E-03	1.20E-03
2406	565223.9	4222304	0.017221	0.022774	8.16E-03	9.13E-03	2.50E-02	8.16E-03	2.26E-03	4.45E-03	2.67E-03	1.75E-03	2.48E-03	1.22E-03
2407	565208.9	4222235	0.011638	0.015391	5.51E-03	6.17E-03	1.69E-02	5.51E-03	1.53E-03	3.01E-03	1.80E-03	1.18E-03	1.67E-03	8.23E-04
2408	565213.7	4222220	0.010589	0.014003	5.02E-03	5.61E-03	1.54E-02	5.02E-03	1.39E-03	2.74E-03	1.64E-03	1.08E-03	1.52E-03	7.49E-04
2409	565218.5	4222204	0.009422	0.012461	4.46E-03	5.00E-03	1.37E-02	4.46E-03	1.24E-03	2.43E-03	1.46E-03	9.58E-04	1.36E-03	6.66E-04
2410	565223.3	4222189	0.008263	0.010927	3.91E-03	4.38E-03	1.20E-02	3.91E-03	1.09E-03	2.13E-03	1.28E-03	8.40E-04	1.19E-03	5.84E-04
2411	565233	4222178	0.007594	0.010043	3.60E-03	4.03E-03	1.10E-02	3.60E-03	9.97E-04	1.96E-03	1.18E-03	7.72E-04	1.09E-03	5.37E-04
2412	565207.6	4222252	0.012843	0.016985	6.08E-03	6.81E-03	1.86E-02	6.08E-03	1.69E-03	3.32E-03	1.99E-03	1.31E-03	1.85E-03	9.08E-04
2413	565208.7	4222261	0.013564	0.017938	6.43E-03	7.19E-03	1.97E-02	6.43E-03	1.78E-03	3.50E-03	2.10E-03	1.38E-03	1.95E-03	9.59E-04
2414	565210.9	4222279	0.014766	0.019528	7.00E-03	7.83E-03	2.14E-02	7.00E-03	1.94E-03	3.81E-03	2.29E-03	1.50E-03	2.12E-03	1.04E-03
2415	565212	4222288	0.015205	0.020108	7.20E-03	8.06E-03	2.20E-02	7.20E-03	2.00E-03	3.93E-03	2.36E-03	1.55E-03	2.19E-03	1.08E-03
2416	565213.1	4222297	0.015517	0.020521	7.35E-03	8.23E-03	2.25E-02	7.35E-03	2.04E-03	4.01E-03	2.41E-03	1.58E-03	2.23E-03	1.10E-03
2417	565214.2	4222306	0.015696	0.020758	7.44E-03	8.32E-03	2.28E-02	7.44E-03	2.06E-03	4.06E-03	2.43E-03	1.60E-03	2.26E-03	1.11E-03
2418	565199.1	4222236	0.011044	0.014606	5.23E-03	5.86E-03	1.60E-02	5.23E-03	1.45E-03	2.85E-03	1.71E-03	1.12E-03	1.59E-03	7.81E-04
2419	565203.9	4222221	0.010164	0.013442	4.82E-03	5.39E-03	1.47E-02	4.82E-03	1.33E-03	2.63E-03	1.58E-03	1.03E-03	1.46E-03	7.19E-04
2420	565208.7	4222206	0.009151	0.012102	4.34E-03	4.85E-03	1.33E-02	4.34E-03	1.20E-03	2.36E-03	1.42E-03	9.30E-04	1.32E-03	6.47E-04
2421	565213.5	4222190	0.008109	0.010724	3.84E-03	4.30E-03	1.18E-02	3.84E-03	1.06E-03	2.09E-03	1.26E-03	8.24E-04	1.17E-03	5.74E-04
2422	565225.7	4222171	0.007008	0.009268	3.32E-03	3.72E-03	1.02E-02	3.32E-03	9.20E-04	1.81E-03	1.09E-03	7.12E-04	1.01E-03	4.96E-04
2423	565197.8	4222253	0.012049	0.015934	5.71E-03	6.39E-03	1.75E-02	5.71E-03	1.58E-03	3.11E-03	1.87E-03	1.22E-03	1.73E-03	8.52E-04
2424	565198.9	4222262	0.012651	0.016731	5.99E-03	6.71E-03	1.83E-02	5.99E-03	1.66E-03	3.27E-03	1.96E-03	1.29E-03	1.82E-03	8.95E-04
2425	565200	4222271	0.013188	0.017441	6.25E-03	6.99E-03	1.91E-02	6.25E-03	1.73E-03	3.41E-03	2.04E-03	1.34E-03	1.90E-03	9.33E-04
2426	565201.1	4222280	0.013642	0.018042	6.46E-03	7.23E-03	1.98E-02	6.46E-03	1.79E-03	3.52E-03	2.11E-03	1.39E-03	1.96E-03	9.65E-04
2427	565202.2	4222289	0.014	0.018515	6.63E-03	7.42E-03	2.03E-02	6.63E-03	1.84E-03	3.62E-03	2.17E-03	1.42E-03	2.01E-03	9.90E-04
2428	565203.3	4222298	0.014253	0.01885	6.75E-03	7.56E-03	2.07E-02	6.75E-03	1.87E-03	3.68E-03	2.21E-03	1.45E-03	2.05E-03	1.01E-03
2429	565189.6	4222237	0.010453	0.013823	4.95E-03	5.54E-03	1.52E-02	4.95E-03	1.37E-03	2.70E-03	1.62E-03	1.06E-03	1.50E-03	7.39E-04
2430	565195	4222220	0.009611	0.01271	4.55E-03	5.10E-03	1.39E-02	4.55E-03	1.26E-03	2.48E-03	1.49E-03	9.77E-04	1.38E-03	6.80E-04
2431	565202.9	4222194	0.008095	0.010706	3.84E-03	4.29E-03	1.17E-02	3.84E-03	1.06E-03	2.09E-03	1.25E-03	8.23E-04	1.16E-03	5.73E-04
2432	565208.3	4222177	0.007077	0.009359	3.35E-03	3.75E-03	1.03E-02	3.35E-03	9.29E-04	1.83E-03	1.10E-03	7.19E-04	1.02E-03	5.00E-04
2433	565219.1	4222165	0.006482	0.008572	3.07E-03	3.44E-03	9.40E-03	3.07E-03	8.51E-04	1.67E-03	1.00E-03	6.59E-04	9.32E-04	4.58E-04
2434	565187	4222245	0.010781	0.014257	5.11E-03	5.72E-03	1.56E-02	5.11E-03	1.42E-03	2.79E-03	1.67E-03	1.10E-03	1.55E-03	7.62E-04
2435	565189.2	4222263	0.011837	0.015655	5.61E-03	6.28E-03	1.72E-02	5.61E-03	1.55E-03	3.06E-03	1.84E-03	1.20E-03	1.70E-03	8.37E-04
2436	565190.3	4222272	0.012285	0.016247	5.82E-03	6.51E-03	1.78E-02	5.82E-03	1.61E-03	3.17E-03	1.90E-03	1.25E-03	1.77E-03	8.69E-04
2437	565191.3	4222281	0.012661	0.016744	6.00E-03	6.71E-03	1.84E-02	6.00E-03	1.66E-03	3.27E-03	1.96E-03	1.29E-03	1.82E-03	8.95E-04
2438	565192.4	4222290	0.012955	0.017133	6.14E-03	6.87E-03	1.88E-02	6.14E-03	1.70E-03	3.35E-03	2.01E-03	1.32E-03	1.86E-03	9.16E-04
2439	565193.5	4222299	0.01316	0.017404	6.23E-03	6.98E-03	1.91E-02	6.23E-03	1.73E-03	3.40E-03	2.04E-03	1.34E-03	1.89E-03	9.31E-04
2440	565194.6	4222308	0.013272	0.017552	6.29E-03	7.04E-03	1.92E-02	6.29E-03	1.74E-03	3.43E-03	2.06E-03	1.35E-03	1.91E-03	9.39E-04
2441	565179.9	4222238	0.009942	0.013149	4.71E-03	5.27E-03	1.44E-02	4.71E-03	1.31E-03	2.57E-03	1.54E-03	1.01E-03	1.43E-03	7.03E-04
2442	565185.1	4222221	0.009241	0.012221	4.38E-03	4.90E-03	1.34E-02	4.38E-03	1.21E-03	2.39E-03	1.43E-03	9.39E-04	1.33E-03	6.54E-04
2443	565190.4	4222204	0.008384	0.011087	3.97E-03	4.45E-03	1.22E-02	3.97E-03	1.10E-03	2.17E-03	1.30E-03	8.52E-04	1.21E-03	5.93E-04
2444	565195.7	4222187	0.007464	0.00987	3.54E-03	3.96E-03	1.08E-02	3.54E-03	9.80E-04	1.93E-03	1.16E-03	7.58E-04	1.07E-03	5.28E-04
2445	565200.9	4222170	0.006561	0.008676	3.11E-03	3.48E-03	9.51E-03	3.11E-03	8.62E-04	1.69E-03	1.02E-03	6.67E-04	9.44E-04	4.64E-04
2446	565211.6	4222158	0.00603	0.007974	2.86E-03	3.20E-03	8.74E-03	2.86E-03	7.92E-04	1.56E-03	9.35E-04	6.13E-04	8.67E-04	4.26E-04
2447	565227.8	4222151	0.005782	0.007646	2.74E-03	3.07E-03	8.38E-03	2.74E-03	7.59E-04	1.49E-03	8.96E-04	5.88E-04	8.32E-04	4.09E-04
2448	565178.3	4222255	0.010679	0.014123	5.06E-03	5.66E-03	1.55E-02	5.06E-03	1.40E-03	2.76E-03	1.66E-03	1.09E-03	1.54E-03	7.55E-04
2449	565179.4	4222264	0.011108	0.01469	5.26E-03	5.89E-03	1.61E-02	5.26E-03	1.46E-03	2.87E-03	1.72E-03	1.13E-03	1.60E-03	7.86E-04
2450	565180.5	4222273	0.011484	0.015187	5.44E-03	6.09E-03	1.66E-02	5.44E-03	1.51E-03	2.97E-03	1.78E-03	1.17E-03	1.65E-03	8.12E-04
2451	565181.6	4222282	0.011797	0.015602	5.59E-03	6.25E-03	1.71E-02	5.59E-03	1.55E-03	3.05E-03	1.83E-03	1.20E-03	1.70E-03	8.34E-04
2452	565183.8	4222300	0.012207	0.016143	5.78E-03	6.47E-03	1.77E-02	5.78E-03	1.60E-03	3.15E-03	1.89E-03	1.24E-03	1.76E-03	8.63E-04
2453	565184.9	4222309	0.012295	0.01626	5.82E-03	6.52E-03	1.78E-02	5.82E-03	1.61E-03	3.18E-03	1.91E-03	1.25E-03	1.77E-03	8.69E-04
2454	565170.1	4222239	0.009464	0.012516	4.48E-03	5.02E-03	1.37E-02	4.48E-03	1.24E-03	2.44E-03	1.47E-03	9.62E-04	1.36E-03	6.69E-04

2455	565175.3	4222222	0.008879	0.011742	4.21E-03	4.71E-03	1.29E-02	4.21E-03	1.17E-03	2.29E-03	1.38E-03	9.02E-04	1.28E-03	6.28E-04
2456	565180.5	4222206	0.008141	0.010766	3.86E-03	4.32E-03	1.18E-02	3.86E-03	1.07E-03	2.10E-03	1.26E-03	8.27E-04	1.17E-03	5.76E-04
2457	565185.7	4222189	0.007325	0.009687	3.47E-03	3.88E-03	1.06E-02	3.47E-03	9.62E-04	1.89E-03	1.14E-03	7.44E-04	1.05E-03	5.18E-04
2458	565191	4222172	0.006502	0.008598	3.08E-03	3.45E-03	9.43E-03	3.08E-03	8.54E-04	1.68E-03	1.01E-03	6.61E-04	9.35E-04	4.60E-04
2459	565204.2	4222152	0.005627	0.007442	2.67E-03	2.98E-03	8.16E-03	2.67E-03	7.39E-04	1.45E-03	8.72E-04	5.72E-04	8.09E-04	3.98E-04
2460	565220.2	4222144	0.005403	0.007145	2.56E-03	2.86E-03	7.83E-03	2.56E-03	7.10E-04	1.40E-03	8.38E-04	5.49E-04	7.77E-04	3.82E-04
2461	565171.8	4222283	0.011029	0.014585	5.22E-03	5.85E-03	1.60E-02	5.22E-03	1.45E-03	2.85E-03	1.71E-03	1.12E-03	1.59E-03	7.80E-04
2462	565172.9	4222292	0.01123	0.014851	5.32E-03	5.95E-03	1.63E-02	5.32E-03	1.47E-03	2.90E-03	1.74E-03	1.14E-03	1.62E-03	7.94E-04
2463	565174	4222301	0.011365	0.015031	5.38E-03	6.03E-03	1.65E-02	5.38E-03	1.49E-03	2.94E-03	1.76E-03	1.15E-03	1.63E-03	8.04E-04
2464	565175.1	4222310	0.011434	0.015121	5.42E-03	6.06E-03	1.66E-02	5.42E-03	1.50E-03	2.95E-03	1.77E-03	1.16E-03	1.64E-03	8.09E-04
2465	565170.7	4222207	0.007892	0.010437	3.74E-03	4.18E-03	1.14E-02	3.74E-03	1.04E-03	2.04E-03	1.22E-03	8.02E-04	1.14E-03	5.58E-04
2466	565175.8	4222190	0.00717	0.009482	3.40E-03	3.80E-03	1.04E-02	3.40E-03	9.42E-04	1.85E-03	1.11E-03	7.29E-04	1.03E-03	5.07E-04
2467	565181	4222174	0.006422	0.008493	3.04E-03	3.41E-03	9.31E-03	3.04E-03	8.43E-04	1.66E-03	9.96E-04	6.53E-04	9.24E-04	4.54E-04
2468	565186.2	4222157	0.005698	0.007535	2.70E-03	3.02E-03	8.26E-03	2.70E-03	7.48E-04	1.47E-03	8.83E-04	5.79E-04	8.20E-04	4.03E-04
2469	565196.8	4222145	0.005267	0.006965	2.50E-03	2.79E-03	7.64E-03	2.50E-03	6.92E-04	1.36E-03	8.16E-04	5.35E-04	7.58E-04	3.72E-04
2470	565212.7	4222138	0.005062	0.006695	2.40E-03	2.68E-03	7.34E-03	2.40E-03	6.65E-04	1.31E-03	7.85E-04	5.14E-04	7.28E-04	3.58E-04
2471	565228.6	4222131	0.004829	0.006386	2.29E-03	2.56E-03	7.00E-03	2.29E-03	6.34E-04	1.25E-03	7.49E-04	4.91E-04	6.95E-04	3.41E-04
2472	565150.5	4222242	0.008596	0.011369	4.07E-03	4.56E-03	1.25E-02	4.07E-03	1.13E-03	2.22E-03	1.33E-03	8.74E-04	1.24E-03	6.08E-04
2473	565171.1	4222175	0.006327	0.008368	3.00E-03	3.35E-03	9.17E-03	3.00E-03	8.31E-04	1.63E-03	9.81E-04	6.43E-04	9.10E-04	4.47E-04
2474	565176.3	4222159	0.005656	0.00748	2.68E-03	3.00E-03	8.20E-03	2.68E-03	7.43E-04	1.46E-03	8.77E-04	5.75E-04	8.14E-04	4.00E-04
2475	565189.4	4222139	0.004942	0.006535	2.34E-03	2.62E-03	7.16E-03	2.34E-03	6.49E-04	1.28E-03	7.66E-04	5.02E-04	7.11E-04	3.49E-04
2476	565205.2	4222131	0.004756	0.00629	2.25E-03	2.52E-03	6.89E-03	2.25E-03	6.25E-04	1.23E-03	7.37E-04	4.83E-04	6.84E-04	3.36E-04
2477	565221	4222124	0.004543	0.006009	2.15E-03	2.41E-03	6.59E-03	2.15E-03	5.97E-04	1.17E-03	7.04E-04	4.62E-04	6.54E-04	3.21E-04
2478	565149	4222259	0.00904	0.011955	4.28E-03	4.79E-03	1.31E-02	4.28E-03	1.19E-03	2.34E-03	1.40E-03	9.19E-04	1.30E-03	6.39E-04
2479	565150.1	4222268	0.009308	0.012309	4.41E-03	4.93E-03	1.35E-02	4.41E-03	1.22E-03	2.40E-03	1.44E-03	9.46E-04	1.34E-03	6.58E-04
2480	565151.2	4222277	0.009537	0.012612	4.52E-03	5.06E-03	1.38E-02	4.52E-03	1.25E-03	2.46E-03	1.48E-03	9.69E-04	1.37E-03	6.74E-04
2481	565152.3	4222286	0.009722	0.012858	4.61E-03	5.15E-03	1.41E-02	4.61E-03	1.28E-03	2.51E-03	1.51E-03	9.88E-04	1.40E-03	6.88E-04
2482	565153.4	4222295	0.009861	0.013041	4.67E-03	5.23E-03	1.43E-02	4.67E-03	1.30E-03	2.55E-03	1.53E-03	1.00E-03	1.42E-03	6.97E-04
2483	565155.6	4222313	0.009991	0.013212	4.73E-03	5.30E-03	1.45E-02	4.73E-03	1.31E-03	2.58E-03	1.55E-03	1.02E-03	1.44E-03	7.07E-04
2484	565140.7	4222243	0.008203	0.010849	3.89E-03	4.35E-03	1.19E-02	3.89E-03	1.08E-03	2.12E-03	1.27E-03	8.34E-04	1.18E-03	5.80E-04
2485	565145.9	4222226	0.007862	0.010397	3.72E-03	4.17E-03	1.14E-02	3.72E-03	1.03E-03	2.03E-03	1.22E-03	7.99E-04	1.13E-03	5.56E-04
2486	565151	4222210	0.007389	0.009772	3.50E-03	3.92E-03	1.07E-02	3.50E-03	9.70E-04	1.91E-03	1.15E-03	7.51E-04	1.06E-03	5.23E-04
2487	565171.5	4222144	0.005003	0.006616	2.37E-03	2.65E-03	7.25E-03	2.37E-03	6.57E-04	1.29E-03	7.76E-04	5.08E-04	7.20E-04	3.54E-04
2488	565181.9	4222132	0.004646	0.006145	2.20E-03	2.46E-03	6.74E-03	2.20E-03	6.10E-04	1.20E-03	7.20E-04	4.72E-04	6.68E-04	3.29E-04
2489	565197.7	4222125	0.004479	0.005923	2.12E-03	2.37E-03	6.49E-03	2.12E-03	5.88E-04	1.16E-03	6.94E-04	4.55E-04	6.44E-04	3.17E-04
2490	565139.2	4222260	0.008579	0.011346	4.06E-03	4.55E-03	1.24E-02	4.06E-03	1.13E-03	2.22E-03	1.33E-03	8.72E-04	1.23E-03	6.07E-04
2491	565140.3	4222269	0.00881	0.011651	4.17E-03	4.67E-03	1.28E-02	4.17E-03	1.16E-03	2.28E-03	1.37E-03	8.95E-04	1.27E-03	6.23E-04
2492	565141.4	4222278	0.009005	0.011909	4.27E-03	4.77E-03	1.31E-02	4.27E-03	1.18E-03	2.33E-03	1.40E-03	9.15E-04	1.30E-03	6.37E-04
2493	565142.5	4222287	0.009162	0.012117	4.34E-03	4.86E-03	1.33E-02	4.34E-03	1.20E-03	2.37E-03	1.42E-03	9.31E-04	1.32E-03	6.48E-04
2494	565143.6	4222296	0.009277	0.012269	4.40E-03	4.92E-03	1.34E-02	4.40E-03	1.22E-03	2.40E-03	1.44E-03	9.43E-04	1.33E-03	6.56E-04
2495	565144.7	4222305	0.00935	0.012365	4.43E-03	4.96E-03	1.36E-02	4.43E-03	1.23E-03	2.42E-03	1.45E-03	9.50E-04	1.34E-03	6.61E-04
2496	565145.8	4222314	0.009379	0.012404	4.44E-03	4.97E-03	1.36E-02	4.44E-03	1.23E-03	2.42E-03	1.45E-03	9.53E-04	1.35E-03	6.63E-04
2497	565130.9	4222244	0.007835	0.010361	3.71E-03	4.15E-03	1.14E-02	3.71E-03	1.03E-03	2.02E-03	1.21E-03	7.96E-04	1.13E-03	5.54E-04
2498	565136.1	4222228	0.00755	0.009985	3.58E-03	4.00E-03	1.09E-02	3.58E-03	9.92E-04	1.95E-03	1.17E-03	7.67E-04	1.09E-03	5.34E-04
2499	565141.2	4222211	0.007143	0.009446	3.38E-03	3.79E-03	1.04E-02	3.38E-03	9.38E-04	1.85E-03	1.11E-03	7.26E-04	1.03E-03	5.05E-04
2500	565151.4	4222178	0.006094	0.00806	2.89E-03	3.23E-03	8.84E-03	2.89E-03	8.00E-04	1.57E-03	9.45E-04	6.19E-04	8.77E-04	4.31E-04
2501	565174.5	4222126	0.004378	0.00579	2.07E-03	2.32E-03	6.35E-03	2.07E-03	5.75E-04	1.13E-03	6.79E-04	4.45E-04	6.30E-04	3.10E-04
2502	565129.5	4222261	0.008154	0.010783	3.86E-03	4.32E-03	1.18E-02	3.86E-03	1.07E-03	2.11E-03	1.26E-03	8.29E-04	1.17E-03	5.77E-04
2503	565130.6	4222270	0.008353	0.011047	3.96E-03	4.43E-03	1.21E-02	3.96E-03	1.10E-03	2.16E-03	1.29E-03	8.49E-04	1.20E-03	5.91E-04
2504	565131.7	4222279	0.00852	0.011268	4.04E-03	4.52E-03	1.24E-02	4.04E-03	1.12E-03	2.20E-03	1.32E-03	8.66E-04	1.23E-03	6.03E-04
2505	565133.8	4222297	0.008749	0.01157	4.14E-03	4.64E-03	1.27E-02	4.14E-03	1.15E-03	2.26E-03	1.36E-03	8.89E-04	1.26E-03	6.19E-04
2506	565134.9	4222306	0.008807	0.011647	4.17E-03	4.67E-03	1.28E-02	4.17E-03	1.16E-03	2.28E-03	1.37E-03	8.95E-04	1.27E-03	6.23E-04
2507	565136	4222315	0.008827	0.011673	4.18E-03	4.68E-03	1.28E-02	4.18E-03	1.16E-03	2.28E-03	1.37E-03	8.97E-04	1.27E-03	6.24E-04
2508	565121.2	4222245	0.007489	0.009905	3.55E-03	3.97E-03	1.09E-02	3.55E-03	9.84E-04	1.93E-03	1.16E-03	7.61E-04	1.08E-03	5.30E-04
2509	565126.3	4222229	0.00725	0.009588	3.43E-03	3.84E-03	1.05E-02	3.43E-03	9.52E-04	1.87E-03	1.12E-03	7.37E-04	1.04E-03	5.13E-04
2510	565131.3	4222213	0.006902	0.009127	3.27E-03	3.66E-03	1.00E-02	3.27E-03	9.06E-04	1.78E-03	1.07E-03	7.01E-04	9.93E-04	4.88E-04
2511	565141.5	4222180	0.005964	0.007888	2.83E-03	3.16E-03	8.65E-03	2.83E-03	7.83E-04	1.54E-03	9.25E-04	6.06E-04	8.58E-04	4.22E-04
2512	565146.6	4222164	0.005449	0.007206	2.58E-03	2.89E-03	7.90E-03	2.58E-03	7.16E-04	1.41E-03	8.45E-04	5.54E-04	7.84E-04	3.85E-04
2513	565151.7	4222147	0.004932	0.006522	2.34E-03	2.61E-03	7.15E-03	2.34E-03	6.48E-04	1.27E-03	7.65E-04	5.01E-04	7.09E-04	3.49E-04
2514	565214	4222098	0.00366	0.00484	1.73E-03	1.94E-03	5.31E-03	1.73E-03	4.81E-04	9.45E-04	5.67E-04	3.72E-04	5.26E-04	2.59E-04
2515	565119.7	4222263	0.007761	0.010263	3.68E-03	4.11E-03	1.13E-02	3.68E-03	1.02E-03	2.00E-03	1.20E-03	7.89E-04	1.12E-03	5.49E-04
2516	565120.8	4222271	0.007933	0.010491	3.76E-03	4.21E-03	1.15E-02	3.76E-03	1.04E-03	2.05E-03	1.23E-03	8.06E-04	1.14E-03	5.61E-04
2517	565121.9	4222280	0.008076	0.010681	3.83E-03	4.28E-03	1.17E-02	3.83E-03	1.06E-03	2.09E-03	1.25E-03	8.21E-04	1.16E-03	5.71E-04
2518	565123	4222289	0.008188	0.010829	3.88E-03	4.34E-03	1.19E-02	3.88E-03	1.08E-03	2.12E-03	1.27E-03	8.32E-04	1.18E-03	5.79E-04
2519	565124.1	4222298	0.008268	0.010934	3.92E-03	4.38E-03	1.20E-02	3.92E-03	1.09E-03	2.14E-03	1.28E-03	8.40E-04	1.19E-03	5.85E-04
2520	565125.2	4222307	0.008314	0.010995	3.94E-03	4.41E-03	1.21E-02	3.94E-03	1.09E-03	2.15E-03	1.29E-03	8.45E-04	1.20E-03	5.88E-04
2521	565126.3	4222316	0.008327	0.011012	3.94E-03	4.41E-03	1.21E-02	3.94E-03	1.09E-03	2.15E-03	1.29E-03	8.46E-04	1.20E-03	5.89E-04
2522	565111.4	4222247	0.007166	0.009476	3.39E-03	3.80E-03	1.04E-02	3.39E-03	9.41E-04	1.85E-03	1.11E-03	7.28E-04	1.03E-03	5.07E-04
2523	565116.5	4222230	0.006964	0.00921	3.30E-03	3.69E-03	1.01E-02	3.30E-03	9.15E-04	1.80E-03	1.08E-03	7.08E-04	1.00E-03	4.93E-04
2524	565121.5	4222214	0.006663	0.008812	3.16E-03	3.53E-03	9.66E-03	3.16E-03	8.75E-04	1.72E-03	1.03E-03	6.77E-04	9.58E-04	4.71E-04
2525	565126.6	4222198	0.006276	0.0083	2.97E-03	3.33E-03	9.10E-03	2.97E-03	8.24E-04	1.62E-03	9.73E-04	6.38E-04	9.03E-04	4.44E-04
2526	565131.7	4222181	0.00583	0.00771	2.76E-03	3.09E-03	8.45E-03	2.76E-03	7.66E-04	1.51E-03	9.04E-04	5.93E-04	8.39E-04	4.12E-04
2527	565136.7	4222165	0.005359	0.007087	2.54E-03	2.84E-03	7.77E-03	2.54E-03	7.04E-04	1.38E-03	8.31E-04	5.45E-04	7.71E-04	3.79E-04
2528	565141.8	4222149	0.004881	0.006455	2.31E-03	2.59E-03	7.08E-03	2.31E-03	6.41E-04	1.26E-03	7.57E-04	4.96E-04	7.02E-04	3.45E-04
2529	565146.9	4222132	0.004413	0.005836	2.09E-03	2.34E-03	6.40E-03	2.09E-03	5.80E-04	1.14E-03	6.84E-04	4.48E-04	6.35E-04	3.12E-04
2530	565190.9	4222099	0.003636	0.004808	1.72E-03	1.93E-03	5.27E-03	1.72E-03	4.77E-04	9.39E-04	5.64E-04	3.69E-04	5.23E-04	2.57E-04
2531	565206.4	4222091	0.003477	0.004598	1.65E-03	1.84E-03	5.04E-03	1.65E-03	4.57E-04	8.98E-04	5.39E-04	3.53E-04	5.00E-04	2.46E-04
2532	565222	4222084	0.003313	0.004381	1.57E-03	1.76E-03	4.80E-03	1.57E-03	4.35E-04	8.56E-04	5.13E-04	3.37E-04	4.76E-04	2.34E-04
2533	565109.9	4222264	0.007395	0.00978	3.50E-03	3.92E-03	1.07E-02	3.50E-03	9.71E-04	1.91E-03	1.15E-03	7.52E-04	1.06E-03	5.23E-04
2534	565111	4222273	0.007545	0.009978	3.57E-03	4.00E-03	1.09E-02	3.57E-03	9.91E-04	1.95E-03	1.17E-03	7.67E-04	1.09E-03	5.34E-04
2535	565112.1	4222282	0.007667	0.01014	3.63E-03	4.07E-03	1.11E-02	3.63E-03	1.01E-03	1.98E-03	1.19E-03	7.79E-04	1.10E-03	5.42E-04
2536	565113.2	4222291	0.007762	0.010266	3.68E-03	4.12E-03	1.13E-02	3.68E-03	1.02E-03	2.01E-03	1.20E-03	7.89E-04	1.12E-03	5.49E-04
2537	565114.3	4222300	0.007828	0.010353	3.71E-03	4.15E-03	1.13E-02	3.71E-03	1.03E-03	2.02E-03	1.21E-03	7.96E-04	1.13E-03	5.54E-04
2538	565115.4	4222309	0.007864	0.0104	3.73E-03	4.17E-03	1.14E-02	3.73E-03	1.03E-03	2.03E-03	1.22E-03	7.99E-04	1.13E-03	5.56E-04
2539	565116.5	4222317	0.00787	0.010409	3.73E-03	4.17E-03	1.14E-02	3.73E-03	1.03E-03	2.03E-03	1.22E-03	8.00E-04	1.13E-03	5.57E-04
2540	565101.8	4222247	0.006857	0.009068	3.25E-03	3.64E-03	9.94E-03	3.25E-03	9.01E-04	1.77E-03	1.06E-03	6.97E-04	9.86E-04	4.85E-04
2541	565104.4	4222239	0.006779	0.008965	3.21E-03	3.59E-03	9.83E-03	3.21E-03	8.90E-04	1.75E-03	1.05E-03	6.89E-04	9.75E-04	4.79E-04
2542	565109.8	4222222	0.006541	0.008651	3.10E-03	3.47E-03	9.48E-03	3.10E-03	8.59E-04	1.69E-03	1.01E-03	6.65E-04	9.41E-04	4.63E-04
2543	565115.1	4222204	0.006212	0.008215	2.94E-03	3.29E-03	9.01E-03	2.94E-03	8.16E-04	1.60E-03	9.63E-04	6.31E-04	8.94E-04	4.39E-04
2544	565123.2	4222178	0.005586	0.007387	2.65E-03	2.96E-03	8.10E-03	2.65E-03	7.34E-04	1.44E-03	8.66E-04	5.68E-04	8.03E-04	3.95E-04
2545	565128.5	4222161	0.005123	0.006775	2.43E-03	2.72E-03	7.43E-03	2.43E-03	6.73E-04	1.32E-03	7.94E-04	5.21E-04	7.37E-04	3.62E-04

2546	565133.9	4222144	0.004653	0.006154	2.20E-03	2.47E-03	6.75E-03	2.20E-03	6.11E-04	1.20E-03	7.21E-04	4.73E-04	6.69E-04	3.29E-04
2547	565139.2	4222127	0.004197	0.00555	1.99E-03	2.23E-03	6.08E-03	1.99E-03	5.51E-04	1.08E-03	6.51E-04	4.26E-04	6.04E-04	2.97E-04
2548	565177.4	4222095	0.003505	0.004636	1.66E-03	1.86E-03	5.08E-03	1.66E-03	4.60E-04	9.06E-04	5.43E-04	3.56E-04	5.04E-04	2.48E-04
2549	565193.9	4222087	0.003356	0.004438	1.59E-03	1.78E-03	4.87E-03	1.59E-03	4.41E-04	8.67E-04	5.20E-04	3.41E-04	4.83E-04	2.37E-04
2550	565202.1	4222084	0.003276	0.004333	1.55E-03	1.74E-03	4.75E-03	1.55E-03	4.30E-04	8.46E-04	5.08E-04	3.33E-04	4.71E-04	2.32E-04
2551	565218.5	4222076	0.003116	0.004121	1.48E-03	1.65E-03	4.52E-03	1.48E-03	4.09E-04	8.05E-04	4.83E-04	3.17E-04	4.48E-04	2.20E-04
2552	565100.2	4222265	0.007054	0.009328	3.34E-03	3.74E-03	1.02E-02	3.34E-03	9.26E-04	1.82E-03	1.09E-03	7.17E-04	1.01E-03	4.99E-04
2553	565101.3	4222274	0.007184	0.0095	3.40E-03	3.81E-03	1.04E-02	3.40E-03	9.43E-04	1.86E-03	1.11E-03	7.30E-04	1.03E-03	5.08E-04
2554	565102.4	4222283	0.00729	0.009641	3.45E-03	3.87E-03	1.06E-02	3.45E-03	9.57E-04	1.88E-03	1.13E-03	7.41E-04	1.05E-03	5.16E-04
2555	565103.4	4222292	0.007371	0.009748	3.49E-03	3.91E-03	1.07E-02	3.49E-03	9.68E-04	1.90E-03	1.14E-03	7.49E-04	1.06E-03	5.21E-04
2556	565105.6	4222310	0.007452	0.009856	3.53E-03	3.95E-03	1.08E-02	3.53E-03	9.79E-04	1.93E-03	1.16E-03	7.57E-04	1.07E-03	5.27E-04
2557	565106.7	4222319	0.007453	0.009857	3.53E-03	3.95E-03	1.08E-02	3.53E-03	9.79E-04	1.93E-03	1.16E-03	7.57E-04	1.07E-03	5.27E-04
2558	565092	4222249	0.006567	0.008684	3.11E-03	3.48E-03	9.52E-03	3.11E-03	8.62E-04	1.70E-03	1.02E-03	6.67E-04	9.45E-04	4.64E-04
2559	565097.3	4222231	0.006419	0.008489	3.04E-03	3.40E-03	9.31E-03	3.04E-03	8.43E-04	1.66E-03	9.95E-04	6.52E-04	9.23E-04	4.54E-04
2560	565102.6	4222214	0.006172	0.008163	2.92E-03	3.27E-03	8.95E-03	2.92E-03	8.11E-04	1.59E-03	9.57E-04	6.27E-04	8.88E-04	4.37E-04
2561	565107.9	4222197	0.005851	0.007738	2.77E-03	3.10E-03	8.48E-03	2.77E-03	7.68E-04	1.51E-03	9.07E-04	5.95E-04	8.42E-04	4.14E-04
2562	565113.3	4222180	0.005467	0.007229	2.59E-03	2.90E-03	7.93E-03	2.59E-03	7.18E-04	1.41E-03	8.47E-04	5.56E-04	7.86E-04	3.87E-04
2563	565118.6	4222163	0.005045	0.006673	2.39E-03	2.68E-03	7.31E-03	2.39E-03	6.63E-04	1.30E-03	7.82E-04	5.13E-04	7.26E-04	3.57E-04
2564	565123.9	4222146	0.00461	0.006097	2.18E-03	2.44E-03	6.68E-03	2.18E-03	6.05E-04	1.19E-03	7.15E-04	4.69E-04	6.63E-04	3.26E-04
2565	565129.2	4222129	0.004182	0.00553	1.98E-03	2.22E-03	6.06E-03	1.98E-03	5.49E-04	1.08E-03	6.48E-04	4.25E-04	6.01E-04	2.96E-04
2566	565145.4	4222099	0.003524	0.00466	1.67E-03	1.87E-03	5.11E-03	1.67E-03	4.63E-04	9.10E-04	5.46E-04	3.58E-04	5.07E-04	2.49E-04
2567	565169.9	4222088	0.003334	0.004409	1.58E-03	1.77E-03	4.83E-03	1.58E-03	4.38E-04	8.61E-04	5.17E-04	3.39E-04	4.80E-04	2.36E-04
2568	565178	4222085	0.003266	0.004319	1.55E-03	1.73E-03	4.73E-03	1.55E-03	4.29E-04	8.44E-04	5.06E-04	3.32E-04	4.70E-04	2.31E-04
2569	565194.4	4222077	0.003124	0.004132	1.48E-03	1.66E-03	4.53E-03	1.48E-03	4.10E-04	8.07E-04	4.84E-04	3.17E-04	4.49E-04	2.21E-04
2570	565210.7	4222070	0.002976	0.003936	1.41E-03	1.58E-03	4.31E-03	1.41E-03	3.91E-04	7.69E-04	4.61E-04	3.02E-04	4.28E-04	2.10E-04
2571	565218.9	4222066	0.002902	0.003838	1.37E-03	1.54E-03	4.21E-03	1.37E-03	3.81E-04	7.50E-04	4.50E-04	2.95E-04	4.17E-04	2.05E-04
2572	565090.4	4222266	0.006732	0.008904	3.19E-03	3.57E-03	9.76E-03	3.19E-03	8.84E-04	1.74E-03	1.04E-03	6.84E-04	9.68E-04	4.76E-04
2573	565091.5	4222275	0.006845	0.009053	3.24E-03	3.63E-03	9.92E-03	3.24E-03	8.99E-04	1.77E-03	1.06E-03	6.96E-04	9.85E-04	4.84E-04
2574	565092.6	4222284	0.006936	0.009173	3.29E-03	3.68E-03	1.01E-02	3.29E-03	9.11E-04	1.79E-03	1.08E-03	7.05E-04	9.98E-04	4.91E-04
2575	565095.9	4222311	0.00707	0.009351	3.35E-03	3.75E-03	1.03E-02	3.35E-03	9.29E-04	1.83E-03	1.10E-03	7.19E-04	1.02E-03	5.00E-04
2576	565097	4222320	0.007069	0.009348	3.35E-03	3.75E-03	1.02E-02	3.35E-03	9.28E-04	1.83E-03	1.10E-03	7.18E-04	1.02E-03	5.00E-04
2577	565092.8	4222216	0.005968	0.007893	2.83E-03	3.16E-03	8.65E-03	2.83E-03	7.84E-04	1.54E-03	9.25E-04	6.07E-04	8.59E-04	4.22E-04
2578	565095.4	4222207	0.005836	0.007719	2.77E-03	3.09E-03	8.46E-03	2.77E-03	7.66E-04	1.51E-03	9.05E-04	5.93E-04	8.40E-04	4.13E-04
2579	565106	4222173	0.005156	0.006819	2.44E-03	2.73E-03	7.48E-03	2.44E-03	6.77E-04	1.33E-03	7.99E-04	5.24E-04	7.42E-04	3.65E-04
2580	565111.3	4222156	0.004762	0.006297	2.26E-03	2.52E-03	6.90E-03	2.26E-03	6.25E-04	1.23E-03	7.38E-04	4.84E-04	6.85E-04	3.37E-04
2581	565116.6	4222139	0.004358	0.005763	2.06E-03	2.31E-03	6.32E-03	2.06E-03	5.72E-04	1.13E-03	6.76E-04	4.43E-04	6.27E-04	3.08E-04
2582	565121.9	4222122	0.003961	0.005239	1.88E-03	2.10E-03	5.74E-03	1.88E-03	5.20E-04	1.02E-03	6.14E-04	4.03E-04	5.70E-04	2.80E-04
2583	565127.2	4222105	0.003585	0.00474	1.70E-03	1.90E-03	5.20E-03	1.70E-03	4.71E-04	9.26E-04	5.56E-04	3.64E-04	5.16E-04	2.54E-04
2584	565138	4222093	0.003353	0.004435	1.59E-03	1.78E-03	4.86E-03	1.59E-03	4.40E-04	8.66E-04	5.20E-04	3.41E-04	4.82E-04	2.37E-04
2585	565146.1	4222089	0.003297	0.004361	1.56E-03	1.75E-03	4.78E-03	1.56E-03	4.33E-04	8.52E-04	5.11E-04	3.35E-04	4.74E-04	2.33E-04
2586	565170.5	4222078	0.003112	0.004116	1.47E-03	1.65E-03	4.51E-03	1.47E-03	4.09E-04	8.04E-04	4.82E-04	3.16E-04	4.48E-04	2.20E-04
2587	565186.7	4222071	0.002982	0.003943	1.41E-03	1.58E-03	4.32E-03	1.41E-03	3.92E-04	7.70E-04	4.62E-04	3.03E-04	4.29E-04	2.11E-04
2588	565194.8	4222067	0.002915	0.003854	1.38E-03	1.55E-03	4.23E-03	1.38E-03	3.83E-04	7.53E-04	4.52E-04	2.96E-04	4.19E-04	2.06E-04
2589	565211.1	4222060	0.002777	0.003673	1.32E-03	1.47E-03	4.03E-03	1.32E-03	3.65E-04	7.18E-04	4.31E-04	2.82E-04	4.00E-04	1.96E-04
2590	565219.2	4222056	0.00271	0.003583	1.28E-03	1.44E-03	3.93E-03	1.28E-03	3.56E-04	7.00E-04	4.20E-04	2.75E-04	3.90E-04	1.92E-04
2591	565086.1	4222312	0.006718	0.008884	3.18E-03	3.56E-03	9.74E-03	3.18E-03	8.82E-04	1.74E-03	1.04E-03	6.83E-04	9.66E-04	4.75E-04
2592	565087.2	4222321	0.006714	0.008879	3.18E-03	3.56E-03	9.73E-03	3.18E-03	8.82E-04	1.73E-03	1.04E-03	6.82E-04	9.66E-04	4.75E-04
2593	565072.4	4222251	0.006037	0.007984	2.86E-03	3.20E-03	8.75E-03	2.86E-03	7.93E-04	1.56E-03	9.36E-04	6.14E-04	8.68E-04	4.27E-04
2594	565093.5	4222183	0.00522	0.006903	2.47E-03	2.77E-03	7.57E-03	2.47E-03	6.85E-04	1.35E-03	8.09E-04	5.30E-04	7.51E-04	3.69E-04
2595	565098.8	4222166	0.004872	0.006444	2.31E-03	2.58E-03	7.06E-03	2.31E-03	6.40E-04	1.26E-03	7.55E-04	4.95E-04	7.01E-04	3.45E-04
2596	565104	4222149	0.004502	0.005954	2.13E-03	2.39E-03	6.53E-03	2.13E-03	5.91E-04	1.16E-03	6.98E-04	4.58E-04	6.48E-04	3.18E-04
2597	565109.3	4222132	0.004127	0.005457	1.96E-03	2.19E-03	5.98E-03	1.96E-03	5.42E-04	1.07E-03	6.40E-04	4.19E-04	5.94E-04	2.92E-04
2598	565119.8	4222099	0.00341	0.00451	1.62E-03	1.81E-03	4.94E-03	1.62E-03	4.48E-04	8.81E-04	5.29E-04	3.47E-04	4.91E-04	2.41E-04
2599	565130.5	4222086	0.003196	0.004227	1.51E-03	1.69E-03	4.63E-03	1.51E-03	4.20E-04	8.26E-04	4.95E-04	3.25E-04	4.60E-04	2.26E-04
2600	565138.6	4222083	0.003143	0.004157	1.49E-03	1.67E-03	4.56E-03	1.49E-03	4.13E-04	8.12E-04	4.87E-04	3.19E-04	4.52E-04	2.22E-04
2601	565171	4222068	0.00291	0.003848	1.38E-03	1.54E-03	4.22E-03	1.38E-03	3.82E-04	7.52E-04	4.51E-04	2.96E-04	4.19E-04	2.06E-04
2602	565187.1	4222061	0.002787	0.003686	1.32E-03	1.48E-03	4.04E-03	1.32E-03	3.66E-04	7.20E-04	4.32E-04	2.83E-04	4.01E-04	1.97E-04
2603	565195.2	4222057	0.002725	0.003603	1.29E-03	1.44E-03	3.95E-03	1.29E-03	3.58E-04	7.04E-04	4.22E-04	2.77E-04	3.92E-04	1.93E-04
2604	565211.4	4222050	0.002598	0.003436	1.23E-03	1.38E-03	3.77E-03	1.23E-03	3.41E-04	6.71E-04	4.03E-04	2.64E-04	3.74E-04	1.84E-04
2605	565219.5	4222046	0.002536	0.003354	1.20E-03	1.34E-03	3.68E-03	1.20E-03	3.33E-04	6.55E-04	3.93E-04	2.58E-04	3.65E-04	1.79E-04
2606	565070.9	4222268	0.006154	0.008138	2.92E-03	3.26E-03	8.92E-03	2.92E-03	8.08E-04	1.59E-03	9.54E-04	6.25E-04	8.85E-04	4.35E-04
2607	565072	4222277	0.006238	0.008249	2.96E-03	3.31E-03	9.04E-03	2.96E-03	8.19E-04	1.61E-03	9.67E-04	6.34E-04	8.97E-04	4.41E-04
2608	565073.1	4222286	0.006304	0.008337	2.99E-03	3.34E-03	9.14E-03	2.99E-03	8.28E-04	1.63E-03	9.77E-04	6.41E-04	9.07E-04	4.46E-04
2609	565076.3	4222313	0.006393	0.008454	3.03E-03	3.39E-03	9.27E-03	3.03E-03	8.40E-04	1.65E-03	9.91E-04	6.50E-04	9.20E-04	4.52E-04
2610	565062.6	4222252	0.005799	0.00767	2.75E-03	3.07E-03	8.41E-03	2.75E-03	7.62E-04	1.50E-03	8.99E-04	5.89E-04	8.34E-04	4.10E-04
2611	565067.9	4222235	0.005727	0.007574	2.71E-03	3.04E-03	8.30E-03	2.71E-03	7.52E-04	1.48E-03	8.88E-04	5.82E-04	8.24E-04	4.05E-04
2612	565073.1	4222219	0.005581	0.007381	2.64E-03	2.96E-03	8.09E-03	2.64E-03	7.33E-04	1.44E-03	8.65E-04	5.67E-04	8.03E-04	3.95E-04
2613	565083.6	4222185	0.005094	0.006737	2.41E-03	2.70E-03	7.39E-03	2.41E-03	6.69E-04	1.32E-03	7.90E-04	5.18E-04	7.33E-04	3.60E-04
2614	565088.9	4222168	0.00478	0.006321	2.26E-03	2.53E-03	6.93E-03	2.26E-03	6.28E-04	1.23E-03	7.41E-04	4.86E-04	6.88E-04	3.38E-04
2615	565094.1	4222151	0.004439	0.005871	2.10E-03	2.35E-03	6.44E-03	2.10E-03	5.83E-04	1.15E-03	6.88E-04	4.51E-04	6.39E-04	3.14E-04
2616	565099.4	4222134	0.004089	0.005408	1.94E-03	2.17E-03	5.93E-03	1.94E-03	5.37E-04	1.06E-03	6.34E-04	4.16E-04	5.88E-04	2.89E-04
2617	565109.8	4222100	0.003409	0.004508	1.62E-03	1.81E-03	4.94E-03	1.62E-03	4.48E-04	8.81E-04	5.28E-04	3.46E-04	4.90E-04	2.41E-04
2618	565123.1	4222080	0.00305	0.004034	1.45E-03	1.62E-03	4.42E-03	1.45E-03	4.01E-04	7.88E-04	4.73E-04	3.10E-04	4.39E-04	2.16E-04
2619	565131.2	4222076	0.003001	0.003969	1.42E-03	1.59E-03	4.35E-03	1.42E-03	3.94E-04	7.75E-04	4.65E-04	3.05E-04	4.32E-04	2.12E-04
2620	565147.3	4222069	0.002895	0.003829	1.37E-03	1.53E-03	4.20E-03	1.37E-03	3.80E-04	7.48E-04	4.49E-04	2.94E-04	4.16E-04	2.05E-04
2621	565179.5	4222054	0.002668	0.003528	1.26E-03	1.41E-03	3.87E-03	1.26E-03	3.50E-04	6.89E-04	4.14E-04	2.71E-04	3.84E-04	1.89E-04
2622	565195.6	4222047	0.002552	0.003375	1.21E-03	1.35E-03	3.70E-03	1.21E-03	3.35E-04	6.59E-04	3.96E-04	2.59E-04	3.67E-04	1.80E-04
2623	565211.7	4222040	0.002435	0.003221	1.15E-03	1.29E-03	3.53E-03	1.15E-03	3.20E-04	6.29E-04	3.78E-04	2.47E-04	3.50E-04	1.72E-04
2624	565061.1	4222270	0.005896	0.007798	2.79E-03	3.13E-03	8.55E-03	2.79E-03	7.74E-04	1.52E-03	9.14E-04	5.99E-04	8.48E-04	4.17E-04
2625	565062.2	4222279	0.005969	0.007895	2.83E-03	3.16E-03	8.65E-03	2.83E-03	7.84E-04	1.54E-03	9.25E-04	6.07E-04	8.59E-04	4.22E-04
2626	565063.3	4222288	0.006026	0.007969	2.85E-03	3.19E-03	8.74E-03	2.85E-03	7.91E-04	1.56E-03	9.34E-04	6.12E-04	8.67E-04	4.26E-04
2627	565064.4	4222297	0.006065	0.008021	2.87E-03	3.22E-03	8.79E-03	2.87E-03	7.96E-04	1.57E-03	9.40E-04	6.16E-04	8.72E-04	4.29E-04
2628	565065.5	4222305	0.006086	0.008049	2.88E-03	3.23E-03	8.82E-03	2.88E-03	7.99E-04	1.57E-03	9.44E-04	6.19E-04	8.76E-04	4.30E-04
2629	565066.6	4222314	0.006094	0.008059	2.89E-03	3.23E-03	8.84E-03	2.89E-03	8.00E-04	1.57E-03	9.45E-04	6.19E-04	8.77E-04	4.31E-04
2630	565067.7	4222323	0.006085	0.008047	2.88E-03	3.23E-03	8.82E-03	2.88E-03	7.99E-04	1.57E-03	9.43E-04	6.18E-04	8.75E-04	4.30E-04
2631	565052.9	4222254	0.005575	0.007373	2.64E-03	2.96E-03	8.08E-03	2.64E-03	7.32E-04	1.44E-03	8.64E-04	5.67E-04	8.02E-04	3.94E-04
2632	565058.1	4222237	0.00552	0.0073	2.62E-03	2.93E-03	8.00E-03	2.62E-03	7.25E-04	1.43E-03	8.56E-04	5.61E-04	7.94E-04	3.90E-04
2633	565063.3	4222220	0.005397	0.007138	2.56E-03	2.86E-03	7.82E-03	2.56E-03	7.09E-04	1.39E-03	8.37E-04	5.48E-04	7.76E-04	3.82E-04
2634	565068.5	4222203	0.00521	0.00689	2.47E-03	2.76E-03	7.55E-03	2.47E-03	6.84E-04	1.35E-03	8.08E-04	5.29E-04	7.49E-04	3.68E-04
2635	565079	4222169	0.004684	0.006195	2.22E-03	2.48E-03	6.79E-03	2.22E-03	6.15E-04	1.21E-03	7.26E-04	4.76E-04	6.74E-04	3.31E-04
2636	565084.2	4222153	0.004372	0.005782	2.07E-03	2.32E-03	6.34E-03	2.07E-03	5.74E-04	1.13E-03	6.78E-04	4.44E-04	6.29E-04	3.09E-04

2637	565089.4	4222136	0.004046	0.005351	1.92E-03	2.15E-03	5.87E-03	1.92E-03	5.31E-04	1.05E-03	6.27E-04	4.11E-04	5.82E-04	2.86E-04
2638	565099.9	4222102	0.003402	0.004499	1.61E-03	1.80E-03	4.93E-03	1.61E-03	4.47E-04	8.79E-04	5.27E-04	3.46E-04	4.89E-04	2.41E-04
2639	565105.1	4222085	0.003101	0.004101	1.47E-03	1.64E-03	4.50E-03	1.47E-03	4.07E-04	8.01E-04	4.81E-04	3.15E-04	4.46E-04	2.19E-04
2640	565115.7	4222073	0.002915	0.003855	1.38E-03	1.55E-03	4.23E-03	1.38E-03	3.83E-04	7.53E-04	4.52E-04	2.96E-04	4.19E-04	2.06E-04
2641	565131.8	4222066	0.00282	0.00373	1.34E-03	1.50E-03	4.09E-03	1.34E-03	3.70E-04	7.29E-04	4.37E-04	2.87E-04	4.06E-04	1.99E-04
2642	565147.8	4222059	0.002718	0.003594	1.29E-03	1.44E-03	3.94E-03	1.29E-03	3.57E-04	7.02E-04	4.21E-04	2.76E-04	3.91E-04	1.92E-04
2643	565179.9	4222044	0.002503	0.00331	1.19E-03	1.33E-03	3.63E-03	1.19E-03	3.29E-04	6.47E-04	3.88E-04	2.54E-04	3.60E-04	1.77E-04
2644	565195.9	4222037	0.002395	0.003168	1.13E-03	1.27E-03	3.47E-03	1.13E-03	3.15E-04	6.19E-04	3.71E-04	2.43E-04	3.45E-04	1.69E-04
2645	565212	4222030	0.002288	0.003025	1.08E-03	1.21E-03	3.32E-03	1.08E-03	3.00E-04	5.91E-04	3.55E-04	2.32E-04	3.29E-04	1.62E-04
2646	565051.3	4222271	0.005655	0.007479	2.68E-03	3.00E-03	8.20E-03	2.68E-03	7.43E-04	1.46E-03	8.77E-04	5.75E-04	8.13E-04	4.00E-04
2647	565052.4	4222280	0.005718	0.007562	2.71E-03	3.03E-03	8.29E-03	2.71E-03	7.51E-04	1.48E-03	8.86E-04	5.81E-04	8.23E-04	4.04E-04
2648	565053.5	4222289	0.005766	0.007626	2.73E-03	3.06E-03	8.36E-03	2.73E-03	7.57E-04	1.49E-03	8.94E-04	5.86E-04	8.29E-04	4.08E-04
2649	565055.7	4222307	0.005814	0.007689	2.75E-03	3.08E-03	8.43E-03	2.75E-03	7.64E-04	1.50E-03	9.01E-04	5.91E-04	8.36E-04	4.11E-04
2650	565056.8	4222316	0.005817	0.007693	2.76E-03	3.08E-03	8.43E-03	2.76E-03	7.64E-04	1.50E-03	9.02E-04	5.91E-04	8.37E-04	4.11E-04
2651	565057.9	4222325	0.005804	0.007676	2.75E-03	3.08E-03	8.41E-03	2.75E-03	7.62E-04	1.50E-03	9.00E-04	5.90E-04	8.35E-04	4.10E-04
2652	565043.1	4222255	0.005363	0.007093	2.54E-03	2.84E-03	7.78E-03	2.54E-03	7.04E-04	1.39E-03	8.31E-04	5.45E-04	7.71E-04	3.79E-04
2653	565048.3	4222238	0.005323	0.007039	2.52E-03	2.82E-03	7.72E-03	2.52E-03	6.99E-04	1.38E-03	8.25E-04	5.41E-04	7.66E-04	3.76E-04
2654	565053.5	4222221	0.00522	0.006904	2.47E-03	2.77E-03	7.57E-03	2.47E-03	6.86E-04	1.35E-03	8.09E-04	5.31E-04	7.51E-04	3.69E-04
2655	565058.7	4222204	0.005058	0.00669	2.40E-03	2.68E-03	7.33E-03	2.40E-03	6.64E-04	1.31E-03	7.84E-04	5.14E-04	7.28E-04	3.58E-04
2656	565069.1	4222171	0.004587	0.006066	2.17E-03	2.43E-03	6.65E-03	2.17E-03	6.02E-04	1.18E-03	7.11E-04	4.66E-04	6.60E-04	3.24E-04
2657	565074.3	4222154	0.004301	0.005687	2.04E-03	2.28E-03	6.23E-03	2.04E-03	5.65E-04	1.11E-03	6.67E-04	4.37E-04	6.19E-04	3.04E-04
2658	565079.5	4222137	0.003998	0.005287	1.89E-03	2.12E-03	5.80E-03	1.89E-03	5.25E-04	1.03E-03	6.20E-04	4.06E-04	5.75E-04	2.83E-04
2659	565095.1	4222087	0.003101	0.004101	1.47E-03	1.64E-03	4.50E-03	1.47E-03	4.07E-04	8.01E-04	4.81E-04	3.15E-04	4.46E-04	2.19E-04
2660	565108.3	4222067	0.002789	0.003688	1.32E-03	1.48E-03	4.04E-03	1.32E-03	3.66E-04	7.20E-04	4.32E-04	2.83E-04	4.01E-04	1.97E-04
2661	565124.3	4222060	0.0027	0.003571	1.28E-03	1.43E-03	3.91E-03	1.28E-03	3.55E-04	6.98E-04	4.19E-04	2.74E-04	3.88E-04	1.91E-04
2662	565140.3	4222052	0.002604	0.003444	1.23E-03	1.38E-03	3.78E-03	1.23E-03	3.42E-04	6.73E-04	4.04E-04	2.65E-04	3.75E-04	1.84E-04
2663	565172.3	4222038	0.002403	0.003178	1.14E-03	1.27E-03	3.48E-03	1.14E-03	3.16E-04	6.21E-04	3.72E-04	2.44E-04	3.46E-04	1.70E-04
2664	565188.2	4222031	0.002302	0.003044	1.09E-03	1.22E-03	3.34E-03	1.09E-03	3.02E-04	5.95E-04	3.57E-04	2.34E-04	3.31E-04	1.63E-04
2665	565204.2	4222024	0.002202	0.002912	1.04E-03	1.17E-03	3.19E-03	1.04E-03	2.89E-04	5.69E-04	3.41E-04	2.24E-04	3.17E-04	1.56E-04
2666	565041.6	4222272	0.005428	0.007179	2.57E-03	2.88E-03	7.87E-03	2.57E-03	7.13E-04	1.40E-03	8.41E-04	5.52E-04	7.81E-04	3.84E-04
2667	565042.7	4222281	0.005483	0.007251	2.60E-03	2.91E-03	7.95E-03	2.60E-03	7.20E-04	1.42E-03	8.50E-04	5.57E-04	7.89E-04	3.88E-04
2668	565043.8	4222290	0.005523	0.007304	2.62E-03	2.93E-03	8.01E-03	2.62E-03	7.25E-04	1.43E-03	8.56E-04	5.61E-04	7.94E-04	3.91E-04
2669	565044.8	4222299	0.005549	0.007339	2.63E-03	2.94E-03	8.05E-03	2.63E-03	7.29E-04	1.43E-03	8.60E-04	5.64E-04	7.98E-04	3.92E-04
2670	565045.9	4222308	0.005561	0.007354	2.63E-03	2.95E-03	8.06E-03	2.63E-03	7.30E-04	1.44E-03	8.62E-04	5.65E-04	8.00E-04	3.93E-04
2671	565047	4222317	0.005559	0.007351	2.63E-03	2.95E-03	8.06E-03	2.63E-03	7.30E-04	1.44E-03	8.62E-04	5.65E-04	8.00E-04	3.93E-04
2672	565048.1	4222326	0.005542	0.00733	2.63E-03	2.94E-03	8.04E-03	2.63E-03	7.28E-04	1.43E-03	8.59E-04	5.63E-04	7.97E-04	3.92E-04
2673	565033.3	4222256	0.005162	0.006827	2.45E-03	2.74E-03	7.48E-03	2.45E-03	6.78E-04	1.33E-03	8.00E-04	5.25E-04	7.43E-04	3.65E-04
2674	565038.5	4222239	0.005135	0.006791	2.43E-03	2.72E-03	7.44E-03	2.43E-03	6.74E-04	1.33E-03	7.96E-04	5.22E-04	7.39E-04	3.63E-04
2675	565043.7	4222223	0.00505	0.006679	2.39E-03	2.68E-03	7.32E-03	2.39E-03	6.63E-04	1.30E-03	7.83E-04	5.13E-04	7.26E-04	3.57E-04
2676	565048.9	4222206	0.00491	0.006494	2.33E-03	2.60E-03	7.12E-03	2.33E-03	6.45E-04	1.27E-03	7.61E-04	4.99E-04	7.06E-04	3.47E-04
2677	565059.3	4222172	0.004488	0.005936	2.13E-03	2.38E-03	6.51E-03	2.13E-03	5.89E-04	1.16E-03	6.96E-04	4.56E-04	6.46E-04	3.17E-04
2678	565064.4	4222156	0.004226	0.005589	2.00E-03	2.24E-03	6.13E-03	2.00E-03	5.55E-04	1.09E-03	6.55E-04	4.30E-04	6.08E-04	2.99E-04
2679	565069.6	4222139	0.003946	0.005219	1.87E-03	2.09E-03	5.72E-03	1.87E-03	5.18E-04	1.02E-03	6.12E-04	4.01E-04	5.68E-04	2.79E-04
2680	565074.8	4222122	0.003658	0.004838	1.73E-03	1.94E-03	5.30E-03	1.73E-03	4.80E-04	9.45E-04	5.67E-04	3.72E-04	5.26E-04	2.59E-04
2681	565090.4	4222072	0.002834	0.003748	1.34E-03	1.50E-03	4.11E-03	1.34E-03	3.72E-04	7.32E-04	4.39E-04	2.88E-04	4.08E-04	2.00E-04
2682	565100.9	4222060	0.002671	0.003533	1.27E-03	1.42E-03	3.87E-03	1.27E-03	3.51E-04	6.90E-04	4.14E-04	2.71E-04	3.84E-04	1.89E-04
2683	565116.9	4222053	0.002588	0.003423	1.23E-03	1.37E-03	3.75E-03	1.23E-03	3.40E-04	6.69E-04	4.01E-04	2.63E-04	3.72E-04	1.83E-04
2684	565132.8	4222046	0.002498	0.003304	1.18E-03	1.32E-03	3.62E-03	1.18E-03	3.28E-04	6.45E-04	3.87E-04	2.54E-04	3.59E-04	1.77E-04
2685	565148.7	4222039	0.002404	0.00318	1.14E-03	1.27E-03	3.49E-03	1.14E-03	3.16E-04	6.21E-04	3.73E-04	2.44E-04	3.46E-04	1.70E-04
2686	565180.6	4222024	0.002214	0.002928	1.05E-03	1.17E-03	3.21E-03	1.05E-03	2.91E-04	5.72E-04	3.43E-04	2.25E-04	3.18E-04	1.57E-04
2687	565196.5	4222017	0.00212	0.002804	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.48E-04	3.29E-04	2.15E-04	3.05E-04	1.50E-04
2688	565212.4	4222010	0.00203	0.002685	9.62E-04	1.08E-03	2.94E-03	9.62E-04	2.67E-04	5.25E-04	3.15E-04	2.06E-04	2.92E-04	1.44E-04
2689	565031.8	4222273	0.005215	0.006897	2.47E-03	2.76E-03	7.56E-03	2.47E-03	6.85E-04	1.35E-03	8.08E-04	5.30E-04	7.50E-04	3.69E-04
2690	565032.9	4222282	0.005262	0.006959	2.49E-03	2.79E-03	7.63E-03	2.49E-03	6.91E-04	1.36E-03	8.16E-04	5.35E-04	7.57E-04	3.72E-04
2691	565034	4222291	0.005296	0.007004	2.51E-03	2.81E-03	7.68E-03	2.51E-03	6.96E-04	1.37E-03	8.21E-04	5.38E-04	7.62E-04	3.75E-04
2692	565035.1	4222300	0.005317	0.007031	2.52E-03	2.82E-03	7.71E-03	2.52E-03	6.98E-04	1.37E-03	8.24E-04	5.40E-04	7.65E-04	3.76E-04
2693	565036.2	4222309	0.005324	0.007041	2.52E-03	2.82E-03	7.72E-03	2.52E-03	6.99E-04	1.38E-03	8.25E-04	5.41E-04	7.66E-04	3.77E-04
2694	565037.3	4222318	0.005319	0.007034	2.52E-03	2.82E-03	7.71E-03	2.52E-03	6.99E-04	1.37E-03	8.25E-04	5.41E-04	7.65E-04	3.76E-04
2695	565038.4	4222327	0.0053	0.007009	2.51E-03	2.81E-03	7.68E-03	2.51E-03	6.96E-04	1.37E-03	8.22E-04	5.39E-04	7.62E-04	3.75E-04
2696	565023.5	4222257	0.004973	0.006576	2.36E-03	2.64E-03	7.21E-03	2.36E-03	6.53E-04	1.28E-03	7.71E-04	5.05E-04	7.15E-04	3.52E-04
2697	565028.7	4222241	0.004956	0.006555	2.35E-03	2.63E-03	7.19E-03	2.35E-03	6.51E-04	1.28E-03	7.68E-04	5.04E-04	7.13E-04	3.51E-04
2698	565033.9	4222224	0.004887	0.006463	2.32E-03	2.59E-03	7.09E-03	2.32E-03	6.42E-04	1.26E-03	7.58E-04	4.97E-04	7.03E-04	3.46E-04
2699	565039.1	4222207	0.004766	0.006303	2.26E-03	2.53E-03	6.91E-03	2.26E-03	6.26E-04	1.23E-03	7.39E-04	4.84E-04	6.86E-04	3.37E-04
2700	565049.4	4222174	0.004389	0.005805	2.08E-03	2.33E-03	6.36E-03	2.08E-03	5.76E-04	1.13E-03	6.80E-04	4.46E-04	6.31E-04	3.10E-04
2701	565054.6	4222157	0.00415	0.005489	1.97E-03	2.20E-03	6.02E-03	1.97E-03	5.45E-04	1.07E-03	6.43E-04	4.22E-04	5.97E-04	2.94E-04
2702	565059.7	4222141	0.003891	0.005146	1.84E-03	2.06E-03	5.64E-03	1.84E-03	5.11E-04	1.01E-03	6.03E-04	3.95E-04	5.60E-04	2.75E-04
2703	565064.9	4222124	0.003622	0.00479	1.72E-03	1.92E-03	5.25E-03	1.72E-03	4.76E-04	9.36E-04	5.61E-04	3.68E-04	5.21E-04	2.56E-04
2704	565075.3	4222091	0.003087	0.004083	1.46E-03	1.64E-03	4.48E-03	1.46E-03	4.05E-04	7.98E-04	4.79E-04	3.14E-04	4.44E-04	2.18E-04
2705	565093.5	4222054	0.002562	0.003388	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.62E-04	3.97E-04	2.60E-04	3.68E-04	1.81E-04
2706	565109.4	4222047	0.002483	0.003284	1.18E-03	1.32E-03	3.60E-03	1.18E-03	3.26E-04	6.42E-04	3.85E-04	2.52E-04	3.57E-04	1.76E-04
2707	565125.3	4222040	0.002399	0.003173	1.14E-03	1.27E-03	3.48E-03	1.14E-03	3.15E-04	6.20E-04	3.72E-04	2.44E-04	3.45E-04	1.70E-04
2708	565141.2	4222032	0.002311	0.003056	1.09E-03	1.23E-03	3.35E-03	1.09E-03	3.04E-04	5.97E-04	3.58E-04	2.35E-04	3.32E-04	1.63E-04
2709	565172.9	4222018	0.002132	0.002819	1.01E-03	1.13E-03	3.09E-03	1.01E-03	2.80E-04	5.51E-04	3.30E-04	2.17E-04	3.07E-04	1.51E-04
2710	565188.8	4222011	0.002044	0.002703	9.68E-04	1.08E-03	2.96E-03	9.68E-04	2.68E-04	5.28E-04	3.17E-04	2.08E-04	2.94E-04	1.45E-04
2711	565204.7	4222004	0.001959	0.002591	9.28E-04	1.04E-03	2.84E-03	9.28E-04	2.57E-04	5.06E-04	3.04E-04	1.99E-04	2.82E-04	1.39E-04
2712	565022	4222274	0.005014	0.00663	2.38E-03	2.66E-03	7.27E-03	2.38E-03	6.58E-04	1.30E-03	7.77E-04	5.10E-04	7.21E-04	3.55E-04
2713	565023.1	4222283	0.005054	0.006684	2.39E-03	2.68E-03	7.33E-03	2.39E-03	6.64E-04	1.31E-03	7.83E-04	5.14E-04	7.27E-04	3.57E-04
2714	565024.2	4222292	0.005083	0.006722	2.41E-03	2.69E-03	7.37E-03	2.41E-03	6.67E-04	1.31E-03	7.88E-04	5.17E-04	7.31E-04	3.59E-04
2715	565025.3	4222301	0.005099	0.006743	2.42E-03	2.70E-03	7.39E-03	2.42E-03	6.70E-04	1.32E-03	7.90E-04	5.18E-04	7.33E-04	3.61E-04
2716	565027.5	4222319	0.005095	0.006738	2.41E-03	2.70E-03	7.39E-03	2.41E-03	6.69E-04	1.32E-03	7.90E-04	5.18E-04	7.33E-04	3.60E-04
2717	565028.6	4222328	0.005075	0.006712	2.40E-03	2.69E-03	7.36E-03	2.40E-03	6.67E-04	1.31E-03	7.87E-04	5.16E-04	7.30E-04	3.59E-04
2718	565013.8	4222258	0.004793	0.006338	2.27E-03	2.54E-03	6.95E-03	2.27E-03	6.29E-04	1.24E-03	7.43E-04	4.87E-04	6.89E-04	3.39E-04
2719	565018.9	4222242	0.004786	0.006329	2.27E-03	2.54E-03	6.94E-03	2.27E-03	6.29E-04	1.24E-03	7.42E-04	4.86E-04	6.88E-04	3.38E-04
2720	565024.1	4222225	0.00473	0.006256	2.24E-03	2.51E-03	6.86E-03	2.24E-03	6.21E-04	1.22E-03	7.33E-04	4.81E-04	6.80E-04	3.35E-04
2721	565029.2	4222209	0.004626	0.006118	2.19E-03	2.45E-03	6.71E-03	2.19E-03	6.08E-04	1.20E-03	7.17E-04	4.70E-04	6.65E-04	3.27E-04
2722	565039.6	4222175	0.004291	0.005674	2.03E-03	2.27E-03	6.22E-03	2.03E-03	5.63E-04	1.11E-03	6.65E-04	4.36E-04	6.17E-04	3.03E-04
2723	565044.7	4222159	0.004072	0.005386	1.93E-03	2.16E-03	5.90E-03	1.93E-03	5.35E-04	1.05E-03	6.31E-04	4.14E-04	5.86E-04	2.88E-04
2724	565049.9	4222142	0.003833	0.005069	1.82E-03	2.03E-03	5.56E-03	1.82E-03	5.03E-04	9.90E-04	5.94E-04	3.90E-04	5.51E-04	2.71E-04
2725	565055	4222126	0.003581	0.004736	1.70E-03	1.90E-03	5.19E-03	1.70E-03	4.70E-04	9.25E-04	5.55E-04	3.64E-04	5.15E-04	2.53E-04
2726	565065.3	4222092	0.003074	0.004066	1.46E-03	1.63E-03	4.46E-03	1.46E-03	4.04E-04	7.94E-04	4.77E-04	3.12E-04	4.42E-04	2.17E-04
2727	565070.5	4222076	0.002832	0.003745	1.34E-03	1.50E-03	4.11E-03	1.34E-03	3.72E-04	7.32E-04	4.39E-04	2.88E-04	4.07E-04	2.00E-04

2728	565075.6	4222059	0.002603	0.003442	1.23E-03	1.38E-03	3.77E-03	1.23E-03	3.42E-04	6.72E-04	4.03E-04	2.64E-04	3.74E-04	1.84E-04
2729	565102	4222040	0.002385	0.003154	1.13E-03	1.26E-03	3.46E-03	1.13E-03	3.13E-04	6.16E-04	3.70E-04	2.42E-04	3.43E-04	1.69E-04
2730	565117.8	4222033	0.002306	0.003049	1.09E-03	1.22E-03	3.34E-03	1.09E-03	3.03E-04	5.96E-04	3.57E-04	2.34E-04	3.32E-04	1.63E-04
2731	565133.6	4222026	0.002223	0.00294	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.92E-04	5.74E-04	3.45E-04	2.26E-04	3.20E-04	1.57E-04
2732	565149.5	4222019	0.002139	0.002829	1.01E-03	1.13E-03	3.10E-03	1.01E-03	2.81E-04	5.53E-04	3.32E-04	2.17E-04	3.08E-04	1.51E-04
2733	565181.1	4222004	0.001972	0.002608	9.34E-04	1.05E-03	2.86E-03	9.34E-04	2.59E-04	5.09E-04	3.06E-04	2.00E-04	2.84E-04	1.39E-04
2734	565197	4221997	0.001892	0.002502	8.96E-04	1.00E-03	2.74E-03	8.96E-04	2.48E-04	4.89E-04	2.93E-04	1.92E-04	2.72E-04	1.34E-04
2735	565012.3	4222276	0.004824	0.00638	2.29E-03	2.56E-03	6.99E-03	2.29E-03	6.34E-04	1.25E-03	7.48E-04	4.90E-04	6.94E-04	3.41E-04
2736	565013.4	4222285	0.004858	0.006425	2.30E-03	2.58E-03	7.04E-03	2.30E-03	6.38E-04	1.26E-03	7.53E-04	4.94E-04	6.99E-04	3.44E-04
2737	565014.5	4222294	0.004882	0.006456	2.31E-03	2.59E-03	7.08E-03	2.31E-03	6.41E-04	1.26E-03	7.57E-04	4.96E-04	7.02E-04	3.45E-04
2738	565015.5	4222302	0.004894	0.006473	2.32E-03	2.59E-03	7.10E-03	2.32E-03	6.43E-04	1.26E-03	7.59E-04	4.97E-04	7.04E-04	3.46E-04
2739	565016.6	4222311	0.004895	0.006474	2.32E-03	2.60E-03	7.10E-03	2.32E-03	6.43E-04	1.26E-03	7.59E-04	4.97E-04	7.04E-04	3.46E-04
2740	565004.1	4222259	0.004622	0.006113	2.19E-03	2.45E-03	6.70E-03	2.19E-03	6.07E-04	1.19E-03	7.17E-04	4.70E-04	6.65E-04	3.27E-04
2741	565006.8	4222251	0.004628	0.006121	2.19E-03	2.45E-03	6.71E-03	2.19E-03	6.08E-04	1.20E-03	7.17E-04	4.70E-04	6.66E-04	3.27E-04
2742	565012.1	4222233	0.004604	0.006088	2.18E-03	2.44E-03	6.67E-03	2.18E-03	6.05E-04	1.19E-03	7.14E-04	4.68E-04	6.62E-04	3.26E-04
2743	565017.4	4222216	0.00453	0.005991	2.15E-03	2.40E-03	6.57E-03	2.15E-03	5.95E-04	1.17E-03	7.02E-04	4.60E-04	6.52E-04	3.20E-04
2744	565033.5	4222165	0.00405	0.005355	1.92E-03	2.15E-03	5.87E-03	1.92E-03	5.32E-04	1.05E-03	6.28E-04	4.12E-04	5.83E-04	2.86E-04
2745	565038.8	4222148	0.003825	0.005059	1.81E-03	2.03E-03	5.55E-03	1.81E-03	5.02E-04	9.88E-04	5.93E-04	3.89E-04	5.50E-04	2.71E-04
2746	565044.1	4222130	0.003584	0.004739	1.70E-03	1.90E-03	5.20E-03	1.70E-03	4.71E-04	9.26E-04	5.56E-04	3.64E-04	5.15E-04	2.53E-04
2747	565054.8	4222096	0.003085	0.004081	1.46E-03	1.64E-03	4.47E-03	1.46E-03	4.05E-04	7.97E-04	4.78E-04	3.14E-04	4.44E-04	2.18E-04
2748	565060.2	4222079	0.002843	0.00376	1.35E-03	1.51E-03	4.12E-03	1.35E-03	3.73E-04	7.35E-04	4.41E-04	2.89E-04	4.09E-04	2.01E-04
2749	565062.8	4222070	0.002726	0.003605	1.29E-03	1.45E-03	3.95E-03	1.29E-03	3.58E-04	7.04E-04	4.23E-04	2.77E-04	3.92E-04	1.93E-04
2750	565068.2	4222053	0.002502	0.003309	1.19E-03	1.33E-03	3.63E-03	1.19E-03	3.29E-04	6.46E-04	3.88E-04	2.54E-04	3.60E-04	1.77E-04
2751	565095.4	4222033	0.002289	0.003027	1.08E-03	1.21E-03	3.32E-03	1.08E-03	3.01E-04	5.91E-04	3.55E-04	2.33E-04	3.29E-04	1.62E-04
2752	565103.6	4222030	0.002251	0.002976	1.07E-03	1.19E-03	3.26E-03	1.07E-03	2.96E-04	5.81E-04	3.49E-04	2.29E-04	3.24E-04	1.59E-04
2753	565120	4222022	0.002171	0.002871	1.03E-03	1.15E-03	3.15E-03	1.03E-03	2.85E-04	5.61E-04	3.37E-04	2.21E-04	3.12E-04	1.54E-04
2754	565136.4	4222015	0.002089	0.002763	9.90E-04	1.11E-03	3.03E-03	9.90E-04	2.74E-04	5.40E-04	3.24E-04	2.12E-04	3.01E-04	1.48E-04
2755	565152.8	4222007	0.002007	0.002654	9.51E-04	1.06E-03	2.91E-03	9.51E-04	2.64E-04	5.18E-04	3.11E-04	2.04E-04	2.89E-04	1.42E-04
2756	565177.4	4221996	0.001885	0.002493	8.93E-04	9.99E-04	2.73E-03	8.93E-04	2.48E-04	4.87E-04	2.92E-04	1.92E-04	2.71E-04	1.33E-04
2757	565193.8	4221989	0.001807	0.00239	8.56E-04	9.58E-04	2.62E-03	8.56E-04	2.37E-04	4.67E-04	2.80E-04	1.84E-04	2.60E-04	1.28E-04
2758	565202	4221985	0.00177	0.002341	8.39E-04	9.39E-04	2.57E-03	8.39E-04	2.32E-04	4.57E-04	2.74E-04	1.80E-04	2.55E-04	1.25E-04
2759	565002.5	4222277	0.004645	0.006143	2.20E-03	2.46E-03	6.73E-03	2.20E-03	6.10E-04	1.20E-03	7.20E-04	4.72E-04	6.68E-04	3.28E-04
2760	565003.6	4222286	0.004674	0.006182	2.21E-03	2.48E-03	6.78E-03	2.21E-03	6.14E-04	1.21E-03	7.25E-04	4.75E-04	6.72E-04	3.31E-04
2761	565005.8	4222304	0.004702	0.006219	2.23E-03	2.49E-03	6.82E-03	2.23E-03	6.18E-04	1.21E-03	7.29E-04	4.78E-04	6.76E-04	3.33E-04
2762	565006.9	4222313	0.004701	0.006217	2.23E-03	2.49E-03	6.82E-03	2.23E-03	6.17E-04	1.21E-03	7.29E-04	4.78E-04	6.76E-04	3.32E-04
2763	564994.3	4222260	0.004461	0.005899	2.11E-03	2.36E-03	6.47E-03	2.11E-03	5.86E-04	1.15E-03	6.91E-04	4.53E-04	6.42E-04	3.15E-04
2764	564999.6	4222243	0.004467	0.005908	2.12E-03	2.37E-03	6.48E-03	2.12E-03	5.87E-04	1.15E-03	6.93E-04	4.54E-04	6.43E-04	3.16E-04
2765	565005	4222226	0.00443	0.005859	2.10E-03	2.35E-03	6.42E-03	2.10E-03	5.82E-04	1.14E-03	6.87E-04	4.50E-04	6.37E-04	3.13E-04
2766	565015.6	4222192	0.004223	0.005585	2.00E-03	2.24E-03	6.12E-03	2.00E-03	5.55E-04	1.09E-03	6.55E-04	4.29E-04	6.07E-04	2.99E-04
2767	565020.9	4222175	0.00406	0.00537	1.92E-03	2.15E-03	5.89E-03	1.92E-03	5.33E-04	1.05E-03	6.29E-04	4.13E-04	5.84E-04	2.87E-04
2768	565026.2	4222158	0.003867	0.005114	1.83E-03	2.05E-03	5.61E-03	1.83E-03	5.08E-04	9.99E-04	5.99E-04	3.93E-04	5.56E-04	2.73E-04
2769	565028.9	4222149	0.003761	0.004974	1.78E-03	1.99E-03	5.45E-03	1.78E-03	4.94E-04	9.72E-04	5.83E-04	3.82E-04	5.41E-04	2.66E-04
2770	565034.2	4222132	0.003537	0.004678	1.68E-03	1.88E-03	5.13E-03	1.68E-03	4.65E-04	9.14E-04	5.48E-04	3.59E-04	5.09E-04	2.50E-04
2771	565044.9	4222098	0.003068	0.004057	1.45E-03	1.63E-03	4.45E-03	1.45E-03	4.03E-04	7.93E-04	4.76E-04	3.12E-04	4.41E-04	2.17E-04
2772	565050.2	4222081	0.002836	0.003751	1.34E-03	1.50E-03	4.11E-03	1.34E-03	3.73E-04	7.33E-04	4.40E-04	2.88E-04	4.08E-04	2.01E-04
2773	565055.5	4222064	0.002614	0.003457	1.24E-03	1.39E-03	3.79E-03	1.24E-03	3.43E-04	6.75E-04	4.05E-04	2.66E-04	3.76E-04	1.85E-04
2774	565060.8	4222046	0.002403	0.003179	1.14E-03	1.27E-03	3.48E-03	1.14E-03	3.16E-04	6.21E-04	3.73E-04	2.44E-04	3.46E-04	1.70E-04
2775	565071.6	4222034	0.002271	0.003004	1.08E-03	1.20E-03	3.29E-03	1.08E-03	2.98E-04	5.87E-04	3.52E-04	2.31E-04	3.27E-04	1.61E-04
2776	565096.1	4222023	0.002167	0.002865	1.03E-03	1.15E-03	3.14E-03	1.03E-03	2.85E-04	5.60E-04	3.36E-04	2.20E-04	3.12E-04	1.53E-04
2777	565112.5	4222016	0.002092	0.002766	9.91E-04	1.11E-03	3.03E-03	9.91E-04	2.75E-04	5.40E-04	3.24E-04	2.13E-04	3.01E-04	1.48E-04
2778	565120.7	4222012	0.002054	0.002716	9.73E-04	1.09E-03	2.98E-03	9.73E-04	2.70E-04	5.31E-04	3.18E-04	2.09E-04	2.95E-04	1.45E-04
2779	565137	4222005	0.001976	0.002614	9.36E-04	1.05E-03	2.87E-03	9.36E-04	2.60E-04	5.11E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
2780	565153.3	4221997	0.001899	0.002511	9.00E-04	1.01E-03	2.75E-03	9.00E-04	2.49E-04	4.91E-04	2.94E-04	1.93E-04	2.73E-04	1.34E-04
2781	565177.8	4221986	0.001786	0.002362	8.46E-04	9.47E-04	2.59E-03	8.46E-04	2.35E-04	4.61E-04	2.77E-04	1.81E-04	2.57E-04	1.26E-04
2782	565194.2	4221979	0.001714	0.002267	8.12E-04	9.09E-04	2.48E-03	8.12E-04	2.25E-04	4.43E-04	2.66E-04	1.74E-04	2.47E-04	1.21E-04
2783	565202.3	4221975	0.00168	0.002222	7.96E-04	8.91E-04	2.44E-03	7.96E-04	2.21E-04	4.34E-04	2.60E-04	1.71E-04	2.42E-04	1.19E-04
2784	564992.7	4222278	0.004475	0.005919	2.12E-03	2.37E-03	6.49E-03	2.12E-03	5.88E-04	1.16E-03	6.94E-04	4.55E-04	6.44E-04	3.17E-04
2785	564993.8	4222287	0.0045	0.005952	2.13E-03	2.39E-03	6.52E-03	2.13E-03	5.91E-04	1.16E-03	6.98E-04	4.57E-04	6.47E-04	3.18E-04
2786	564994.9	4222296	0.004516	0.005972	2.14E-03	2.39E-03	6.55E-03	2.14E-03	5.93E-04	1.17E-03	7.00E-04	4.59E-04	6.50E-04	3.19E-04
2787	564996	4222305	0.004521	0.00598	2.14E-03	2.40E-03	6.56E-03	2.14E-03	5.94E-04	1.17E-03	7.01E-04	4.59E-04	6.50E-04	3.20E-04
2788	564984.5	4222262	0.004307	0.005696	2.04E-03	2.28E-03	6.24E-03	2.04E-03	5.66E-04	1.11E-03	6.68E-04	4.38E-04	6.20E-04	3.05E-04
2789	564989.8	4222245	0.00432	0.005713	2.05E-03	2.29E-03	6.26E-03	2.05E-03	5.67E-04	1.12E-03	6.70E-04	4.39E-04	6.21E-04	3.06E-04
2790	565005.7	4222193	0.004114	0.005441	1.95E-03	2.18E-03	5.96E-03	1.95E-03	5.40E-04	1.06E-03	6.38E-04	4.18E-04	5.92E-04	2.91E-04
2791	565011	4222176	0.003968	0.005248	1.88E-03	2.10E-03	5.75E-03	1.88E-03	5.21E-04	1.03E-03	6.15E-04	4.03E-04	5.71E-04	2.81E-04
2792	565016.3	4222159	0.003793	0.005016	1.80E-03	2.01E-03	5.50E-03	1.80E-03	4.98E-04	9.80E-04	5.88E-04	3.85E-04	5.46E-04	2.68E-04
2793	565021.6	4222142	0.003594	0.004753	1.70E-03	1.91E-03	5.21E-03	1.70E-03	4.72E-04	9.28E-04	5.57E-04	3.65E-04	5.17E-04	2.54E-04
2794	565026.9	4222125	0.00338	0.00447	1.60E-03	1.79E-03	4.90E-03	1.60E-03	4.44E-04	8.73E-04	5.24E-04	3.44E-04	4.86E-04	2.39E-04
2795	565037.6	4222091	0.002936	0.003883	1.39E-03	1.56E-03	4.26E-03	1.39E-03	3.86E-04	7.59E-04	4.55E-04	2.98E-04	4.22E-04	2.08E-04
2796	565042.9	4222074	0.002718	0.003595	1.29E-03	1.44E-03	3.94E-03	1.29E-03	3.57E-04	7.02E-04	4.21E-04	2.76E-04	3.91E-04	1.92E-04
2797	565048.2	4222057	0.002509	0.003318	1.19E-03	1.33E-03	3.64E-03	1.19E-03	3.29E-04	6.48E-04	3.89E-04	2.55E-04	3.61E-04	1.77E-04
2798	565053.5	4222040	0.002311	0.003056	1.09E-03	1.23E-03	3.35E-03	1.09E-03	3.04E-04	5.97E-04	3.58E-04	2.35E-04	3.32E-04	1.63E-04
2799	565064.2	4222028	0.002187	0.002892	1.04E-03	1.16E-03	3.17E-03	1.04E-03	2.87E-04	5.65E-04	3.39E-04	2.22E-04	3.15E-04	1.55E-04
2800	565104.9	4222009	0.002017	0.002668	9.56E-04	1.07E-03	2.92E-03	9.56E-04	2.65E-04	5.21E-04	3.13E-04	2.05E-04	2.90E-04	1.43E-04
2801	565113.1	4222006	0.001981	0.00262	9.39E-04	1.05E-03	2.87E-03	9.39E-04	2.60E-04	5.12E-04	3.07E-04	2.01E-04	2.85E-04	1.40E-04
2802	565129.4	4221998	0.001908	0.002524	9.04E-04	1.01E-03	2.77E-03	9.04E-04	2.51E-04	4.93E-04	2.96E-04	1.94E-04	2.75E-04	1.35E-04
2803	565137.5	4221995	0.001872	0.002476	8.87E-04	9.92E-04	2.71E-03	8.87E-04	2.46E-04	4.84E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
2804	565170	4221980	0.001729	0.002287	8.19E-04	9.17E-04	2.51E-03	8.19E-04	2.27E-04	4.47E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
2805	565178.2	4221976	0.001695	0.002241	8.03E-04	8.98E-04	2.46E-03	8.03E-04	2.23E-04	4.38E-04	2.63E-04	1.72E-04	2.44E-04	1.20E-04
2806	565194.5	4221969	0.001628	0.002153	7.71E-04	8.63E-04	2.36E-03	7.71E-04	2.14E-04	4.21E-04	2.52E-04	1.65E-04	2.34E-04	1.15E-04
2807	565202.6	4221965	0.001596	0.002111	7.56E-04	8.46E-04	2.31E-03	7.56E-04	2.10E-04	4.12E-04	2.47E-04	1.62E-04	2.30E-04	1.13E-04
2808	564983	4222279	0.004315	0.005707	2.04E-03	2.29E-03	6.26E-03	2.04E-03	5.67E-04	1.11E-03	6.69E-04	4.39E-04	6.21E-04	3.05E-04
2809	564984.1	4222288	0.004336	0.005734	2.05E-03	2.30E-03	6.29E-03	2.05E-03	5.69E-04	1.12E-03	6.72E-04	4.41E-04	6.24E-04	3.07E-04
2810	564987.3	4222315	0.004345	0.005747	2.06E-03	2.30E-03	6.30E-03	2.06E-03	5.71E-04	1.12E-03	6.74E-04	4.42E-04	6.25E-04	3.07E-04
2811	564988.4	4222324	0.004331	0.005728	2.05E-03	2.30E-03	6.28E-03	2.05E-03	5.69E-04	1.12E-03	6.71E-04	4.40E-04	6.23E-04	3.06E-04
2812	564989.5	4222333	0.004308	0.005698	2.04E-03	2.28E-03	6.25E-03	2.04E-03	5.66E-04	1.11E-03	6.68E-04	4.38E-04	6.20E-04	3.05E-04
2813	564975.2	4222230	0.004029	0.005329	1.91E-03	2.14E-03	5.84E-03	1.91E-03	5.29E-04	1.04E-03	6.25E-04	4.09E-04	5.80E-04	2.85E-04
2814	564985.8	4222196	0.0039	0.005157	1.85E-03	2.07E-03	5.65E-03	1.85E-03	5.12E-04	1.01E-03	6.04E-04	3.96E-04	5.61E-04	2.76E-04
2815	564991	4222179	0.003784	0.005004	1.79E-03	2.01E-03	5.49E-03	1.79E-03	4.97E-04	9.78E-04	5.87E-04	3.85E-04	5.44E-04	2.68E-04
2816	564996.3	4222162	0.00364	0.004813	1.72E-03	1.93E-03	5.28E-03	1.72E-03	4.78E-04	9.40E-04	5.64E-04	3.70E-04	5.24E-04	2.57E-04
2817	565001.6	4222145	0.003472	0.004592	1.64E-03	1.84E-03	5.03E-03	1.64E-03	4.56E-04	8.97E-04	5.38E-04	3.53E-04	4.99E-04	2.46E-04
2818	565006.9	4222128	0.003288	0.004348	1.56E-03	1.74E-03	4.77E-03	1.56E-03	4.32E-04	8.49E-04	5.10E-04	3.34E-04	4.73E-04	2.33E-04

2819	565017.4	4222095	0.002893	0.003826	1.37E-03	1.53E-03	4.19E-03	1.37E-03	3.80E-04	7.47E-04	4.49E-04	2.94E-04	4.16E-04	2.05E-04
2820	565022.7	4222078	0.002695	0.003564	1.28E-03	1.43E-03	3.91E-03	1.28E-03	3.54E-04	6.96E-04	4.18E-04	2.74E-04	3.88E-04	1.91E-04
2821	565027.9	4222061	0.002501	0.003308	1.18E-03	1.33E-03	3.63E-03	1.18E-03	3.28E-04	6.46E-04	3.88E-04	2.54E-04	3.60E-04	1.77E-04
2822	565033.2	4222044	0.002316	0.003062	1.10E-03	1.23E-03	3.36E-03	1.10E-03	3.04E-04	5.98E-04	3.59E-04	2.35E-04	3.33E-04	1.64E-04
2823	565038.5	4222027	0.00214	0.00283	1.01E-03	1.13E-03	3.10E-03	1.01E-03	2.81E-04	5.53E-04	3.32E-04	2.17E-04	3.08E-04	1.51E-04
2824	565049.2	4222015	0.002029	0.002684	9.61E-04	1.08E-03	2.94E-03	9.61E-04	2.66E-04	5.24E-04	3.15E-04	2.06E-04	2.92E-04	1.44E-04
2825	565065.4	4222007	0.001971	0.002607	9.34E-04	1.05E-03	2.86E-03	9.34E-04	2.59E-04	5.09E-04	3.06E-04	2.00E-04	2.84E-04	1.39E-04
2826	565089.7	4221996	0.001878	0.002483	8.89E-04	9.95E-04	2.72E-03	8.89E-04	2.47E-04	4.85E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
2827	565105.9	4221989	0.001814	0.002398	8.59E-04	9.62E-04	2.63E-03	8.59E-04	2.38E-04	4.69E-04	2.81E-04	1.84E-04	2.61E-04	1.28E-04
2828	565114	4221985	0.001781	0.002355	8.44E-04	9.44E-04	2.58E-03	8.44E-04	2.34E-04	4.60E-04	2.76E-04	1.81E-04	2.56E-04	1.26E-04
2829	565130.2	4221978	0.001716	0.00227	8.13E-04	9.10E-04	2.49E-03	8.13E-04	2.25E-04	4.43E-04	2.66E-04	1.74E-04	2.47E-04	1.21E-04
2830	565138.2	4221974	0.001684	0.002227	7.98E-04	8.93E-04	2.44E-03	7.98E-04	2.21E-04	4.35E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
2831	565170.6	4221960	0.00156	0.002063	7.39E-04	8.27E-04	2.26E-03	7.39E-04	2.05E-04	4.03E-04	2.42E-04	1.59E-04	2.24E-04	1.10E-04
2832	565186.8	4221952	0.001502	0.001986	7.11E-04	7.96E-04	2.18E-03	7.11E-04	1.97E-04	3.88E-04	2.33E-04	1.53E-04	2.16E-04	1.06E-04
2833	565194.9	4221949	0.001474	0.001949	6.98E-04	7.81E-04	2.14E-03	6.98E-04	1.94E-04	3.81E-04	2.28E-04	1.50E-04	2.12E-04	1.04E-04
2834	564964.2	4222291	0.004029	0.005328	1.91E-03	2.14E-03	5.84E-03	1.91E-03	5.29E-04	1.04E-03	6.25E-04	4.09E-04	5.79E-04	2.85E-04
2835	564965.3	4222300	0.004035	0.005336	1.91E-03	2.14E-03	5.85E-03	1.91E-03	5.30E-04	1.04E-03	6.25E-04	4.10E-04	5.80E-04	2.85E-04
2836	564966.4	4222308	0.004033	0.005334	1.91E-03	2.14E-03	5.85E-03	1.91E-03	5.30E-04	1.04E-03	6.25E-04	4.10E-04	5.80E-04	2.85E-04
2837	564967.5	4222317	0.004023	0.005321	1.91E-03	2.13E-03	5.83E-03	1.91E-03	5.28E-04	1.04E-03	6.24E-04	4.09E-04	5.79E-04	2.85E-04
2838	564968.6	4222326	0.004006	0.005298	1.90E-03	2.12E-03	5.81E-03	1.90E-03	5.26E-04	1.03E-03	6.21E-04	4.07E-04	5.76E-04	2.83E-04
2839	564969.7	4222335	0.003982	0.005266	1.89E-03	2.11E-03	5.77E-03	1.89E-03	5.23E-04	1.03E-03	6.17E-04	4.05E-04	5.73E-04	2.82E-04
2840	564950.1	4222250	0.003786	0.005007	1.79E-03	2.01E-03	5.49E-03	1.79E-03	4.97E-04	9.78E-04	5.87E-04	3.85E-04	5.45E-04	2.68E-04
2841	564955.3	4222233	0.003787	0.005008	1.79E-03	2.01E-03	5.49E-03	1.79E-03	4.97E-04	9.78E-04	5.87E-04	3.85E-04	5.45E-04	2.68E-04
2842	564960.5	4222216	0.003757	0.004969	1.78E-03	1.99E-03	5.45E-03	1.78E-03	4.93E-04	9.71E-04	5.82E-04	3.82E-04	5.40E-04	2.66E-04
2843	564971	4222182	0.003605	0.004768	1.71E-03	1.91E-03	5.23E-03	1.71E-03	4.73E-04	9.31E-04	5.59E-04	3.66E-04	5.19E-04	2.55E-04
2844	564976.3	4222165	0.003488	0.004612	1.65E-03	1.85E-03	5.06E-03	1.65E-03	4.58E-04	9.01E-04	5.41E-04	3.54E-04	5.02E-04	2.47E-04
2845	564981.5	4222148	0.003347	0.004427	1.59E-03	1.77E-03	4.85E-03	1.59E-03	4.40E-04	8.65E-04	5.19E-04	3.40E-04	4.81E-04	2.37E-04
2846	564986.8	4222132	0.003189	0.004217	1.51E-03	1.69E-03	4.62E-03	1.51E-03	4.19E-04	8.24E-04	4.94E-04	3.24E-04	4.59E-04	2.26E-04
2847	564997.3	4222098	0.002841	0.003757	1.35E-03	1.51E-03	4.12E-03	1.35E-03	3.73E-04	7.34E-04	4.40E-04	2.89E-04	4.09E-04	2.01E-04
2848	565013	4222047	0.00231	0.003056	1.09E-03	1.22E-03	3.35E-03	1.09E-03	3.03E-04	5.97E-04	3.58E-04	2.35E-04	3.32E-04	1.63E-04
2849	565018.3	4222030	0.002144	0.002836	1.02E-03	1.14E-03	3.11E-03	1.02E-03	2.82E-04	5.54E-04	3.32E-04	2.18E-04	3.08E-04	1.52E-04
2850	565023.5	4222013	0.001987	0.002628	9.41E-04	1.05E-03	2.88E-03	9.41E-04	2.61E-04	5.13E-04	3.08E-04	2.02E-04	2.86E-04	1.41E-04
2851	565034.2	4222001	0.001888	0.002497	8.94E-04	1.00E-03	2.74E-03	8.94E-04	2.48E-04	4.88E-04	2.93E-04	1.92E-04	2.72E-04	1.34E-04
2852	565042.2	4221998	0.001863	0.002463	8.82E-04	9.88E-04	2.70E-03	8.82E-04	2.45E-04	4.81E-04	2.89E-04	1.89E-04	2.68E-04	1.32E-04
2853	565058.4	4221990	0.001808	0.002391	8.57E-04	9.59E-04	2.62E-03	8.57E-04	2.37E-04	4.67E-04	2.80E-04	1.84E-04	2.60E-04	1.28E-04
2854	565074.5	4221983	0.001751	0.002316	8.30E-04	9.29E-04	2.54E-03	8.30E-04	2.30E-04	4.52E-04	2.72E-04	1.78E-04	2.52E-04	1.24E-04
2855	565090.6	4221976	0.001695	0.002241	8.03E-04	8.99E-04	2.46E-03	8.03E-04	2.23E-04	4.38E-04	2.63E-04	1.72E-04	2.44E-04	1.20E-04
2856	565098.6	4221972	0.001666	0.002204	7.89E-04	8.84E-04	2.42E-03	7.89E-04	2.19E-04	4.31E-04	2.58E-04	1.69E-04	2.40E-04	1.18E-04
2857	565114.7	4221965	0.001609	0.002128	7.62E-04	8.53E-04	2.33E-03	7.62E-04	2.11E-04	4.16E-04	2.49E-04	1.63E-04	2.31E-04	1.14E-04
2858	565122.8	4221961	0.00158	0.00209	7.49E-04	8.38E-04	2.29E-03	7.49E-04	2.08E-04	4.08E-04	2.45E-04	1.61E-04	2.27E-04	1.12E-04
2859	565138.9	4221954	0.001523	0.002015	7.22E-04	8.08E-04	2.21E-03	7.22E-04	2.00E-04	3.94E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
2860	565171.1	4221939	0.001416	0.001872	6.71E-04	7.51E-04	2.05E-03	6.71E-04	1.86E-04	3.66E-04	2.19E-04	1.44E-04	2.04E-04	1.00E-04
2861	565179.2	4221936	0.00139	0.001839	6.59E-04	7.37E-04	2.02E-03	6.59E-04	1.83E-04	3.59E-04	2.16E-04	1.41E-04	2.00E-04	9.83E-05
2862	564944.4	4222293	0.003752	0.004962	1.78E-03	1.99E-03	5.44E-03	1.78E-03	4.93E-04	9.69E-04	5.82E-04	3.81E-04	5.40E-04	2.65E-04
2863	564945.5	4222302	0.003753	0.004964	1.78E-03	1.99E-03	5.44E-03	1.78E-03	4.93E-04	9.70E-04	5.82E-04	3.81E-04	5.40E-04	2.65E-04
2864	564946.5	4222311	0.003748	0.004956	1.78E-03	1.99E-03	5.43E-03	1.78E-03	4.92E-04	9.68E-04	5.81E-04	3.81E-04	5.39E-04	2.65E-04
2865	564947.6	4222320	0.003735	0.00494	1.77E-03	1.98E-03	5.42E-03	1.77E-03	4.91E-04	9.65E-04	5.79E-04	3.80E-04	5.37E-04	2.64E-04
2866	564948.7	4222329	0.003716	0.004914	1.76E-03	1.97E-03	5.39E-03	1.76E-03	4.88E-04	9.60E-04	5.76E-04	3.78E-04	5.35E-04	2.63E-04
2867	564924.9	4222269	0.003517	0.004651	1.67E-03	1.86E-03	5.10E-03	1.67E-03	4.62E-04	9.09E-04	5.45E-04	3.57E-04	5.06E-04	2.49E-04
2868	564930.2	4222252	0.003553	0.004699	1.68E-03	1.88E-03	5.15E-03	1.68E-03	4.67E-04	9.18E-04	5.51E-04	3.61E-04	5.11E-04	2.51E-04
2869	564935.4	4222235	0.003564	0.004713	1.69E-03	1.89E-03	5.17E-03	1.69E-03	4.68E-04	9.21E-04	5.52E-04	3.62E-04	5.13E-04	2.52E-04
2870	564940.6	4222219	0.003547	0.004691	1.68E-03	1.88E-03	5.14E-03	1.68E-03	4.66E-04	9.16E-04	5.50E-04	3.61E-04	5.10E-04	2.51E-04
2871	564945.8	4222202	0.003503	0.004633	1.66E-03	1.86E-03	5.08E-03	1.66E-03	4.60E-04	9.05E-04	5.43E-04	3.56E-04	5.04E-04	2.48E-04
2872	564956.3	4222168	0.003338	0.004415	1.58E-03	1.77E-03	4.84E-03	1.58E-03	4.38E-04	8.62E-04	5.17E-04	3.39E-04	4.80E-04	2.36E-04
2873	564961.5	4222151	0.003221	0.00426	1.53E-03	1.71E-03	4.67E-03	1.53E-03	4.23E-04	8.32E-04	4.99E-04	3.27E-04	4.63E-04	2.28E-04
2874	564966.7	4222135	0.003086	0.004082	1.46E-03	1.64E-03	4.47E-03	1.46E-03	4.05E-04	7.97E-04	4.78E-04	3.14E-04	4.44E-04	2.18E-04
2875	564977.2	4222101	0.002781	0.003678	1.32E-03	1.47E-03	4.03E-03	1.32E-03	3.65E-04	7.18E-04	4.31E-04	2.83E-04	4.00E-04	1.97E-04
2876	564982.4	4222084	0.002619	0.003464	1.24E-03	1.39E-03	3.80E-03	1.24E-03	3.44E-04	6.77E-04	4.06E-04	2.66E-04	3.77E-04	1.85E-04
2877	564987.6	4222067	0.002457	0.003249	1.16E-03	1.30E-03	3.56E-03	1.16E-03	3.23E-04	6.35E-04	3.81E-04	2.50E-04	3.53E-04	1.74E-04
2878	564992.9	4222051	0.002297	0.003038	1.09E-03	1.22E-03	3.33E-03	1.09E-03	3.02E-04	5.93E-04	3.56E-04	2.33E-04	3.30E-04	1.62E-04
2879	564998.1	4222034	0.002142	0.002832	1.01E-03	1.14E-03	3.10E-03	1.01E-03	2.81E-04	5.53E-04	3.32E-04	2.18E-04	3.08E-04	1.51E-04
2880	565019.2	4221988	0.001762	0.00233	8.35E-04	9.34E-04	2.55E-03	8.35E-04	2.31E-04	4.55E-04	2.73E-04	1.79E-04	2.53E-04	1.25E-04
2881	565035.2	4221981	0.001715	0.002268	8.12E-04	9.09E-04	2.49E-03	8.12E-04	2.25E-04	4.43E-04	2.66E-04	1.74E-04	2.47E-04	1.21E-04
2882	565043.2	4221977	0.00169	0.002235	8.01E-04	8.96E-04	2.45E-03	8.01E-04	2.22E-04	4.37E-04	2.62E-04	1.72E-04	2.43E-04	1.20E-04
2883	565059.3	4221970	0.001639	0.002168	7.77E-04	8.69E-04	2.38E-03	7.77E-04	2.15E-04	4.23E-04	2.54E-04	1.67E-04	2.36E-04	1.16E-04
2884	565075.3	4221963	0.001588	0.0021	7.52E-04	8.42E-04	2.30E-03	7.52E-04	2.09E-04	4.10E-04	2.46E-04	1.61E-04	2.28E-04	1.12E-04
2885	565091.4	4221955	0.001537	0.002033	7.28E-04	8.15E-04	2.23E-03	7.28E-04	2.02E-04	3.97E-04	2.38E-04	1.56E-04	2.21E-04	1.09E-04
2886	565107.4	4221948	0.001486	0.001965	7.04E-04	7.88E-04	2.15E-03	7.04E-04	1.95E-04	3.84E-04	2.30E-04	1.51E-04	2.14E-04	1.05E-04
2887	565123.4	4221941	0.001435	0.001897	6.80E-04	7.61E-04	2.08E-03	6.80E-04	1.88E-04	3.71E-04	2.22E-04	1.46E-04	2.06E-04	1.01E-04
2888	565139.5	4221934	0.001385	0.001832	6.56E-04	7.34E-04	2.01E-03	6.56E-04	1.82E-04	3.58E-04	2.15E-04	1.41E-04	1.99E-04	9.80E-05
2889	565155.5	4221926	0.001338	0.001769	6.34E-04	7.09E-04	1.94E-03	6.34E-04	1.76E-04	3.46E-04	2.07E-04	1.36E-04	1.92E-04	9.46E-05
2890	565171.6	4221919	0.001292	0.001708	6.12E-04	6.85E-04	1.87E-03	6.12E-04	1.70E-04	3.34E-04	2.00E-04	1.31E-04	1.86E-04	9.14E-05
2891	564923.4	4222286	0.003498	0.004626	1.66E-03	1.85E-03	5.07E-03	1.66E-03	4.59E-04	9.04E-04	5.42E-04	3.56E-04	5.03E-04	2.47E-04
2892	564926.7	4222313	0.00349	0.004616	1.65E-03	1.85E-03	5.06E-03	1.65E-03	4.58E-04	9.02E-04	5.41E-04	3.55E-04	5.02E-04	2.47E-04
2893	564928.9	4222331	0.003459	0.004574	1.64E-03	1.83E-03	5.01E-03	1.64E-03	4.54E-04	8.94E-04	5.36E-04	3.52E-04	4.98E-04	2.45E-04
2894	564930	4222340	0.003434	0.004542	1.63E-03	1.82E-03	4.98E-03	1.63E-03	4.51E-04	8.87E-04	5.32E-04	3.49E-04	4.94E-04	2.43E-04
2895	564905.2	4222271	0.003298	0.004362	1.56E-03	1.75E-03	4.78E-03	1.56E-03	4.33E-04	8.52E-04	5.11E-04	3.35E-04	4.74E-04	2.33E-04
2896	564907.8	4222263	0.003321	0.004392	1.57E-03	1.76E-03	4.82E-03	1.57E-03	4.36E-04	8.58E-04	5.15E-04	3.38E-04	4.78E-04	2.35E-04
2897	564913.2	4222245	0.003351	0.004432	1.59E-03	1.78E-03	4.86E-03	1.59E-03	4.40E-04	8.66E-04	5.19E-04	3.41E-04	4.82E-04	2.37E-04
2898	564918.5	4222228	0.003357	0.004439	1.59E-03	1.78E-03	4.87E-03	1.59E-03	4.41E-04	8.67E-04	5.20E-04	3.41E-04	4.83E-04	2.37E-04
2899	564923.9	4222211	0.003336	0.004412	1.58E-03	1.77E-03	4.84E-03	1.58E-03	4.38E-04	8.62E-04	5.17E-04	3.39E-04	4.80E-04	2.36E-04
2900	564929.2	4222194	0.003288	0.004348	1.56E-03	1.74E-03	4.77E-03	1.56E-03	4.32E-04	8.49E-04	5.10E-04	3.34E-04	4.73E-04	2.33E-04
2901	564931.9	4222185	0.003255	0.004305	1.54E-03	1.73E-03	4.72E-03	1.54E-03	4.27E-04	8.41E-04	5.05E-04	3.31E-04	4.68E-04	2.30E-04
2902	564937.3	4222168	0.003174	0.004198	1.50E-03	1.68E-03	4.60E-03	1.50E-03	4.17E-04	8.20E-04	4.92E-04	3.23E-04	4.57E-04	2.24E-04
2903	564942.6	4222151	0.003071	0.004062	1.46E-03	1.63E-03	4.45E-03	1.46E-03	4.03E-04	7.93E-04	4.76E-04	3.12E-04	4.42E-04	2.17E-04
2904	564948	4222133	0.002951	0.003903	1.40E-03	1.56E-03	4.28E-03	1.40E-03	3.88E-04	7.62E-04	4.57E-04	3.00E-04	4.24E-04	2.09E-04
2905	564958.7	4222099	0.002672	0.003534	1.27E-03	1.42E-03	3.87E-03	1.27E-03	3.51E-04	6.90E-04	4.14E-04	2.72E-04	3.84E-04	1.89E-04
2906	564964	4222082	0.002522	0.003335	1.19E-03	1.34E-03	3.66E-03	1.19E-03	3.31E-04	6.52E-04	3.91E-04	2.56E-04	3.63E-04	1.78E-04
2907	564966.7	4222073	0.002446	0.003235	1.16E-03	1.30E-03	3.55E-03	1.16E-03	3.21E-04	6.32E-04	3.79E-04	2.49E-04	3.52E-04	1.73E-04
2908	564972.1	4222056	0.002295	0.003035	1.09E-03	1.22E-03	3.33E-03	1.09E-03	3.01E-04	5.93E-04	3.56E-04	2.33E-04	3.30E-04	1.62E-04
2909	564977.4	4222039	0.002146	0.002838	1.02E-03	1.14E-03	3.11E-03	1.02E-03	2.82E-04	5.54E-04	3.33E-04	2.18E-04	3.09E-04	1.52E-04

2910	564982.8	4222022	0.002001	0.002646	9.48E-04	1.06E-03	2.90E-03	9.48E-04	2.63E-04	5.17E-04	3.10E-04	2.03E-04	2.88E-04	1.41E-04
2911	564988.1	4222004	0.001862	0.002462	8.82E-04	9.87E-04	2.70E-03	8.82E-04	2.44E-04	4.81E-04	2.89E-04	1.89E-04	2.68E-04	1.32E-04
2912	564990.8	4221996	0.001796	0.002375	8.51E-04	9.52E-04	2.60E-03	8.51E-04	2.36E-04	4.64E-04	2.78E-04	1.83E-04	2.58E-04	1.27E-04
2913	565020.8	4221967	0.001605	0.002123	7.61E-04	8.51E-04	2.33E-03	7.61E-04	2.11E-04	4.15E-04	2.49E-04	1.63E-04	2.31E-04	1.14E-04
2914	565029	4221964	0.001582	0.002093	7.50E-04	8.39E-04	2.29E-03	7.50E-04	2.08E-04	4.09E-04	2.45E-04	1.61E-04	2.28E-04	1.12E-04
2915	565045.5	4221956	0.001535	0.00203	7.27E-04	8.14E-04	2.23E-03	7.27E-04	2.02E-04	3.96E-04	2.38E-04	1.56E-04	2.21E-04	1.09E-04
2916	565061.9	4221949	0.001487	0.001966	7.04E-04	7.88E-04	2.16E-03	7.04E-04	1.95E-04	3.84E-04	2.30E-04	1.51E-04	2.14E-04	1.05E-04
2917	565103	4221930	0.001368	0.00181	6.48E-04	7.26E-04	1.98E-03	6.48E-04	1.80E-04	3.54E-04	2.12E-04	1.39E-04	1.97E-04	9.68E-05
2918	565119.4	4221923	0.001322	0.001748	6.26E-04	7.01E-04	1.92E-03	6.26E-04	1.74E-04	3.41E-04	2.05E-04	1.34E-04	1.90E-04	9.35E-05
2919	565144.1	4221912	0.001255	0.001659	5.94E-04	6.65E-04	1.82E-03	5.94E-04	1.65E-04	3.24E-04	1.94E-04	1.28E-04	1.80E-04	8.87E-05
2920	565160.5	4221904	0.001213	0.001604	5.74E-04	6.43E-04	1.76E-03	5.74E-04	1.59E-04	3.13E-04	1.88E-04	1.23E-04	1.74E-04	8.57E-05
2921	564903.6	4222289	0.003275	0.004331	1.55E-03	1.74E-03	4.75E-03	1.55E-03	4.30E-04	8.46E-04	5.08E-04	3.33E-04	4.71E-04	2.32E-04
2922	564904.7	4222298	0.003275	0.004331	1.55E-03	1.74E-03	4.75E-03	1.55E-03	4.30E-04	8.46E-04	5.08E-04	3.33E-04	4.71E-04	2.32E-04
2923	564885.3	4222274	0.003099	0.004098	1.47E-03	1.64E-03	4.49E-03	1.47E-03	4.07E-04	8.01E-04	4.80E-04	3.15E-04	4.46E-04	2.19E-04
2924	564890.6	4222257	0.003141	0.004154	1.49E-03	1.67E-03	4.55E-03	1.49E-03	4.13E-04	8.12E-04	4.87E-04	3.19E-04	4.52E-04	2.22E-04
2925	564895.9	4222239	0.003164	0.004185	1.50E-03	1.68E-03	4.59E-03	1.50E-03	4.16E-04	8.18E-04	4.91E-04	3.22E-04	4.55E-04	2.24E-04
2926	564901.3	4222222	0.003167	0.004188	1.50E-03	1.68E-03	4.59E-03	1.50E-03	4.16E-04	8.18E-04	4.91E-04	3.22E-04	4.55E-04	2.24E-04
2927	564903.9	4222214	0.003159	0.004178	1.50E-03	1.67E-03	4.58E-03	1.50E-03	4.15E-04	8.16E-04	4.90E-04	3.21E-04	4.54E-04	2.23E-04
2928	564909.3	4222197	0.003126	0.004134	1.48E-03	1.66E-03	4.53E-03	1.48E-03	4.11E-04	8.08E-04	4.85E-04	3.18E-04	4.50E-04	2.21E-04
2929	564914.6	4222179	0.003071	0.004061	1.45E-03	1.63E-03	4.45E-03	1.45E-03	4.03E-04	7.93E-04	4.76E-04	3.12E-04	4.42E-04	2.17E-04
2930	564919.9	4222162	0.002996	0.003962	1.42E-03	1.59E-03	4.34E-03	1.42E-03	3.93E-04	7.74E-04	4.64E-04	3.04E-04	4.31E-04	2.12E-04
2931	564922.6	4222154	0.002951	0.003902	1.40E-03	1.56E-03	4.28E-03	1.40E-03	3.88E-04	7.62E-04	4.57E-04	3.00E-04	4.24E-04	2.09E-04
2932	564927.9	4222137	0.002849	0.003768	1.35E-03	1.51E-03	4.13E-03	1.35E-03	3.74E-04	7.36E-04	4.42E-04	2.90E-04	4.10E-04	2.01E-04
2933	564941.2	4222094	0.002543	0.003363	1.20E-03	1.35E-03	3.69E-03	1.20E-03	3.34E-04	6.57E-04	3.94E-04	2.58E-04	3.66E-04	1.80E-04
2934	564946.5	4222077	0.002407	0.003183	1.14E-03	1.28E-03	3.49E-03	1.14E-03	3.16E-04	6.22E-04	3.73E-04	2.45E-04	3.46E-04	1.70E-04
2935	564951.9	4222059	0.002268	0.003	1.07E-03	1.20E-03	3.29E-03	1.07E-03	2.98E-04	5.86E-04	3.52E-04	2.31E-04	3.26E-04	1.60E-04
2936	564957.2	4222042	0.002131	0.002818	1.01E-03	1.13E-03	3.09E-03	1.01E-03	2.80E-04	5.51E-04	3.30E-04	2.17E-04	3.07E-04	1.51E-04
2937	564962.5	4222025	0.001996	0.002639	9.45E-04	1.06E-03	2.89E-03	9.45E-04	2.62E-04	5.16E-04	3.09E-04	2.03E-04	2.87E-04	1.41E-04
2938	564967.9	4222008	0.001864	0.002466	8.83E-04	9.88E-04	2.70E-03	8.83E-04	2.45E-04	4.82E-04	2.89E-04	1.89E-04	2.68E-04	1.32E-04
2939	564973.2	4221991	0.00174	0.002302	8.24E-04	9.23E-04	2.52E-03	8.24E-04	2.29E-04	4.50E-04	2.70E-04	1.77E-04	2.50E-04	1.23E-04
2940	564978.5	4221974	0.001623	0.002147	7.69E-04	8.61E-04	2.35E-03	7.69E-04	2.13E-04	4.19E-04	2.52E-04	1.65E-04	2.33E-04	1.15E-04
2941	564989.4	4221961	0.001548	0.002048	7.33E-04	8.21E-04	2.24E-03	7.33E-04	2.03E-04	4.00E-04	2.40E-04	1.57E-04	2.23E-04	1.09E-04
2942	565022.1	4221947	0.001467	0.00194	6.95E-04	7.78E-04	2.13E-03	6.95E-04	1.93E-04	3.79E-04	2.27E-04	1.49E-04	2.11E-04	1.04E-04
2943	565038.4	4221939	0.001423	0.001883	6.74E-04	7.55E-04	2.06E-03	6.74E-04	1.87E-04	3.68E-04	2.21E-04	1.45E-04	2.05E-04	1.01E-04
2944	565046.6	4221936	0.001402	0.001854	6.64E-04	7.43E-04	2.03E-03	6.64E-04	1.84E-04	3.62E-04	2.17E-04	1.42E-04	2.02E-04	9.91E-05
2945	565063	4221928	0.001358	0.001796	6.43E-04	7.20E-04	1.97E-03	6.43E-04	1.78E-04	3.51E-04	2.11E-04	1.38E-04	1.95E-04	9.61E-05
2946	565079.3	4221921	0.001315	0.001739	6.23E-04	6.97E-04	1.91E-03	6.23E-04	1.73E-04	3.40E-04	2.04E-04	1.34E-04	1.89E-04	9.30E-05
2947	565128.4	4221899	0.001189	0.001573	5.64E-04	6.31E-04	1.72E-03	5.64E-04	1.56E-04	3.07E-04	1.84E-04	1.21E-04	1.71E-04	8.41E-05
2948	565144.7	4221891	0.001151	0.001522	5.45E-04	6.10E-04	1.67E-03	5.45E-04	1.51E-04	2.97E-04	1.78E-04	1.17E-04	1.66E-04	8.14E-05
2949	564882.6	4222282	0.003071	0.004061	1.45E-03	1.63E-03	4.45E-03	1.45E-03	4.03E-04	7.93E-04	4.76E-04	3.12E-04	4.42E-04	2.17E-04
2950	564883.7	4222291	0.003073	0.004065	1.46E-03	1.63E-03	4.46E-03	1.46E-03	4.04E-04	7.94E-04	4.76E-04	3.12E-04	4.42E-04	2.17E-04
2951	564890.3	4222345	0.002994	0.003959	1.42E-03	1.59E-03	4.34E-03	1.42E-03	3.93E-04	7.73E-04	4.64E-04	3.04E-04	4.31E-04	2.12E-04
2952	564865.4	4222276	0.002919	0.00386	1.38E-03	1.55E-03	4.23E-03	1.38E-03	3.83E-04	7.54E-04	4.52E-04	2.97E-04	4.20E-04	2.06E-04
2953	564870.7	4222259	0.002963	0.003918	1.40E-03	1.57E-03	4.30E-03	1.40E-03	3.89E-04	7.65E-04	4.59E-04	3.01E-04	4.26E-04	2.10E-04
2954	564886.6	4222208	0.002986	0.003949	1.41E-03	1.58E-03	4.33E-03	1.41E-03	3.92E-04	7.71E-04	4.63E-04	3.03E-04	4.30E-04	2.11E-04
2955	564891.9	4222191	0.002955	0.003908	1.40E-03	1.57E-03	4.28E-03	1.40E-03	3.88E-04	7.63E-04	4.58E-04	3.00E-04	4.25E-04	2.09E-04
2956	564897.2	4222174	0.002904	0.003841	1.38E-03	1.54E-03	4.21E-03	1.38E-03	3.81E-04	7.50E-04	4.50E-04	2.95E-04	4.18E-04	2.05E-04
2957	564902.5	4222157	0.002835	0.003749	1.34E-03	1.50E-03	4.11E-03	1.34E-03	3.72E-04	7.32E-04	4.39E-04	2.88E-04	4.08E-04	2.00E-04
2958	564907.8	4222140	0.002749	0.003636	1.30E-03	1.46E-03	3.99E-03	1.30E-03	3.61E-04	7.10E-04	4.26E-04	2.79E-04	3.95E-04	1.94E-04
2959	564913.2	4222123	0.00265	0.003504	1.26E-03	1.40E-03	3.84E-03	1.26E-03	3.48E-04	6.85E-04	4.11E-04	2.69E-04	3.81E-04	1.87E-04
2960	564923.8	4222088	0.002423	0.003204	1.15E-03	1.28E-03	3.51E-03	1.15E-03	3.18E-04	6.26E-04	3.76E-04	2.46E-04	3.49E-04	1.71E-04
2961	564939.7	4222037	0.002046	0.002706	9.69E-04	1.08E-03	2.97E-03	9.69E-04	2.69E-04	5.29E-04	3.17E-04	2.08E-04	2.94E-04	1.45E-04
2962	564942.3	4222029	0.001984	0.002623	9.40E-04	1.05E-03	2.88E-03	9.40E-04	2.61E-04	5.12E-04	3.07E-04	2.02E-04	2.85E-04	1.40E-04
2963	564947.6	4222012	0.001861	0.002461	8.82E-04	9.87E-04	2.70E-03	8.82E-04	2.44E-04	4.81E-04	2.88E-04	1.89E-04	2.68E-04	1.32E-04
2964	564952.9	4221995	0.001743	0.002305	8.26E-04	9.24E-04	2.53E-03	8.26E-04	2.29E-04	4.50E-04	2.70E-04	1.77E-04	2.51E-04	1.23E-04
2965	564958.2	4221978	0.001631	0.002157	7.73E-04	8.65E-04	2.36E-03	7.73E-04	2.14E-04	4.21E-04	2.53E-04	1.66E-04	2.35E-04	1.15E-04
2966	564963.5	4221960	0.001525	0.002017	7.22E-04	8.08E-04	2.21E-03	7.22E-04	2.00E-04	3.94E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
2967	564974.3	4221948	0.001457	0.001926	6.90E-04	7.72E-04	2.11E-03	6.90E-04	1.91E-04	3.76E-04	2.26E-04	1.48E-04	2.10E-04	1.03E-04
2968	564982.5	4221945	0.001439	0.001902	6.81E-04	7.63E-04	2.09E-03	6.81E-04	1.89E-04	3.72E-04	2.23E-04	1.46E-04	2.07E-04	1.02E-04
2969	564998.8	4221937	0.001402	0.001854	6.64E-04	7.43E-04	2.03E-03	6.64E-04	1.84E-04	3.62E-04	2.17E-04	1.42E-04	2.02E-04	9.91E-05
2970	565015	4221930	0.001364	0.001804	6.46E-04	7.23E-04	1.98E-03	6.46E-04	1.79E-04	3.52E-04	2.11E-04	1.39E-04	1.96E-04	9.65E-05
2971	565023.2	4221926	0.001344	0.001777	6.37E-04	7.13E-04	1.95E-03	6.37E-04	1.77E-04	3.47E-04	2.08E-04	1.37E-04	1.93E-04	9.51E-05
2972	565039.5	4221919	0.001304	0.001725	6.18E-04	6.92E-04	1.89E-03	6.18E-04	1.71E-04	3.37E-04	2.02E-04	1.33E-04	1.88E-04	9.22E-05
2973	565047.6	4221915	0.001284	0.001699	6.09E-04	6.81E-04	1.86E-03	6.09E-04	1.69E-04	3.32E-04	1.99E-04	1.31E-04	1.85E-04	9.08E-05
2974	565063.9	4221908	0.001244	0.001646	5.90E-04	6.60E-04	1.80E-03	5.90E-04	1.63E-04	3.22E-04	1.93E-04	1.26E-04	1.79E-04	8.80E-05
2975	565072	4221904	0.001225	0.00162	5.80E-04	6.49E-04	1.78E-03	5.80E-04	1.61E-04	3.16E-04	1.90E-04	1.24E-04	1.76E-04	8.66E-05
2976	565088.3	4221897	0.001186	0.001568	5.62E-04	6.29E-04	1.72E-03	5.62E-04	1.56E-04	3.06E-04	1.84E-04	1.20E-04	1.71E-04	8.38E-05
2977	565112.7	4221886	0.001129	0.001494	5.35E-04	5.99E-04	1.64E-03	5.35E-04	1.48E-04	2.92E-04	1.75E-04	1.15E-04	1.62E-04	7.99E-05
2978	565129	4221878	0.001094	0.001447	5.18E-04	5.80E-04	1.59E-03	5.18E-04	1.44E-04	2.83E-04	1.70E-04	1.11E-04	1.57E-04	7.74E-05
2979	565137.2	4221875	0.001077	0.001425	5.10E-04	5.71E-04	1.56E-03	5.10E-04	1.41E-04	2.78E-04	1.67E-04	1.09E-04	1.55E-04	7.62E-05
2980	564866	4222312	0.002879	0.003807	1.36E-03	1.53E-03	4.17E-03	1.36E-03	3.78E-04	7.44E-04	4.46E-04	2.93E-04	4.14E-04	2.04E-04
2981	564867.1	4222321	0.002866	0.00379	1.36E-03	1.52E-03	4.15E-03	1.36E-03	3.76E-04	7.40E-04	4.44E-04	2.91E-04	4.12E-04	2.03E-04
2982	564868.2	4222330	0.002849	0.003768	1.35E-03	1.51E-03	4.13E-03	1.35E-03	3.74E-04	7.36E-04	4.42E-04	2.90E-04	4.10E-04	2.02E-04
2983	564869.3	4222338	0.00283	0.003742	1.34E-03	1.50E-03	4.10E-03	1.34E-03	3.72E-04	7.31E-04	4.39E-04	2.88E-04	4.07E-04	2.00E-04
2984	564856.1	4222245	0.002827	0.003739	1.34E-03	1.50E-03	4.10E-03	1.34E-03	3.71E-04	7.30E-04	4.38E-04	2.87E-04	4.07E-04	2.00E-04
2985	564861.4	4222228	0.002841	0.003758	1.35E-03	1.51E-03	4.12E-03	1.35E-03	3.73E-04	7.34E-04	4.40E-04	2.89E-04	4.09E-04	2.01E-04
2986	564877.2	4222177	0.002776	0.003671	1.32E-03	1.47E-03	4.02E-03	1.32E-03	3.65E-04	7.17E-04	4.30E-04	2.82E-04	3.99E-04	1.96E-04
2987	564882.5	4222160	0.002721	0.003598	1.29E-03	1.44E-03	3.94E-03	1.29E-03	3.57E-04	7.03E-04	4.22E-04	2.76E-04	3.91E-04	1.92E-04
2988	564887.8	4222143	0.00265	0.003505	1.26E-03	1.41E-03	3.84E-03	1.26E-03	3.48E-04	6.85E-04	4.11E-04	2.69E-04	3.81E-04	1.87E-04
2989	564893.1	4222126	0.002566	0.003393	1.22E-03	1.36E-03	3.72E-03	1.22E-03	3.37E-04	6.63E-04	3.98E-04	2.61E-04	3.69E-04	1.81E-04
2990	564903.7	4222092	0.002365	0.003128	1.12E-03	1.25E-03	3.43E-03	1.12E-03	3.11E-04	6.11E-04	3.67E-04	2.40E-04	3.40E-04	1.67E-04
2991	564908.9	4222075	0.002255	0.002982	1.07E-03	1.20E-03	3.27E-03	1.07E-03	2.96E-04	5.82E-04	3.49E-04	2.29E-04	3.24E-04	1.59E-04
2992	564914.2	4222058	0.00214	0.00283	1.01E-03	1.13E-03	3.10E-03	1.01E-03	2.81E-04	5.53E-04	3.32E-04	2.17E-04	3.08E-04	1.51E-04
2993	564919.5	4222041	0.002023	0.002676	9.59E-04	1.07E-03	2.93E-03	9.59E-04	2.66E-04	5.23E-04	3.14E-04	2.06E-04	2.91E-04	1.43E-04
2994	564924.8	4222024	0.001908	0.002524	9.04E-04	1.01E-03	2.77E-03	9.04E-04	2.51E-04	4.93E-04	2.96E-04	1.94E-04	2.74E-04	1.35E-04
2995	564940.6	4221973	0.001582	0.002092	7.49E-04	8.39E-04	2.29E-03	7.49E-04	2.08E-04	4.09E-04	2.45E-04	1.61E-04	2.28E-04	1.12E-04
2996	564945.9	4221956	0.001483	0.001961	7.03E-04	7.86E-04	2.15E-03	7.03E-04	1.95E-04	3.83E-04	2.30E-04	1.51E-04	2.13E-04	1.05E-04
2997	564959.3	4221935	0.001373	0.001816	6.50E-04	7.28E-04	1.99E-03	6.50E-04	1.80E-04	3.55E-04	2.13E-04	1.40E-04	1.98E-04	9.71E-05
2998	564975.5	4221928	0.00134	0.001772	6.35E-04	7.10E-04	1.94E-03	6.35E-04	1.76E-04	3.46E-04	2.08E-04	1.36E-04	1.93E-04	9.47E-05
2999	564991.7	4221920	0.001306	0.001727	6.19E-04	6.92E-04	1.89E-03	6.19E-04	1.71E-04	3.37E-04	2.02E-04	1.33E-04	1.88E-04	9.23E-05
3000	564999.9	4221917	0.001288	0.001704	6.10E-04	6.83E-04	1.87E-03	6.10E-04	1.69E-04	3.33E-04	2.00E-04	1.31E-04	1.85E-04	9.11E-05

3001	565016.1	4221909	0.001252	0.001656	5.93E-04	6.64E-04	1.82E-03	5.93E-04	1.64E-04	3.24E-04	1.94E-04	1.27E-04	1.80E-04	8.86E-05
3002	565024.2	4221906	0.001234	0.001632	5.85E-04	6.54E-04	1.79E-03	5.85E-04	1.62E-04	3.19E-04	1.91E-04	1.25E-04	1.78E-04	8.73E-05
3003	565040.4	4221898	0.001197	0.001584	5.67E-04	6.35E-04	1.74E-03	5.67E-04	1.57E-04	3.09E-04	1.86E-04	1.22E-04	1.72E-04	8.47E-05
3004	565048.5	4221895	0.001179	0.00156	5.59E-04	6.25E-04	1.71E-03	5.59E-04	1.55E-04	3.05E-04	1.83E-04	1.20E-04	1.70E-04	8.34E-05
3005	565064.7	4221887	0.001143	0.001512	5.42E-04	6.06E-04	1.66E-03	5.42E-04	1.50E-04	2.95E-04	1.77E-04	1.16E-04	1.64E-04	8.09E-05
3006	565072.8	4221884	0.001126	0.001489	5.33E-04	5.97E-04	1.63E-03	5.33E-04	1.48E-04	2.91E-04	1.74E-04	1.14E-04	1.62E-04	7.96E-05
3007	565097.2	4221873	0.001075	0.001421	5.09E-04	5.70E-04	1.56E-03	5.09E-04	1.41E-04	2.78E-04	1.67E-04	1.09E-04	1.55E-04	7.60E-05
3008	565113.4	4221865	0.001042	0.001378	4.94E-04	5.53E-04	1.51E-03	4.94E-04	1.37E-04	2.69E-04	1.62E-04	1.06E-04	1.50E-04	7.37E-05
3009	565121.5	4221862	0.001027	0.001358	4.86E-04	5.44E-04	1.49E-03	4.86E-04	1.35E-04	2.65E-04	1.59E-04	1.04E-04	1.48E-04	7.26E-05
3010	564844	4222296	0.002721	0.003599	1.29E-03	1.44E-03	3.94E-03	1.29E-03	3.57E-04	7.03E-04	4.22E-04	2.77E-04	3.91E-04	1.92E-04
3011	564845.1	4222305	0.002716	0.003592	1.29E-03	1.44E-03	3.94E-03	1.29E-03	3.57E-04	7.02E-04	4.21E-04	2.76E-04	3.91E-04	1.92E-04
3012	564846.2	4222314	0.002707	0.00358	1.28E-03	1.44E-03	3.92E-03	1.28E-03	3.55E-04	6.99E-04	4.20E-04	2.75E-04	3.89E-04	1.91E-04
3013	564847.3	4222323	0.002694	0.003563	1.28E-03	1.43E-03	3.91E-03	1.28E-03	3.54E-04	6.96E-04	4.18E-04	2.74E-04	3.88E-04	1.91E-04
3014	564848.4	4222332	0.002679	0.003543	1.27E-03	1.42E-03	3.88E-03	1.27E-03	3.52E-04	6.92E-04	4.15E-04	2.72E-04	3.85E-04	1.89E-04
3015	564849.5	4222341	0.00266	0.003518	1.26E-03	1.41E-03	3.86E-03	1.26E-03	3.49E-04	6.87E-04	4.12E-04	2.70E-04	3.83E-04	1.88E-04
3016	564850.5	4222350	0.002639	0.00349	1.25E-03	1.40E-03	3.83E-03	1.25E-03	3.47E-04	6.82E-04	4.09E-04	2.68E-04	3.80E-04	1.87E-04
3017	564825.7	4222281	0.002597	0.003435	1.23E-03	1.38E-03	3.77E-03	1.23E-03	3.41E-04	6.71E-04	4.03E-04	2.64E-04	3.74E-04	1.84E-04
3018	564836.2	4222247	0.002674	0.003537	1.27E-03	1.42E-03	3.88E-03	1.27E-03	3.51E-04	6.91E-04	4.15E-04	2.72E-04	3.85E-04	1.89E-04
3019	564841.5	4222230	0.002693	0.003562	1.28E-03	1.43E-03	3.90E-03	1.28E-03	3.54E-04	6.96E-04	4.17E-04	2.74E-04	3.87E-04	1.90E-04
3020	564846.7	4222213	0.002697	0.003566	1.28E-03	1.43E-03	3.91E-03	1.28E-03	3.54E-04	6.97E-04	4.18E-04	2.74E-04	3.88E-04	1.91E-04
3021	564857.3	4222179	0.002653	0.003509	1.26E-03	1.41E-03	3.85E-03	1.26E-03	3.48E-04	6.85E-04	4.11E-04	2.70E-04	3.82E-04	1.88E-04
3022	564862.5	4222163	0.002609	0.00345	1.24E-03	1.38E-03	3.78E-03	1.24E-03	3.43E-04	6.74E-04	4.04E-04	2.65E-04	3.75E-04	1.84E-04
3023	564867.8	4222146	0.002552	0.003374	1.21E-03	1.35E-03	3.70E-03	1.21E-03	3.35E-04	6.59E-04	3.96E-04	2.59E-04	3.67E-04	1.80E-04
3024	564873.1	4222129	0.002481	0.003281	1.18E-03	1.32E-03	3.60E-03	1.18E-03	3.26E-04	6.41E-04	3.85E-04	2.52E-04	3.57E-04	1.75E-04
3025	564883.6	4222095	0.002305	0.003049	1.09E-03	1.22E-03	3.34E-03	1.09E-03	3.03E-04	5.96E-04	3.57E-04	2.34E-04	3.32E-04	1.63E-04
3026	564888.8	4222078	0.002206	0.002918	1.05E-03	1.17E-03	3.20E-03	1.05E-03	2.90E-04	5.70E-04	3.42E-04	2.24E-04	3.17E-04	1.56E-04
3027	564894.1	4222061	0.002103	0.002781	9.96E-04	1.11E-03	3.05E-03	9.96E-04	2.76E-04	5.43E-04	3.26E-04	2.14E-04	3.02E-04	1.49E-04
3028	564899.4	4222044	0.001997	0.002641	9.46E-04	1.06E-03	2.90E-03	9.46E-04	2.62E-04	5.16E-04	3.10E-04	2.03E-04	2.87E-04	1.41E-04
3029	564904.6	4222027	0.001891	0.0025	8.96E-04	1.00E-03	2.74E-03	8.96E-04	2.48E-04	4.88E-04	2.93E-04	1.92E-04	2.72E-04	1.34E-04
3030	564909.9	4222010	0.001786	0.002362	8.46E-04	9.47E-04	2.59E-03	8.46E-04	2.35E-04	4.61E-04	2.77E-04	1.81E-04	2.57E-04	1.26E-04
3031	564915.2	4221993	0.001682	0.002225	7.97E-04	8.92E-04	2.44E-03	7.97E-04	2.21E-04	4.35E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
3032	564920.4	4221976	0.001582	0.002092	7.49E-04	8.39E-04	2.29E-03	7.49E-04	2.08E-04	4.09E-04	2.45E-04	1.61E-04	2.28E-04	1.12E-04
3033	564925.7	4221959	0.001487	0.001966	7.04E-04	7.88E-04	2.16E-03	7.04E-04	1.95E-04	3.84E-04	2.30E-04	1.51E-04	2.14E-04	1.05E-04
3034	564944.3	4221922	0.001296	0.001714	6.14E-04	6.87E-04	1.88E-03	6.14E-04	1.70E-04	3.35E-04	2.01E-04	1.32E-04	1.86E-04	9.17E-05
3035	564952.4	4221918	0.001281	0.001694	6.07E-04	6.79E-04	1.86E-03	6.07E-04	1.68E-04	3.31E-04	1.99E-04	1.30E-04	1.84E-04	9.06E-05
3036	564968.5	4221911	0.00125	0.001654	5.92E-04	6.63E-04	1.81E-03	5.92E-04	1.64E-04	3.23E-04	1.94E-04	1.27E-04	1.80E-04	8.84E-05
3037	564976.6	4221907	0.001235	0.001633	5.85E-04	6.55E-04	1.79E-03	5.85E-04	1.62E-04	3.19E-04	1.91E-04	1.25E-04	1.78E-04	8.73E-05
3038	564992.8	4221900	0.001203	0.00159	5.70E-04	6.38E-04	1.74E-03	5.70E-04	1.58E-04	3.11E-04	1.86E-04	1.22E-04	1.73E-04	8.50E-05
3039	565000.8	4221896	0.001186	0.001569	5.62E-04	6.29E-04	1.72E-03	5.62E-04	1.56E-04	3.06E-04	1.84E-04	1.21E-04	1.71E-04	8.39E-05
3040	565017	4221889	0.001153	0.001524	5.46E-04	6.11E-04	1.67E-03	5.46E-04	1.51E-04	2.98E-04	1.79E-04	1.17E-04	1.66E-04	8.15E-05
3041	565033.2	4221882	0.001119	0.00148	5.30E-04	5.93E-04	1.62E-03	5.30E-04	1.47E-04	2.89E-04	1.74E-04	1.14E-04	1.61E-04	7.92E-05
3042	565049.3	4221874	0.001086	0.001437	5.15E-04	5.76E-04	1.57E-03	5.15E-04	1.43E-04	2.81E-04	1.68E-04	1.10E-04	1.56E-04	7.68E-05
3043	565057.4	4221871	0.00107	0.001416	5.07E-04	5.67E-04	1.55E-03	5.07E-04	1.41E-04	2.77E-04	1.66E-04	1.09E-04	1.54E-04	7.57E-05
3044	565081.6	4221860	0.001024	0.001354	4.85E-04	5.43E-04	1.48E-03	4.85E-04	1.34E-04	2.65E-04	1.59E-04	1.04E-04	1.47E-04	7.24E-05
3045	565097.8	4221852	0.000994	0.001314	4.71E-04	5.27E-04	1.44E-03	4.71E-04	1.31E-04	2.57E-04	1.54E-04	1.01E-04	1.43E-04	7.03E-05
3046	565105.9	4221849	0.000979	0.001295	4.64E-04	5.19E-04	1.42E-03	4.64E-04	1.29E-04	2.53E-04	1.52E-04	9.95E-05	1.41E-04	6.92E-05
3047	564824.2	4222299	0.002567	0.003395	1.22E-03	1.36E-03	3.72E-03	1.22E-03	3.37E-04	6.63E-04	3.98E-04	2.61E-04	3.69E-04	1.82E-04
3048	564825.2	4222307	0.002561	0.003386	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.61E-04	3.97E-04	2.60E-04	3.68E-04	1.81E-04
3049	564826.3	4222316	0.002551	0.003374	1.21E-03	1.35E-03	3.70E-03	1.21E-03	3.35E-04	6.59E-04	3.95E-04	2.59E-04	3.67E-04	1.80E-04
3050	564827.4	4222325	0.002539	0.003358	1.20E-03	1.35E-03	3.68E-03	1.20E-03	3.33E-04	6.56E-04	3.94E-04	2.58E-04	3.65E-04	1.80E-04
3051	564828.5	4222334	0.002524	0.003338	1.20E-03	1.34E-03	3.66E-03	1.20E-03	3.31E-04	6.52E-04	3.91E-04	2.56E-04	3.63E-04	1.78E-04
3052	564829.6	4222343	0.002506	0.003314	1.19E-03	1.33E-03	3.63E-03	1.19E-03	3.29E-04	6.47E-04	3.89E-04	2.55E-04	3.60E-04	1.77E-04
3053	564805.8	4222284	0.002458	0.003251	1.16E-03	1.30E-03	3.56E-03	1.16E-03	3.23E-04	6.35E-04	3.81E-04	2.50E-04	3.54E-04	1.74E-04
3054	564811.1	4222267	0.002502	0.003309	1.19E-03	1.33E-03	3.63E-03	1.19E-03	3.29E-04	6.46E-04	3.88E-04	2.54E-04	3.60E-04	1.77E-04
3055	564821.6	4222233	0.002557	0.003381	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.61E-04	3.96E-04	2.60E-04	3.68E-04	1.81E-04
3056	564826.8	4222216	0.002565	0.003392	1.22E-03	1.36E-03	3.72E-03	1.22E-03	3.37E-04	6.63E-04	3.98E-04	2.61E-04	3.69E-04	1.81E-04
3057	564832.1	4222199	0.002558	0.003383	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.61E-04	3.97E-04	2.60E-04	3.68E-04	1.81E-04
3058	564837.3	4222182	0.002538	0.003356	1.20E-03	1.35E-03	3.68E-03	1.20E-03	3.33E-04	6.56E-04	3.93E-04	2.58E-04	3.65E-04	1.79E-04
3059	564842.5	4222165	0.002503	0.00331	1.19E-03	1.33E-03	3.63E-03	1.19E-03	3.29E-04	6.47E-04	3.88E-04	2.54E-04	3.60E-04	1.77E-04
3060	564847.8	4222149	0.002456	0.003247	1.16E-03	1.30E-03	3.56E-03	1.16E-03	3.22E-04	6.34E-04	3.81E-04	2.50E-04	3.53E-04	1.74E-04
3061	564853	4222132	0.002396	0.003169	1.14E-03	1.27E-03	3.47E-03	1.14E-03	3.15E-04	6.19E-04	3.71E-04	2.44E-04	3.45E-04	1.69E-04
3062	564863.5	4222098	0.002245	0.002969	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.95E-04	5.80E-04	3.48E-04	2.28E-04	3.23E-04	1.59E-04
3063	564868.8	4222081	0.002157	0.002852	1.02E-03	1.14E-03	3.13E-03	1.02E-03	2.83E-04	5.57E-04	3.34E-04	2.19E-04	3.10E-04	1.53E-04
3064	564874	4222064	0.002063	0.002729	9.78E-04	1.09E-03	2.99E-03	9.78E-04	2.71E-04	5.33E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
3065	564879.3	4222047	0.001967	0.002601	9.32E-04	1.04E-03	2.85E-03	9.32E-04	2.58E-04	5.08E-04	3.05E-04	2.00E-04	2.83E-04	1.39E-04
3066	564884.5	4222030	0.001869	0.002472	8.85E-04	9.91E-04	2.71E-03	8.85E-04	2.45E-04	4.83E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
3067	564889.8	4222013	0.001771	0.002343	8.39E-04	9.39E-04	2.57E-03	8.39E-04	2.33E-04	4.58E-04	2.75E-04	1.80E-04	2.55E-04	1.25E-04
3068	564895	4221997	0.001674	0.002214	7.93E-04	8.88E-04	2.43E-03	7.93E-04	2.20E-04	4.33E-04	2.60E-04	1.70E-04	2.41E-04	1.18E-04
3069	564900.2	4221980	0.001579	0.002089	7.48E-04	8.37E-04	2.29E-03	7.48E-04	2.07E-04	4.08E-04	2.45E-04	1.60E-04	2.27E-04	1.12E-04
3070	564905.5	4221963	0.001488	0.001969	7.05E-04	7.89E-04	2.16E-03	7.05E-04	1.95E-04	3.85E-04	2.31E-04	1.51E-04	2.14E-04	1.05E-04
3071	564910.7	4221946	0.001402	0.001854	6.64E-04	7.43E-04	2.03E-03	6.64E-04	1.84E-04	3.62E-04	2.17E-04	1.42E-04	2.02E-04	9.91E-05
3072	564916	4221929	0.001319	0.001744	6.25E-04	6.99E-04	1.91E-03	6.25E-04	1.73E-04	3.41E-04	2.04E-04	1.34E-04	1.90E-04	9.33E-05
3073	564945.4	4221901	0.001199	0.001585	5.68E-04	6.35E-04	1.74E-03	5.68E-04	1.57E-04	3.10E-04	1.86E-04	1.22E-04	1.72E-04	8.48E-05
3074	564953.4	4221898	0.001184	0.001566	5.61E-04	6.28E-04	1.72E-03	5.61E-04	1.56E-04	3.06E-04	1.84E-04	1.20E-04	1.70E-04	8.37E-05
3075	564969.5	4221890	0.001155	0.001528	5.47E-04	6.12E-04	1.67E-03	5.47E-04	1.52E-04	2.98E-04	1.79E-04	1.17E-04	1.66E-04	8.17E-05
3076	564985.6	4221883	0.001125	0.001488	5.33E-04	5.97E-04	1.63E-03	5.33E-04	1.48E-04	2.91E-04	1.74E-04	1.14E-04	1.62E-04	7.96E-05
3077	565001.7	4221876	0.001095	0.001448	5.19E-04	5.80E-04	1.59E-03	5.19E-04	1.44E-04	2.83E-04	1.70E-04	1.11E-04	1.57E-04	7.74E-05
3078	565050.1	4221854	0.001004	0.001328	4.76E-04	5.32E-04	1.46E-03	4.76E-04	1.32E-04	2.59E-04	1.56E-04	1.02E-04	1.44E-04	7.10E-05
3079	565066.2	4221847	0.000976	0.001291	4.62E-04	5.18E-04	1.42E-03	4.62E-04	1.28E-04	2.52E-04	1.51E-04	9.92E-05	1.40E-04	6.90E-05
3080	565082.3	4221839	0.000948	0.001254	4.49E-04	5.03E-04	1.38E-03	4.49E-04	1.25E-04	2.45E-04	1.47E-04	9.64E-05	1.36E-04	6.71E-05
3081	564804.3	4222301	0.002427	0.00321	1.15E-03	1.29E-03	3.52E-03	1.15E-03	3.19E-04	6.27E-04	3.76E-04	2.47E-04	3.49E-04	1.72E-04
3082	564805.4	4222310	0.00242	0.0032	1.15E-03	1.28E-03	3.51E-03	1.15E-03	3.18E-04	6.25E-04	3.75E-04	2.46E-04	3.48E-04	1.71E-04
3083	564806.5	4222319	0.00241	0.003187	1.14E-03	1.28E-03	3.49E-03	1.14E-03	3.16E-04	6.23E-04	3.74E-04	2.45E-04	3.47E-04	1.70E-04
3084	564807.6	4222328	0.002397	0.00317	1.14E-03	1.27E-03	3.48E-03	1.14E-03	3.15E-04	6.19E-04	3.72E-04	2.44E-04	3.45E-04	1.70E-04
3085	564809.7	4222346	0.002365	0.003128	1.12E-03	1.25E-03	3.43E-03	1.12E-03	3.11E-04	6.11E-04	3.67E-04	2.40E-04	3.40E-04	1.67E-04
3086	564810.8	4222355	0.002346	0.003102	1.11E-03	1.24E-03	3.40E-03	1.11E-03	3.08E-04	6.06E-04	3.64E-04	2.38E-04	3.37E-04	1.66E-04
3087	564786	4222286	0.002328	0.003079	1.10E-03	1.23E-03	3.38E-03	1.10E-03	3.06E-04	6.01E-04	3.61E-04	2.37E-04	3.35E-04	1.65E-04
3088	564788.7	4222277	0.002351	0.00311	1.11E-03	1.25E-03	3.41E-03	1.11E-03	3.09E-04	6.07E-04	3.65E-04	2.39E-04	3.38E-04	1.66E-04
3089	564794	4222260	0.002392	0.003164	1.13E-03	1.27E-03	3.47E-03	1.13E-03	3.14E-04	6.18E-04	3.71E-04	2.43E-04	3.44E-04	1.69E-04
3090	564799.4	4222243	0.002422	0.003203	1.15E-03	1.28E-03	3.51E-03	1.15E-03	3.18E-04	6.26E-04	3.75E-04	2.46E-04	3.48E-04	1.71E-04
3091	564807.4	4222217	0.002443	0.003231	1.16E-03	1.30E-03	3.54E-03	1.16E-03	3.21E-04	6.31E-04	3.79E-04	2.48E-04	3.51E-04	1.73E-04

3092	564812.7	4222200	0.002441	0.003228	1.16E-03	1.29E-03	3.54E-03	1.16E-03	3.21E-04	6.31E-04	3.78E-04	2.48E-04	3.51E-04	1.73E-04
3093	564815.4	4222191	0.002435	0.00322	1.15E-03	1.29E-03	3.53E-03	1.15E-03	3.20E-04	6.29E-04	3.77E-04	2.47E-04	3.50E-04	1.72E-04
3094	564820.8	4222174	0.002412	0.00319	1.14E-03	1.28E-03	3.50E-03	1.14E-03	3.17E-04	6.23E-04	3.74E-04	2.45E-04	3.47E-04	1.71E-04
3095	564826.1	4222157	0.002377	0.003143	1.13E-03	1.26E-03	3.45E-03	1.13E-03	3.12E-04	6.14E-04	3.68E-04	2.42E-04	3.42E-04	1.68E-04
3096	564831.4	4222140	0.002329	0.00308	1.10E-03	1.23E-03	3.38E-03	1.10E-03	3.06E-04	6.02E-04	3.61E-04	2.37E-04	3.35E-04	1.65E-04
3097	564836.8	4222122	0.002269	0.003001	1.08E-03	1.20E-03	3.29E-03	1.08E-03	2.98E-04	5.86E-04	3.52E-04	2.31E-04	3.26E-04	1.61E-04
3098	564844.8	4222097	0.002163	0.00286	1.02E-03	1.15E-03	3.14E-03	1.02E-03	2.84E-04	5.59E-04	3.35E-04	2.20E-04	3.11E-04	1.53E-04
3099	564863.5	4222037	0.00186	0.002459	8.81E-04	9.86E-04	2.70E-03	8.81E-04	2.44E-04	4.80E-04	2.88E-04	1.89E-04	2.67E-04	1.32E-04
3100	564868.8	4222019	0.001767	0.002337	8.37E-04	9.37E-04	2.56E-03	8.37E-04	2.32E-04	4.56E-04	2.74E-04	1.80E-04	2.54E-04	1.25E-04
3101	564871.5	4222011	0.001721	0.002276	8.15E-04	9.12E-04	2.49E-03	8.15E-04	2.26E-04	4.45E-04	2.67E-04	1.75E-04	2.48E-04	1.22E-04
3102	564876.9	4221994	0.001628	0.002154	7.71E-04	8.63E-04	2.36E-03	7.71E-04	2.14E-04	4.21E-04	2.52E-04	1.65E-04	2.34E-04	1.15E-04
3103	564882.2	4221976	0.001538	0.002034	7.29E-04	8.15E-04	2.23E-03	7.29E-04	2.02E-04	3.97E-04	2.38E-04	1.56E-04	2.21E-04	1.09E-04
3104	564884.9	4221968	0.001494	0.001976	7.08E-04	7.92E-04	2.17E-03	7.08E-04	1.96E-04	3.86E-04	2.32E-04	1.52E-04	2.15E-04	1.06E-04
3105	564890.2	4221951	0.001409	0.001863	6.67E-04	7.47E-04	2.04E-03	6.67E-04	1.85E-04	3.64E-04	2.18E-04	1.43E-04	2.03E-04	9.96E-05
3106	564895.6	4221933	0.001327	0.001755	6.29E-04	7.04E-04	1.92E-03	6.29E-04	1.74E-04	3.43E-04	2.06E-04	1.35E-04	1.91E-04	9.39E-05
3107	564900.9	4221916	0.00125	0.001653	5.92E-04	6.63E-04	1.81E-03	5.92E-04	1.64E-04	3.23E-04	1.94E-04	1.27E-04	1.80E-04	8.84E-05
3108	564914.4	4221895	0.001163	0.001539	5.51E-04	6.17E-04	1.69E-03	5.51E-04	1.53E-04	3.01E-04	1.80E-04	1.18E-04	1.67E-04	8.23E-05
3109	564922.6	4221892	0.00115	0.001521	5.45E-04	6.10E-04	1.67E-03	5.45E-04	1.51E-04	2.97E-04	1.78E-04	1.17E-04	1.65E-04	8.13E-05
3110	564939	4221884	0.001123	0.001485	5.32E-04	5.95E-04	1.63E-03	5.32E-04	1.47E-04	2.90E-04	1.74E-04	1.14E-04	1.62E-04	7.94E-05
3111	564955.5	4221877	0.001095	0.001448	5.19E-04	5.81E-04	1.59E-03	5.19E-04	1.44E-04	2.83E-04	1.70E-04	1.11E-04	1.57E-04	7.74E-05
3112	564971.9	4221869	0.001067	0.001411	5.05E-04	5.66E-04	1.55E-03	5.05E-04	1.40E-04	2.76E-04	1.65E-04	1.08E-04	1.53E-04	7.54E-05
3113	564980.1	4221866	0.001052	0.001392	4.99E-04	5.58E-04	1.53E-03	4.99E-04	1.38E-04	2.72E-04	1.63E-04	1.07E-04	1.51E-04	7.44E-05
3114	564996.5	4221858	0.001024	0.001354	4.85E-04	5.43E-04	1.48E-03	4.85E-04	1.34E-04	2.64E-04	1.59E-04	1.04E-04	1.47E-04	7.24E-05
3115	565012.9	4221851	0.000995	0.001316	4.71E-04	5.28E-04	1.44E-03	4.71E-04	1.31E-04	2.57E-04	1.54E-04	1.01E-04	1.43E-04	7.04E-05
3116	565021.1	4221847	0.000981	0.001298	4.65E-04	5.20E-04	1.42E-03	4.65E-04	1.29E-04	2.53E-04	1.52E-04	9.97E-05	1.41E-04	6.94E-05
3117	565037.5	4221840	0.000954	0.001261	4.52E-04	5.06E-04	1.38E-03	4.52E-04	1.25E-04	2.46E-04	1.48E-04	9.69E-05	1.37E-04	6.74E-05
3118	565053.9	4221832	0.000927	0.001226	4.39E-04	4.91E-04	1.34E-03	4.39E-04	1.22E-04	2.39E-04	1.44E-04	9.42E-05	1.33E-04	6.55E-05
3119	565070.3	4221825	0.000901	0.001191	4.27E-04	4.78E-04	1.31E-03	4.27E-04	1.18E-04	2.33E-04	1.40E-04	9.15E-05	1.30E-04	6.37E-05
3120	565078.5	4221821	0.000888	0.001175	4.21E-04	4.71E-04	1.29E-03	4.21E-04	1.17E-04	2.29E-04	1.38E-04	9.03E-05	1.28E-04	6.28E-05
3121	564784.4	4222303	0.002298	0.003039	1.09E-03	1.22E-03	3.33E-03	1.09E-03	3.02E-04	5.94E-04	3.56E-04	2.34E-04	3.31E-04	1.63E-04
3122	564785.5	4222312	0.00229	0.003029	1.09E-03	1.21E-03	3.32E-03	1.09E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.29E-04	1.62E-04
3123	564786.6	4222321	0.00228	0.003015	1.08E-03	1.21E-03	3.31E-03	1.08E-03	2.99E-04	5.89E-04	3.53E-04	2.32E-04	3.28E-04	1.61E-04
3124	564789.9	4222348	0.002236	0.002957	1.06E-03	1.19E-03	3.24E-03	1.06E-03	2.94E-04	5.78E-04	3.47E-04	2.27E-04	3.22E-04	1.58E-04
3125	564791	4222357	0.002218	0.002933	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.91E-04	5.73E-04	3.44E-04	2.25E-04	3.19E-04	1.57E-04
3126	564766.2	4222288	0.002208	0.002921	1.05E-03	1.17E-03	3.20E-03	1.05E-03	2.90E-04	5.71E-04	3.42E-04	2.24E-04	3.18E-04	1.56E-04
3127	564771.5	4222271	0.002252	0.002978	1.07E-03	1.19E-03	3.26E-03	1.07E-03	2.96E-04	5.82E-04	3.49E-04	2.29E-04	3.24E-04	1.59E-04
3128	564776.8	4222254	0.002289	0.003027	1.08E-03	1.21E-03	3.32E-03	1.08E-03	3.01E-04	5.91E-04	3.55E-04	2.33E-04	3.29E-04	1.62E-04
3129	564782.1	4222237	0.002314	0.00306	1.10E-03	1.23E-03	3.35E-03	1.10E-03	3.04E-04	5.98E-04	3.59E-04	2.35E-04	3.33E-04	1.64E-04
3130	564792.8	4222203	0.00233	0.003082	1.10E-03	1.24E-03	3.38E-03	1.10E-03	3.06E-04	6.02E-04	3.61E-04	2.37E-04	3.35E-04	1.65E-04
3131	564798.1	4222185	0.002321	0.00307	1.10E-03	1.23E-03	3.37E-03	1.10E-03	3.05E-04	6.00E-04	3.60E-04	2.36E-04	3.34E-04	1.64E-04
3132	564803.4	4222168	0.0023	0.003042	1.09E-03	1.22E-03	3.34E-03	1.09E-03	3.02E-04	5.94E-04	3.57E-04	2.34E-04	3.31E-04	1.63E-04
3133	564808.7	4222151	0.002267	0.002998	1.07E-03	1.20E-03	3.29E-03	1.07E-03	2.98E-04	5.86E-04	3.51E-04	2.30E-04	3.26E-04	1.60E-04
3134	564814.1	4222134	0.002222	0.002938	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.92E-04	5.74E-04	3.44E-04	2.26E-04	3.20E-04	1.57E-04
3135	564824.7	4222100	0.002102	0.00278	9.96E-04	1.11E-03	3.05E-03	9.96E-04	2.76E-04	5.43E-04	3.26E-04	2.14E-04	3.02E-04	1.49E-04
3136	564830	4222083	0.002032	0.002687	9.62E-04	1.08E-03	2.95E-03	9.62E-04	2.67E-04	5.25E-04	3.15E-04	2.06E-04	2.92E-04	1.44E-04
3137	564835.4	4222066	0.001955	0.002586	9.26E-04	1.04E-03	2.83E-03	9.26E-04	2.57E-04	5.05E-04	3.03E-04	1.99E-04	2.81E-04	1.38E-04
3138	564840.7	4222048	0.001873	0.002477	8.87E-04	9.93E-04	2.72E-03	8.87E-04	2.46E-04	4.84E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
3139	564846	4222031	0.001789	0.002365	8.47E-04	9.48E-04	2.59E-03	8.47E-04	2.35E-04	4.62E-04	2.77E-04	1.82E-04	2.57E-04	1.26E-04
3140	564862	4221980	0.001532	0.002026	7.26E-04	8.12E-04	2.22E-03	7.26E-04	2.01E-04	3.96E-04	2.37E-04	1.56E-04	2.20E-04	1.08E-04
3141	564867.3	4221963	0.001449	0.001917	6.87E-04	7.68E-04	2.10E-03	6.87E-04	1.90E-04	3.74E-04	2.25E-04	1.47E-04	2.08E-04	1.02E-04
3142	564870	4221954	0.001409	0.001864	6.68E-04	7.47E-04	2.04E-03	6.68E-04	1.85E-04	3.64E-04	2.18E-04	1.43E-04	2.03E-04	9.97E-05
3143	564875.3	4221937	0.001331	0.00176	6.31E-04	7.06E-04	1.93E-03	6.31E-04	1.75E-04	3.44E-04	2.06E-04	1.35E-04	1.91E-04	9.41E-05
3144	564880.6	4221920	0.001256	0.001661	5.95E-04	6.66E-04	1.82E-03	5.95E-04	1.65E-04	3.24E-04	1.95E-04	1.28E-04	1.81E-04	8.88E-05
3145	564885.9	4221903	0.001185	0.001567	5.61E-04	6.28E-04	1.72E-03	5.61E-04	1.56E-04	3.06E-04	1.84E-04	1.20E-04	1.70E-04	8.38E-05
3146	564899.4	4221882	0.001105	0.001461	5.23E-04	5.86E-04	1.60E-03	5.23E-04	1.45E-04	2.85E-04	1.71E-04	1.12E-04	1.59E-04	7.81E-05
3147	564915.8	4221875	0.00108	0.001428	5.12E-04	5.73E-04	1.57E-03	5.12E-04	1.42E-04	2.79E-04	1.67E-04	1.10E-04	1.55E-04	7.64E-05
3148	564948.5	4221860	0.001029	0.00136	4.87E-04	5.45E-04	1.49E-03	4.87E-04	1.35E-04	2.66E-04	1.59E-04	1.05E-04	1.48E-04	7.27E-05
3149	564956.6	4221856	0.001016	0.001343	4.81E-04	5.38E-04	1.47E-03	4.81E-04	1.33E-04	2.62E-04	1.57E-04	1.03E-04	1.46E-04	7.18E-05
3150	564973	4221849	0.000989	0.001308	4.69E-04	5.24E-04	1.43E-03	4.69E-04	1.30E-04	2.56E-04	1.53E-04	1.01E-04	1.42E-04	6.99E-05
3151	564981.1	4221845	0.000976	0.001291	4.62E-04	5.17E-04	1.41E-03	4.62E-04	1.28E-04	2.52E-04	1.51E-04	9.92E-05	1.40E-04	6.90E-05
3152	564997.5	4221838	0.00095	0.001256	4.50E-04	5.04E-04	1.38E-03	4.50E-04	1.25E-04	2.45E-04	1.47E-04	9.65E-05	1.37E-04	6.72E-05
3153	565013.8	4221830	0.000924	0.001222	4.38E-04	4.90E-04	1.34E-03	4.38E-04	1.21E-04	2.39E-04	1.43E-04	9.39E-05	1.33E-04	6.54E-05
3154	565022	4221827	0.000911	0.001205	4.32E-04	4.83E-04	1.32E-03	4.32E-04	1.20E-04	2.35E-04	1.41E-04	9.26E-05	1.31E-04	6.45E-05
3155	565038.3	4221819	0.000887	0.001173	4.20E-04	4.70E-04	1.29E-03	4.20E-04	1.16E-04	2.29E-04	1.37E-04	9.01E-05	1.28E-04	6.27E-05
3156	565054.7	4221812	0.000863	0.001141	4.09E-04	4.57E-04	1.25E-03	4.09E-04	1.13E-04	2.23E-04	1.34E-04	8.77E-05	1.24E-04	6.10E-05
3157	565062.9	4221808	0.000851	0.001125	4.03E-04	4.51E-04	1.23E-03	4.03E-04	1.12E-04	2.20E-04	1.32E-04	8.65E-05	1.22E-04	6.02E-05
3158	564763.5	4222297	0.002184	0.002889	1.03E-03	1.16E-03	3.17E-03	1.03E-03	2.87E-04	5.64E-04	3.39E-04	2.22E-04	3.14E-04	1.54E-04
3159	564764.6	4222306	0.002179	0.002881	1.03E-03	1.16E-03	3.16E-03	1.03E-03	2.86E-04	5.63E-04	3.38E-04	2.21E-04	3.13E-04	1.54E-04
3160	564766.8	4222324	0.00216	0.002857	1.02E-03	1.15E-03	3.13E-03	1.02E-03	2.84E-04	5.58E-04	3.35E-04	2.20E-04	3.11E-04	1.53E-04
3161	564767.9	4222333	0.002148	0.002841	1.02E-03	1.14E-03	3.11E-03	1.02E-03	2.82E-04	5.55E-04	3.33E-04	2.18E-04	3.09E-04	1.52E-04
3162	564771.1	4222359	0.0021	0.002777	9.95E-04	1.11E-03	3.04E-03	9.95E-04	2.76E-04	5.43E-04	3.26E-04	2.13E-04	3.02E-04	1.49E-04
3163	564746.3	4222291	0.002098	0.002774	9.94E-04	1.11E-03	3.04E-03	9.94E-04	2.75E-04	5.42E-04	3.25E-04	2.13E-04	3.02E-04	1.48E-04
3164	564751.6	4222274	0.00214	0.00283	1.01E-03	1.13E-03	3.10E-03	1.01E-03	2.81E-04	5.53E-04	3.32E-04	2.17E-04	3.08E-04	1.51E-04
3165	564756.9	4222257	0.002176	0.002878	1.03E-03	1.15E-03	3.15E-03	1.03E-03	2.86E-04	5.62E-04	3.37E-04	2.21E-04	3.13E-04	1.54E-04
3166	564762.2	4222239	0.002203	0.002914	1.04E-03	1.17E-03	3.19E-03	1.04E-03	2.89E-04	5.69E-04	3.42E-04	2.24E-04	3.17E-04	1.56E-04
3167	564767.5	4222222	0.002219	0.002934	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.91E-04	5.73E-04	3.44E-04	2.25E-04	3.19E-04	1.57E-04
3168	564772.8	4222205	0.002225	0.002942	1.05E-03	1.18E-03	3.23E-03	1.05E-03	2.92E-04	5.75E-04	3.45E-04	2.26E-04	3.20E-04	1.57E-04
3169	564786.1	4222163	0.002195	0.002902	1.04E-03	1.16E-03	3.18E-03	1.04E-03	2.88E-04	5.67E-04	3.40E-04	2.23E-04	3.16E-04	1.55E-04
3170	564791.4	4222146	0.002164	0.002862	1.03E-03	1.15E-03	3.14E-03	1.03E-03	2.84E-04	5.59E-04	3.35E-04	2.20E-04	3.11E-04	1.53E-04
3171	564796.7	4222129	0.002123	0.002807	1.01E-03	1.13E-03	3.08E-03	1.01E-03	2.79E-04	5.48E-04	3.29E-04	2.16E-04	3.05E-04	1.50E-04
3172	564807.3	4222094	0.002012	0.002661	9.53E-04	1.07E-03	2.92E-03	9.53E-04	2.64E-04	5.20E-04	3.12E-04	2.04E-04	2.89E-04	1.42E-04
3173	564812.6	4222077	0.001946	0.002574	9.22E-04	1.03E-03	2.82E-03	9.22E-04	2.56E-04	5.03E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
3174	564817.9	4222060	0.001875	0.00248	8.88E-04	9.94E-04	2.72E-03	8.88E-04	2.46E-04	4.84E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
3175	564823.2	4222043	0.0018	0.00238	8.53E-04	9.54E-04	2.61E-03	8.53E-04	2.36E-04	4.65E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
3176	564828.5	4222026	0.001721	0.002276	8.15E-04	9.13E-04	2.50E-03	8.15E-04	2.26E-04	4.45E-04	2.67E-04	1.75E-04	2.48E-04	1.22E-04
3177	564833.8	4222009	0.001641	0.00217	7.77E-04	8.70E-04	2.38E-03	7.77E-04	2.15E-04	4.24E-04	2.54E-04	1.67E-04	2.36E-04	1.16E-04
3178	564839.1	4221992	0.001562	0.002065	7.40E-04	8.28E-04	2.26E-03	7.40E-04	2.05E-04	4.03E-04	2.42E-04	1.59E-04	2.25E-04	1.10E-04
3179	564844.4	4221975	0.001483	0.001961	7.03E-04	7.86E-04	2.15E-03	7.03E-04	1.95E-04	3.83E-04	2.30E-04	1.51E-04	2.13E-04	1.05E-04
3180	564863	4221915	0.001225	0.00162	5.80E-04	6.49E-04	1.78E-03	5.80E-04	1.61E-04	3.16E-04	1.90E-04	1.24E-04	1.76E-04	8.66E-05
3181	564868.3	4221898	0.001157	0.00153	5.48E-04	6.13E-04	1.68E-03	5.48E-04	1.52E-04	2.99E-04	1.79E-04	1.18E-04	1.66E-04	8.18E-05
3182	564873.6	4221881	0.001092	0.001445	5.17E-04	5.79E-04	1.58E-03	5.17E-04	1.43E-04	2.82E-04	1.69E-04	1.11E-04	1.57E-04	7.72E-05

3183	564884.4	4221869	0.001051	0.001389	4.98E-04	5.57E-04	1.52E-03	4.98E-04	1.38E-04	2.71E-04	1.63E-04	1.07E-04	1.51E-04	7.43E-05
3184	564892.6	4221865	0.001039	0.001374	4.92E-04	5.51E-04	1.51E-03	4.92E-04	1.36E-04	2.68E-04	1.61E-04	1.06E-04	1.49E-04	7.35E-05
3185	564908.8	4221858	0.001015	0.001343	4.81E-04	5.38E-04	1.47E-03	4.81E-04	1.33E-04	2.62E-04	1.57E-04	1.03E-04	1.46E-04	7.18E-05
3186	564917	4221854	0.001003	0.001327	4.75E-04	5.32E-04	1.45E-03	4.75E-04	1.32E-04	2.59E-04	1.56E-04	1.02E-04	1.44E-04	7.10E-05
3187	564949.6	4221839	0.000956	0.001264	4.53E-04	5.07E-04	1.39E-03	4.53E-04	1.25E-04	2.47E-04	1.48E-04	9.71E-05	1.37E-04	6.76E-05
3188	564957.7	4221836	0.000943	0.001248	4.47E-04	5.00E-04	1.37E-03	4.47E-04	1.24E-04	2.44E-04	1.46E-04	9.59E-05	1.36E-04	6.67E-05
3189	564974	4221828	0.000919	0.001216	4.36E-04	4.88E-04	1.33E-03	4.36E-04	1.21E-04	2.38E-04	1.43E-04	9.34E-05	1.32E-04	6.50E-05
3190	564982.1	4221825	0.000908	0.0012	4.30E-04	4.81E-04	1.32E-03	4.30E-04	1.19E-04	2.34E-04	1.41E-04	9.22E-05	1.31E-04	6.42E-05
3191	564998.4	4221817	0.000884	0.001169	4.19E-04	4.69E-04	1.28E-03	4.19E-04	1.16E-04	2.28E-04	1.37E-04	8.98E-05	1.27E-04	6.25E-05
3192	565014.7	4221810	0.000861	0.001138	4.08E-04	4.56E-04	1.25E-03	4.08E-04	1.13E-04	2.22E-04	1.33E-04	8.75E-05	1.24E-04	6.09E-05
3193	565022.9	4221806	0.000849	0.001123	4.02E-04	4.50E-04	1.23E-03	4.02E-04	1.12E-04	2.19E-04	1.32E-04	8.63E-05	1.22E-04	6.01E-05
3194	565039.1	4221799	0.000827	0.001094	3.92E-04	4.38E-04	1.20E-03	3.92E-04	1.09E-04	2.14E-04	1.28E-04	8.40E-05	1.19E-04	5.85E-05
3195	565047.3	4221795	0.000816	0.001079	3.87E-04	4.33E-04	1.18E-03	3.87E-04	1.07E-04	2.11E-04	1.26E-04	8.29E-05	1.17E-04	5.77E-05
3196	564744.7	4222308	0.002067	0.002734	9.79E-04	1.10E-03	3.00E-03	9.79E-04	2.71E-04	5.34E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
3197	564745.8	4222317	0.002059	0.002723	9.76E-04	1.09E-03	2.99E-03	9.76E-04	2.70E-04	5.32E-04	3.19E-04	2.09E-04	2.96E-04	1.46E-04
3198	564746.9	4222326	0.00205	0.002711	9.71E-04	1.09E-03	2.97E-03	9.71E-04	2.69E-04	5.30E-04	3.18E-04	2.08E-04	2.95E-04	1.45E-04
3199	564748	4222335	0.002038	0.002696	9.66E-04	1.08E-03	2.96E-03	9.66E-04	2.68E-04	5.27E-04	3.16E-04	2.07E-04	2.93E-04	1.44E-04
3200	564749.1	4222344	0.002024	0.002677	9.59E-04	1.07E-03	2.94E-03	9.59E-04	2.66E-04	5.23E-04	3.14E-04	2.06E-04	2.91E-04	1.43E-04
3201	564750.2	4222353	0.002009	0.002657	9.52E-04	1.07E-03	2.91E-03	9.52E-04	2.64E-04	5.19E-04	3.11E-04	2.04E-04	2.89E-04	1.42E-04
3202	564737	4222259	0.002072	0.00274	9.82E-04	1.10E-03	3.00E-03	9.82E-04	2.72E-04	5.35E-04	3.21E-04	2.11E-04	2.98E-04	1.47E-04
3203	564742.3	4222242	0.002099	0.002776	9.94E-04	1.11E-03	3.04E-03	9.94E-04	2.76E-04	5.42E-04	3.25E-04	2.13E-04	3.02E-04	1.48E-04
3204	564747.6	4222225	0.002118	0.002801	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.47E-04	3.28E-04	2.15E-04	3.05E-04	1.50E-04
3205	564752.9	4222208	0.002127	0.002813	1.01E-03	1.13E-03	3.08E-03	1.01E-03	2.79E-04	5.50E-04	3.30E-04	2.16E-04	3.06E-04	1.50E-04
3206	564758.2	4222191	0.002127	0.002813	1.01E-03	1.13E-03	3.08E-03	1.01E-03	2.79E-04	5.50E-04	3.30E-04	2.16E-04	3.06E-04	1.50E-04
3207	564763.5	4222174	0.002117	0.0028	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.47E-04	3.28E-04	2.15E-04	3.05E-04	1.50E-04
3208	564768.7	4222157	0.002097	0.002773	9.93E-04	1.11E-03	3.04E-03	9.93E-04	2.75E-04	5.42E-04	3.25E-04	2.13E-04	3.02E-04	1.48E-04
3209	564789.9	4222089	0.001928	0.00255	9.13E-04	1.02E-03	2.80E-03	9.13E-04	2.53E-04	4.98E-04	2.99E-04	1.96E-04	2.77E-04	1.36E-04
3210	564795.2	4222072	0.001866	0.002468	8.84E-04	9.90E-04	2.71E-03	8.84E-04	2.45E-04	4.82E-04	2.89E-04	1.90E-04	2.68E-04	1.32E-04
3211	564800.5	4222055	0.0018	0.00238	8.53E-04	9.54E-04	2.61E-03	8.53E-04	2.36E-04	4.65E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
3212	564805.8	4222038	0.00173	0.002288	8.19E-04	9.17E-04	2.51E-03	8.19E-04	2.27E-04	4.47E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
3213	564811	4222021	0.001657	0.002192	7.85E-04	8.79E-04	2.40E-03	7.85E-04	2.18E-04	4.28E-04	2.57E-04	1.68E-04	2.38E-04	1.17E-04
3214	564816.3	4222004	0.001584	0.002094	7.50E-04	8.40E-04	2.30E-03	7.50E-04	2.08E-04	4.09E-04	2.45E-04	1.61E-04	2.28E-04	1.12E-04
3215	564821.6	4221987	0.00151	0.001996	7.15E-04	8.00E-04	2.19E-03	7.15E-04	1.98E-04	3.90E-04	2.34E-04	1.53E-04	2.17E-04	1.07E-04
3216	564826.9	4221970	0.001436	0.0019	6.81E-04	7.62E-04	2.08E-03	6.81E-04	1.89E-04	3.71E-04	2.23E-04	1.46E-04	2.07E-04	1.02E-04
3217	564832.2	4221953	0.001365	0.001805	6.46E-04	7.24E-04	1.98E-03	6.46E-04	1.79E-04	3.53E-04	2.12E-04	1.39E-04	1.96E-04	9.65E-05
3218	564837.5	4221936	0.001295	0.001712	6.13E-04	6.86E-04	1.88E-03	6.13E-04	1.70E-04	3.34E-04	2.01E-04	1.32E-04	1.86E-04	9.16E-05
3219	564842.8	4221919	0.001227	0.001623	5.81E-04	6.51E-04	1.78E-03	5.81E-04	1.61E-04	3.17E-04	1.90E-04	1.25E-04	1.76E-04	8.68E-05
3220	564848.1	4221902	0.001161	0.001536	5.50E-04	6.16E-04	1.68E-03	5.50E-04	1.52E-04	3.00E-04	1.80E-04	1.18E-04	1.67E-04	8.21E-05
3221	564869.4	4221856	0.001001	0.001323	4.74E-04	5.30E-04	1.45E-03	4.74E-04	1.31E-04	2.58E-04	1.55E-04	1.02E-04	1.44E-04	7.08E-05
3222	564885.6	4221848	0.000979	0.001295	4.64E-04	5.19E-04	1.42E-03	4.64E-04	1.29E-04	2.53E-04	1.52E-04	9.95E-05	1.41E-04	6.92E-05
3223	564901.9	4221841	0.000957	0.001266	4.53E-04	5.08E-04	1.39E-03	4.53E-04	1.26E-04	2.47E-04	1.48E-04	9.73E-05	1.38E-04	6.77E-05
3224	564910	4221837	0.000946	0.001251	4.48E-04	5.02E-04	1.37E-03	4.48E-04	1.24E-04	2.44E-04	1.47E-04	9.61E-05	1.36E-04	6.69E-05
3225	564934.3	4221826	0.000912	0.001207	4.32E-04	4.84E-04	1.32E-03	4.32E-04	1.20E-04	2.36E-04	1.41E-04	9.27E-05	1.31E-04	6.45E-05
3226	564950.6	4221819	0.00089	0.001177	4.22E-04	4.72E-04	1.29E-03	4.22E-04	1.17E-04	2.30E-04	1.38E-04	9.04E-05	1.28E-04	6.29E-05
3227	564958.7	4221815	0.000879	0.001162	4.16E-04	4.66E-04	1.27E-03	4.16E-04	1.15E-04	2.27E-04	1.36E-04	8.93E-05	1.26E-04	6.21E-05
3228	564974.9	4221808	0.000857	0.001133	4.06E-04	4.54E-04	1.24E-03	4.06E-04	1.13E-04	2.21E-04	1.33E-04	8.71E-05	1.23E-04	6.06E-05
3229	564983	4221804	0.000846	0.001118	4.01E-04	4.48E-04	1.23E-03	4.01E-04	1.11E-04	2.18E-04	1.31E-04	8.59E-05	1.22E-04	5.98E-05
3230	564999.3	4221797	0.000824	0.00109	3.91E-04	4.37E-04	1.20E-03	3.91E-04	1.08E-04	2.13E-04	1.28E-04	8.38E-05	1.19E-04	5.83E-05
3231	565023.6	4221786	0.000793	0.001049	3.76E-04	4.20E-04	1.15E-03	3.76E-04	1.04E-04	2.05E-04	1.23E-04	8.06E-05	1.14E-04	5.61E-05
3232	565031.8	4221782	0.000783	0.001035	3.71E-04	4.15E-04	1.13E-03	3.71E-04	1.03E-04	2.02E-04	1.21E-04	7.95E-05	1.13E-04	5.54E-05
3233	564724.9	4222311	0.001966	0.0026	9.31E-04	1.04E-03	2.85E-03	9.31E-04	2.58E-04	5.08E-04	3.05E-04	2.00E-04	2.83E-04	1.39E-04
3234	564726	4222320	0.001958	0.002589	9.28E-04	1.04E-03	2.84E-03	9.28E-04	2.57E-04	5.06E-04	3.04E-04	1.99E-04	2.82E-04	1.38E-04
3235	564727.1	4222329	0.001948	0.002577	9.23E-04	1.03E-03	2.82E-03	9.23E-04	2.56E-04	5.03E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
3236	564728.2	4222337	0.001937	0.002562	9.18E-04	1.03E-03	2.81E-03	9.18E-04	2.54E-04	5.00E-04	3.00E-04	1.97E-04	2.79E-04	1.37E-04
3237	564729.2	4222346	0.001924	0.002544	9.11E-04	1.02E-03	2.79E-03	9.11E-04	2.53E-04	4.97E-04	2.98E-04	1.96E-04	2.77E-04	1.36E-04
3238	564730.3	4222355	0.001909	0.002525	9.05E-04	1.01E-03	2.77E-03	9.05E-04	2.51E-04	4.93E-04	2.96E-04	1.94E-04	2.75E-04	1.35E-04
3239	564731.4	4222364	0.001893	0.002504	8.97E-04	1.00E-03	2.75E-03	8.97E-04	2.49E-04	4.89E-04	2.94E-04	1.92E-04	2.72E-04	1.34E-04
3240	564706.6	4222296	0.001901	0.002514	9.01E-04	1.01E-03	2.76E-03	9.01E-04	2.50E-04	4.91E-04	2.95E-04	1.93E-04	2.73E-04	1.34E-04
3241	564711.8	4222279	0.001941	0.002567	9.20E-04	1.03E-03	2.81E-03	9.20E-04	2.55E-04	5.01E-04	3.01E-04	1.97E-04	2.79E-04	1.37E-04
3242	564717.1	4222262	0.001975	0.002613	9.36E-04	1.05E-03	2.86E-03	9.36E-04	2.59E-04	5.10E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
3243	564722.4	4222245	0.002003	0.002649	9.49E-04	1.06E-03	2.90E-03	9.49E-04	2.63E-04	5.17E-04	3.11E-04	2.04E-04	2.88E-04	1.42E-04
3244	564727.7	4222228	0.002023	0.002676	9.59E-04	1.07E-03	2.93E-03	9.59E-04	2.66E-04	5.23E-04	3.14E-04	2.06E-04	2.91E-04	1.43E-04
3245	564732.9	4222211	0.002035	0.002692	9.64E-04	1.08E-03	2.95E-03	9.64E-04	2.67E-04	5.26E-04	3.16E-04	2.07E-04	2.93E-04	1.44E-04
3246	564738.2	4222194	0.002039	0.002696	9.66E-04	1.08E-03	2.96E-03	9.66E-04	2.68E-04	5.27E-04	3.16E-04	2.07E-04	2.93E-04	1.44E-04
3247	564743.5	4222177	0.002033	0.002689	9.63E-04	1.08E-03	2.95E-03	9.63E-04	2.67E-04	5.25E-04	3.15E-04	2.07E-04	2.92E-04	1.44E-04
3248	564748.8	4222160	0.002018	0.002669	9.56E-04	1.07E-03	2.93E-03	9.56E-04	2.65E-04	5.21E-04	3.13E-04	2.05E-04	2.90E-04	1.43E-04
3249	564754	4222143	0.001995	0.002638	9.45E-04	1.06E-03	2.89E-03	9.45E-04	2.62E-04	5.15E-04	3.09E-04	2.03E-04	2.87E-04	1.41E-04
3250	564759.3	4222126	0.001963	0.002597	9.30E-04	1.04E-03	2.85E-03	9.30E-04	2.58E-04	5.07E-04	3.04E-04	2.00E-04	2.82E-04	1.39E-04
3251	564769.8	4222092	0.001876	0.00248	8.89E-04	9.94E-04	2.72E-03	8.89E-04	2.46E-04	4.85E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
3252	564785.7	4222041	0.001698	0.002246	8.05E-04	9.00E-04	2.46E-03	8.05E-04	2.23E-04	4.39E-04	2.63E-04	1.73E-04	2.44E-04	1.20E-04
3253	564790.9	4222024	0.001632	0.002158	7.73E-04	8.65E-04	2.37E-03	7.73E-04	2.14E-04	4.22E-04	2.53E-04	1.66E-04	2.35E-04	1.15E-04
3254	564796.2	4222007	0.001564	0.002068	7.41E-04	8.29E-04	2.27E-03	7.41E-04	2.05E-04	4.04E-04	2.42E-04	1.59E-04	2.25E-04	1.11E-04
3255	564801.5	4221990	0.001495	0.001977	7.08E-04	7.93E-04	2.17E-03	7.08E-04	1.96E-04	3.86E-04	2.32E-04	1.52E-04	2.15E-04	1.06E-04
3256	564806.7	4221973	0.001426	0.001886	6.76E-04	7.56E-04	2.07E-03	6.76E-04	1.87E-04	3.68E-04	2.21E-04	1.45E-04	2.05E-04	1.01E-04
3257	564812	4221956	0.001358	0.001796	6.43E-04	7.20E-04	1.97E-03	6.43E-04	1.78E-04	3.51E-04	2.11E-04	1.38E-04	1.95E-04	9.61E-05
3258	564817.3	4221939	0.001292	0.001708	6.12E-04	6.85E-04	1.87E-03	6.12E-04	1.70E-04	3.34E-04	2.00E-04	1.31E-04	1.86E-04	9.13E-05
3259	564822.6	4221922	0.001227	0.001623	5.81E-04	6.50E-04	1.78E-03	5.81E-04	1.61E-04	3.17E-04	1.90E-04	1.25E-04	1.76E-04	8.68E-05
3260	564827.8	4221905	0.001164	0.001539	5.51E-04	6.17E-04	1.69E-03	5.51E-04	1.53E-04	3.01E-04	1.80E-04	1.18E-04	1.67E-04	8.23E-05
3261	564833.1	4221888	0.001103	0.001459	5.23E-04	5.85E-04	1.60E-03	5.23E-04	1.45E-04	2.85E-04	1.71E-04	1.12E-04	1.59E-04	7.80E-05
3262	564838.4	4221871	0.001045	0.001382	4.95E-04	5.54E-04	1.52E-03	4.95E-04	1.37E-04	2.70E-04	1.62E-04	1.06E-04	1.50E-04	7.39E-05
3263	564843.7	4221854	0.000991	0.00131	4.69E-04	5.25E-04	1.44E-03	4.69E-04	1.30E-04	2.56E-04	1.54E-04	1.01E-04	1.42E-04	7.01E-05
3264	564902.9	4221820	0.000894	0.001182	4.23E-04	4.74E-04	1.30E-03	4.23E-04	1.17E-04	2.31E-04	1.39E-04	9.08E-05	1.29E-04	6.32E-05
3265	564911	4221817	0.000883	0.001168	4.18E-04	4.68E-04	1.28E-03	4.18E-04	1.16E-04	2.28E-04	1.37E-04	8.98E-05	1.27E-04	6.25E-05
3266	564927.2	4221809	0.000862	0.00114	4.08E-04	4.57E-04	1.25E-03	4.08E-04	1.13E-04	2.23E-04	1.34E-04	8.76E-05	1.24E-04	6.10E-05
3267	564935.3	4221806	0.000852	0.001127	4.04E-04	4.52E-04	1.23E-03	4.04E-04	1.12E-04	2.20E-04	1.32E-04	8.66E-05	1.23E-04	6.02E-05
3268	564951.5	4221798	0.000831	0.001099	3.94E-04	4.41E-04	1.20E-03	3.94E-04	1.09E-04	2.15E-04	1.29E-04	8.44E-05	1.20E-04	5.88E-05
3269	564967.7	4221791	0.00081	0.001072	3.84E-04	4.30E-04	1.17E-03	3.84E-04	1.06E-04	2.09E-04	1.26E-04	8.24E-05	1.17E-04	5.73E-05
3270	564983.9	4221784	0.00079	0.001045	3.74E-04	4.19E-04	1.15E-03	3.74E-04	1.04E-04	2.04E-04	1.23E-04	8.03E-05	1.14E-04	5.59E-05
3271	565008.2	4221773	0.000761	0.001007	3.61E-04	4.04E-04	1.10E-03	3.61E-04	1.00E-04	1.97E-04	1.18E-04	7.74E-05	1.09E-04	5.38E-05
3272	565016.3	4221769	0.000752	0.000994	3.56E-04	3.98E-04	1.09E-03	3.56E-04	9.87E-05	1.94E-04	1.17E-04	7.64E-05	1.08E-04	5.32E-05
3273	564706.1	4222322	0.001864	0.002465	8.83E-04	9.88E-04	2.70E-03	8.83E-04	2.45E-04	4.82E-04	2.89E-04	1.89E-04	2.68E-04	1.32E-04

3274	564707.2	4222331	0.001854	0.002452	8.79E-04	9.83E-04	2.69E-03	8.79E-04	2.44E-04	4.79E-04	2.87E-04	1.88E-04	2.67E-04	1.31E-04
3275	564708.3	4222340	0.001843	0.002438	8.73E-04	9.77E-04	2.67E-03	8.73E-04	2.42E-04	4.76E-04	2.86E-04	1.87E-04	2.65E-04	1.30E-04
3276	564709.4	4222349	0.001831	0.002422	8.67E-04	9.71E-04	2.65E-03	8.67E-04	2.40E-04	4.73E-04	2.84E-04	1.86E-04	2.63E-04	1.29E-04
3277	564710.5	4222358	0.001818	0.002404	8.61E-04	9.64E-04	2.63E-03	8.61E-04	2.39E-04	4.70E-04	2.82E-04	1.85E-04	2.61E-04	1.29E-04
3278	564686.8	4222298	0.001813	0.002398	8.59E-04	9.61E-04	2.63E-03	8.59E-04	2.38E-04	4.68E-04	2.81E-04	1.84E-04	2.61E-04	1.28E-04
3279	564692.1	4222281	0.001853	0.00245	8.78E-04	9.82E-04	2.69E-03	8.78E-04	2.43E-04	4.79E-04	2.87E-04	1.88E-04	2.67E-04	1.31E-04
3280	564697.5	4222263	0.001887	0.002495	8.94E-04	1.00E-03	2.74E-03	8.94E-04	2.48E-04	4.87E-04	2.93E-04	1.92E-04	2.71E-04	1.33E-04
3281	564702.8	4222246	0.001915	0.002532	9.07E-04	1.02E-03	2.78E-03	9.07E-04	2.51E-04	4.95E-04	2.97E-04	1.95E-04	2.75E-04	1.35E-04
3282	564708.2	4222229	0.001936	0.00256	9.17E-04	1.03E-03	2.81E-03	9.17E-04	2.54E-04	5.00E-04	3.00E-04	1.97E-04	2.78E-04	1.37E-04
3283	564713.5	4222212	0.00195	0.002578	9.24E-04	1.03E-03	2.83E-03	9.24E-04	2.56E-04	5.04E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
3284	564718.9	4222195	0.001955	0.002585	9.26E-04	1.04E-03	2.83E-03	9.26E-04	2.57E-04	5.05E-04	3.03E-04	1.99E-04	2.81E-04	1.38E-04
3285	564724.2	4222177	0.001952	0.002582	9.25E-04	1.03E-03	2.83E-03	9.25E-04	2.56E-04	5.04E-04	3.03E-04	1.98E-04	2.81E-04	1.38E-04
3286	564726.9	4222169	0.001947	0.002575	9.23E-04	1.03E-03	2.82E-03	9.23E-04	2.56E-04	5.03E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
3287	564732.3	4222151	0.001931	0.002554	9.15E-04	1.02E-03	2.80E-03	9.15E-04	2.54E-04	4.99E-04	2.99E-04	1.96E-04	2.78E-04	1.37E-04
3288	564737.6	4222134	0.001907	0.002522	9.03E-04	1.01E-03	2.76E-03	9.03E-04	2.50E-04	4.93E-04	2.96E-04	1.94E-04	2.74E-04	1.35E-04
3289	564748.3	4222100	0.001834	0.002426	8.69E-04	9.72E-04	2.66E-03	8.69E-04	2.41E-04	4.74E-04	2.84E-04	1.86E-04	2.64E-04	1.30E-04
3290	564751	4222091	0.001812	0.002396	8.58E-04	9.61E-04	2.63E-03	8.58E-04	2.38E-04	4.68E-04	2.81E-04	1.84E-04	2.61E-04	1.28E-04
3291	564756.4	4222074	0.001762	0.00233	8.35E-04	9.34E-04	2.55E-03	8.35E-04	2.31E-04	4.55E-04	2.73E-04	1.79E-04	2.53E-04	1.25E-04
3292	564761.7	4222057	0.001707	0.002258	8.09E-04	9.05E-04	2.48E-03	8.09E-04	2.24E-04	4.41E-04	2.65E-04	1.74E-04	2.46E-04	1.21E-04
3293	564767.1	4222039	0.001648	0.00218	7.81E-04	8.74E-04	2.39E-03	7.81E-04	2.16E-04	4.26E-04	2.56E-04	1.68E-04	2.37E-04	1.17E-04
3294	564785.8	4221979	0.001423	0.001882	6.74E-04	7.55E-04	2.06E-03	6.74E-04	1.87E-04	3.68E-04	2.21E-04	1.45E-04	2.05E-04	1.01E-04
3295	564791.2	4221962	0.001358	0.001796	6.43E-04	7.20E-04	1.97E-03	6.43E-04	1.78E-04	3.51E-04	2.11E-04	1.38E-04	1.95E-04	9.61E-05
3296	564796.5	4221945	0.001294	0.001711	6.13E-04	6.86E-04	1.88E-03	6.13E-04	1.70E-04	3.34E-04	2.01E-04	1.31E-04	1.86E-04	9.15E-05
3297	564801.9	4221927	0.001231	0.001628	5.83E-04	6.53E-04	1.78E-03	5.83E-04	1.62E-04	3.18E-04	1.91E-04	1.25E-04	1.77E-04	8.70E-05
3298	564807.2	4221910	0.001169	0.001546	5.54E-04	6.20E-04	1.70E-03	5.54E-04	1.54E-04	3.02E-04	1.81E-04	1.19E-04	1.68E-04	8.27E-05
3299	564809.9	4221902	0.001139	0.001506	5.40E-04	6.04E-04	1.65E-03	5.40E-04	1.50E-04	2.94E-04	1.77E-04	1.16E-04	1.64E-04	8.05E-05
3300	564815.2	4221884	0.00108	0.001429	5.12E-04	5.73E-04	1.57E-03	5.12E-04	1.42E-04	2.79E-04	1.67E-04	1.10E-04	1.55E-04	7.64E-05
3301	564820.6	4221867	0.001025	0.001355	4.85E-04	5.43E-04	1.49E-03	4.85E-04	1.35E-04	2.65E-04	1.59E-04	1.04E-04	1.47E-04	7.25E-05
3302	564826	4221850	0.000971	0.001285	4.60E-04	5.15E-04	1.41E-03	4.60E-04	1.28E-04	2.51E-04	1.51E-04	9.87E-05	1.40E-04	6.87E-05
3303	564856	4221822	0.000893	0.001181	4.23E-04	4.73E-04	1.29E-03	4.23E-04	1.17E-04	2.31E-04	1.38E-04	9.07E-05	1.28E-04	6.31E-05
3304	564872.4	4221814	0.000874	0.001155	4.14E-04	4.63E-04	1.27E-03	4.14E-04	1.15E-04	2.26E-04	1.35E-04	8.88E-05	1.26E-04	6.18E-05
3305	564888.8	4221807	0.000854	0.001129	4.05E-04	4.53E-04	1.24E-03	4.05E-04	1.12E-04	2.21E-04	1.32E-04	8.68E-05	1.23E-04	6.04E-05
3306	564905.3	4221799	0.000834	0.001103	3.95E-04	4.42E-04	1.21E-03	3.95E-04	1.10E-04	2.15E-04	1.29E-04	8.48E-05	1.20E-04	5.90E-05
3307	564913.5	4221796	0.000824	0.00109	3.90E-04	4.37E-04	1.19E-03	3.90E-04	1.08E-04	2.13E-04	1.28E-04	8.38E-05	1.19E-04	5.83E-05
3308	564929.9	4221788	0.000804	0.001064	3.81E-04	4.26E-04	1.17E-03	3.81E-04	1.06E-04	2.08E-04	1.25E-04	8.17E-05	1.16E-04	5.69E-05
3309	564946.4	4221781	0.000785	0.001038	3.72E-04	4.16E-04	1.14E-03	3.72E-04	1.03E-04	2.03E-04	1.22E-04	7.98E-05	1.13E-04	5.55E-05
3310	564962.8	4221773	0.000765	0.001012	3.63E-04	4.06E-04	1.11E-03	3.63E-04	1.01E-04	1.98E-04	1.19E-04	7.78E-05	1.10E-04	5.41E-05
3311	564971	4221770	0.000756	0.001	3.58E-04	4.01E-04	1.10E-03	3.58E-04	9.93E-05	1.95E-04	1.17E-04	7.68E-05	1.09E-04	5.35E-05
3312	565003.9	4221755	0.000719	0.000951	3.41E-04	3.81E-04	1.04E-03	3.41E-04	9.45E-05	1.86E-04	1.12E-04	7.31E-05	1.03E-04	5.09E-05
3313	564685.2	4222315	0.001785	0.002361	8.46E-04	9.46E-04	2.59E-03	8.46E-04	2.34E-04	4.61E-04	2.77E-04	1.81E-04	2.57E-04	1.26E-04
3314	564688.4	4222342	0.001757	0.002323	8.32E-04	9.31E-04	2.55E-03	8.32E-04	2.31E-04	4.54E-04	2.72E-04	1.79E-04	2.53E-04	1.24E-04
3315	564690.6	4222360	0.001732	0.00229	8.20E-04	9.18E-04	2.51E-03	8.20E-04	2.27E-04	4.47E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
3316	565244.7	4222311	0.021366	0.028256	1.01E-02	1.13E-02	3.10E-02	1.01E-02	2.81E-03	5.52E-03	3.31E-03	2.17E-03	3.07E-03	1.51E-03
3317	565245.8	4222321	0.021241	0.028091	1.01E-02	1.13E-02	3.08E-02	1.01E-02	2.79E-03	5.49E-03	3.29E-03	2.16E-03	3.06E-03	1.50E-03
3318	565247	4222330	0.020884	0.027619	9.89E-03	1.11E-02	3.03E-02	9.89E-03	2.74E-03	5.40E-03	3.24E-03	2.12E-03	3.00E-03	1.48E-03
3319	565248.2	4222339	0.020309	0.026858	9.62E-03	1.08E-02	2.94E-02	9.62E-03	2.67E-03	5.25E-03	3.15E-03	2.06E-03	2.92E-03	1.44E-03
3320	565249.3	4222348	0.019545	0.025849	9.26E-03	1.04E-02	2.83E-02	9.26E-03	2.57E-03	5.05E-03	3.03E-03	1.99E-03	2.81E-03	1.38E-03
3321	565250.5	4222358	0.018641	0.024653	8.83E-03	9.88E-03	2.70E-02	8.83E-03	2.45E-03	4.82E-03	2.89E-03	1.89E-03	2.68E-03	1.32E-03
3322	565251.7	4222367	0.017663	0.023359	8.37E-03	9.36E-03	2.56E-02	8.37E-03	2.32E-03	4.56E-03	2.74E-03	1.80E-03	2.54E-03	1.25E-03
3323	565255.2	4222394	0.014935	0.019752	7.08E-03	7.92E-03	2.17E-02	7.08E-03	1.96E-03	3.86E-03	2.32E-03	1.52E-03	2.15E-03	1.06E-03
3324	565234.9	4222313	0.019134	0.025305	9.07E-03	1.01E-02	2.77E-02	9.07E-03	2.51E-03	4.94E-03	2.97E-03	1.94E-03	2.75E-03	1.35E-03
3325	565236.1	4222322	0.01902	0.025154	9.01E-03	1.01E-02	2.76E-02	9.01E-03	2.50E-03	4.91E-03	2.95E-03	1.93E-03	2.74E-03	1.35E-03
3326	565237.2	4222331	0.018717	0.024753	8.87E-03	9.92E-03	2.71E-02	8.87E-03	2.46E-03	4.84E-03	2.90E-03	1.90E-03	2.69E-03	1.32E-03
3327	565238.4	4222340	0.018242	0.024125	8.64E-03	9.67E-03	2.64E-02	8.64E-03	2.40E-03	4.71E-03	2.83E-03	1.85E-03	2.62E-03	1.29E-03
3328	565239.6	4222350	0.017621	0.023304	8.35E-03	9.34E-03	2.55E-02	8.35E-03	2.31E-03	4.55E-03	2.73E-03	1.79E-03	2.53E-03	1.25E-03
3329	565240.7	4222359	0.016896	0.022345	8.00E-03	8.96E-03	2.45E-02	8.00E-03	2.22E-03	4.37E-03	2.62E-03	1.72E-03	2.43E-03	1.19E-03
3330	565241.9	4222368	0.016112	0.021308	7.63E-03	8.54E-03	2.34E-02	7.63E-03	2.12E-03	4.16E-03	2.50E-03	1.64E-03	2.32E-03	1.14E-03
3331	565245.4	4222396	0.013822	0.01828	6.55E-03	7.33E-03	2.00E-02	6.55E-03	1.82E-03	3.57E-03	2.14E-03	1.40E-03	1.99E-03	9.78E-04
3332	565225.1	4222314	0.017291	0.022867	8.19E-03	9.17E-03	2.51E-02	8.19E-03	2.27E-03	4.47E-03	2.68E-03	1.76E-03	2.49E-03	1.22E-03
3333	565226.3	4222323	0.017189	0.022732	8.14E-03	9.11E-03	2.49E-02	8.14E-03	2.26E-03	4.44E-03	2.66E-03	1.75E-03	2.47E-03	1.22E-03
3334	565227.5	4222332	0.016931	0.022391	8.02E-03	8.98E-03	2.45E-02	8.02E-03	2.22E-03	4.37E-03	2.62E-03	1.72E-03	2.44E-03	1.20E-03
3335	565228.6	4222342	0.016535	0.021868	7.83E-03	8.77E-03	2.40E-02	7.83E-03	2.17E-03	4.27E-03	2.56E-03	1.68E-03	2.38E-03	1.17E-03
3336	565229.8	4222351	0.016025	0.021193	7.59E-03	8.50E-03	2.32E-02	7.59E-03	2.10E-03	4.14E-03	2.48E-03	1.63E-03	2.31E-03	1.13E-03
3337	565231	4222360	0.01543	0.020406	7.31E-03	8.18E-03	2.24E-02	7.31E-03	2.03E-03	3.99E-03	2.39E-03	1.57E-03	2.22E-03	1.09E-03
3338	565232.1	4222369	0.014785	0.019553	7.00E-03	7.84E-03	2.14E-02	7.00E-03	1.94E-03	3.82E-03	2.29E-03	1.50E-03	2.13E-03	1.05E-03
3339	565235.7	4222397	0.012828	0.016965	6.08E-03	6.80E-03	1.86E-02	6.08E-03	1.68E-03	3.31E-03	1.99E-03	1.30E-03	1.85E-03	9.07E-04
3340	565215.4	4222315	0.015745	0.020822	7.46E-03	8.35E-03	2.28E-02	7.46E-03	2.07E-03	4.07E-03	2.44E-03	1.60E-03	2.26E-03	1.11E-03
3341	565216.5	4222324	0.015652	0.0207	7.42E-03	8.30E-03	2.27E-02	7.42E-03	2.06E-03	4.04E-03	2.43E-03	1.59E-03	2.25E-03	1.11E-03
3342	565217.7	4222334	0.015431	0.020408	7.31E-03	8.18E-03	2.24E-02	7.31E-03	2.03E-03	3.99E-03	2.39E-03	1.57E-03	2.22E-03	1.09E-03
3343	565218.9	4222343	0.015098	0.019967	7.15E-03	8.00E-03	2.19E-02	7.15E-03	1.98E-03	3.90E-03	2.34E-03	1.53E-03	2.17E-03	1.07E-03
3344	565220	4222352	0.014672	0.019403	6.95E-03	7.78E-03	2.13E-02	6.95E-03	1.93E-03	3.79E-03	2.27E-03	1.49E-03	2.11E-03	1.04E-03
3345	565221.2	4222361	0.014175	0.018746	6.72E-03	7.52E-03	2.06E-02	6.72E-03	1.86E-03	3.66E-03	2.20E-03	1.44E-03	2.04E-03	1.00E-03
3346	565225.9	4222398	0.011934	0.015783	5.65E-03	6.33E-03	1.73E-02	5.65E-03	1.57E-03	3.08E-03	1.85E-03	1.21E-03	1.72E-03	8.44E-04
3347	565204.4	4222307	0.014398	0.019042	6.82E-03	7.63E-03	2.09E-02	6.82E-03	1.89E-03	3.72E-03	2.23E-03	1.46E-03	2.07E-03	1.02E-03
3348	565205.6	4222316	0.014428	0.019081	6.84E-03	7.65E-03	2.09E-02	6.84E-03	1.89E-03	3.73E-03	2.24E-03	1.47E-03	2.08E-03	1.02E-03
3349	565206.8	4222326	0.014343	0.018969	6.80E-03	7.60E-03	2.08E-02	6.80E-03	1.88E-03	3.71E-03	2.22E-03	1.46E-03	2.06E-03	1.01E-03
3350	565207.9	4222335	0.014153	0.018717	6.71E-03	7.50E-03	2.05E-02	6.71E-03	1.86E-03	3.66E-03	2.19E-03	1.44E-03	2.04E-03	1.00E-03
3351	565209.1	4222344	0.013869	0.018341	6.57E-03	7.35E-03	2.01E-02	6.57E-03	1.82E-03	3.58E-03	2.15E-03	1.41E-03	1.99E-03	9.81E-04
3352	565210.3	4222353	0.013507	0.017863	6.40E-03	7.16E-03	1.96E-02	6.40E-03	1.77E-03	3.49E-03	2.09E-03	1.37E-03	1.94E-03	9.55E-04
3353	565211.5	4222363	0.013086	0.017306	6.20E-03	6.94E-03	1.90E-02	6.20E-03	1.72E-03	3.38E-03	2.03E-03	1.33E-03	1.88E-03	9.25E-04
3354	565216.1	4222399	0.011129	0.014718	5.27E-03	5.90E-03	1.61E-02	5.27E-03	1.46E-03	2.88E-03	1.73E-03	1.13E-03	1.60E-03	7.87E-04
3355	565195.8	4222318	0.013293	0.01758	6.30E-03	7.05E-03	1.93E-02	6.30E-03	1.75E-03	3.43E-03	2.06E-03	1.35E-03	1.91E-03	9.40E-04
3356	565197	4222327	0.013215	0.017477	6.26E-03	7.01E-03	1.92E-02	6.26E-03	1.74E-03	3.41E-03	2.05E-03	1.34E-03	1.90E-03	9.35E-04
3357	565198.2	4222336	0.013049	0.017257	6.18E-03	6.92E-03	1.89E-02	6.18E-03	1.71E-03	3.37E-03	2.02E-03	1.33E-03	1.88E-03	9.23E-04
3358	565199.4	4222345	0.012804	0.016933	6.07E-03	6.79E-03	1.86E-02	6.07E-03	1.68E-03	3.31E-03	1.98E-03	1.30E-03	1.84E-03	9.05E-04
3359	565200.5	4222355	0.012493	0.016521	5.92E-03	6.62E-03	1.81E-02	5.92E-03	1.64E-03	3.23E-03	1.94E-03	1.27E-03	1.80E-03	8.83E-04
3360	565201.7	4222364	0.01213	0.016042	5.75E-03	6.43E-03	1.76E-02	5.75E-03	1.59E-03	3.13E-03	1.88E-03	1.23E-03	1.74E-03	8.58E-04
3361	565206.4	4222401	0.010402	0.013757	4.93E-03	5.52E-03	1.51E-02	4.93E-03	1.37E-03	2.69E-03	1.61E-03	1.06E-03	1.50E-03	7.36E-04
3362	565186.1	4222319	0.012305	0.016273	5.83E-03	6.52E-03	1.78E-02	5.83E-03	1.62E-03	3.18E-03	1.91E-03	1.25E-03	1.77E-03	8.70E-04
3363	565187.3	4222328	0.012232	0.016177	5.80E-03	6.49E-03	1.77E-02	5.80E-03	1.61E-03	3.16E-03	1.90E-03	1.24E-03	1.76E-03	8.65E-04
3364	565188.4	4222337	0.012085	0.015982	5.73E-03	6.41E-03	1.75E-02	5.73E-03	1.59E-03	3.12E-03	1.87E-03	1.23E-03	1.74E-03	8.55E-04

3365	565189.6	4222347	0.011871	0.015699	5.62E-03	6.29E-03	1.72E-02	5.62E-03	1.56E-03	3.07E-03	1.84E-03	1.21E-03	1.71E-03	8.40E-04
3366	565190.8	4222356	0.0116	0.015341	5.50E-03	6.15E-03	1.68E-02	5.50E-03	1.52E-03	3.00E-03	1.80E-03	1.18E-03	1.67E-03	8.20E-04
3367	565191.9	4222365	0.011283	0.014922	5.35E-03	5.98E-03	1.64E-02	5.35E-03	1.48E-03	2.91E-03	1.75E-03	1.15E-03	1.62E-03	7.98E-04
3368	565196.6	4222402	0.009745	0.012887	4.62E-03	5.17E-03	1.41E-02	4.62E-03	1.28E-03	2.52E-03	1.51E-03	9.90E-04	1.40E-03	6.89E-04
3369	565176.3	4222320	0.011436	0.015124	5.42E-03	6.06E-03	1.66E-02	5.42E-03	1.50E-03	2.95E-03	1.77E-03	1.16E-03	1.65E-03	8.09E-04
3370	565177.5	4222329	0.011368	0.015033	5.39E-03	6.03E-03	1.65E-02	5.39E-03	1.49E-03	2.94E-03	1.76E-03	1.16E-03	1.64E-03	8.04E-04
3371	565178.7	4222339	0.011236	0.014859	5.32E-03	5.96E-03	1.63E-02	5.32E-03	1.48E-03	2.90E-03	1.74E-03	1.14E-03	1.62E-03	7.95E-04
3372	565179.8	4222348	0.011046	0.014609	5.23E-03	5.86E-03	1.60E-02	5.23E-03	1.45E-03	2.85E-03	1.71E-03	1.12E-03	1.59E-03	7.81E-04
3373	565181	4222357	0.010808	0.014294	5.12E-03	5.73E-03	1.57E-02	5.12E-03	1.42E-03	2.79E-03	1.68E-03	1.10E-03	1.55E-03	7.64E-04
3374	565182.2	4222366	0.010529	0.013924	4.99E-03	5.58E-03	1.53E-02	4.99E-03	1.38E-03	2.72E-03	1.63E-03	1.07E-03	1.51E-03	7.45E-04
3375	565186.8	4222403	0.009147	0.012097	4.33E-03	4.85E-03	1.33E-02	4.33E-03	1.20E-03	2.36E-03	1.42E-03	9.30E-04	1.32E-03	6.47E-04
3376	565177.1	4222404	0.008604	0.011379	4.08E-03	4.56E-03	1.25E-02	4.08E-03	1.13E-03	2.22E-03	1.33E-03	8.74E-04	1.24E-03	6.08E-04
3377	565156.8	4222323	0.00998	0.013198	4.73E-03	5.29E-03	1.45E-02	4.73E-03	1.31E-03	2.58E-03	1.55E-03	1.01E-03	1.44E-03	7.06E-04
3378	565158	4222332	0.009918	0.013116	4.70E-03	5.26E-03	1.44E-02	4.70E-03	1.30E-03	2.56E-03	1.54E-03	1.01E-03	1.43E-03	7.01E-04
3379	565167.3	4222406	0.008108	0.010723	3.84E-03	4.30E-03	1.18E-02	3.84E-03	1.06E-03	2.09E-03	1.26E-03	8.24E-04	1.17E-03	5.73E-04
3380	565147	4222324	0.009364	0.012383	4.44E-03	4.96E-03	1.36E-02	4.44E-03	1.23E-03	2.42E-03	1.45E-03	9.52E-04	1.35E-03	6.62E-04
3381	565148.2	4222333	0.009304	0.012304	4.41E-03	4.93E-03	1.35E-02	4.41E-03	1.22E-03	2.40E-03	1.44E-03	9.46E-04	1.34E-03	6.58E-04
3382	565149.4	4222342	0.009203	0.01217	4.36E-03	4.88E-03	1.33E-02	4.36E-03	1.21E-03	2.38E-03	1.43E-03	9.35E-04	1.32E-03	6.51E-04
3383	565150.6	4222352	0.009064	0.011987	4.29E-03	4.81E-03	1.31E-02	4.29E-03	1.19E-03	2.34E-03	1.41E-03	9.21E-04	1.30E-03	6.41E-04
3384	565151.7	4222361	0.008891	0.011758	4.21E-03	4.71E-03	1.29E-02	4.21E-03	1.17E-03	2.30E-03	1.38E-03	9.04E-04	1.28E-03	6.29E-04
3385	565152.9	4222370	0.008687	0.011489	4.12E-03	4.61E-03	1.26E-02	4.12E-03	1.14E-03	2.24E-03	1.35E-03	8.83E-04	1.25E-03	6.14E-04
3386	565157.6	4222407	0.007654	0.010123	3.63E-03	4.06E-03	1.11E-02	3.63E-03	1.01E-03	1.98E-03	1.19E-03	7.78E-04	1.10E-03	5.41E-04
3387	565137.3	4222325	0.008808	0.011648	4.17E-03	4.67E-03	1.28E-02	4.17E-03	1.16E-03	2.28E-03	1.37E-03	8.95E-04	1.27E-03	6.23E-04
3388	565138.5	4222334	0.00875	0.011572	4.15E-03	4.64E-03	1.27E-02	4.15E-03	1.15E-03	2.26E-03	1.36E-03	8.89E-04	1.26E-03	6.19E-04
3389	565139.6	4222344	0.008656	0.011447	4.10E-03	4.59E-03	1.25E-02	4.10E-03	1.14E-03	2.24E-03	1.34E-03	8.80E-04	1.25E-03	6.12E-04
3390	565140.8	4222353	0.008528	0.011278	4.04E-03	4.52E-03	1.24E-02	4.04E-03	1.12E-03	2.20E-03	1.32E-03	8.67E-04	1.23E-03	6.03E-04
3391	565142	4222362	0.00837	0.011069	3.97E-03	4.44E-03	1.21E-02	3.97E-03	1.10E-03	2.16E-03	1.30E-03	8.51E-04	1.20E-03	5.92E-04
3392	565143.1	4222371	0.008185	0.010824	3.88E-03	4.34E-03	1.19E-02	3.88E-03	1.07E-03	2.11E-03	1.27E-03	8.32E-04	1.18E-03	5.79E-04
3393	565146.6	4222399	0.0075	0.009919	3.55E-03	3.98E-03	1.09E-02	3.55E-03	9.85E-04	1.94E-03	1.16E-03	7.62E-04	1.08E-03	5.30E-04
3394	565147.8	4222408	0.007239	0.009573	3.43E-03	3.84E-03	1.05E-02	3.43E-03	9.51E-04	1.87E-03	1.12E-03	7.36E-04	1.04E-03	5.12E-04
3395	565127.5	4222326	0.008304	0.010982	3.93E-03	4.40E-03	1.20E-02	3.93E-03	1.09E-03	2.15E-03	1.29E-03	8.44E-04	1.19E-03	5.87E-04
3396	565128.7	4222336	0.008248	0.010907	3.91E-03	4.37E-03	1.20E-02	3.91E-03	1.08E-03	2.13E-03	1.28E-03	8.38E-04	1.19E-03	5.83E-04
3397	565129.9	4222345	0.008159	0.010791	3.87E-03	4.33E-03	1.18E-02	3.87E-03	1.07E-03	2.11E-03	1.26E-03	8.29E-04	1.17E-03	5.77E-04
3398	565131	4222354	0.008041	0.010635	3.81E-03	4.26E-03	1.17E-02	3.81E-03	1.06E-03	2.08E-03	1.25E-03	8.17E-04	1.16E-03	5.69E-04
3399	565132.2	4222363	0.007896	0.010442	3.74E-03	4.19E-03	1.14E-02	3.74E-03	1.04E-03	2.04E-03	1.22E-03	8.02E-04	1.14E-03	5.58E-04
3400	565133.4	4222372	0.007726	0.010217	3.66E-03	4.10E-03	1.12E-02	3.66E-03	1.01E-03	2.00E-03	1.20E-03	7.85E-04	1.11E-03	5.46E-04
3401	565136.9	4222400	0.007097	0.009386	3.36E-03	3.76E-03	1.03E-02	3.36E-03	9.32E-04	1.83E-03	1.10E-03	7.21E-04	1.02E-03	5.02E-04
3402	565138	4222409	0.006856	0.009067	3.25E-03	3.64E-03	9.94E-03	3.25E-03	9.00E-04	1.77E-03	1.06E-03	6.97E-04	9.86E-04	4.85E-04
3403	565117.8	4222328	0.007845	0.010375	3.72E-03	4.16E-03	1.14E-02	3.72E-03	1.03E-03	2.03E-03	1.22E-03	7.97E-04	1.13E-03	5.55E-04
3404	565118.9	4222337	0.00779	0.010302	3.69E-03	4.13E-03	1.13E-02	3.69E-03	1.02E-03	2.01E-03	1.21E-03	7.92E-04	1.12E-03	5.51E-04
3405	565120.1	4222346	0.007707	0.010192	3.65E-03	4.09E-03	1.12E-02	3.65E-03	1.01E-03	1.99E-03	1.19E-03	7.83E-04	1.11E-03	5.45E-04
3406	565121.3	4222355	0.007597	0.010047	3.60E-03	4.03E-03	1.10E-02	3.60E-03	9.98E-04	1.96E-03	1.18E-03	7.72E-04	1.09E-03	5.37E-04
3407	565122.4	4222364	0.007463	0.009869	3.54E-03	3.96E-03	1.08E-02	3.54E-03	9.80E-04	1.93E-03	1.16E-03	7.58E-04	1.07E-03	5.28E-04
3408	565123.6	4222374	0.007306	0.009662	3.46E-03	3.87E-03	1.06E-02	3.46E-03	9.59E-04	1.89E-03	1.13E-03	7.42E-04	1.05E-03	5.17E-04
3409	565127.1	4222401	0.006726	0.008895	3.19E-03	3.57E-03	9.75E-03	3.19E-03	8.83E-04	1.74E-03	1.04E-03	6.84E-04	9.68E-04	4.76E-04
3410	565128.3	4222411	0.006504	0.008602	3.08E-03	3.45E-03	9.43E-03	3.08E-03	8.54E-04	1.68E-03	1.01E-03	6.61E-04	9.36E-04	4.60E-04
3411	565108	4222329	0.007425	0.00982	3.52E-03	3.94E-03	1.08E-02	3.52E-03	9.75E-04	1.92E-03	1.15E-03	7.55E-04	1.07E-03	5.25E-04
3412	565109.2	4222338	0.007372	0.009749	3.49E-03	3.91E-03	1.07E-02	3.49E-03	9.68E-04	1.90E-03	1.14E-03	7.49E-04	1.06E-03	5.21E-04
3413	565110.3	4222347	0.007293	0.009645	3.46E-03	3.87E-03	1.06E-02	3.46E-03	9.58E-04	1.88E-03	1.13E-03	7.41E-04	1.05E-03	5.16E-04
3414	565111.5	4222356	0.00719	0.009509	3.41E-03	3.81E-03	1.04E-02	3.41E-03	9.44E-04	1.86E-03	1.11E-03	7.31E-04	1.03E-03	5.08E-04
3415	565112.7	4222366	0.007066	0.009344	3.35E-03	3.75E-03	1.02E-02	3.35E-03	9.28E-04	1.83E-03	1.10E-03	7.18E-04	1.02E-03	5.00E-04
3416	565113.8	4222375	0.006921	0.009153	3.28E-03	3.67E-03	1.00E-02	3.28E-03	9.09E-04	1.79E-03	1.07E-03	7.03E-04	9.96E-04	4.89E-04
3417	565098.2	4222330	0.00704	0.00931	3.34E-03	3.73E-03	1.02E-02	3.34E-03	9.25E-04	1.82E-03	1.09E-03	7.15E-04	1.01E-03	4.98E-04
3418	565099.4	4222339	0.006988	0.009242	3.31E-03	3.71E-03	1.01E-02	3.31E-03	9.18E-04	1.81E-03	1.08E-03	7.10E-04	1.01E-03	4.94E-04
3419	565100.6	4222348	0.006913	0.009142	3.27E-03	3.66E-03	1.00E-02	3.27E-03	9.08E-04	1.79E-03	1.07E-03	7.02E-04	9.94E-04	4.89E-04
3420	565101.7	4222358	0.006816	0.009014	3.23E-03	3.61E-03	9.88E-03	3.23E-03	8.95E-04	1.76E-03	1.06E-03	6.93E-04	9.80E-04	4.82E-04
3421	565102.9	4222367	0.0067	0.008861	3.17E-03	3.55E-03	9.71E-03	3.17E-03	8.80E-04	1.73E-03	1.04E-03	6.81E-04	9.64E-04	4.74E-04
3422	565104.1	4222376	0.006566	0.008683	3.11E-03	3.48E-03	9.52E-03	3.11E-03	8.62E-04	1.70E-03	1.02E-03	6.67E-04	9.44E-04	4.64E-04
3423	565088.5	4222331	0.006686	0.008842	3.17E-03	3.54E-03	9.69E-03	3.17E-03	8.78E-04	1.73E-03	1.04E-03	6.79E-04	9.62E-04	4.73E-04
3424	565089.6	4222340	0.006634	0.008774	3.14E-03	3.52E-03	9.62E-03	3.14E-03	8.71E-04	1.71E-03	1.03E-03	6.74E-04	9.54E-04	4.69E-04
3425	565090.8	4222350	0.006561	0.008677	3.11E-03	3.48E-03	9.51E-03	3.11E-03	8.62E-04	1.69E-03	1.02E-03	6.67E-04	9.44E-04	4.64E-04
3426	565092	4222359	0.006468	0.008554	3.06E-03	3.43E-03	9.38E-03	3.06E-03	8.49E-04	1.67E-03	1.00E-03	6.57E-04	9.30E-04	4.57E-04
3427	565093.2	4222368	0.006358	0.008409	3.01E-03	3.37E-03	9.22E-03	3.01E-03	8.35E-04	1.64E-03	9.86E-04	6.46E-04	9.15E-04	4.50E-04
3428	565094.3	4222377	0.006234	0.008244	2.95E-03	3.30E-03	9.04E-03	2.95E-03	8.19E-04	1.61E-03	9.66E-04	6.33E-04	8.97E-04	4.41E-04
3429	565097.8	4222405	0.005774	0.007636	2.74E-03	3.06E-03	8.37E-03	2.74E-03	7.58E-04	1.49E-03	8.95E-04	5.87E-04	8.31E-04	4.08E-04
3430	565099	4222414	0.005598	0.007403	2.65E-03	2.97E-03	8.12E-03	2.65E-03	7.35E-04	1.45E-03	8.68E-04	5.69E-04	8.05E-04	3.96E-04
3431	565077.6	4222323	0.006385	0.008445	3.03E-03	3.39E-03	9.26E-03	3.03E-03	8.39E-04	1.65E-03	9.90E-04	6.49E-04	9.19E-04	4.52E-04
3432	565078.7	4222332	0.006359	0.008409	3.01E-03	3.37E-03	9.22E-03	3.01E-03	8.35E-04	1.64E-03	9.86E-04	6.46E-04	9.15E-04	4.50E-04
3433	565079.9	4222342	0.006308	0.008342	2.99E-03	3.34E-03	9.15E-03	2.99E-03	8.28E-04	1.63E-03	9.78E-04	6.41E-04	9.07E-04	4.46E-04
3434	565081.1	4222351	0.006236	0.008247	2.95E-03	3.31E-03	9.04E-03	2.95E-03	8.19E-04	1.61E-03	9.67E-04	6.34E-04	8.97E-04	4.41E-04
3435	565082.2	4222360	0.006147	0.008129	2.91E-03	3.26E-03	8.91E-03	2.91E-03	8.07E-04	1.59E-03	9.53E-04	6.25E-04	8.84E-04	4.35E-04
3436	565083.4	4222369	0.006043	0.007991	2.86E-03	3.20E-03	8.76E-03	2.86E-03	7.94E-04	1.56E-03	9.37E-04	6.14E-04	8.69E-04	4.27E-04
3437	565084.6	4222379	0.005926	0.007837	2.81E-03	3.14E-03	8.59E-03	2.81E-03	7.78E-04	1.53E-03	9.19E-04	6.02E-04	8.52E-04	4.19E-04
3438	565088.1	4222406	0.005499	0.007272	2.61E-03	2.92E-03	7.97E-03	2.61E-03	7.22E-04	1.42E-03	8.52E-04	5.59E-04	7.91E-04	3.89E-04
3439	565089.2	4222416	0.005335	0.007055	2.53E-03	2.83E-03	7.73E-03	2.53E-03	7.01E-04	1.38E-03	8.27E-04	5.42E-04	7.67E-04	3.77E-04
3440	565069	4222334	0.006055	0.008008	2.87E-03	3.21E-03	8.78E-03	2.87E-03	7.95E-04	1.56E-03	9.39E-04	6.15E-04	8.71E-04	4.28E-04
3441	565070.1	4222343	0.006005	0.007941	2.84E-03	3.18E-03	8.71E-03	2.84E-03	7.89E-04	1.55E-03	9.31E-04	6.10E-04	8.64E-04	4.25E-04
3442	565071.3	4222352	0.005935	0.007849	2.81E-03	3.15E-03	8.60E-03	2.81E-03	7.79E-04	1.53E-03	9.20E-04	6.03E-04	8.54E-04	4.20E-04
3443	565072.5	4222361	0.005849	0.007736	2.77E-03	3.10E-03	8.48E-03	2.77E-03	7.68E-04	1.51E-03	9.07E-04	5.94E-04	8.41E-04	4.14E-04
3444	565073.6	4222371	0.005751	0.007605	2.72E-03	3.05E-03	8.34E-03	2.72E-03	7.55E-04	1.49E-03	8.91E-04	5.84E-04	8.27E-04	4.07E-04
3445	565074.8	4222380	0.005642	0.007461	2.67E-03	2.99E-03	8.18E-03	2.67E-03	7.41E-04	1.46E-03	8.75E-04	5.73E-04	8.12E-04	3.99E-04
3446	565078.3	4222408	0.005243	0.006933	2.48E-03	2.78E-03	7.60E-03	2.48E-03	6.89E-04	1.35E-03	8.13E-04	5.33E-04	7.54E-04	3.71E-04
3447	565079.5	4222417	0.00509	0.006732	2.41E-03	2.70E-03	7.38E-03	2.41E-03	6.68E-04	1.32E-03	7.89E-04	5.17E-04	7.32E-04	3.60E-04
3448	565059.2	4222335	0.005771	0.007633	2.73E-03	3.06E-03	8.37E-03	2.73E-03	7.58E-04	1.49E-03	8.95E-04	5.87E-04	8.30E-04	4.08E-04
3449	565060.4	4222344	0.005722	0.007567	2.71E-03	3.03E-03	8.30E-03	2.71E-03	7.51E-04	1.48E-03	8.87E-04	5.82E-04	8.23E-04	4.05E-04
3450	565061.5	4222353	0.005657	0.007481	2.68E-03	3.00E-03	8.20E-03	2.68E-03	7.43E-04	1.46E-03	8.77E-04	5.75E-04	8.14E-04	4.00E-04
3451	565062.7	4222363	0.005577	0.007375	2.64E-03	2.96E-03	8.09E-03	2.64E-03	7.32E-04	1.44E-03	8.65E-04	5.67E-04	8.02E-04	3.94E-04
3452	565063.9	4222372	0.005485	0.007254	2.60E-03	2.91E-03	7.95E-03	2.60E-03	7.20E-04	1.42E-03	8.50E-04	5.57E-04	7.89E-04	3.88E-04
3453	565065	4222381	0.005382	0.007117	2.55E-03	2.85E-03	7.80E-03	2.55E-03	7.07E-04	1.39E-03	8.34E-04	5.47E-04	7.74E-04	3.81E-04
3454	565069.7	4222418	0.004864	0.006433	2.30E-03	2.58E-03	7.05E-03	2.30E-03	6.39E-04	1.26E-03	7.54E-04	4.94E-04	7.00E-04	3.44E-04
3455	565049.4	4222336	0.005508	0.007284	2.61E-03	2.92E-03	7.98E-03	2.61E-03	7.23E-04	1.42E-03	8.54E-04	5.60E-04	7.92E-04	3.90E-04

3456	565050.6	4222345	0.00546	0.007221	2.59E-03	2.89E-03	7.92E-03	2.59E-03	7.17E-04	1.41E-03	8.46E-04	5.55E-04	7.85E-04	3.86E-04
3457	565051.8	4222355	0.005399	0.00714	2.56E-03	2.86E-03	7.83E-03	2.56E-03	7.09E-04	1.39E-03	8.37E-04	5.49E-04	7.77E-04	3.82E-04
3458	565052.9	4222364	0.005324	0.007041	2.52E-03	2.82E-03	7.72E-03	2.52E-03	6.99E-04	1.38E-03	8.25E-04	5.41E-04	7.66E-04	3.77E-04
3459	565054.1	4222373	0.005238	0.006927	2.48E-03	2.78E-03	7.59E-03	2.48E-03	6.88E-04	1.35E-03	8.12E-04	5.32E-04	7.53E-04	3.70E-04
3460	565055.3	4222382	0.005141	0.006798	2.44E-03	2.73E-03	7.45E-03	2.44E-03	6.75E-04	1.33E-03	7.97E-04	5.22E-04	7.39E-04	3.64E-04
3461	565060	4222419	0.004656	0.006158	2.21E-03	2.47E-03	6.75E-03	2.21E-03	6.11E-04	1.20E-03	7.22E-04	4.73E-04	6.70E-04	3.29E-04
3462	565039.7	4222337	0.005263	0.006961	2.49E-03	2.79E-03	7.63E-03	2.49E-03	6.91E-04	1.36E-03	8.16E-04	5.35E-04	7.57E-04	3.72E-04
3463	565040.8	4222347	0.005218	0.0069	2.47E-03	2.77E-03	7.56E-03	2.47E-03	6.85E-04	1.35E-03	8.09E-04	5.30E-04	7.51E-04	3.69E-04
3464	565042	4222356	0.005159	0.006823	2.44E-03	2.74E-03	7.48E-03	2.44E-03	6.78E-04	1.33E-03	8.00E-04	5.24E-04	7.42E-04	3.65E-04
3465	565043.2	4222365	0.005089	0.00673	2.41E-03	2.70E-03	7.38E-03	2.41E-03	6.68E-04	1.31E-03	7.89E-04	5.17E-04	7.32E-04	3.60E-04
3466	565044.4	4222374	0.005008	0.006623	2.37E-03	2.66E-03	7.26E-03	2.37E-03	6.58E-04	1.29E-03	7.76E-04	5.09E-04	7.20E-04	3.54E-04
3467	565045.5	4222384	0.004916	0.006501	2.33E-03	2.61E-03	7.13E-03	2.33E-03	6.46E-04	1.27E-03	7.62E-04	5.00E-04	7.07E-04	3.48E-04
3468	565046.7	4222393	0.004815	0.006367	2.28E-03	2.55E-03	6.98E-03	2.28E-03	6.32E-04	1.24E-03	7.46E-04	4.89E-04	6.93E-04	3.40E-04
3469	565050.2	4222420	0.004462	0.0059	2.11E-03	2.37E-03	6.47E-03	2.11E-03	5.86E-04	1.15E-03	6.92E-04	4.53E-04	6.42E-04	3.16E-04
3470	565029.9	4222339	0.005038	0.006663	2.39E-03	2.67E-03	7.30E-03	2.39E-03	6.62E-04	1.30E-03	7.81E-04	5.12E-04	7.25E-04	3.56E-04
3471	565031.1	4222348	0.004993	0.006603	2.37E-03	2.65E-03	7.24E-03	2.37E-03	6.56E-04	1.29E-03	7.74E-04	5.07E-04	7.18E-04	3.53E-04
3472	565032.3	4222357	0.004937	0.006529	2.34E-03	2.62E-03	7.16E-03	2.34E-03	6.48E-04	1.28E-03	7.65E-04	5.02E-04	7.10E-04	3.49E-04
3473	565033.4	4222366	0.00487	0.00644	2.31E-03	2.58E-03	7.06E-03	2.31E-03	6.40E-04	1.26E-03	7.55E-04	4.95E-04	7.01E-04	3.44E-04
3474	565034.6	4222376	0.004792	0.006337	2.27E-03	2.54E-03	6.95E-03	2.27E-03	6.29E-04	1.24E-03	7.43E-04	4.87E-04	6.89E-04	3.39E-04
3475	565035.8	4222385	0.004704	0.006221	2.23E-03	2.49E-03	6.82E-03	2.23E-03	6.18E-04	1.22E-03	7.29E-04	4.78E-04	6.77E-04	3.33E-04
3476	565036.9	4222394	0.004608	0.006094	2.18E-03	2.44E-03	6.68E-03	2.18E-03	6.05E-04	1.19E-03	7.14E-04	4.68E-04	6.63E-04	3.26E-04
3477	565020.2	4222340	0.004827	0.006384	2.29E-03	2.56E-03	7.00E-03	2.29E-03	6.34E-04	1.25E-03	7.48E-04	4.91E-04	6.94E-04	3.41E-04
3478	565021.3	4222349	0.004784	0.006326	2.27E-03	2.54E-03	6.94E-03	2.27E-03	6.28E-04	1.24E-03	7.42E-04	4.86E-04	6.88E-04	3.38E-04
3479	565022.5	4222358	0.004729	0.006254	2.24E-03	2.51E-03	6.86E-03	2.24E-03	6.21E-04	1.22E-03	7.33E-04	4.81E-04	6.80E-04	3.34E-04
3480	565023.7	4222368	0.004665	0.006169	2.21E-03	2.47E-03	6.76E-03	2.21E-03	6.13E-04	1.21E-03	7.23E-04	4.74E-04	6.71E-04	3.30E-04
3481	565024.8	4222377	0.00459	0.00607	2.17E-03	2.43E-03	6.65E-03	2.17E-03	6.03E-04	1.19E-03	7.11E-04	4.66E-04	6.60E-04	3.25E-04
3482	565026	4222386	0.004506	0.005959	2.13E-03	2.39E-03	6.53E-03	2.13E-03	5.92E-04	1.16E-03	6.98E-04	4.58E-04	6.48E-04	3.19E-04
3483	565027.2	4222395	0.004414	0.005837	2.09E-03	2.34E-03	6.40E-03	2.09E-03	5.80E-04	1.14E-03	6.84E-04	4.49E-04	6.35E-04	3.12E-04
3484	565010.4	4222341	0.00463	0.006123	2.19E-03	2.45E-03	6.71E-03	2.19E-03	6.08E-04	1.20E-03	7.18E-04	4.71E-04	6.66E-04	3.27E-04
3485	565011.6	4222350	0.004587	0.006066	2.17E-03	2.43E-03	6.65E-03	2.17E-03	6.02E-04	1.19E-03	7.11E-04	4.66E-04	6.60E-04	3.24E-04
3486	565012.7	4222360	0.004535	0.005997	2.15E-03	2.40E-03	6.57E-03	2.15E-03	5.96E-04	1.17E-03	7.03E-04	4.61E-04	6.52E-04	3.21E-04
3487	565013.9	4222369	0.004473	0.005915	2.12E-03	2.37E-03	6.48E-03	2.12E-03	5.87E-04	1.16E-03	6.93E-04	4.55E-04	6.43E-04	3.16E-04
3488	565015.1	4222378	0.0044	0.005819	2.08E-03	2.33E-03	6.38E-03	2.08E-03	5.78E-04	1.14E-03	6.82E-04	4.47E-04	6.33E-04	3.11E-04
3489	565016.2	4222387	0.004319	0.005712	2.05E-03	2.29E-03	6.26E-03	2.05E-03	5.67E-04	1.12E-03	6.70E-04	4.39E-04	6.21E-04	3.05E-04
3490	565017.4	4222396	0.004232	0.005596	2.00E-03	2.24E-03	6.13E-03	2.00E-03	5.56E-04	1.09E-03	6.56E-04	4.30E-04	6.09E-04	2.99E-04
3491	565018.6	4222406	0.00414	0.005476	1.96E-03	2.20E-03	6.00E-03	1.96E-03	5.44E-04	1.07E-03	6.42E-04	4.21E-04	5.96E-04	2.93E-04
3492	565000.6	4222342	0.004444	0.005877	2.11E-03	2.36E-03	6.44E-03	2.11E-03	5.84E-04	1.15E-03	6.89E-04	4.52E-04	6.39E-04	3.14E-04
3493	565001.8	4222352	0.004401	0.005821	2.09E-03	2.33E-03	6.38E-03	2.09E-03	5.78E-04	1.14E-03	6.82E-04	4.47E-04	6.33E-04	3.11E-04
3494	565003	4222361	0.00435	0.005753	2.06E-03	2.31E-03	6.31E-03	2.06E-03	5.71E-04	1.12E-03	6.74E-04	4.42E-04	6.26E-04	3.08E-04
3495	565004.1	4222370	0.00429	0.005674	2.03E-03	2.27E-03	6.22E-03	2.03E-03	5.63E-04	1.11E-03	6.65E-04	4.36E-04	6.17E-04	3.03E-04
3496	565005.3	4222379	0.004222	0.005583	2.00E-03	2.24E-03	6.12E-03	2.00E-03	5.54E-04	1.09E-03	6.54E-04	4.29E-04	6.07E-04	2.99E-04
3497	565006.5	4222389	0.004146	0.005483	1.96E-03	2.20E-03	6.01E-03	1.96E-03	5.44E-04	1.07E-03	6.43E-04	4.21E-04	5.96E-04	2.93E-04
3498	565007.6	4222398	0.004063	0.005373	1.92E-03	2.15E-03	5.89E-03	1.92E-03	5.34E-04	1.05E-03	6.30E-04	4.13E-04	5.84E-04	2.87E-04
3499	565008.8	4222407	0.003976	0.005258	1.88E-03	2.11E-03	5.76E-03	1.88E-03	5.22E-04	1.03E-03	6.16E-04	4.04E-04	5.72E-04	2.81E-04
3500	564990.9	4222344	0.00427	0.005646	2.02E-03	2.26E-03	6.19E-03	2.02E-03	5.61E-04	1.10E-03	6.62E-04	4.34E-04	6.14E-04	3.02E-04
3501	564992	4222353	0.004227	0.00559	2.00E-03	2.24E-03	6.13E-03	2.00E-03	5.55E-04	1.09E-03	6.55E-04	4.30E-04	6.08E-04	2.99E-04
3502	564993.2	4222362	0.004176	0.005523	1.98E-03	2.21E-03	6.05E-03	1.98E-03	5.48E-04	1.08E-03	6.47E-04	4.24E-04	6.01E-04	2.95E-04
3503	564994.4	4222371	0.004119	0.005447	1.95E-03	2.18E-03	5.97E-03	1.95E-03	5.41E-04	1.06E-03	6.38E-04	4.19E-04	5.92E-04	2.91E-04
3504	564995.6	4222381	0.004055	0.005362	1.92E-03	2.15E-03	5.88E-03	1.92E-03	5.32E-04	1.05E-03	6.29E-04	4.12E-04	5.83E-04	2.87E-04
3505	564996.7	4222390	0.003983	0.005268	1.89E-03	2.11E-03	5.77E-03	1.89E-03	5.23E-04	1.03E-03	6.17E-04	4.05E-04	5.73E-04	2.82E-04
3506	564997.9	4222399	0.003906	0.005165	1.85E-03	2.07E-03	5.66E-03	1.85E-03	5.13E-04	1.01E-03	6.05E-04	3.97E-04	5.62E-04	2.76E-04
3507	564999.1	4222408	0.003823	0.005056	1.81E-03	2.03E-03	5.54E-03	1.81E-03	5.02E-04	9.88E-04	5.93E-04	3.88E-04	5.50E-04	2.70E-04
3508	564971	4222346	0.003942	0.005214	1.87E-03	2.09E-03	5.72E-03	1.87E-03	5.18E-04	1.02E-03	6.11E-04	4.01E-04	5.67E-04	2.79E-04
3509	564972.2	4222355	0.003901	0.005159	1.85E-03	2.07E-03	5.66E-03	1.85E-03	5.12E-04	1.01E-03	6.05E-04	3.96E-04	5.61E-04	2.76E-04
3510	564973.4	4222365	0.003853	0.005096	1.83E-03	2.04E-03	5.59E-03	1.83E-03	5.06E-04	9.95E-04	5.97E-04	3.92E-04	5.54E-04	2.73E-04
3511	564974.5	4222374	0.003802	0.005027	1.80E-03	2.02E-03	5.51E-03	1.80E-03	4.99E-04	9.82E-04	5.89E-04	3.86E-04	5.47E-04	2.69E-04
3512	564975.7	4222383	0.003744	0.004952	1.77E-03	1.99E-03	5.43E-03	1.77E-03	4.92E-04	9.67E-04	5.80E-04	3.81E-04	5.39E-04	2.65E-04
3513	564980.4	4222420	0.003458	0.004573	1.64E-03	1.83E-03	5.01E-03	1.64E-03	4.54E-04	8.93E-04	5.36E-04	3.51E-04	4.97E-04	2.45E-04
3514	564981.6	4222429	0.003376	0.004464	1.60E-03	1.79E-03	4.89E-03	1.60E-03	4.43E-04	8.72E-04	5.23E-04	3.43E-04	4.86E-04	2.39E-04
3515	564950	4222339	0.003685	0.004873	1.75E-03	1.95E-03	5.34E-03	1.75E-03	4.84E-04	9.52E-04	5.71E-04	3.74E-04	5.30E-04	2.61E-04
3516	564951.2	4222349	0.003652	0.004829	1.73E-03	1.94E-03	5.29E-03	1.73E-03	4.80E-04	9.43E-04	5.66E-04	3.71E-04	5.25E-04	2.58E-04
3517	564952.4	4222358	0.003612	0.004777	1.71E-03	1.92E-03	5.24E-03	1.71E-03	4.74E-04	9.33E-04	5.60E-04	3.67E-04	5.20E-04	2.55E-04
3518	564958.2	4222404	0.003349	0.00443	1.59E-03	1.78E-03	4.86E-03	1.59E-03	4.40E-04	8.65E-04	5.19E-04	3.40E-04	4.82E-04	2.37E-04
3519	564959.4	4222413	0.003284	0.004343	1.56E-03	1.74E-03	4.76E-03	1.56E-03	4.31E-04	8.48E-04	5.09E-04	3.34E-04	4.72E-04	2.32E-04
3520	564960.5	4222422	0.003214	0.004251	1.52E-03	1.70E-03	4.66E-03	1.52E-03	4.22E-04	8.30E-04	4.98E-04	3.27E-04	4.62E-04	2.27E-04
3521	564961.7	4222432	0.003143	0.004157	1.49E-03	1.67E-03	4.56E-03	1.49E-03	4.13E-04	8.12E-04	4.87E-04	3.19E-04	4.52E-04	2.22E-04
3522	564934.9	4222379	0.003275	0.004331	1.55E-03	1.74E-03	4.75E-03	1.55E-03	4.30E-04	8.46E-04	5.08E-04	3.33E-04	4.71E-04	2.32E-04
3523	564936	4222388	0.003227	0.004267	1.53E-03	1.71E-03	4.68E-03	1.53E-03	4.24E-04	8.34E-04	5.00E-04	3.28E-04	4.64E-04	2.28E-04
3524	564937.2	4222397	0.003175	0.004198	1.50E-03	1.68E-03	4.60E-03	1.50E-03	4.17E-04	8.20E-04	4.92E-04	3.23E-04	4.57E-04	2.25E-04
3525	564938.4	4222407	0.003119	0.004125	1.48E-03	1.65E-03	4.52E-03	1.48E-03	4.10E-04	8.06E-04	4.83E-04	3.17E-04	4.49E-04	2.21E-04
3526	564939.5	4222416	0.00306	0.004047	1.45E-03	1.62E-03	4.44E-03	1.45E-03	4.02E-04	7.90E-04	4.74E-04	3.11E-04	4.40E-04	2.16E-04
3527	564940.7	4222425	0.002998	0.003964	1.42E-03	1.59E-03	4.35E-03	1.42E-03	3.94E-04	7.74E-04	4.65E-04	3.05E-04	4.31E-04	2.12E-04
3528	564941.9	4222434	0.002935	0.003881	1.39E-03	1.56E-03	4.25E-03	1.39E-03	3.85E-04	7.58E-04	4.55E-04	2.98E-04	4.22E-04	2.08E-04
3529	564911.5	4222354	0.003167	0.004189	1.50E-03	1.68E-03	4.59E-03	1.50E-03	4.16E-04	8.18E-04	4.91E-04	3.22E-04	4.56E-04	2.24E-04
3530	564912.7	4222363	0.003133	0.004144	1.48E-03	1.66E-03	4.54E-03	1.48E-03	4.11E-04	8.09E-04	4.86E-04	3.18E-04	4.51E-04	2.22E-04
3531	564913.8	4222372	0.003096	0.004094	1.47E-03	1.64E-03	4.49E-03	1.47E-03	4.07E-04	8.00E-04	4.80E-04	3.15E-04	4.45E-04	2.19E-04
3532	564915	4222381	0.003055	0.004041	1.45E-03	1.62E-03	4.43E-03	1.45E-03	4.01E-04	7.89E-04	4.74E-04	3.10E-04	4.39E-04	2.16E-04
3533	564916.2	4222391	0.003011	0.003982	1.43E-03	1.60E-03	4.37E-03	1.43E-03	3.95E-04	7.78E-04	4.67E-04	3.06E-04	4.33E-04	2.13E-04
3534	564917.4	4222400	0.002964	0.00392	1.40E-03	1.57E-03	4.30E-03	1.40E-03	3.89E-04	7.66E-04	4.59E-04	3.01E-04	4.26E-04	2.10E-04
3535	564918.5	4222409	0.002914	0.003853	1.38E-03	1.54E-03	4.22E-03	1.38E-03	3.83E-04	7.53E-04	4.52E-04	2.96E-04	4.19E-04	2.06E-04
3536	564919.7	4222418	0.00286	0.003783	1.36E-03	1.52E-03	4.15E-03	1.36E-03	3.76E-04	7.39E-04	4.43E-04	2.91E-04	4.11E-04	2.02E-04
3537	564920.9	4222427	0.002804	0.003709	1.33E-03	1.49E-03	4.07E-03	1.33E-03	3.68E-04	7.25E-04	4.35E-04	2.85E-04	4.03E-04	1.98E-04
3538	564922	4222437	0.002748	0.003634	1.30E-03	1.46E-03	3.98E-03	1.30E-03	3.61E-04	7.10E-04	4.26E-04	2.79E-04	3.95E-04	1.94E-04
3539	564891.7	4222356	0.002961	0.003916	1.40E-03	1.57E-03	4.29E-03	1.40E-03	3.89E-04	7.65E-04	4.59E-04	3.01E-04	4.26E-04	2.09E-04
3540	564892.8	4222365	0.00293	0.003875	1.39E-03	1.55E-03	4.25E-03	1.39E-03	3.85E-04	7.57E-04	4.54E-04	2.98E-04	4.21E-04	2.07E-04
3541	564894	4222375	0.002896	0.00383	1.37E-03	1.54E-03	4.20E-03	1.37E-03	3.80E-04	7.48E-04	4.49E-04	2.94E-04	4.17E-04	2.05E-04
3542	564895.2	4222384	0.002858	0.00378	1.35E-03	1.52E-03	4.14E-03	1.35E-03	3.75E-04	7.38E-04	4.43E-04	2.90E-04	4.11E-04	2.02E-04
3543	564896.3	4222393	0.002818	0.003726	1.33E-03	1.49E-03	4.08E-03	1.33E-03	3.70E-04	7.28E-04	4.37E-04	2.86E-04	4.05E-04	1.99E-04
3544	564897.5	4222402	0.002775	0.00367	1.31E-03	1.47E-03	4.02E-03	1.31E-03	3.64E-04	7.17E-04	4.30E-04	2.82E-04	3.99E-04	1.96E-04
3545	564898.7	4222412	0.002731	0.003611	1.29E-03	1.45E-03	3.96E-03	1.29E-03	3.59E-04	7.05E-04	4.23E-04	2.77E-04	3.93E-04	1.93E-04
3546	564899.9	4222421	0.002683	0.003549	1.27E-03	1.42E-03	3.89E-03	1.27E-03	3.52E-04	6.93E-04	4.16E-04	2.73E-04	3.86E-04	1.90E-04

3547	564901	4222430	0.002633	0.003482	1.25E-03	1.40E-03	3.82E-03	1.25E-03	3.46E-04	6.80E-04	4.08E-04	2.68E-04	3.79E-04	1.86E-04
3548	564902.2	4222439	0.00258	0.003412	1.22E-03	1.37E-03	3.74E-03	1.22E-03	3.39E-04	6.67E-04	4.00E-04	2.62E-04	3.71E-04	1.82E-04
3549	564873	4222368	0.002747	0.003633	1.30E-03	1.46E-03	3.98E-03	1.30E-03	3.61E-04	7.10E-04	4.26E-04	2.79E-04	3.95E-04	1.94E-04
3550	564874.2	4222377	0.002715	0.003591	1.29E-03	1.44E-03	3.94E-03	1.29E-03	3.57E-04	7.01E-04	4.21E-04	2.76E-04	3.91E-04	1.92E-04
3551	564875.3	4222386	0.00268	0.003545	1.27E-03	1.42E-03	3.89E-03	1.27E-03	3.52E-04	6.92E-04	4.15E-04	2.72E-04	3.86E-04	1.90E-04
3552	564876.5	4222396	0.002643	0.003495	1.25E-03	1.40E-03	3.83E-03	1.25E-03	3.47E-04	6.83E-04	4.10E-04	2.69E-04	3.80E-04	1.87E-04
3553	564877.7	4222405	0.002604	0.003443	1.23E-03	1.38E-03	3.77E-03	1.23E-03	3.42E-04	6.73E-04	4.04E-04	2.65E-04	3.75E-04	1.84E-04
3554	564878.8	4222414	0.002562	0.003389	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.37E-04	6.62E-04	3.97E-04	2.60E-04	3.69E-04	1.81E-04
3555	564880	4222423	0.002519	0.003331	1.19E-03	1.34E-03	3.65E-03	1.19E-03	3.31E-04	6.51E-04	3.90E-04	2.56E-04	3.62E-04	1.78E-04
3556	564881.2	4222433	0.002474	0.003272	1.17E-03	1.31E-03	3.59E-03	1.17E-03	3.25E-04	6.39E-04	3.84E-04	2.51E-04	3.56E-04	1.75E-04
3557	564882.3	4222442	0.002427	0.00321	1.15E-03	1.29E-03	3.52E-03	1.15E-03	3.19E-04	6.27E-04	3.76E-04	2.47E-04	3.49E-04	1.72E-04
3558	564852	4222361	0.002609	0.00345	1.24E-03	1.38E-03	3.78E-03	1.24E-03	3.43E-04	6.74E-04	4.04E-04	2.65E-04	3.75E-04	1.85E-04
3559	564855.5	4222389	0.002519	0.003331	1.19E-03	1.34E-03	3.65E-03	1.19E-03	3.31E-04	6.51E-04	3.90E-04	2.56E-04	3.62E-04	1.78E-04
3560	564856.7	4222398	0.002485	0.003286	1.18E-03	1.32E-03	3.60E-03	1.18E-03	3.26E-04	6.42E-04	3.85E-04	2.52E-04	3.57E-04	1.76E-04
3561	564857.8	4222407	0.002448	0.003238	1.16E-03	1.30E-03	3.55E-03	1.16E-03	3.21E-04	6.32E-04	3.80E-04	2.49E-04	3.52E-04	1.73E-04
3562	564859	4222417	0.002409	0.003187	1.14E-03	1.28E-03	3.49E-03	1.14E-03	3.16E-04	6.22E-04	3.74E-04	2.45E-04	3.47E-04	1.70E-04
3563	564860.2	4222426	0.002369	0.003133	1.12E-03	1.26E-03	3.43E-03	1.12E-03	3.11E-04	6.12E-04	3.67E-04	2.41E-04	3.41E-04	1.68E-04
3564	564861.3	4222435	0.002329	0.00308	1.10E-03	1.23E-03	3.38E-03	1.10E-03	3.06E-04	6.02E-04	3.61E-04	2.37E-04	3.35E-04	1.65E-04
3565	564862.5	4222444	0.002288	0.003026	1.08E-03	1.21E-03	3.32E-03	1.08E-03	3.00E-04	5.91E-04	3.55E-04	2.33E-04	3.29E-04	1.62E-04
3566	564831	4222355	0.00248	0.00328	1.18E-03	1.32E-03	3.60E-03	1.18E-03	3.26E-04	6.41E-04	3.85E-04	2.52E-04	3.57E-04	1.75E-04
3567	564832.1	4222364	0.002457	0.003249	1.16E-03	1.30E-03	3.56E-03	1.16E-03	3.23E-04	6.35E-04	3.81E-04	2.50E-04	3.53E-04	1.74E-04
3568	564833.3	4222373	0.002431	0.003215	1.15E-03	1.29E-03	3.52E-03	1.15E-03	3.19E-04	6.28E-04	3.77E-04	2.47E-04	3.50E-04	1.72E-04
3569	564836.8	4222401	0.002341	0.003096	1.11E-03	1.24E-03	3.39E-03	1.11E-03	3.07E-04	6.05E-04	3.63E-04	2.38E-04	3.37E-04	1.66E-04
3570	564838	4222410	0.002308	0.003053	1.09E-03	1.22E-03	3.35E-03	1.09E-03	3.03E-04	5.96E-04	3.58E-04	2.35E-04	3.32E-04	1.63E-04
3571	564839.2	4222419	0.002274	0.003007	1.08E-03	1.21E-03	3.30E-03	1.08E-03	2.99E-04	5.87E-04	3.52E-04	2.31E-04	3.27E-04	1.61E-04
3572	564840.3	4222428	0.002238	0.002959	1.06E-03	1.19E-03	3.24E-03	1.06E-03	2.94E-04	5.78E-04	3.47E-04	2.27E-04	3.22E-04	1.58E-04
3573	564841.5	4222438	0.0022	0.00291	1.04E-03	1.17E-03	3.19E-03	1.04E-03	2.89E-04	5.68E-04	3.41E-04	2.24E-04	3.16E-04	1.56E-04
3574	564842.7	4222447	0.002162	0.002859	1.02E-03	1.15E-03	3.13E-03	1.02E-03	2.84E-04	5.58E-04	3.35E-04	2.20E-04	3.11E-04	1.53E-04
3575	564812.3	4222366	0.002318	0.003066	1.10E-03	1.23E-03	3.36E-03	1.10E-03	3.04E-04	5.99E-04	3.59E-04	2.36E-04	3.33E-04	1.64E-04
3576	564813.5	4222375	0.002294	0.003033	1.09E-03	1.22E-03	3.33E-03	1.09E-03	3.01E-04	5.93E-04	3.56E-04	2.33E-04	3.30E-04	1.62E-04
3577	564814.6	4222385	0.002267	0.002999	1.07E-03	1.20E-03	3.29E-03	1.07E-03	2.98E-04	5.86E-04	3.51E-04	2.30E-04	3.26E-04	1.60E-04
3578	564815.8	4222394	0.002239	0.002961	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.94E-04	5.78E-04	3.47E-04	2.28E-04	3.22E-04	1.58E-04
3579	564820.5	4222431	0.002115	0.002797	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.46E-04	3.28E-04	2.15E-04	3.04E-04	1.50E-04
3580	564821.7	4222440	0.002081	0.002752	9.86E-04	1.10E-03	3.02E-03	9.86E-04	2.73E-04	5.38E-04	3.23E-04	2.11E-04	2.99E-04	1.47E-04
3581	564822.8	4222449	0.002045	0.002705	9.69E-04	1.08E-03	2.97E-03	9.69E-04	2.69E-04	5.28E-04	3.17E-04	2.08E-04	2.94E-04	1.45E-04
3582	564792.5	4222369	0.002191	0.002898	1.04E-03	1.16E-03	3.18E-03	1.04E-03	2.88E-04	5.66E-04	3.40E-04	2.23E-04	3.15E-04	1.55E-04
3583	564793.6	4222378	0.002169	0.002868	1.03E-03	1.15E-03	3.14E-03	1.03E-03	2.85E-04	5.60E-04	3.36E-04	2.20E-04	3.12E-04	1.53E-04
3584	564794.8	4222387	0.002144	0.002836	1.02E-03	1.14E-03	3.11E-03	1.02E-03	2.82E-04	5.54E-04	3.32E-04	2.18E-04	3.08E-04	1.52E-04
3585	564796	4222396	0.002118	0.002801	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.47E-04	3.28E-04	2.15E-04	3.05E-04	1.50E-04
3586	564797.1	4222406	0.002091	0.002765	9.91E-04	1.11E-03	3.03E-03	9.91E-04	2.75E-04	5.40E-04	3.24E-04	2.13E-04	3.01E-04	1.48E-04
3587	564798.3	4222415	0.002063	0.002728	9.77E-04	1.09E-03	2.99E-03	9.77E-04	2.71E-04	5.33E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
3588	564799.5	4222424	0.002033	0.002689	9.63E-04	1.08E-03	2.95E-03	9.63E-04	2.67E-04	5.25E-04	3.15E-04	2.07E-04	2.92E-04	1.44E-04
3589	564800.6	4222433	0.002003	0.002648	9.49E-04	1.06E-03	2.90E-03	9.49E-04	2.63E-04	5.17E-04	3.10E-04	2.04E-04	2.88E-04	1.42E-04
3590	564772.6	4222371	0.002075	0.002744	9.83E-04	1.10E-03	3.01E-03	9.83E-04	2.73E-04	5.36E-04	3.22E-04	2.11E-04	2.99E-04	1.47E-04
3591	564773.8	4222381	0.002055	0.002717	9.73E-04	1.09E-03	2.98E-03	9.73E-04	2.70E-04	5.31E-04	3.18E-04	2.09E-04	2.96E-04	1.45E-04
3592	564775	4222390	0.002032	0.002688	9.63E-04	1.08E-03	2.95E-03	9.63E-04	2.67E-04	5.25E-04	3.15E-04	2.07E-04	2.92E-04	1.44E-04
3593	564776.1	4222399	0.002008	0.002656	9.51E-04	1.06E-03	2.91E-03	9.51E-04	2.64E-04	5.19E-04	3.11E-04	2.04E-04	2.89E-04	1.42E-04
3594	564777.3	4222408	0.001982	0.002622	9.39E-04	1.05E-03	2.87E-03	9.39E-04	2.60E-04	5.12E-04	3.07E-04	2.01E-04	2.85E-04	1.40E-04
3595	564778.5	4222417	0.001955	0.002586	9.26E-04	1.04E-03	2.83E-03	9.26E-04	2.57E-04	5.05E-04	3.03E-04	1.99E-04	2.81E-04	1.38E-04
3596	564779.6	4222427	0.001927	0.002549	9.13E-04	1.02E-03	2.79E-03	9.13E-04	2.53E-04	4.98E-04	2.99E-04	1.96E-04	2.77E-04	1.36E-04
3597	564780.8	4222436	0.001899	0.002512	9.00E-04	1.01E-03	2.75E-03	9.00E-04	2.49E-04	4.91E-04	2.94E-04	1.93E-04	2.73E-04	1.34E-04
3598	564782	4222445	0.00187	0.002473	8.86E-04	9.91E-04	2.71E-03	8.86E-04	2.46E-04	4.83E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
3599	564783.1	4222454	0.00184	0.002433	8.72E-04	9.75E-04	2.67E-03	8.72E-04	2.42E-04	4.75E-04	2.85E-04	1.87E-04	2.65E-04	1.30E-04
3600	564752.8	4222374	0.001968	0.002603	9.33E-04	1.04E-03	2.85E-03	9.33E-04	2.58E-04	5.09E-04	3.05E-04	2.00E-04	2.83E-04	1.39E-04
3601	564753.9	4222383	0.001949	0.002577	9.23E-04	1.03E-03	2.83E-03	9.23E-04	2.56E-04	5.03E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
3602	564755.1	4222392	0.001928	0.00255	9.13E-04	1.02E-03	2.79E-03	9.13E-04	2.53E-04	4.98E-04	2.99E-04	1.96E-04	2.77E-04	1.36E-04
3603	564756.3	4222401	0.001905	0.00252	9.03E-04	1.01E-03	2.76E-03	9.03E-04	2.50E-04	4.92E-04	2.95E-04	1.94E-04	2.74E-04	1.35E-04
3604	564757.5	4222411	0.001881	0.002488	8.91E-04	9.97E-04	2.73E-03	8.91E-04	2.47E-04	4.86E-04	2.92E-04	1.91E-04	2.71E-04	1.33E-04
3605	564758.6	4222420	0.001856	0.002455	8.79E-04	9.84E-04	2.69E-03	8.79E-04	2.44E-04	4.80E-04	2.88E-04	1.89E-04	2.67E-04	1.31E-04
3606	564759.8	4222429	0.00183	0.00242	8.67E-04	9.70E-04	2.65E-03	8.67E-04	2.40E-04	4.73E-04	2.84E-04	1.86E-04	2.63E-04	1.29E-04
3607	564761	4222438	0.001804	0.002386	8.55E-04	9.56E-04	2.62E-03	8.55E-04	2.37E-04	4.66E-04	2.80E-04	1.83E-04	2.60E-04	1.28E-04
3608	564762.1	4222448	0.001777	0.00235	8.42E-04	9.42E-04	2.58E-03	8.42E-04	2.33E-04	4.59E-04	2.75E-04	1.81E-04	2.56E-04	1.26E-04
3609	564763.3	4222457	0.001749	0.002313	8.29E-04	9.27E-04	2.54E-03	8.29E-04	2.30E-04	4.52E-04	2.71E-04	1.78E-04	2.52E-04	1.24E-04
3610	564732.9	4222376	0.001871	0.002474	8.86E-04	9.92E-04	2.71E-03	8.86E-04	2.46E-04	4.83E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
3611	564736.4	4222404	0.00181	0.002394	8.58E-04	9.60E-04	2.62E-03	8.58E-04	2.38E-04	4.68E-04	2.81E-04	1.84E-04	2.60E-04	1.28E-04
3612	564737.6	4222413	0.001788	0.002365	8.47E-04	9.48E-04	2.59E-03	8.47E-04	2.35E-04	4.62E-04	2.77E-04	1.82E-04	2.57E-04	1.26E-04
3613	564738.8	4222422	0.001765	0.002334	8.36E-04	9.36E-04	2.56E-03	8.36E-04	2.32E-04	4.56E-04	2.74E-04	1.79E-04	2.54E-04	1.25E-04
3614	564740	4222432	0.001741	0.002302	8.25E-04	9.23E-04	2.52E-03	8.25E-04	2.29E-04	4.50E-04	2.70E-04	1.77E-04	2.50E-04	1.23E-04
3615	564741.1	4222441	0.001716	0.00227	8.13E-04	9.10E-04	2.49E-03	8.13E-04	2.25E-04	4.43E-04	2.66E-04	1.74E-04	2.47E-04	1.21E-04
3616	564742.3	4222450	0.001691	0.002236	8.01E-04	8.97E-04	2.45E-03	8.01E-04	2.22E-04	4.37E-04	2.62E-04	1.72E-04	2.43E-04	1.20E-04
3617	564743.5	4222459	0.001665	0.002202	7.89E-04	8.83E-04	2.41E-03	7.89E-04	2.19E-04	4.30E-04	2.58E-04	1.69E-04	2.40E-04	1.18E-04
3618	564711.9	4222370	0.001798	0.002377	8.52E-04	9.53E-04	2.61E-03	8.52E-04	2.36E-04	4.64E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
3619	564713.1	4222379	0.00178	0.002354	8.43E-04	9.44E-04	2.58E-03	8.43E-04	2.34E-04	4.60E-04	2.76E-04	1.81E-04	2.56E-04	1.26E-04
3620	564714.3	4222388	0.001762	0.00233	8.35E-04	9.34E-04	2.55E-03	8.35E-04	2.31E-04	4.55E-04	2.73E-04	1.79E-04	2.53E-04	1.25E-04
3621	564695.6	4222400	0.001661	0.002196	7.87E-04	8.80E-04	2.41E-03	7.87E-04	2.18E-04	4.29E-04	2.57E-04	1.69E-04	2.39E-04	1.17E-04
3622	564696.8	4222409	0.001642	0.002172	7.78E-04	8.71E-04	2.38E-03	7.78E-04	2.16E-04	4.24E-04	2.55E-04	1.67E-04	2.36E-04	1.16E-04
3623	564697.9	4222418	0.001623	0.002146	7.69E-04	8.61E-04	2.35E-03	7.69E-04	2.13E-04	4.19E-04	2.52E-04	1.65E-04	2.33E-04	1.15E-04
3624	564699.1	4222427	0.001603	0.00212	7.59E-04	8.50E-04	2.32E-03	7.59E-04	2.11E-04	4.14E-04	2.48E-04	1.63E-04	2.31E-04	1.13E-04
3625	564700.3	4222437	0.001582	0.002092	7.49E-04	8.39E-04	2.29E-03	7.49E-04	2.08E-04	4.09E-04	2.45E-04	1.61E-04	2.28E-04	1.12E-04
3626	564701.4	4222446	0.00156	0.002063	7.39E-04	8.27E-04	2.26E-03	7.39E-04	2.05E-04	4.03E-04	2.42E-04	1.59E-04	2.24E-04	1.10E-04
3627	564702.6	4222455	0.001538	0.002034	7.29E-04	8.15E-04	2.23E-03	7.29E-04	2.02E-04	3.97E-04	2.38E-04	1.56E-04	2.21E-04	1.09E-04
3628	564703.8	4222464	0.001515	0.002004	7.18E-04	8.03E-04	2.20E-03	7.18E-04	1.99E-04	3.91E-04	2.35E-04	1.54E-04	2.18E-04	1.07E-04
3629	565258.1	4222418	0.013162	0.017406	6.24E-03	6.98E-03	1.91E-02	6.24E-03	1.73E-03	3.40E-03	2.04E-03	1.34E-03	1.89E-03	9.31E-04
3630	565251.7	4222407	0.013461	0.017803	6.38E-03	7.14E-03	1.95E-02	6.38E-03	1.77E-03	3.48E-03	2.09E-03	1.37E-03	1.94E-03	9.52E-04
3631	565258.2	4222437	0.011696	0.015468	5.54E-03	6.20E-03	1.70E-02	5.54E-03	1.54E-03	3.02E-03	1.81E-03	1.19E-03	1.68E-03	8.27E-04
3632	565251.8	4222425	0.011988	0.015854	5.68E-03	6.36E-03	1.74E-02	5.68E-03	1.57E-03	3.10E-03	1.86E-03	1.22E-03	1.72E-03	8.48E-04
3633	565245.3	4222414	0.012319	0.016291	5.84E-03	6.53E-03	1.79E-02	5.84E-03	1.62E-03	3.18E-03	1.91E-03	1.25E-03	1.77E-03	8.71E-04
3634	565252.1	4222444	0.010577	0.013988	5.01E-03	5.61E-03	1.53E-02	5.01E-03	1.39E-03	2.73E-03	1.64E-03	1.07E-03	1.52E-03	7.48E-04
3635	565245.6	4222433	0.010937	0.014464	5.18E-03	5.80E-03	1.59E-02	5.18E-03	1.44E-03	2.83E-03	1.70E-03	1.11E-03	1.57E-03	7.73E-04
3636	565239	4222421	0.011279	0.014916	5.34E-03	5.98E-03	1.64E-02	5.34E-03	1.48E-03	2.91E-03	1.75E-03	1.15E-03	1.62E-03	7.98E-04
3637	565232.4	4222410	0.011615	0.015361	5.50E-03	6.16E-03	1.68E-02	5.50E-03	1.53E-03	3.00E-03	1.80E-03	1.18E-03	1.67E-03	8.21E-04

3638	565255.8	4222460	0.009614	0.012714	4.55E-03	5.10E-03	1.39E-02	4.55E-03	1.26E-03	2.48E-03	1.49E-03	9.77E-04	1.38E-03	6.80E-04
3639	565246	4222452	0.009557	0.012639	4.53E-03	5.07E-03	1.39E-02	4.53E-03	1.26E-03	2.47E-03	1.48E-03	9.71E-04	1.37E-03	6.76E-04
3640	565239.4	4222440	0.009962	0.013174	4.72E-03	5.28E-03	1.44E-02	4.72E-03	1.31E-03	2.57E-03	1.54E-03	1.01E-03	1.43E-03	7.04E-04
3641	565232.7	4222429	0.010326	0.013656	4.89E-03	5.47E-03	1.50E-02	4.89E-03	1.36E-03	2.67E-03	1.60E-03	1.05E-03	1.49E-03	7.30E-04
3642	565226.1	4222417	0.010669	0.01411	5.05E-03	5.66E-03	1.55E-02	5.05E-03	1.40E-03	2.76E-03	1.65E-03	1.08E-03	1.53E-03	7.55E-04
3643	565256.3	4222469	0.008823	0.011668	4.18E-03	4.68E-03	1.28E-02	4.18E-03	1.16E-03	2.28E-03	1.37E-03	8.97E-04	1.27E-03	6.24E-04
3644	565239.9	4222460	0.008624	0.011405	4.09E-03	4.57E-03	1.25E-02	4.09E-03	1.13E-03	2.23E-03	1.34E-03	8.76E-04	1.24E-03	6.10E-04
3645	565233.2	4222448	0.009063	0.011986	4.29E-03	4.81E-03	1.31E-02	4.29E-03	1.19E-03	2.34E-03	1.40E-03	9.21E-04	1.30E-03	6.41E-04
3646	565226.5	4222436	0.009451	0.012498	4.48E-03	5.01E-03	1.37E-02	4.48E-03	1.24E-03	2.44E-03	1.47E-03	9.60E-04	1.36E-03	6.68E-04
3647	565219.8	4222424	0.009804	0.012966	4.64E-03	5.20E-03	1.42E-02	4.64E-03	1.29E-03	2.53E-03	1.52E-03	9.96E-04	1.41E-03	6.93E-04
3648	565213.1	4222412	0.010124	0.013388	4.80E-03	5.37E-03	1.47E-02	4.80E-03	1.33E-03	2.62E-03	1.57E-03	1.03E-03	1.46E-03	7.16E-04
3649	565257	4222479	0.008033	0.010623	3.81E-03	4.26E-03	1.16E-02	3.81E-03	1.05E-03	2.08E-03	1.25E-03	8.16E-04	1.16E-03	5.68E-04
3650	565243.8	4222475	0.007689	0.010168	3.64E-03	4.08E-03	1.11E-02	3.64E-03	1.01E-03	1.99E-03	1.19E-03	7.81E-04	1.11E-03	5.44E-04
3651	565233.8	4222467	0.007783	0.010292	3.69E-03	4.13E-03	1.13E-02	3.69E-03	1.02E-03	2.01E-03	1.21E-03	7.91E-04	1.12E-03	5.50E-04
3652	565227	4222456	0.00824	0.010898	3.90E-03	4.37E-03	1.19E-02	3.90E-03	1.08E-03	2.13E-03	1.28E-03	8.37E-04	1.19E-03	5.83E-04
3653	565220.3	4222444	0.008646	0.011434	4.10E-03	4.58E-03	1.25E-02	4.10E-03	1.14E-03	2.23E-03	1.34E-03	8.79E-04	1.24E-03	6.11E-04
3654	565213.5	4222432	0.009011	0.011917	4.27E-03	4.78E-03	1.31E-02	4.27E-03	1.18E-03	2.33E-03	1.40E-03	9.16E-04	1.30E-03	6.37E-04
3655	565206.7	4222420	0.009337	0.012348	4.42E-03	4.95E-03	1.35E-02	4.42E-03	1.23E-03	2.41E-03	1.45E-03	9.49E-04	1.34E-03	6.60E-04
3656	565257.7	4222489	0.007264	0.009606	3.44E-03	3.85E-03	1.05E-02	3.44E-03	9.54E-04	1.88E-03	1.13E-03	7.38E-04	1.04E-03	5.14E-04
3657	565244.4	4222485	0.007019	0.009283	3.33E-03	3.72E-03	1.02E-02	3.33E-03	9.22E-04	1.81E-03	1.09E-03	7.13E-04	1.01E-03	4.96E-04
3658	565227.7	4222475	0.007038	0.009308	3.33E-03	3.73E-03	1.02E-02	3.33E-03	9.24E-04	1.82E-03	1.09E-03	7.15E-04	1.01E-03	4.98E-04
3659	565220.9	4222463	0.007497	0.009915	3.55E-03	3.97E-03	1.09E-02	3.55E-03	9.85E-04	1.94E-03	1.16E-03	7.62E-04	1.08E-03	5.30E-04
3660	565214.1	4222451	0.007912	0.010464	3.75E-03	4.20E-03	1.15E-02	3.75E-03	1.04E-03	2.04E-03	1.23E-03	8.04E-04	1.14E-03	5.60E-04
3661	565200.5	4222427	0.008616	0.011394	4.08E-03	4.57E-03	1.25E-02	4.08E-03	1.13E-03	2.23E-03	1.34E-03	8.76E-04	1.24E-03	6.09E-04
3662	565193.7	4222415	0.008905	0.011777	4.22E-03	4.72E-03	1.29E-02	4.22E-03	1.17E-03	2.30E-03	1.38E-03	9.05E-04	1.28E-03	6.30E-04
3663	565258.4	4222498	0.006537	0.008645	3.10E-03	3.47E-03	9.48E-03	3.10E-03	8.58E-04	1.69E-03	1.01E-03	6.64E-04	9.40E-04	4.62E-04
3664	565245.1	4222495	0.006381	0.008439	3.02E-03	3.38E-03	9.25E-03	3.02E-03	8.38E-04	1.65E-03	9.89E-04	6.49E-04	9.18E-04	4.51E-04
3665	565214.8	4222471	0.006832	0.009036	3.24E-03	3.62E-03	9.91E-03	3.24E-03	8.97E-04	1.77E-03	1.06E-03	6.94E-04	9.83E-04	4.83E-04
3666	565207.9	4222459	0.007245	0.009581	3.43E-03	3.84E-03	1.05E-02	3.43E-03	9.51E-04	1.87E-03	1.12E-03	7.36E-04	1.04E-03	5.12E-04
3667	565187.4	4222422	0.008247	0.010907	3.91E-03	4.37E-03	1.20E-02	3.91E-03	1.08E-03	2.13E-03	1.28E-03	8.38E-04	1.19E-03	5.83E-04
3668	565259.2	4222508	0.005854	0.007742	2.77E-03	3.10E-03	8.49E-03	2.77E-03	7.69E-04	1.51E-03	9.08E-04	5.95E-04	8.42E-04	4.14E-04
3669	565245.8	4222504	0.005777	0.007639	2.74E-03	3.06E-03	8.37E-03	2.74E-03	7.59E-04	1.49E-03	8.95E-04	5.87E-04	8.31E-04	4.09E-04
3670	565208.6	4222478	0.006236	0.008247	2.95E-03	3.31E-03	9.04E-03	2.95E-03	8.19E-04	1.61E-03	9.67E-04	6.34E-04	8.97E-04	4.41E-04
3671	565201.7	4222466	0.00664	0.008781	3.15E-03	3.52E-03	9.63E-03	3.15E-03	8.72E-04	1.72E-03	1.03E-03	6.75E-04	9.55E-04	4.70E-04
3672	565181.1	4222430	0.007642	0.010107	3.62E-03	4.05E-03	1.11E-02	3.62E-03	1.00E-03	1.97E-03	1.18E-03	7.77E-04	1.10E-03	5.40E-04
3673	565174.2	4222418	0.007898	0.010445	3.74E-03	4.19E-03	1.15E-02	3.74E-03	1.04E-03	2.04E-03	1.22E-03	8.03E-04	1.14E-03	5.59E-04
3674	565260.1	4222518	0.005227	0.006913	2.48E-03	2.77E-03	7.58E-03	2.48E-03	6.86E-04	1.35E-03	8.10E-04	5.31E-04	7.52E-04	3.70E-04
3675	565246.6	4222514	0.005211	0.006892	2.47E-03	2.76E-03	7.56E-03	2.47E-03	6.84E-04	1.35E-03	8.08E-04	5.30E-04	7.50E-04	3.69E-04
3676	565233.1	4222510	0.005171	0.006839	2.45E-03	2.74E-03	7.50E-03	2.45E-03	6.79E-04	1.34E-03	8.02E-04	5.26E-04	7.44E-04	3.66E-04
3677	565219.6	4222506	0.005109	0.006756	2.42E-03	2.71E-03	7.41E-03	2.42E-03	6.71E-04	1.32E-03	7.92E-04	5.19E-04	7.35E-04	3.61E-04
3678	565209.4	4222498	0.005284	0.006988	2.50E-03	2.80E-03	7.66E-03	2.50E-03	6.94E-04	1.37E-03	8.19E-04	5.37E-04	7.60E-04	3.74E-04
3679	565195.6	4222474	0.006093	0.008057	2.89E-03	3.23E-03	8.83E-03	2.89E-03	8.00E-04	1.57E-03	9.44E-04	6.19E-04	8.76E-04	4.31E-04
3680	565181.8	4222450	0.006787	0.008975	3.22E-03	3.60E-03	9.84E-03	3.22E-03	8.91E-04	1.75E-03	1.05E-03	6.90E-04	9.76E-04	4.80E-04
3681	565174.9	4222437	0.007085	0.00937	3.36E-03	3.76E-03	1.03E-02	3.36E-03	9.30E-04	1.83E-03	1.10E-03	7.20E-04	1.02E-03	5.01E-04
3682	565167.9	4222425	0.007345	0.009713	3.48E-03	3.89E-03	1.06E-02	3.48E-03	9.65E-04	1.90E-03	1.14E-03	7.46E-04	1.06E-03	5.19E-04
3683	565274.5	4222531	0.004608	0.006095	2.18E-03	2.44E-03	6.68E-03	2.18E-03	6.05E-04	1.19E-03	7.14E-04	4.68E-04	6.63E-04	3.26E-04
3684	565261	4222527	0.004665	0.006169	2.21E-03	2.47E-03	6.76E-03	2.21E-03	6.13E-04	1.21E-03	7.23E-04	4.74E-04	6.71E-04	3.30E-04
3685	565247.4	4222524	0.004691	0.006203	2.22E-03	2.49E-03	6.80E-03	2.22E-03	6.16E-04	1.21E-03	7.27E-04	4.77E-04	6.75E-04	3.32E-04
3686	565233.9	4222520	0.004694	0.006208	2.22E-03	2.49E-03	6.81E-03	2.22E-03	6.16E-04	1.21E-03	7.28E-04	4.77E-04	6.75E-04	3.32E-04
3687	565220.3	4222516	0.004671	0.006177	2.21E-03	2.48E-03	6.77E-03	2.21E-03	6.13E-04	1.21E-03	7.24E-04	4.75E-04	6.72E-04	3.30E-04
3688	565203.3	4222506	0.004824	0.00638	2.29E-03	2.56E-03	6.99E-03	2.29E-03	6.34E-04	1.25E-03	7.48E-04	4.90E-04	6.94E-04	3.41E-04
3689	565182.5	4222469	0.005947	0.007864	2.82E-03	3.15E-03	8.62E-03	2.82E-03	7.81E-04	1.54E-03	9.22E-04	6.04E-04	8.55E-04	4.21E-04
3690	565175.6	4222457	0.006275	0.008299	2.97E-03	3.33E-03	9.10E-03	2.97E-03	8.24E-04	1.62E-03	9.73E-04	6.38E-04	9.03E-04	4.44E-04
3691	565168.6	4222445	0.006571	0.00869	3.11E-03	3.48E-03	9.53E-03	3.11E-03	8.63E-04	1.70E-03	1.02E-03	6.68E-04	9.45E-04	4.65E-04
3692	565161.7	4222433	0.006833	0.009037	3.24E-03	3.62E-03	9.91E-03	3.24E-03	8.97E-04	1.77E-03	1.06E-03	6.94E-04	9.83E-04	4.83E-04
3693	565154.7	4222420	0.007057	0.009333	3.34E-03	3.74E-03	1.02E-02	3.34E-03	9.27E-04	1.82E-03	1.09E-03	7.17E-04	1.02E-03	4.99E-04
3694	565275.5	4222541	0.00408	0.005396	1.93E-03	2.16E-03	5.92E-03	1.93E-03	5.36E-04	1.05E-03	6.33E-04	4.15E-04	5.87E-04	2.89E-04
3695	565261.9	4222537	0.004162	0.005504	1.97E-03	2.21E-03	6.03E-03	1.97E-03	5.47E-04	1.08E-03	6.45E-04	4.23E-04	5.99E-04	2.94E-04
3696	565248.3	4222533	0.004217	0.005577	2.00E-03	2.24E-03	6.11E-03	2.00E-03	5.54E-04	1.09E-03	6.54E-04	4.29E-04	6.07E-04	2.98E-04
3697	565234.7	4222529	0.004253	0.005625	2.02E-03	2.26E-03	6.17E-03	2.02E-03	5.59E-04	1.10E-03	6.59E-04	4.32E-04	6.12E-04	3.01E-04
3698	565221.1	4222526	0.004263	0.005637	2.02E-03	2.26E-03	6.18E-03	2.02E-03	5.60E-04	1.10E-03	6.61E-04	4.33E-04	6.13E-04	3.01E-04
3699	565207.5	4222522	0.004245	0.005615	2.01E-03	2.25E-03	6.15E-03	2.01E-03	5.58E-04	1.10E-03	6.58E-04	4.31E-04	6.11E-04	3.00E-04
3700	565183.3	4222489	0.005145	0.006805	2.44E-03	2.73E-03	7.46E-03	2.44E-03	6.76E-04	1.33E-03	7.98E-04	5.23E-04	7.40E-04	3.64E-04
3701	565176.4	4222477	0.005484	0.007252	2.60E-03	2.91E-03	7.95E-03	2.60E-03	7.20E-04	1.42E-03	8.50E-04	5.57E-04	7.89E-04	3.88E-04
3702	565169.4	4222465	0.005804	0.007675	2.75E-03	3.08E-03	8.41E-03	2.75E-03	7.62E-04	1.50E-03	9.00E-04	5.90E-04	8.35E-04	4.10E-04
3703	565162.4	4222452	0.006098	0.008065	2.89E-03	3.23E-03	8.84E-03	2.89E-03	8.01E-04	1.58E-03	9.45E-04	6.20E-04	8.77E-04	4.31E-04
3704	565155.5	4222440	0.006358	0.008408	3.01E-03	3.37E-03	9.22E-03	3.01E-03	8.35E-04	1.64E-03	9.86E-04	6.46E-04	9.15E-04	4.50E-04
3705	565148.5	4222428	0.006588	0.008712	3.12E-03	3.49E-03	9.55E-03	3.12E-03	8.65E-04	1.70E-03	1.02E-03	6.69E-04	9.48E-04	4.66E-04
3706	565276.4	4222551	0.003621	0.004788	1.72E-03	1.92E-03	5.25E-03	1.72E-03	4.75E-04	9.35E-04	5.61E-04	3.68E-04	5.21E-04	2.56E-04
3707	565262.8	4222547	0.003718	0.004917	1.76E-03	1.97E-03	5.39E-03	1.76E-03	4.88E-04	9.61E-04	5.76E-04	3.78E-04	5.35E-04	2.63E-04
3708	565249.2	4222543	0.003791	0.005014	1.80E-03	2.01E-03	5.50E-03	1.80E-03	4.98E-04	9.79E-04	5.88E-04	3.85E-04	5.45E-04	2.68E-04
3709	565235.5	4222539	0.00385	0.005092	1.82E-03	2.04E-03	5.58E-03	1.82E-03	5.06E-04	9.95E-04	5.97E-04	3.91E-04	5.54E-04	2.72E-04
3710	565221.9	4222535	0.003884	0.005137	1.84E-03	2.06E-03	5.63E-03	1.84E-03	5.10E-04	1.00E-03	6.02E-04	3.95E-04	5.59E-04	2.75E-04
3711	565208.3	4222531	0.003893	0.005148	1.84E-03	2.06E-03	5.64E-03	1.84E-03	5.11E-04	1.01E-03	6.03E-04	3.96E-04	5.60E-04	2.75E-04
3712	565177.2	4222497	0.00474	0.006269	2.25E-03	2.51E-03	6.87E-03	2.25E-03	6.23E-04	1.22E-03	7.35E-04	4.82E-04	6.82E-04	3.35E-04
3713	565170.2	4222484	0.005062	0.006694	2.40E-03	2.68E-03	7.34E-03	2.40E-03	6.65E-04	1.31E-03	7.85E-04	5.14E-04	7.28E-04	3.58E-04
3714	565163.2	4222472	0.005371	0.007103	2.54E-03	2.85E-03	7.79E-03	2.54E-03	7.05E-04	1.39E-03	8.33E-04	5.46E-04	7.73E-04	3.80E-04
3715	565156.2	4222460	0.005659	0.007484	2.68E-03	3.00E-03	8.20E-03	2.68E-03	7.43E-04	1.46E-03	8.77E-04	5.75E-04	8.14E-04	4.00E-04
3716	565149.2	4222448	0.005917	0.007826	2.80E-03	3.14E-03	8.58E-03	2.80E-03	7.77E-04	1.53E-03	9.17E-04	6.01E-04	8.51E-04	4.18E-04
3717	565142.3	4222435	0.006149	0.008132	2.91E-03	3.26E-03	8.91E-03	2.91E-03	8.08E-04	1.59E-03	9.53E-04	6.25E-04	8.84E-04	4.35E-04
3718	565135.3	4222423	0.006348	0.008395	3.01E-03	3.37E-03	9.20E-03	3.01E-03	8.34E-04	1.64E-03	9.84E-04	6.45E-04	9.13E-04	4.49E-04
3719	565277.4	4222560	0.003222	0.004261	1.53E-03	1.71E-03	4.67E-03	1.53E-03	4.23E-04	8.32E-04	4.99E-04	3.27E-04	4.63E-04	2.28E-04
3720	565263.8	4222557	0.003326	0.004398	1.58E-03	1.76E-03	4.82E-03	1.58E-03	4.37E-04	8.59E-04	5.16E-04	3.38E-04	4.78E-04	2.35E-04
3721	565250.1	4222553	0.003411	0.004511	1.62E-03	1.81E-03	4.94E-03	1.62E-03	4.48E-04	8.81E-04	5.29E-04	3.47E-04	4.91E-04	2.41E-04
3722	565222.8	4222545	0.003537	0.004678	1.68E-03	1.88E-03	5.13E-03	1.68E-03	4.65E-04	9.14E-04	5.48E-04	3.59E-04	5.09E-04	2.50E-04
3723	565209.1	4222541	0.003565	0.004714	1.69E-03	1.89E-03	5.17E-03	1.69E-03	4.68E-04	9.21E-04	5.53E-04	3.62E-04	5.13E-04	2.52E-04
3724	565178.1	4222517	0.00406	0.005369	1.92E-03	2.15E-03	5.89E-03	1.92E-03	5.33E-04	1.05E-03	6.29E-04	4.13E-04	5.84E-04	2.87E-04
3725	565171.1	4222504	0.004377	0.005788	2.07E-03	2.32E-03	6.35E-03	2.07E-03	5.75E-04	1.13E-03	6.79E-04	4.45E-04	6.30E-04	3.10E-04
3726	565164.1	4222492	0.004682	0.006191	2.22E-03	2.48E-03	6.79E-03	2.22E-03	6.15E-04	1.21E-03	7.26E-04	4.76E-04	6.73E-04	3.31E-04
3727	565157.1	4222480	0.004977	0.006582	2.36E-03	2.64E-03	7.22E-03	2.36E-03	6.54E-04	1.29E-03	7.72E-04	5.06E-04	7.16E-04	3.52E-04
3728	565150.1	4222467	0.005256	0.006951	2.49E-03	2.79E-03	7.62E-03	2.49E-03	6.90E-04	1.36E-03	8.15E-04	5.34E-04	7.56E-04	3.72E-04

3729	565143	4222455	0.005509	0.007286	2.61E-03	2.92E-03	7.99E-03	2.61E-03	7.24E-04	1.42E-03	8.54E-04	5.60E-04	7.93E-04	3.90E-04
3730	565136	4222443	0.00574	0.007591	2.72E-03	3.04E-03	8.32E-03	2.72E-03	7.54E-04	1.48E-03	8.90E-04	5.83E-04	8.26E-04	4.06E-04
3731	565129	4222430	0.005945	0.007862	2.82E-03	3.15E-03	8.62E-03	2.82E-03	7.81E-04	1.54E-03	9.22E-04	6.04E-04	8.55E-04	4.20E-04
3732	565267.5	4222567	0.002963	0.003919	1.40E-03	1.57E-03	4.30E-03	1.40E-03	3.89E-04	7.66E-04	4.59E-04	3.01E-04	4.26E-04	2.10E-04
3733	565254.4	4222563	0.003052	0.004036	1.45E-03	1.62E-03	4.42E-03	1.45E-03	4.01E-04	7.88E-04	4.73E-04	3.10E-04	4.39E-04	2.16E-04
3734	565215.2	4222552	0.003246	0.004293	1.54E-03	1.72E-03	4.71E-03	1.54E-03	4.26E-04	8.39E-04	5.03E-04	3.30E-04	4.67E-04	2.30E-04
3735	565202.1	4222549	0.003279	0.004337	1.55E-03	1.74E-03	4.75E-03	1.55E-03	4.31E-04	8.47E-04	5.08E-04	3.33E-04	4.72E-04	2.32E-04
3736	565179.2	4222537	0.00345	0.004563	1.63E-03	1.83E-03	5.00E-03	1.63E-03	4.53E-04	8.91E-04	5.35E-04	3.51E-04	4.96E-04	2.44E-04
3737	565172.5	4222525	0.003735	0.004939	1.77E-03	1.98E-03	5.41E-03	1.77E-03	4.90E-04	9.65E-04	5.79E-04	3.80E-04	5.37E-04	2.64E-04
3738	565165.7	4222514	0.004018	0.005314	1.90E-03	2.13E-03	5.83E-03	1.90E-03	5.28E-04	1.04E-03	6.23E-04	4.08E-04	5.78E-04	2.84E-04
3739	565159	4222502	0.004294	0.005679	2.03E-03	2.28E-03	6.23E-03	2.03E-03	5.64E-04	1.11E-03	6.66E-04	4.36E-04	6.18E-04	3.04E-04
3740	565152.3	4222490	0.004564	0.006036	2.16E-03	2.42E-03	6.62E-03	2.16E-03	5.99E-04	1.18E-03	7.07E-04	4.64E-04	6.56E-04	3.23E-04
3741	565145.6	4222478	0.004823	0.006379	2.29E-03	2.56E-03	6.99E-03	2.29E-03	6.33E-04	1.25E-03	7.48E-04	4.90E-04	6.94E-04	3.41E-04
3742	565138.9	4222466	0.005065	0.006698	2.40E-03	2.69E-03	7.34E-03	2.40E-03	6.65E-04	1.31E-03	7.85E-04	5.15E-04	7.29E-04	3.58E-04
3743	565132.2	4222454	0.005285	0.006989	2.50E-03	2.80E-03	7.66E-03	2.50E-03	6.94E-04	1.37E-03	8.19E-04	5.37E-04	7.60E-04	3.74E-04
3744	565125.5	4222443	0.005492	0.007263	2.60E-03	2.91E-03	7.96E-03	2.60E-03	7.21E-04	1.42E-03	8.51E-04	5.58E-04	7.90E-04	3.88E-04
3745	565268.4	4222577	0.002667	0.003527	1.26E-03	1.41E-03	3.87E-03	1.26E-03	3.50E-04	6.89E-04	4.13E-04	2.71E-04	3.84E-04	1.89E-04
3746	565255.3	4222573	0.002755	0.003644	1.31E-03	1.46E-03	3.99E-03	1.31E-03	3.62E-04	7.12E-04	4.27E-04	2.80E-04	3.96E-04	1.95E-04
3747	565173.1	4222545	0.003197	0.004228	1.51E-03	1.70E-03	4.64E-03	1.51E-03	4.20E-04	8.26E-04	4.96E-04	3.25E-04	4.60E-04	2.26E-04
3748	565166.3	4222533	0.003463	0.004579	1.64E-03	1.84E-03	5.02E-03	1.64E-03	4.55E-04	8.95E-04	5.37E-04	3.52E-04	4.98E-04	2.45E-04
3749	565159.6	4222521	0.003727	0.004929	1.77E-03	1.98E-03	5.40E-03	1.77E-03	4.89E-04	9.63E-04	5.78E-04	3.79E-04	5.36E-04	2.64E-04
3750	565152.9	4222509	0.003987	0.005272	1.89E-03	2.11E-03	5.78E-03	1.89E-03	5.24E-04	1.03E-03	6.18E-04	4.05E-04	5.73E-04	2.82E-04
3751	565146.1	4222497	0.004244	0.005612	2.01E-03	2.25E-03	6.15E-03	2.01E-03	5.57E-04	1.10E-03	6.58E-04	4.31E-04	6.10E-04	3.00E-04
3752	565139.4	4222486	0.004494	0.005943	2.13E-03	2.38E-03	6.51E-03	2.13E-03	5.90E-04	1.16E-03	6.97E-04	4.57E-04	6.46E-04	3.18E-04
3753	565132.7	4222474	0.004727	0.006251	2.24E-03	2.51E-03	6.85E-03	2.24E-03	6.21E-04	1.22E-03	7.33E-04	4.80E-04	6.80E-04	3.34E-04
3754	565125.9	4222462	0.004944	0.006538	2.34E-03	2.62E-03	7.17E-03	2.34E-03	6.49E-04	1.28E-03	7.66E-04	5.02E-04	7.11E-04	3.50E-04
3755	565105.7	4222426	0.00548	0.007247	2.60E-03	2.91E-03	7.94E-03	2.60E-03	7.20E-04	1.42E-03	8.49E-04	5.57E-04	7.88E-04	3.88E-04
3756	565269.3	4222587	0.002411	0.003188	1.14E-03	1.28E-03	3.49E-03	1.14E-03	3.17E-04	6.23E-04	3.74E-04	2.45E-04	3.47E-04	1.70E-04
3757	565256.1	4222583	0.002495	0.0033	1.18E-03	1.32E-03	3.62E-03	1.18E-03	3.28E-04	6.45E-04	3.87E-04	2.54E-04	3.59E-04	1.76E-04
3758	565242.9	4222579	0.002573	0.003403	1.22E-03	1.36E-03	3.73E-03	1.22E-03	3.38E-04	6.65E-04	3.99E-04	2.61E-04	3.70E-04	1.82E-04
3759	565229.7	4222575	0.002643	0.003495	1.25E-03	1.40E-03	3.83E-03	1.25E-03	3.47E-04	6.83E-04	4.10E-04	2.69E-04	3.80E-04	1.87E-04
3760	565216.5	4222572	0.002706	0.003578	1.28E-03	1.43E-03	3.92E-03	1.28E-03	3.55E-04	6.99E-04	4.19E-04	2.75E-04	3.89E-04	1.91E-04
3761	565167	4222553	0.00297	0.003928	1.41E-03	1.57E-03	4.31E-03	1.41E-03	3.90E-04	7.67E-04	4.60E-04	3.02E-04	4.27E-04	2.10E-04
3762	565160.2	4222541	0.003217	0.004255	1.52E-03	1.71E-03	4.66E-03	1.52E-03	4.23E-04	8.31E-04	4.99E-04	3.27E-04	4.63E-04	2.28E-04
3763	565153.5	4222529	0.003465	0.004582	1.64E-03	1.84E-03	5.02E-03	1.64E-03	4.55E-04	8.95E-04	5.37E-04	3.52E-04	4.98E-04	2.45E-04
3764	565146.7	4222517	0.003707	0.004902	1.76E-03	1.97E-03	5.37E-03	1.76E-03	4.87E-04	9.58E-04	5.75E-04	3.77E-04	5.33E-04	2.62E-04
3765	565139.9	4222505	0.003951	0.005225	1.87E-03	2.09E-03	5.73E-03	1.87E-03	5.19E-04	1.02E-03	6.12E-04	4.01E-04	5.68E-04	2.79E-04
3766	565133.2	4222493	0.00419	0.005541	1.99E-03	2.22E-03	6.07E-03	1.99E-03	5.50E-04	1.08E-03	6.50E-04	4.26E-04	6.03E-04	2.96E-04
3767	565126.4	4222481	0.004418	0.005843	2.09E-03	2.34E-03	6.41E-03	2.09E-03	5.80E-04	1.14E-03	6.85E-04	4.49E-04	6.36E-04	3.12E-04
3768	565106.1	4222445	0.005003	0.006617	2.37E-03	2.65E-03	7.25E-03	2.37E-03	6.57E-04	1.29E-03	7.76E-04	5.08E-04	7.20E-04	3.54E-04
3769	565099.4	4222433	0.005158	0.006822	2.44E-03	2.73E-03	7.48E-03	2.44E-03	6.77E-04	1.33E-03	8.00E-04	5.24E-04	7.42E-04	3.65E-04
3770	565270.2	4222596	0.002188	0.002894	1.04E-03	1.16E-03	3.17E-03	1.04E-03	2.87E-04	5.65E-04	3.39E-04	2.22E-04	3.15E-04	1.55E-04
3771	565256.9	4222593	0.002267	0.002998	1.07E-03	1.20E-03	3.29E-03	1.07E-03	2.98E-04	5.86E-04	3.51E-04	2.30E-04	3.26E-04	1.60E-04
3772	565243.7	4222589	0.002342	0.003097	1.11E-03	1.24E-03	3.40E-03	1.11E-03	3.08E-04	6.05E-04	3.63E-04	2.38E-04	3.37E-04	1.66E-04
3773	565230.5	4222585	0.002411	0.003189	1.14E-03	1.28E-03	3.50E-03	1.14E-03	3.17E-04	6.23E-04	3.74E-04	2.45E-04	3.47E-04	1.71E-04
3774	565217.2	4222581	0.002475	0.003273	1.17E-03	1.31E-03	3.59E-03	1.17E-03	3.25E-04	6.39E-04	3.84E-04	2.52E-04	3.56E-04	1.75E-04
3775	565204	4222578	0.002533	0.003349	1.20E-03	1.34E-03	3.67E-03	1.20E-03	3.33E-04	6.54E-04	3.93E-04	2.57E-04	3.64E-04	1.79E-04
3776	565190.8	4222574	0.002582	0.003414	1.22E-03	1.37E-03	3.74E-03	1.22E-03	3.39E-04	6.67E-04	4.00E-04	2.62E-04	3.71E-04	1.83E-04
3777	565177.5	4222570	0.002622	0.003467	1.24E-03	1.39E-03	3.80E-03	1.24E-03	3.44E-04	6.77E-04	4.06E-04	2.66E-04	3.77E-04	1.85E-04
3778	565154.1	4222548	0.002996	0.003963	1.42E-03	1.59E-03	4.34E-03	1.42E-03	3.93E-04	7.74E-04	4.64E-04	3.04E-04	4.31E-04	2.12E-04
3779	565147.3	4222536	0.003228	0.004269	1.53E-03	1.71E-03	4.68E-03	1.53E-03	4.24E-04	8.34E-04	5.00E-04	3.28E-04	4.64E-04	2.28E-04
3780	565140.5	4222524	0.003456	0.004571	1.64E-03	1.83E-03	5.01E-03	1.64E-03	4.54E-04	8.93E-04	5.36E-04	3.51E-04	4.97E-04	2.44E-04
3781	565133.8	4222512	0.003682	0.004869	1.74E-03	1.95E-03	5.34E-03	1.74E-03	4.84E-04	9.51E-04	5.71E-04	3.74E-04	5.30E-04	2.60E-04
3782	565127	4222501	0.003913	0.005175	1.85E-03	2.07E-03	5.67E-03	1.85E-03	5.14E-04	1.01E-03	6.07E-04	3.98E-04	5.63E-04	2.77E-04
3783	565106.6	4222465	0.004528	0.005989	2.15E-03	2.40E-03	6.57E-03	2.15E-03	5.95E-04	1.17E-03	7.02E-04	4.60E-04	6.51E-04	3.20E-04
3784	565099.8	4222453	0.004702	0.006219	2.23E-03	2.49E-03	6.82E-03	2.23E-03	6.18E-04	1.21E-03	7.29E-04	4.78E-04	6.76E-04	3.33E-04
3785	565093.1	4222441	0.004858	0.006424	2.30E-03	2.58E-03	7.04E-03	2.30E-03	6.38E-04	1.25E-03	7.53E-04	4.94E-04	6.99E-04	3.44E-04
3786	565086.3	4222429	0.004988	0.006597	2.36E-03	2.64E-03	7.23E-03	2.36E-03	6.55E-04	1.29E-03	7.73E-04	5.07E-04	7.18E-04	3.53E-04
3787	565271.1	4222606	0.001995	0.002639	9.45E-04	1.06E-03	2.89E-03	9.45E-04	2.62E-04	5.15E-04	3.09E-04	2.03E-04	2.87E-04	1.41E-04
3788	565257.8	4222602	0.002067	0.002734	9.79E-04	1.10E-03	3.00E-03	9.79E-04	2.71E-04	5.34E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
3789	565244.5	4222598	0.002138	0.002828	1.01E-03	1.13E-03	3.10E-03	1.01E-03	2.81E-04	5.52E-04	3.31E-04	2.17E-04	3.08E-04	1.51E-04
3790	565231.3	4222595	0.002205	0.002916	1.04E-03	1.17E-03	3.20E-03	1.04E-03	2.90E-04	5.70E-04	3.42E-04	2.24E-04	3.17E-04	1.56E-04
3791	565218	4222591	0.002268	0.003	1.07E-03	1.20E-03	3.29E-03	1.07E-03	2.98E-04	5.86E-04	3.52E-04	2.31E-04	3.26E-04	1.60E-04
3792	565204.7	4222587	0.002327	0.003078	1.10E-03	1.23E-03	3.37E-03	1.10E-03	3.06E-04	6.01E-04	3.61E-04	2.37E-04	3.35E-04	1.65E-04
3793	565191.4	4222583	0.002379	0.003147	1.13E-03	1.26E-03	3.45E-03	1.13E-03	3.12E-04	6.15E-04	3.69E-04	2.42E-04	3.42E-04	1.68E-04
3794	565178.1	4222580	0.002423	0.003205	1.15E-03	1.28E-03	3.51E-03	1.15E-03	3.18E-04	6.26E-04	3.76E-04	2.46E-04	3.49E-04	1.71E-04
3795	565164.9	4222576	0.002461	0.003254	1.17E-03	1.30E-03	3.57E-03	1.17E-03	3.23E-04	6.36E-04	3.81E-04	2.50E-04	3.54E-04	1.74E-04
3796	565154.8	4222568	0.002579	0.003411	1.22E-03	1.37E-03	3.74E-03	1.22E-03	3.39E-04	6.66E-04	4.00E-04	2.62E-04	3.71E-04	1.82E-04
3797	565148	4222556	0.002794	0.003696	1.32E-03	1.48E-03	4.05E-03	1.32E-03	3.67E-04	7.22E-04	4.33E-04	2.84E-04	4.02E-04	1.98E-04
3798	565141.2	4222544	0.003014	0.003986	1.43E-03	1.60E-03	4.37E-03	1.43E-03	3.96E-04	7.79E-04	4.67E-04	3.06E-04	4.34E-04	2.13E-04
3799	565134.4	4222532	0.003229	0.004271	1.53E-03	1.71E-03	4.68E-03	1.53E-03	4.24E-04	8.34E-04	5.01E-04	3.28E-04	4.65E-04	2.28E-04
3800	565127.6	4222520	0.003444	0.004554	1.63E-03	1.83E-03	4.99E-03	1.63E-03	4.52E-04	8.90E-04	5.34E-04	3.50E-04	4.95E-04	2.44E-04
3801	565107.2	4222484	0.00407	0.005383	1.93E-03	2.16E-03	5.90E-03	1.93E-03	5.35E-04	1.05E-03	6.31E-04	4.14E-04	5.85E-04	2.88E-04
3802	565100.4	4222472	0.004255	0.005627	2.02E-03	2.26E-03	6.17E-03	2.02E-03	5.59E-04	1.10E-03	6.60E-04	4.32E-04	6.12E-04	3.01E-04
3803	565093.5	4222460	0.004425	0.005852	2.10E-03	2.35E-03	6.41E-03	2.10E-03	5.81E-04	1.14E-03	6.86E-04	4.50E-04	6.36E-04	3.13E-04
3804	565086.7	4222448	0.004578	0.006054	2.17E-03	2.43E-03	6.64E-03	2.17E-03	6.01E-04	1.18E-03	7.10E-04	4.65E-04	6.59E-04	3.24E-04
3805	565079.9	4222436	0.00471	0.006229	2.23E-03	2.50E-03	6.83E-03	2.23E-03	6.19E-04	1.22E-03	7.30E-04	4.79E-04	6.78E-04	3.33E-04
3806	565272	4222616	0.001827	0.002416	8.65E-04	9.68E-04	2.65E-03	8.65E-04	2.40E-04	4.72E-04	2.83E-04	1.86E-04	2.63E-04	1.29E-04
3807	565258.7	4222612	0.001892	0.002502	8.96E-04	1.00E-03	2.74E-03	8.96E-04	2.48E-04	4.89E-04	2.93E-04	1.92E-04	2.72E-04	1.34E-04
3808	565245.4	4222608	0.001958	0.002589	9.27E-04	1.04E-03	2.84E-03	9.27E-04	2.57E-04	5.06E-04	3.03E-04	1.99E-04	2.82E-04	1.38E-04
3809	565232.1	4222604	0.002021	0.002673	9.58E-04	1.07E-03	2.93E-03	9.58E-04	2.65E-04	5.22E-04	3.13E-04	2.05E-04	2.91E-04	1.43E-04
3810	565218.8	4222601	0.002083	0.002754	9.87E-04	1.10E-03	3.02E-03	9.87E-04	2.73E-04	5.38E-04	3.23E-04	2.12E-04	3.00E-04	1.47E-04
3811	565205.4	4222597	0.002142	0.002832	1.01E-03	1.14E-03	3.10E-03	1.01E-03	2.81E-04	5.53E-04	3.32E-04	2.18E-04	3.08E-04	1.51E-04
3812	565192.1	4222593	0.002195	0.002903	1.04E-03	1.16E-03	3.18E-03	1.04E-03	2.88E-04	5.67E-04	3.40E-04	2.23E-04	3.16E-04	1.55E-04
3813	565178.8	4222589	0.00224	0.002963	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.94E-04	5.79E-04	3.47E-04	2.28E-04	3.22E-04	1.58E-04
3814	565165.5	4222586	0.00228	0.003015	1.08E-03	1.21E-03	3.31E-03	1.08E-03	2.99E-04	5.89E-04	3.53E-04	2.32E-04	3.28E-04	1.61E-04
3815	565148.7	4222576	0.00241	0.003187	1.14E-03	1.28E-03	3.49E-03	1.14E-03	3.16E-04	6.23E-04	3.74E-04	2.45E-04	3.47E-04	1.70E-04
3816	565135.1	4222552	0.002817	0.003726	1.33E-03	1.49E-03	4.08E-03	1.33E-03	3.70E-04	7.28E-04	4.37E-04	2.86E-04	4.05E-04	1.99E-04
3817	565128.2	4222540	0.003022	0.003997	1.43E-03	1.60E-03	4.38E-03	1.43E-03	3.97E-04	7.81E-04	4.69E-04	3.07E-04	4.35E-04	2.14E-04
3818	565107.8	4222504	0.003631	0.004803	1.72E-03	1.93E-03	5.26E-03	1.72E-03	4.77E-04	9.38E-04	5.63E-04	3.69E-04	5.22E-04	2.57E-04
3819	565100.9	4222491	0.003822	0.005054	1.81E-03	2.03E-03	5.54E-03	1.81E-03	5.02E-04	9.87E-04	5.92E-04	3.88E-04	5.50E-04	2.70E-04

3820	565094.1	4222479	0.004001	0.005292	1.90E-03	2.12E-03	5.80E-03	1.90E-03	5.25E-04	1.03E-03	6.20E-04	4.07E-04	5.76E-04	2.83E-04
3821	565087.3	4222467	0.004168	0.005512	1.97E-03	2.21E-03	6.04E-03	1.97E-03	5.47E-04	1.08E-03	6.46E-04	4.24E-04	5.99E-04	2.95E-04
3822	565080.4	4222455	0.004318	0.005711	2.05E-03	2.29E-03	6.26E-03	2.05E-03	5.67E-04	1.12E-03	6.69E-04	4.39E-04	6.21E-04	3.05E-04
3823	565073.6	4222443	0.004451	0.005886	2.11E-03	2.36E-03	6.45E-03	2.11E-03	5.85E-04	1.15E-03	6.90E-04	4.52E-04	6.40E-04	3.15E-04
3824	565066.8	4222431	0.004564	0.006036	2.16E-03	2.42E-03	6.62E-03	2.16E-03	5.99E-04	1.18E-03	7.08E-04	4.64E-04	6.57E-04	3.23E-04
3825	565286.4	4222629	0.001623	0.002147	7.69E-04	8.61E-04	2.35E-03	7.69E-04	2.13E-04	4.19E-04	2.52E-04	1.65E-04	2.33E-04	1.15E-04
3826	565273	4222625	0.00168	0.002221	7.96E-04	8.90E-04	2.43E-03	7.96E-04	2.21E-04	4.34E-04	2.60E-04	1.71E-04	2.42E-04	1.19E-04
3827	565259.6	4222622	0.001738	0.002299	8.24E-04	9.22E-04	2.52E-03	8.24E-04	2.28E-04	4.49E-04	2.69E-04	1.77E-04	2.50E-04	1.23E-04
3828	565246.3	4222618	0.001799	0.002379	8.52E-04	9.54E-04	2.61E-03	8.52E-04	2.36E-04	4.65E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
3829	565232.9	4222614	0.001859	0.002458	8.81E-04	9.85E-04	2.69E-03	8.81E-04	2.44E-04	4.80E-04	2.88E-04	1.89E-04	2.67E-04	1.31E-04
3830	565219.6	4222610	0.001917	0.002535	9.08E-04	1.02E-03	2.78E-03	9.08E-04	2.52E-04	4.95E-04	2.97E-04	1.95E-04	2.76E-04	1.36E-04
3831	565206.2	4222607	0.001974	0.00261	9.35E-04	1.05E-03	2.86E-03	9.35E-04	2.59E-04	5.10E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
3832	565192.8	4222603	0.002027	0.00268	9.60E-04	1.07E-03	2.94E-03	9.60E-04	2.66E-04	5.24E-04	3.14E-04	2.06E-04	2.92E-04	1.43E-04
3833	565179.5	4222599	0.002072	0.002741	9.82E-04	1.10E-03	3.00E-03	9.82E-04	2.72E-04	5.35E-04	3.21E-04	2.11E-04	2.98E-04	1.47E-04
3834	565166.1	4222595	0.002114	0.002795	1.00E-03	1.12E-03	3.06E-03	1.00E-03	2.78E-04	5.46E-04	3.28E-04	2.15E-04	3.04E-04	1.49E-04
3835	565152.8	4222591	0.002151	0.002845	1.02E-03	1.14E-03	3.12E-03	1.02E-03	2.83E-04	5.56E-04	3.33E-04	2.19E-04	3.09E-04	1.52E-04
3836	565142.6	4222583	0.002258	0.002986	1.07E-03	1.20E-03	3.27E-03	1.07E-03	2.96E-04	5.83E-04	3.50E-04	2.29E-04	3.25E-04	1.60E-04
3837	565135.8	4222571	0.002442	0.00323	1.16E-03	1.29E-03	3.54E-03	1.16E-03	3.21E-04	6.31E-04	3.79E-04	2.48E-04	3.51E-04	1.73E-04
3838	565101.6	4222511	0.00341	0.00451	1.62E-03	1.81E-03	4.94E-03	1.62E-03	4.48E-04	8.81E-04	5.29E-04	3.47E-04	4.91E-04	2.41E-04
3839	565094.7	4222499	0.003591	0.00475	1.70E-03	1.90E-03	5.21E-03	1.70E-03	4.72E-04	9.28E-04	5.57E-04	3.65E-04	5.17E-04	2.54E-04
3840	565087.9	4222487	0.003766	0.00498	1.78E-03	2.00E-03	5.46E-03	1.78E-03	4.95E-04	9.73E-04	5.84E-04	3.83E-04	5.42E-04	2.66E-04
3841	565081	4222475	0.003928	0.005195	1.86E-03	2.08E-03	5.69E-03	1.86E-03	5.16E-04	1.01E-03	6.09E-04	3.99E-04	5.65E-04	2.78E-04
3842	565074.2	4222463	0.004077	0.005391	1.93E-03	2.16E-03	5.91E-03	1.93E-03	5.35E-04	1.05E-03	6.32E-04	4.14E-04	5.86E-04	2.88E-04
3843	565067.3	4222451	0.00421	0.005567	1.99E-03	2.23E-03	6.10E-03	1.99E-03	5.53E-04	1.09E-03	6.53E-04	4.28E-04	6.06E-04	2.98E-04
3844	565060.5	4222439	0.004325	0.00572	2.05E-03	2.29E-03	6.27E-03	2.05E-03	5.68E-04	1.12E-03	6.70E-04	4.40E-04	6.22E-04	3.06E-04
3845	565287.3	4222639	0.001501	0.001985	7.11E-04	7.96E-04	2.18E-03	7.11E-04	1.97E-04	3.88E-04	2.33E-04	1.53E-04	2.16E-04	1.06E-04
3846	565274	4222635	0.00155	0.00205	7.35E-04	8.22E-04	2.25E-03	7.35E-04	2.04E-04	4.01E-04	2.40E-04	1.58E-04	2.23E-04	1.10E-04
3847	565260.6	4222631	0.001603	0.00212	7.59E-04	8.50E-04	2.32E-03	7.59E-04	2.11E-04	4.14E-04	2.48E-04	1.63E-04	2.31E-04	1.13E-04
3848	565247.2	4222628	0.001658	0.002193	7.85E-04	8.79E-04	2.40E-03	7.85E-04	2.18E-04	4.28E-04	2.57E-04	1.68E-04	2.38E-04	1.17E-04
3849	565233.8	4222624	0.001714	0.002267	8.12E-04	9.09E-04	2.49E-03	8.12E-04	2.25E-04	4.43E-04	2.66E-04	1.74E-04	2.47E-04	1.21E-04
3850	565220.4	4222620	0.001769	0.00234	8.38E-04	9.38E-04	2.57E-03	8.38E-04	2.32E-04	4.57E-04	2.74E-04	1.80E-04	2.55E-04	1.25E-04
3851	565207	4222616	0.001823	0.002411	8.64E-04	9.66E-04	2.64E-03	8.64E-04	2.39E-04	4.71E-04	2.83E-04	1.85E-04	2.62E-04	1.29E-04
3852	565193.6	4222612	0.001874	0.002478	8.88E-04	9.94E-04	2.72E-03	8.88E-04	2.46E-04	4.84E-04	2.91E-04	1.90E-04	2.70E-04	1.33E-04
3853	565180.2	4222609	0.00192	0.002539	9.09E-04	1.02E-03	2.78E-03	9.09E-04	2.52E-04	4.96E-04	2.98E-04	1.95E-04	2.76E-04	1.36E-04
3854	565166.8	4222605	0.00196	0.002593	9.29E-04	1.04E-03	2.84E-03	9.29E-04	2.57E-04	5.06E-04	3.04E-04	1.99E-04	2.82E-04	1.39E-04
3855	565153.4	4222601	0.002001	0.002647	9.48E-04	1.06E-03	2.90E-03	9.48E-04	2.63E-04	5.17E-04	3.10E-04	2.03E-04	2.88E-04	1.42E-04
3856	565136.6	4222591	0.00212	0.002804	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.48E-04	3.29E-04	2.15E-04	3.05E-04	1.50E-04
3857	565129.7	4222579	0.002291	0.00303	1.09E-03	1.21E-03	3.32E-03	1.09E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.30E-04	1.62E-04
3858	565102.2	4222531	0.003022	0.003997	1.43E-03	1.60E-03	4.38E-03	1.43E-03	3.97E-04	7.81E-04	4.69E-04	3.07E-04	4.35E-04	2.14E-04
3859	565095.4	4222519	0.003203	0.004236	1.52E-03	1.70E-03	4.64E-03	1.52E-03	4.21E-04	8.28E-04	4.97E-04	3.26E-04	4.61E-04	2.27E-04
3860	565088.5	4222506	0.003377	0.004467	1.60E-03	1.79E-03	4.90E-03	1.60E-03	4.44E-04	8.73E-04	5.24E-04	3.43E-04	4.86E-04	2.39E-04
3861	565081.6	4222494	0.003546	0.004689	1.68E-03	1.88E-03	5.14E-03	1.68E-03	4.66E-04	9.16E-04	5.50E-04	3.60E-04	5.10E-04	2.51E-04
3862	565074.8	4222482	0.003705	0.0049	1.76E-03	1.96E-03	5.37E-03	1.76E-03	4.87E-04	9.57E-04	5.74E-04	3.77E-04	5.33E-04	2.62E-04
3863	565067.9	4222470	0.003851	0.005093	1.82E-03	2.04E-03	5.58E-03	1.82E-03	5.06E-04	9.95E-04	5.97E-04	3.91E-04	5.54E-04	2.72E-04
3864	565061	4222458	0.003983	0.005268	1.89E-03	2.11E-03	5.77E-03	1.89E-03	5.23E-04	1.03E-03	6.17E-04	4.05E-04	5.73E-04	2.82E-04
3865	565054.2	4222446	0.0041	0.005422	1.94E-03	2.17E-03	5.94E-03	1.94E-03	5.38E-04	1.06E-03	6.36E-04	4.17E-04	5.90E-04	2.90E-04
3866	565047.3	4222434	0.004199	0.005553	1.99E-03	2.23E-03	6.09E-03	1.99E-03	5.51E-04	1.08E-03	6.51E-04	4.27E-04	6.04E-04	2.97E-04
3867	565288.4	4222649	0.001393	0.001842	6.60E-04	7.39E-04	2.02E-03	6.60E-04	1.83E-04	3.60E-04	2.16E-04	1.42E-04	2.00E-04	9.85E-05
3868	565274.9	4222645	0.001437	0.0019	6.81E-04	7.62E-04	2.08E-03	6.81E-04	1.89E-04	3.71E-04	2.23E-04	1.46E-04	2.07E-04	1.02E-04
3869	565261.5	4222641	0.001483	0.001962	7.03E-04	7.86E-04	2.15E-03	7.03E-04	1.95E-04	3.83E-04	2.30E-04	1.51E-04	2.13E-04	1.05E-04
3870	565234.6	4222633	0.001585	0.002096	7.51E-04	8.40E-04	2.30E-03	7.51E-04	2.08E-04	4.10E-04	2.46E-04	1.61E-04	2.28E-04	1.12E-04
3871	565221.2	4222630	0.001637	0.002165	7.75E-04	8.68E-04	2.37E-03	7.75E-04	2.15E-04	4.23E-04	2.54E-04	1.66E-04	2.35E-04	1.16E-04
3872	565207.8	4222626	0.001687	0.002231	7.99E-04	8.94E-04	2.45E-03	7.99E-04	2.22E-04	4.36E-04	2.61E-04	1.71E-04	2.43E-04	1.19E-04
3873	565194.4	4222622	0.001735	0.002295	8.22E-04	9.20E-04	2.52E-03	8.22E-04	2.28E-04	4.48E-04	2.69E-04	1.76E-04	2.50E-04	1.23E-04
3874	565180.9	4222618	0.001781	0.002356	8.44E-04	9.44E-04	2.58E-03	8.44E-04	2.34E-04	4.60E-04	2.76E-04	1.81E-04	2.56E-04	1.26E-04
3875	565167.5	4222615	0.001823	0.002411	8.64E-04	9.66E-04	2.64E-03	8.64E-04	2.39E-04	4.71E-04	2.83E-04	1.85E-04	2.62E-04	1.29E-04
3876	565154.1	4222611	0.001863	0.002464	8.83E-04	9.88E-04	2.70E-03	8.83E-04	2.45E-04	4.81E-04	2.89E-04	1.89E-04	2.68E-04	1.32E-04
3877	565140.6	4222607	0.001901	0.002515	9.01E-04	1.01E-03	2.76E-03	9.01E-04	2.50E-04	4.91E-04	2.95E-04	1.93E-04	2.74E-04	1.34E-04
3878	565130.5	4222599	0.001996	0.00264	9.46E-04	1.06E-03	2.89E-03	9.46E-04	2.62E-04	5.16E-04	3.09E-04	2.03E-04	2.87E-04	1.41E-04
3879	565123.6	4222587	0.002156	0.002851	1.02E-03	1.14E-03	3.13E-03	1.02E-03	2.83E-04	5.57E-04	3.34E-04	2.19E-04	3.10E-04	1.52E-04
3880	565116.7	4222575	0.002321	0.00307	1.10E-03	1.23E-03	3.36E-03	1.10E-03	3.05E-04	6.00E-04	3.60E-04	2.36E-04	3.34E-04	1.64E-04
3881	565102.9	4222550	0.002665	0.003525	1.26E-03	1.41E-03	3.86E-03	1.26E-03	3.50E-04	6.89E-04	4.13E-04	2.71E-04	3.83E-04	1.88E-04
3882	565096.1	4222538	0.00284	0.003756	1.35E-03	1.51E-03	4.12E-03	1.35E-03	3.73E-04	7.34E-04	4.40E-04	2.89E-04	4.09E-04	2.01E-04
3883	565089.2	4222526	0.003012	0.003983	1.43E-03	1.60E-03	4.37E-03	1.43E-03	3.96E-04	7.78E-04	4.67E-04	3.06E-04	4.33E-04	2.13E-04
3884	565082.3	4222514	0.003178	0.004203	1.51E-03	1.69E-03	4.61E-03	1.51E-03	4.17E-04	8.21E-04	4.93E-04	3.23E-04	4.57E-04	2.25E-04
3885	565075.4	4222502	0.003341	0.004418	1.58E-03	1.77E-03	4.84E-03	1.58E-03	4.39E-04	8.63E-04	5.18E-04	3.39E-04	4.81E-04	2.36E-04
3886	565068.5	4222490	0.003497	0.004625	1.66E-03	1.85E-03	5.07E-03	1.66E-03	4.59E-04	9.03E-04	5.42E-04	3.55E-04	5.03E-04	2.47E-04
3887	565061.7	4222478	0.003641	0.004815	1.72E-03	1.93E-03	5.28E-03	1.72E-03	4.78E-04	9.41E-04	5.64E-04	3.70E-04	5.24E-04	2.57E-04
3888	565054.8	4222465	0.003771	0.004987	1.79E-03	2.00E-03	5.47E-03	1.79E-03	4.95E-04	9.74E-04	5.85E-04	3.83E-04	5.42E-04	2.67E-04
3889	565047.9	4222453	0.003887	0.005141	1.84E-03	2.06E-03	5.64E-03	1.84E-03	5.11E-04	1.00E-03	6.03E-04	3.95E-04	5.59E-04	2.75E-04
3890	565041	4222441	0.003988	0.005274	1.89E-03	2.11E-03	5.78E-03	1.89E-03	5.24E-04	1.03E-03	6.18E-04	4.05E-04	5.74E-04	2.82E-04
3891	565289.4	4222658	0.001298	0.001716	6.15E-04	6.88E-04	1.88E-03	6.15E-04	1.70E-04	3.35E-04	2.01E-04	1.32E-04	1.87E-04	9.18E-05
3892	565275.9	4222655	0.001336	0.001767	6.33E-04	7.08E-04	1.94E-03	6.33E-04	1.75E-04	3.45E-04	2.07E-04	1.36E-04	1.92E-04	9.45E-05
3893	565262.4	4222651	0.001378	0.001822	6.53E-04	7.30E-04	2.00E-03	6.53E-04	1.81E-04	3.56E-04	2.14E-04	1.40E-04	1.98E-04	9.74E-05
3894	565235.5	4222643	0.00147	0.001943	6.96E-04	7.79E-04	2.13E-03	6.96E-04	1.93E-04	3.80E-04	2.28E-04	1.49E-04	2.11E-04	1.04E-04
3895	565222.1	4222639	0.001518	0.002007	7.19E-04	8.05E-04	2.20E-03	7.19E-04	1.99E-04	3.92E-04	2.35E-04	1.54E-04	2.18E-04	1.07E-04
3896	565208.6	4222636	0.001564	0.002069	7.41E-04	8.29E-04	2.27E-03	7.41E-04	2.05E-04	4.04E-04	2.43E-04	1.59E-04	2.25E-04	1.11E-04
3897	565195.1	4222632	0.00161	0.002129	7.63E-04	8.54E-04	2.33E-03	7.63E-04	2.11E-04	4.16E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
3898	565181.7	4222628	0.001655	0.002189	7.84E-04	8.77E-04	2.40E-03	7.84E-04	2.17E-04	4.28E-04	2.57E-04	1.68E-04	2.38E-04	1.17E-04
3899	565168.2	4222624	0.001697	0.002245	8.04E-04	9.00E-04	2.46E-03	8.04E-04	2.23E-04	4.38E-04	2.63E-04	1.72E-04	2.44E-04	1.20E-04
3900	565154.8	4222620	0.001737	0.002297	8.23E-04	9.21E-04	2.52E-03	8.23E-04	2.28E-04	4.49E-04	2.69E-04	1.77E-04	2.50E-04	1.23E-04
3901	565141.3	4222617	0.001775	0.002348	8.41E-04	9.41E-04	2.57E-03	8.41E-04	2.33E-04	4.59E-04	2.75E-04	1.80E-04	2.55E-04	1.26E-04
3902	565124.4	4222607	0.001882	0.002489	8.92E-04	9.98E-04	2.73E-03	8.92E-04	2.47E-04	4.86E-04	2.92E-04	1.91E-04	2.71E-04	1.33E-04
3903	565117.5	4222595	0.002032	0.002687	9.63E-04	1.08E-03	2.95E-03	9.63E-04	2.67E-04	5.25E-04	3.15E-04	2.06E-04	2.92E-04	1.44E-04
3904	565110.6	4222582	0.002186	0.002891	1.04E-03	1.16E-03	3.17E-03	1.04E-03	2.87E-04	5.65E-04	3.39E-04	2.22E-04	3.14E-04	1.55E-04
3905	565103.7	4222570	0.002346	0.003103	1.11E-03	1.24E-03	3.40E-03	1.11E-03	3.08E-04	6.06E-04	3.64E-04	2.38E-04	3.37E-04	1.66E-04
3906	565089.9	4222546	0.002673	0.003535	1.27E-03	1.42E-03	3.88E-03	1.27E-03	3.51E-04	6.91E-04	4.14E-04	2.72E-04	3.85E-04	1.89E-04
3907	565083	4222534	0.002836	0.003751	1.34E-03	1.50E-03	4.11E-03	1.34E-03	3.73E-04	7.33E-04	4.40E-04	2.88E-04	4.08E-04	2.01E-04
3908	565076.1	4222522	0.002995	0.003961	1.42E-03	1.59E-03	4.34E-03	1.42E-03	3.93E-04	7.74E-04	4.64E-04	3.04E-04	4.31E-04	2.12E-04
3909	565069.2	4222509	0.00315	0.004166	1.49E-03	1.67E-03	4.57E-03	1.49E-03	4.14E-04	8.14E-04	4.88E-04	3.20E-04	4.53E-04	2.23E-04
3910	565062.3	4222497	0.003302	0.004367	1.56E-03	1.75E-03	4.79E-03	1.56E-03	4.34E-04	8.53E-04	5.12E-04	3.36E-04	4.75E-04	2.33E-04

3911	565055.4	4222485	0.003444	0.004554	1.63E-03	1.83E-03	4.99E-03	1.63E-03	4.52E-04	8.90E-04	5.34E-04	3.50E-04	4.95E-04	2.44E-04
3912	565048.5	4222473	0.003572	0.004724	1.69E-03	1.89E-03	5.18E-03	1.69E-03	4.69E-04	9.23E-04	5.54E-04	3.63E-04	5.14E-04	2.53E-04
3913	565041.6	4222461	0.003687	0.004876	1.75E-03	1.95E-03	5.35E-03	1.75E-03	4.84E-04	9.53E-04	5.72E-04	3.75E-04	5.30E-04	2.61E-04
3914	565034.7	4222448	0.003787	0.005008	1.79E-03	2.01E-03	5.49E-03	1.79E-03	4.97E-04	9.78E-04	5.87E-04	3.85E-04	5.45E-04	2.68E-04
3915	565027.8	4222436	0.003872	0.005121	1.83E-03	2.05E-03	5.61E-03	1.83E-03	5.08E-04	1.00E-03	6.00E-04	3.93E-04	5.57E-04	2.74E-04
3916	565290.4	4222668	0.001213	0.001604	5.75E-04	6.43E-04	1.76E-03	5.75E-04	1.59E-04	3.13E-04	1.88E-04	1.23E-04	1.74E-04	8.58E-05
3917	565276.9	4222664	0.001247	0.001649	5.91E-04	6.61E-04	1.81E-03	5.91E-04	1.64E-04	3.22E-04	1.93E-04	1.27E-04	1.79E-04	8.82E-05
3918	565263.4	4222661	0.001284	0.001697	6.08E-04	6.81E-04	1.86E-03	6.08E-04	1.69E-04	3.32E-04	1.99E-04	1.30E-04	1.85E-04	9.08E-05
3919	565249.9	4222657	0.001323	0.00175	6.27E-04	7.02E-04	1.92E-03	6.27E-04	1.74E-04	3.42E-04	2.05E-04	1.34E-04	1.90E-04	9.36E-05
3920	565222.9	4222649	0.00141	0.001865	6.68E-04	7.48E-04	2.04E-03	6.68E-04	1.85E-04	3.64E-04	2.19E-04	1.43E-04	2.03E-04	9.97E-05
3921	565209.5	4222645	0.001454	0.001922	6.89E-04	7.71E-04	2.11E-03	6.89E-04	1.91E-04	3.76E-04	2.25E-04	1.48E-04	2.09E-04	1.03E-04
3922	565196	4222641	0.001497	0.001979	7.09E-04	7.93E-04	2.17E-03	7.09E-04	1.97E-04	3.87E-04	2.32E-04	1.52E-04	2.15E-04	1.06E-04
3923	565182.5	4222638	0.00154	0.002037	7.30E-04	8.16E-04	2.23E-03	7.30E-04	2.02E-04	3.98E-04	2.39E-04	1.56E-04	2.22E-04	1.09E-04
3924	565169	4222634	0.001582	0.002092	7.49E-04	8.39E-04	2.29E-03	7.49E-04	2.08E-04	4.09E-04	2.45E-04	1.61E-04	2.28E-04	1.12E-04
3925	565155.5	4222630	0.001621	0.002144	7.68E-04	8.59E-04	2.35E-03	7.68E-04	2.13E-04	4.19E-04	2.51E-04	1.65E-04	2.33E-04	1.15E-04
3926	565142	4222626	0.001658	0.002193	7.86E-04	8.79E-04	2.40E-03	7.86E-04	2.18E-04	4.28E-04	2.57E-04	1.69E-04	2.39E-04	1.17E-04
3927	565128.5	4222622	0.001693	0.002239	8.02E-04	8.98E-04	2.45E-03	8.02E-04	2.22E-04	4.37E-04	2.62E-04	1.72E-04	2.44E-04	1.20E-04
3928	565118.3	4222614	0.001777	0.00235	8.42E-04	9.42E-04	2.58E-03	8.42E-04	2.33E-04	4.59E-04	2.75E-04	1.81E-04	2.56E-04	1.26E-04
3929	565111.4	4222602	0.001918	0.002536	9.09E-04	1.02E-03	2.78E-03	9.09E-04	2.52E-04	4.95E-04	2.97E-04	1.95E-04	2.76E-04	1.36E-04
3930	565104.5	4222590	0.002063	0.002728	9.77E-04	1.09E-03	2.99E-03	9.77E-04	2.71E-04	5.33E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
3931	565097.6	4222578	0.002213	0.002927	1.05E-03	1.17E-03	3.21E-03	1.05E-03	2.91E-04	5.72E-04	3.43E-04	2.25E-04	3.18E-04	1.57E-04
3932	565083.8	4222553	0.002522	0.003336	1.19E-03	1.34E-03	3.66E-03	1.19E-03	3.31E-04	6.52E-04	3.91E-04	2.56E-04	3.63E-04	1.78E-04
3933	565076.8	4222541	0.002675	0.003538	1.27E-03	1.42E-03	3.88E-03	1.27E-03	3.51E-04	6.91E-04	4.15E-04	2.72E-04	3.85E-04	1.89E-04
3934	565069.9	4222529	0.002827	0.003738	1.34E-03	1.50E-03	4.10E-03	1.34E-03	3.71E-04	7.30E-04	4.38E-04	2.87E-04	4.07E-04	2.00E-04
3935	565063	4222517	0.002974	0.003934	1.41E-03	1.58E-03	4.31E-03	1.41E-03	3.91E-04	7.68E-04	4.61E-04	3.02E-04	4.28E-04	2.10E-04
3936	565056.1	4222505	0.00312	0.004126	1.48E-03	1.65E-03	4.52E-03	1.48E-03	4.10E-04	8.06E-04	4.84E-04	3.17E-04	4.49E-04	2.21E-04
3937	565049.2	4222492	0.003258	0.004309	1.54E-03	1.73E-03	4.72E-03	1.54E-03	4.28E-04	8.42E-04	5.05E-04	3.31E-04	4.69E-04	2.30E-04
3938	565042.3	4222480	0.003385	0.004477	1.60E-03	1.79E-03	4.91E-03	1.60E-03	4.45E-04	8.74E-04	5.25E-04	3.44E-04	4.87E-04	2.39E-04
3939	565291.4	4222678	0.001137	0.001504	5.39E-04	6.03E-04	1.65E-03	5.39E-04	1.49E-04	2.94E-04	1.76E-04	1.16E-04	1.64E-04	8.04E-05
3940	565277.9	4222674	0.001167	0.001543	5.53E-04	6.19E-04	1.69E-03	5.53E-04	1.53E-04	3.01E-04	1.81E-04	1.19E-04	1.68E-04	8.25E-05
3941	565264.4	4222670	0.0012	0.001587	5.68E-04	6.36E-04	1.74E-03	5.68E-04	1.58E-04	3.10E-04	1.86E-04	1.22E-04	1.73E-04	8.48E-05
3942	565250.9	4222666	0.001235	0.001633	5.85E-04	6.55E-04	1.79E-03	5.85E-04	1.62E-04	3.19E-04	1.91E-04	1.26E-04	1.78E-04	8.73E-05
3943	565142.7	4222636	0.00155	0.00205	7.34E-04	8.22E-04	2.25E-03	7.34E-04	2.04E-04	4.01E-04	2.40E-04	1.58E-04	2.23E-04	1.10E-04
3944	565129.2	4222632	0.001585	0.002096	7.51E-04	8.40E-04	2.30E-03	7.51E-04	2.08E-04	4.09E-04	2.46E-04	1.61E-04	2.28E-04	1.12E-04
3945	565112.2	4222622	0.001681	0.002223	7.96E-04	8.91E-04	2.44E-03	7.96E-04	2.21E-04	4.34E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
3946	565105.3	4222610	0.001813	0.002397	8.59E-04	9.61E-04	2.63E-03	8.59E-04	2.38E-04	4.68E-04	2.81E-04	1.84E-04	2.61E-04	1.28E-04
3947	565098.4	4222598	0.00195	0.002578	9.24E-04	1.03E-03	2.83E-03	9.24E-04	2.56E-04	5.04E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
3948	565091.5	4222585	0.002092	0.002766	9.91E-04	1.11E-03	3.03E-03	9.91E-04	2.75E-04	5.40E-04	3.24E-04	2.13E-04	3.01E-04	1.48E-04
3949	565084.5	4222573	0.002237	0.002959	1.06E-03	1.19E-03	3.24E-03	1.06E-03	2.94E-04	5.78E-04	3.47E-04	2.27E-04	3.22E-04	1.58E-04
3950	565070.7	4222549	0.002527	0.003343	1.20E-03	1.34E-03	3.66E-03	1.20E-03	3.32E-04	6.53E-04	3.92E-04	2.57E-04	3.64E-04	1.79E-04
3951	565063.7	4222537	0.002672	0.003533	1.27E-03	1.42E-03	3.87E-03	1.27E-03	3.51E-04	6.90E-04	4.14E-04	2.72E-04	3.84E-04	1.89E-04
3952	565056.8	4222524	0.002813	0.00372	1.33E-03	1.49E-03	4.08E-03	1.33E-03	3.69E-04	7.27E-04	4.36E-04	2.86E-04	4.05E-04	1.99E-04
3953	565049.9	4222512	0.002951	0.003903	1.40E-03	1.56E-03	4.28E-03	1.40E-03	3.88E-04	7.62E-04	4.57E-04	3.00E-04	4.24E-04	2.09E-04
3954	565293.5	4222698	0.001006	0.001331	4.77E-04	5.34E-04	1.46E-03	4.77E-04	1.32E-04	2.60E-04	1.56E-04	1.02E-04	1.45E-04	7.12E-05
3955	565279.9	4222694	0.00103	0.001362	4.88E-04	5.46E-04	1.49E-03	4.88E-04	1.35E-04	2.66E-04	1.60E-04	1.05E-04	1.48E-04	7.28E-05
3956	565266.3	4222690	0.001055	0.001396	5.00E-04	5.59E-04	1.53E-03	5.00E-04	1.39E-04	2.73E-04	1.64E-04	1.07E-04	1.52E-04	7.46E-05
3957	565252.7	4222686	0.001083	0.001433	5.13E-04	5.74E-04	1.57E-03	5.13E-04	1.42E-04	2.80E-04	1.68E-04	1.10E-04	1.56E-04	7.66E-05
3958	565225.6	4222679	0.001147	0.001517	5.43E-04	6.08E-04	1.66E-03	5.43E-04	1.51E-04	2.96E-04	1.78E-04	1.17E-04	1.65E-04	8.11E-05
3959	565212	4222675	0.001181	0.001562	5.59E-04	6.26E-04	1.71E-03	5.59E-04	1.55E-04	3.05E-04	1.83E-04	1.20E-04	1.70E-04	8.35E-05
3960	565198.4	4222671	0.001215	0.001607	5.76E-04	6.44E-04	1.76E-03	5.76E-04	1.60E-04	3.14E-04	1.88E-04	1.23E-04	1.75E-04	8.59E-05
3961	565184.8	4222667	0.00125	0.001653	5.92E-04	6.63E-04	1.81E-03	5.92E-04	1.64E-04	3.23E-04	1.94E-04	1.27E-04	1.80E-04	8.84E-05
3962	565171.3	4222663	0.001286	0.001701	6.09E-04	6.82E-04	1.86E-03	6.09E-04	1.69E-04	3.32E-04	1.99E-04	1.31E-04	1.85E-04	9.10E-05
3963	565157.7	4222659	0.001322	0.001748	6.26E-04	7.01E-04	1.92E-03	6.26E-04	1.74E-04	3.42E-04	2.05E-04	1.34E-04	1.90E-04	9.35E-05
3964	565144.1	4222655	0.001357	0.001795	6.43E-04	7.20E-04	1.97E-03	6.43E-04	1.78E-04	3.51E-04	2.10E-04	1.38E-04	1.95E-04	9.60E-05
3965	565130.5	4222652	0.001391	0.001839	6.59E-04	7.37E-04	2.02E-03	6.59E-04	1.83E-04	3.59E-04	2.16E-04	1.41E-04	2.00E-04	9.84E-05
3966	565099.9	4222638	0.001508	0.001994	7.14E-04	8.00E-04	2.19E-03	7.14E-04	1.98E-04	3.90E-04	2.34E-04	1.53E-04	2.17E-04	1.07E-04
3967	565092.9	4222626	0.001624	0.002147	7.69E-04	8.61E-04	2.35E-03	7.69E-04	2.13E-04	4.19E-04	2.52E-04	1.65E-04	2.34E-04	1.15E-04
3968	565086	4222613	0.001745	0.002307	8.26E-04	9.25E-04	2.53E-03	8.26E-04	2.29E-04	4.51E-04	2.70E-04	1.77E-04	2.51E-04	1.23E-04
3969	565079	4222601	0.00187	0.002473	8.86E-04	9.92E-04	2.71E-03	8.86E-04	2.46E-04	4.83E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
3970	565072	4222589	0.002	0.002646	9.48E-04	1.06E-03	2.90E-03	9.48E-04	2.63E-04	5.17E-04	3.10E-04	2.03E-04	2.88E-04	1.41E-04
3971	565065.1	4222576	0.002132	0.00282	1.01E-03	1.13E-03	3.09E-03	1.01E-03	2.80E-04	5.51E-04	3.31E-04	2.17E-04	3.07E-04	1.51E-04
3972	565051.2	4222552	0.002392	0.003163	1.13E-03	1.27E-03	3.47E-03	1.13E-03	3.14E-04	6.18E-04	3.71E-04	2.43E-04	3.44E-04	1.69E-04
3973	565030.3	4222515	0.002767	0.00366	1.31E-03	1.47E-03	4.01E-03	1.31E-03	3.63E-04	7.15E-04	4.29E-04	2.81E-04	3.98E-04	1.96E-04
3974	565023.3	4222503	0.002884	0.003814	1.37E-03	1.53E-03	4.18E-03	1.37E-03	3.79E-04	7.45E-04	4.47E-04	2.93E-04	4.15E-04	2.04E-04
3975	565016.4	4222491	0.002992	0.003956	1.42E-03	1.59E-03	4.34E-03	1.42E-03	3.93E-04	7.73E-04	4.64E-04	3.04E-04	4.30E-04	2.12E-04
3976	565009.4	4222478	0.003091	0.004087	1.46E-03	1.64E-03	4.48E-03	1.46E-03	4.06E-04	7.98E-04	4.79E-04	3.14E-04	4.45E-04	2.19E-04
3977	565002.4	4222466	0.003181	0.004206	1.51E-03	1.69E-03	4.61E-03	1.51E-03	4.18E-04	8.22E-04	4.93E-04	3.23E-04	4.58E-04	2.25E-04
3978	565295.5	4222718	0.000899	0.001189	4.26E-04	4.77E-04	1.30E-03	4.26E-04	1.18E-04	2.32E-04	1.39E-04	9.14E-05	1.29E-04	6.36E-05
3979	565281.9	4222714	0.000917	0.001213	4.34E-04	4.86E-04	1.33E-03	4.34E-04	1.20E-04	2.37E-04	1.42E-04	9.32E-05	1.32E-04	6.48E-05
3980	565268.3	4222710	0.000938	0.00124	4.44E-04	4.97E-04	1.36E-03	4.44E-04	1.23E-04	2.42E-04	1.45E-04	9.53E-05	1.35E-04	6.63E-05
3981	565241	4222702	0.000985	0.001303	4.67E-04	5.22E-04	1.43E-03	4.67E-04	1.29E-04	2.55E-04	1.53E-04	1.00E-04	1.42E-04	6.97E-05
3982	565227.4	4222698	0.001012	0.001338	4.79E-04	5.37E-04	1.47E-03	4.79E-04	1.33E-04	2.61E-04	1.57E-04	1.03E-04	1.46E-04	7.16E-05
3983	565213.7	4222694	0.00104	0.001376	4.93E-04	5.52E-04	1.51E-03	4.93E-04	1.37E-04	2.69E-04	1.61E-04	1.06E-04	1.50E-04	7.36E-05
3984	565200.1	4222691	0.00107	0.001415	5.07E-04	5.67E-04	1.55E-03	5.07E-04	1.40E-04	2.76E-04	1.66E-04	1.09E-04	1.54E-04	7.56E-05
3985	565186.5	4222687	0.0011	0.001455	5.21E-04	5.83E-04	1.59E-03	5.21E-04	1.44E-04	2.84E-04	1.70E-04	1.12E-04	1.58E-04	7.78E-05
3986	565172.8	4222683	0.001131	0.001495	5.36E-04	6.00E-04	1.64E-03	5.36E-04	1.49E-04	2.92E-04	1.75E-04	1.15E-04	1.63E-04	8.00E-05
3987	565159.2	4222679	0.001162	0.001537	5.51E-04	6.16E-04	1.68E-03	5.51E-04	1.53E-04	3.00E-04	1.80E-04	1.18E-04	1.67E-04	8.22E-05
3988	565145.6	4222675	0.001194	0.001579	5.66E-04	6.33E-04	1.73E-03	5.66E-04	1.57E-04	3.08E-04	1.85E-04	1.21E-04	1.72E-04	8.44E-05
3989	565131.9	4222671	0.001225	0.00162	5.80E-04	6.50E-04	1.78E-03	5.80E-04	1.61E-04	3.17E-04	1.90E-04	1.25E-04	1.76E-04	8.66E-05
3990	565118.3	4222667	0.001255	0.001659	5.94E-04	6.65E-04	1.82E-03	5.94E-04	1.65E-04	3.24E-04	1.95E-04	1.28E-04	1.80E-04	8.87E-05
3991	565104.6	4222664	0.001283	0.001697	6.08E-04	6.80E-04	1.86E-03	6.08E-04	1.69E-04	3.31E-04	1.99E-04	1.30E-04	1.85E-04	9.07E-05
3992	565087.5	4222654	0.001359	0.001797	6.44E-04	7.21E-04	1.97E-03	6.44E-04	1.78E-04	3.51E-04	2.11E-04	1.38E-04	1.95E-04	9.61E-05
3993	565073.5	4222629	0.001569	0.002075	7.43E-04	8.32E-04	2.27E-03	7.43E-04	2.06E-04	4.05E-04	2.43E-04	1.59E-04	2.26E-04	1.11E-04
3994	565066.6	4222617	0.001681	0.002223	7.96E-04	8.91E-04	2.44E-03	7.96E-04	2.21E-04	4.34E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
3995	565059.6	4222604	0.001797	0.002376	8.51E-04	9.53E-04	2.61E-03	8.51E-04	2.36E-04	4.64E-04	2.79E-04	1.83E-04	2.58E-04	1.27E-04
3996	565052.6	4222592	0.001915	0.002533	9.07E-04	1.02E-03	2.78E-03	9.07E-04	2.52E-04	4.95E-04	2.97E-04	1.95E-04	2.75E-04	1.35E-04
3997	565031.6	4222555	0.002269	0.003001	1.08E-03	1.20E-03	3.29E-03	1.08E-03	2.98E-04	5.86E-04	3.52E-04	2.31E-04	3.26E-04	1.60E-04
3998	565024.6	4222543	0.002385	0.003155	1.13E-03	1.26E-03	3.46E-03	1.13E-03	3.13E-04	6.16E-04	3.70E-04	2.42E-04	3.43E-04	1.69E-04
3999	565017.6	4222530	0.002497	0.003302	1.18E-03	1.32E-03	3.62E-03	1.18E-03	3.28E-04	6.45E-04	3.87E-04	2.54E-04	3.59E-04	1.77E-04
4000	565010.6	4222518	0.002603	0.003443	1.23E-03	1.38E-03	3.77E-03	1.23E-03	3.42E-04	6.72E-04	4.04E-04	2.65E-04	3.74E-04	1.84E-04
4001	565003.6	4222506	0.002705	0.003578	1.28E-03	1.43E-03	3.92E-03	1.28E-03	3.55E-04	6.99E-04	4.19E-04	2.75E-04	3.89E-04	1.91E-04

4002	564996.7	4222493	0.002801	0.003705	1.33E-03	1.49E-03	4.06E-03	1.33E-03	3.68E-04	7.24E-04	4.34E-04	2.85E-04	4.03E-04	1.98E-04
4003	564989.7	4222481	0.00289	0.003821	1.37E-03	1.53E-03	4.19E-03	1.37E-03	3.79E-04	7.46E-04	4.48E-04	2.94E-04	4.16E-04	2.04E-04
4004	564968.7	4222444	0.003096	0.004095	1.47E-03	1.64E-03	4.49E-03	1.47E-03	4.07E-04	8.00E-04	4.80E-04	3.15E-04	4.45E-04	2.19E-04
4005	565298.8	4222738	0.000809	0.00107	3.83E-04	4.29E-04	1.17E-03	3.83E-04	1.06E-04	2.09E-04	1.25E-04	8.22E-05	1.16E-04	5.72E-05
4006	565285.5	4222734	0.000822	0.001088	3.90E-04	4.36E-04	1.19E-03	3.90E-04	1.08E-04	2.12E-04	1.27E-04	8.36E-05	1.18E-04	5.82E-05
4007	565272.2	4222730	0.000838	0.001109	3.97E-04	4.44E-04	1.22E-03	3.97E-04	1.10E-04	2.17E-04	1.30E-04	8.52E-05	1.21E-04	5.93E-05
4008	565245.5	4222723	0.000876	0.001158	4.15E-04	4.64E-04	1.27E-03	4.15E-04	1.15E-04	2.26E-04	1.36E-04	8.90E-05	1.26E-04	6.19E-05
4009	565232.1	4222719	0.000897	0.001186	4.25E-04	4.75E-04	1.30E-03	4.25E-04	1.18E-04	2.32E-04	1.39E-04	9.11E-05	1.29E-04	6.34E-05
4010	565218.8	4222715	0.000919	0.001215	4.35E-04	4.87E-04	1.33E-03	4.35E-04	1.21E-04	2.37E-04	1.42E-04	9.34E-05	1.32E-04	6.50E-05
4011	565205.4	4222711	0.000942	0.001246	4.46E-04	5.00E-04	1.37E-03	4.46E-04	1.24E-04	2.43E-04	1.46E-04	9.58E-05	1.36E-04	6.67E-05
4012	565192.1	4222708	0.000967	0.001279	4.58E-04	5.13E-04	1.40E-03	4.58E-04	1.27E-04	2.50E-04	1.50E-04	9.83E-05	1.39E-04	6.84E-05
4013	565178.7	4222704	0.000993	0.001313	4.70E-04	5.26E-04	1.44E-03	4.70E-04	1.30E-04	2.57E-04	1.54E-04	1.01E-04	1.43E-04	7.02E-05
4014	565165.4	4222700	0.001019	0.001348	4.83E-04	5.40E-04	1.48E-03	4.83E-04	1.34E-04	2.63E-04	1.58E-04	1.04E-04	1.47E-04	7.21E-05
4015	565152.1	4222696	0.001046	0.001383	4.96E-04	5.55E-04	1.52E-03	4.96E-04	1.37E-04	2.70E-04	1.62E-04	1.06E-04	1.50E-04	7.40E-05
4016	565138.7	4222692	0.001073	0.001419	5.08E-04	5.69E-04	1.56E-03	5.08E-04	1.41E-04	2.77E-04	1.66E-04	1.09E-04	1.54E-04	7.59E-05
4017	565125.4	4222689	0.0011	0.001454	5.21E-04	5.83E-04	1.59E-03	5.21E-04	1.44E-04	2.84E-04	1.70E-04	1.12E-04	1.58E-04	7.78E-05
4018	565112	4222685	0.001126	0.001489	5.33E-04	5.97E-04	1.63E-03	5.33E-04	1.48E-04	2.91E-04	1.75E-04	1.14E-04	1.62E-04	7.96E-05
4019	565098.7	4222681	0.001151	0.001523	5.45E-04	6.10E-04	1.67E-03	5.45E-04	1.51E-04	2.97E-04	1.78E-04	1.17E-04	1.66E-04	8.14E-05
4020	565085.3	4222677	0.001176	0.001555	5.57E-04	6.23E-04	1.70E-03	5.57E-04	1.54E-04	3.04E-04	1.82E-04	1.20E-04	1.69E-04	8.32E-05
4021	565075.2	4222669	0.00123	0.001627	5.83E-04	6.52E-04	1.78E-03	5.83E-04	1.62E-04	3.18E-04	1.91E-04	1.25E-04	1.77E-04	8.70E-05
4022	565068.4	4222657	0.001318	0.001743	6.25E-04	6.99E-04	1.91E-03	6.25E-04	1.73E-04	3.41E-04	2.04E-04	1.34E-04	1.90E-04	9.32E-05
4023	565054.7	4222633	0.001509	0.001995	7.15E-04	8.00E-04	2.19E-03	7.15E-04	1.98E-04	3.90E-04	2.34E-04	1.53E-04	2.17E-04	1.07E-04
4024	565027.4	4222585	0.001922	0.002542	9.11E-04	1.02E-03	2.79E-03	9.11E-04	2.52E-04	4.97E-04	2.98E-04	1.95E-04	2.77E-04	1.36E-04
4025	565020.5	4222573	0.002027	0.00268	9.60E-04	1.07E-03	2.94E-03	9.60E-04	2.66E-04	5.24E-04	3.14E-04	2.06E-04	2.92E-04	1.43E-04
4026	565013.7	4222561	0.002131	0.002819	1.01E-03	1.13E-03	3.09E-03	1.01E-03	2.80E-04	5.51E-04	3.30E-04	2.17E-04	3.07E-04	1.51E-04
4027	565006.8	4222549	0.002234	0.002954	1.06E-03	1.18E-03	3.24E-03	1.06E-03	2.93E-04	5.77E-04	3.46E-04	2.27E-04	3.21E-04	1.58E-04
4028	565000	4222537	0.002332	0.003084	1.10E-03	1.24E-03	3.38E-03	1.10E-03	3.06E-04	6.02E-04	3.61E-04	2.37E-04	3.35E-04	1.65E-04
4029	564993.2	4222525	0.002425	0.003207	1.15E-03	1.29E-03	3.52E-03	1.15E-03	3.19E-04	6.27E-04	3.76E-04	2.46E-04	3.49E-04	1.72E-04
4030	564986.3	4222513	0.002515	0.003325	1.19E-03	1.33E-03	3.65E-03	1.19E-03	3.30E-04	6.50E-04	3.90E-04	2.56E-04	3.62E-04	1.78E-04
4031	564979.5	4222501	0.0026	0.003439	1.23E-03	1.38E-03	3.77E-03	1.23E-03	3.42E-04	6.72E-04	4.03E-04	2.64E-04	3.74E-04	1.84E-04
4032	564972.7	4222488	0.002679	0.003543	1.27E-03	1.42E-03	3.88E-03	1.27E-03	3.52E-04	6.92E-04	4.15E-04	2.72E-04	3.85E-04	1.89E-04
4033	564952.1	4222452	0.002871	0.003796	1.36E-03	1.52E-03	4.16E-03	1.36E-03	3.77E-04	7.42E-04	4.45E-04	2.92E-04	4.13E-04	2.03E-04
4034	565300.9	4222758	0.000735	0.000972	3.48E-04	3.90E-04	1.07E-03	3.48E-04	9.65E-05	1.90E-04	1.14E-04	7.47E-05	1.06E-04	5.20E-05
4035	565287.5	4222754	0.000745	0.000986	3.53E-04	3.95E-04	1.08E-03	3.53E-04	9.79E-05	1.93E-04	1.16E-04	7.58E-05	1.07E-04	5.27E-05
4036	565274.1	4222750	0.000758	0.001003	3.59E-04	4.02E-04	1.10E-03	3.59E-04	9.96E-05	1.96E-04	1.18E-04	7.71E-05	1.09E-04	5.36E-05
4037	565247.3	4222742	0.000789	0.001043	3.74E-04	4.18E-04	1.14E-03	3.74E-04	1.04E-04	2.04E-04	1.22E-04	8.01E-05	1.13E-04	5.58E-05
4038	565233.9	4222739	0.000806	0.001066	3.82E-04	4.27E-04	1.17E-03	3.82E-04	1.06E-04	2.08E-04	1.25E-04	8.19E-05	1.16E-04	5.70E-05
4039	565220.5	4222735	0.000824	0.00109	3.90E-04	4.37E-04	1.19E-03	3.90E-04	1.08E-04	2.13E-04	1.28E-04	8.38E-05	1.19E-04	5.83E-05
4040	565207.1	4222731	0.000844	0.001116	4.00E-04	4.47E-04	1.22E-03	4.00E-04	1.11E-04	2.18E-04	1.31E-04	8.57E-05	1.21E-04	5.97E-05
4041	565193.7	4222727	0.000864	0.001143	4.09E-04	4.58E-04	1.25E-03	4.09E-04	1.14E-04	2.23E-04	1.34E-04	8.78E-05	1.24E-04	6.11E-05
4042	565180.3	4222723	0.000886	0.001172	4.20E-04	4.70E-04	1.28E-03	4.20E-04	1.16E-04	2.29E-04	1.37E-04	9.00E-05	1.27E-04	6.26E-05
4043	565166.9	4222720	0.000908	0.001201	4.30E-04	4.82E-04	1.32E-03	4.30E-04	1.19E-04	2.35E-04	1.41E-04	9.23E-05	1.31E-04	6.42E-05
4044	565153.5	4222716	0.000931	0.001232	4.41E-04	4.94E-04	1.35E-03	4.41E-04	1.22E-04	2.41E-04	1.44E-04	9.47E-05	1.34E-04	6.59E-05
4045	565140	4222712	0.000955	0.001263	4.52E-04	5.06E-04	1.38E-03	4.52E-04	1.25E-04	2.47E-04	1.48E-04	9.70E-05	1.37E-04	6.75E-05
4046	565126.6	4222708	0.000979	0.001294	4.64E-04	5.19E-04	1.42E-03	4.64E-04	1.29E-04	2.53E-04	1.52E-04	9.95E-05	1.41E-04	6.92E-05
4047	565113.2	4222704	0.001003	0.001326	4.75E-04	5.32E-04	1.45E-03	4.75E-04	1.32E-04	2.59E-04	1.55E-04	1.02E-04	1.44E-04	7.09E-05
4048	565099.8	4222701	0.001026	0.001357	4.86E-04	5.44E-04	1.49E-03	4.86E-04	1.35E-04	2.65E-04	1.59E-04	1.04E-04	1.48E-04	7.26E-05
4049	565086.4	4222697	0.001049	0.001387	4.97E-04	5.56E-04	1.52E-03	4.97E-04	1.38E-04	2.71E-04	1.63E-04	1.07E-04	1.51E-04	7.42E-05
4050	565073	4222693	0.001071	0.001417	5.08E-04	5.68E-04	1.55E-03	5.08E-04	1.41E-04	2.77E-04	1.66E-04	1.09E-04	1.54E-04	7.58E-05
4051	565062.9	4222685	0.00112	0.001481	5.30E-04	5.94E-04	1.62E-03	5.30E-04	1.47E-04	2.89E-04	1.74E-04	1.14E-04	1.61E-04	7.92E-05
4052	565056	4222673	0.001198	0.001584	5.68E-04	6.35E-04	1.74E-03	5.68E-04	1.57E-04	3.09E-04	1.86E-04	1.22E-04	1.72E-04	8.47E-05
4053	565049.1	4222661	0.001281	0.001694	6.07E-04	6.79E-04	1.86E-03	6.07E-04	1.68E-04	3.31E-04	1.99E-04	1.30E-04	1.84E-04	9.06E-05
4054	565028.5	4222625	0.001551	0.002052	7.35E-04	8.22E-04	2.25E-03	7.35E-04	2.04E-04	4.01E-04	2.40E-04	1.58E-04	2.23E-04	1.10E-04
4055	565021.7	4222612	0.001646	0.002177	7.80E-04	8.73E-04	2.39E-03	7.80E-04	2.16E-04	4.25E-04	2.55E-04	1.67E-04	2.37E-04	1.16E-04
4056	565014.8	4222600	0.001742	0.002304	8.25E-04	9.24E-04	2.53E-03	8.25E-04	2.29E-04	4.50E-04	2.70E-04	1.77E-04	2.51E-04	1.23E-04
4057	565007.9	4222588	0.001838	0.00243	8.71E-04	9.74E-04	2.66E-03	8.71E-04	2.41E-04	4.75E-04	2.85E-04	1.87E-04	2.64E-04	1.30E-04
4058	565001	4222576	0.001932	0.002555	9.15E-04	1.02E-03	2.80E-03	9.15E-04	2.54E-04	4.99E-04	3.00E-04	1.96E-04	2.78E-04	1.37E-04
4059	564994.2	4222564	0.002027	0.002681	9.60E-04	1.07E-03	2.94E-03	9.60E-04	2.66E-04	5.24E-04	3.14E-04	2.06E-04	2.92E-04	1.43E-04
4060	564987.3	4222552	0.002119	0.002803	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.48E-04	3.29E-04	2.15E-04	3.05E-04	1.50E-04
4061	564980.4	4222540	0.002208	0.00292	1.05E-03	1.17E-03	3.20E-03	1.05E-03	2.90E-04	5.70E-04	3.42E-04	2.24E-04	3.18E-04	1.56E-04
4062	564973.6	4222528	0.002293	0.003032	1.09E-03	1.22E-03	3.32E-03	1.09E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.30E-04	1.62E-04
4063	564966.7	4222515	0.002374	0.00314	1.12E-03	1.26E-03	3.44E-03	1.12E-03	3.12E-04	6.13E-04	3.68E-04	2.41E-04	3.42E-04	1.68E-04
4064	564959.8	4222503	0.00245	0.00324	1.16E-03	1.30E-03	3.55E-03	1.16E-03	3.22E-04	6.33E-04	3.80E-04	2.49E-04	3.52E-04	1.73E-04
4065	564939.2	4222467	0.002641	0.003492	1.25E-03	1.40E-03	3.83E-03	1.25E-03	3.47E-04	6.82E-04	4.09E-04	2.68E-04	3.80E-04	1.87E-04
4066	564932.3	4222455	0.00269	0.003557	1.27E-03	1.43E-03	3.90E-03	1.27E-03	3.53E-04	6.95E-04	4.17E-04	2.73E-04	3.87E-04	1.90E-04
4067	565303	4222777	0.000671	0.000888	3.18E-04	3.56E-04	9.73E-04	3.18E-04	8.82E-05	1.73E-04	1.04E-04	6.82E-05	9.66E-05	4.75E-05
4068	565289.5	4222774	0.00068	0.000899	3.22E-04	3.61E-04	9.86E-04	3.22E-04	8.93E-05	1.76E-04	1.05E-04	6.91E-05	9.78E-05	4.81E-05
4069	565276.1	4222770	0.00069	0.000913	3.27E-04	3.66E-04	1.00E-03	3.27E-04	9.07E-05	1.78E-04	1.07E-04	7.02E-05	9.93E-05	4.88E-05
4070	565087.6	4222716	0.000939	0.001242	4.45E-04	4.98E-04	1.36E-03	4.45E-04	1.23E-04	2.43E-04	1.46E-04	9.55E-05	1.35E-04	6.64E-05
4071	565074.2	4222713	0.00096	0.00127	4.55E-04	5.09E-04	1.39E-03	4.55E-04	1.26E-04	2.48E-04	1.49E-04	9.76E-05	1.38E-04	6.79E-05
4072	565060.7	4222709	0.000981	0.001297	4.65E-04	5.20E-04	1.42E-03	4.65E-04	1.29E-04	2.53E-04	1.52E-04	9.96E-05	1.41E-04	6.93E-05
4073	565050.5	4222701	0.001024	0.001354	4.85E-04	5.43E-04	1.48E-03	4.85E-04	1.34E-04	2.64E-04	1.59E-04	1.04E-04	1.47E-04	7.24E-05
4074	565029.8	4222664	0.001245	0.001646	5.90E-04	6.60E-04	1.80E-03	5.90E-04	1.64E-04	3.22E-04	1.93E-04	1.27E-04	1.79E-04	8.80E-05
4075	565022.9	4222652	0.001326	0.001754	6.28E-04	7.03E-04	1.92E-03	6.28E-04	1.74E-04	3.43E-04	2.06E-04	1.35E-04	1.91E-04	9.38E-05
4076	565009.1	4222628	0.001496	0.001979	7.09E-04	7.93E-04	2.17E-03	7.09E-04	1.96E-04	3.87E-04	2.32E-04	1.52E-04	2.15E-04	1.06E-04
4077	565002.2	4222616	0.001584	0.002094	7.50E-04	8.40E-04	2.30E-03	7.50E-04	2.08E-04	4.09E-04	2.46E-04	1.61E-04	2.28E-04	1.12E-04
4078	564995.3	4222603	0.001672	0.002211	7.92E-04	8.86E-04	2.42E-03	7.92E-04	2.20E-04	4.32E-04	2.59E-04	1.70E-04	2.40E-04	1.18E-04
4079	564988.4	4222591	0.001759	0.002326	8.33E-04	9.33E-04	2.55E-03	8.33E-04	2.31E-04	4.54E-04	2.73E-04	1.79E-04	2.53E-04	1.24E-04
4080	564981.5	4222579	0.001845	0.00244	8.74E-04	9.78E-04	2.67E-03	8.74E-04	2.42E-04	4.77E-04	2.86E-04	1.87E-04	2.65E-04	1.30E-04
4081	564974.6	4222567	0.00193	0.002553	9.15E-04	1.02E-03	2.80E-03	9.15E-04	2.54E-04	4.99E-04	2.99E-04	1.96E-04	2.78E-04	1.37E-04
4082	564967.7	4222555	0.002014	0.002663	9.54E-04	1.07E-03	2.92E-03	9.54E-04	2.64E-04	5.20E-04	3.12E-04	2.05E-04	2.90E-04	1.42E-04
4083	564960.8	4222543	0.002095	0.00277	9.92E-04	1.11E-03	3.04E-03	9.92E-04	2.75E-04	5.41E-04	3.25E-04	2.13E-04	3.01E-04	1.48E-04
4084	564953.9	4222530	0.002172	0.002872	1.03E-03	1.15E-03	3.15E-03	1.03E-03	2.85E-04	5.61E-04	3.37E-04	2.21E-04	3.12E-04	1.54E-04
4085	564947	4222518	0.002245	0.002969	1.06E-03	1.19E-03	3.26E-03	1.06E-03	2.95E-04	5.80E-04	3.48E-04	2.28E-04	3.23E-04	1.59E-04
4086	564940.1	4222506	0.002313	0.003059	1.10E-03	1.23E-03	3.35E-03	1.10E-03	3.04E-04	5.97E-04	3.59E-04	2.35E-04	3.33E-04	1.64E-04
4087	564919.4	4222470	0.002483	0.003284	1.18E-03	1.32E-03	3.60E-03	1.18E-03	3.26E-04	6.41E-04	3.85E-04	2.52E-04	3.57E-04	1.76E-04
4088	564912.5	4222457	0.002526	0.003341	1.20E-03	1.34E-03	3.66E-03	1.20E-03	3.32E-04	6.53E-04	3.92E-04	2.57E-04	3.63E-04	1.79E-04
4089	565305.1	4222797	0.000617	0.000815	2.92E-04	3.27E-04	8.94E-04	2.92E-04	8.10E-05	1.59E-04	9.56E-05	6.27E-05	8.87E-05	4.36E-05
4090	565291.6	4222793	0.000624	0.000825	2.96E-04	3.31E-04	9.04E-04	2.96E-04	8.19E-05	1.61E-04	9.67E-05	6.34E-05	8.97E-05	4.41E-05
4091	565278.1	4222790	0.000632	0.000836	3.00E-04	3.35E-04	9.17E-04	3.00E-04	8.30E-05	1.63E-04	9.80E-05	6.43E-05	9.09E-05	4.47E-05
4092	565251.1	4222782	0.000653	0.000864	3.09E-04	3.46E-04	9.47E-04	3.09E-04	8.58E-05	1.69E-04	1.01E-04	6.64E-05	9.39E-05	4.62E-05

4093	565237.5	4222778	0.000665	0.000879	3.15E-04	3.53E-04	9.64E-04	3.15E-04	8.73E-05	1.72E-04	1.03E-04	6.76E-05	9.56E-05	4.70E-05
4094	565224	4222774	0.000678	0.000896	3.21E-04	3.59E-04	9.82E-04	3.21E-04	8.90E-05	1.75E-04	1.05E-04	6.89E-05	9.75E-05	4.79E-05
4095	565210.5	4222770	0.000691	0.000914	3.27E-04	3.66E-04	1.00E-03	3.27E-04	9.08E-05	1.79E-04	1.07E-04	7.02E-05	9.94E-05	4.89E-05
4096	565197	4222767	0.000706	0.000933	3.34E-04	3.74E-04	1.02E-03	3.34E-04	9.27E-05	1.82E-04	1.09E-04	7.17E-05	1.01E-04	4.99E-05
4097	565183.5	4222763	0.000721	0.000953	3.41E-04	3.82E-04	1.04E-03	3.41E-04	9.46E-05	1.86E-04	1.12E-04	7.32E-05	1.04E-04	5.10E-05
4098	565170	4222759	0.000737	0.000974	3.49E-04	3.91E-04	1.07E-03	3.49E-04	9.67E-05	1.90E-04	1.14E-04	7.49E-05	1.06E-04	5.21E-05
4099	565156.5	4222755	0.000753	0.000996	3.57E-04	3.99E-04	1.09E-03	3.57E-04	9.89E-05	1.95E-04	1.17E-04	7.66E-05	1.08E-04	5.33E-05
4100	565143	4222751	0.000771	0.001019	3.65E-04	4.09E-04	1.12E-03	3.65E-04	1.01E-04	1.99E-04	1.19E-04	7.83E-05	1.11E-04	5.45E-05
4101	565129.5	4222747	0.000789	0.001043	3.74E-04	4.18E-04	1.14E-03	3.74E-04	1.04E-04	2.04E-04	1.22E-04	8.01E-05	1.13E-04	5.58E-05
4102	565115.9	4222744	0.000807	0.001067	3.82E-04	4.28E-04	1.17E-03	3.82E-04	1.06E-04	2.08E-04	1.25E-04	8.20E-05	1.16E-04	5.71E-05
4103	565102.4	4222740	0.000826	0.001092	3.91E-04	4.38E-04	1.20E-03	3.91E-04	1.08E-04	2.13E-04	1.28E-04	8.39E-05	1.19E-04	5.84E-05
4104	565088.9	4222736	0.000845	0.001117	4.00E-04	4.48E-04	1.22E-03	4.00E-04	1.11E-04	2.18E-04	1.31E-04	8.58E-05	1.22E-04	5.97E-05
4105	565075.4	4222732	0.000864	0.001142	4.09E-04	4.58E-04	1.25E-03	4.09E-04	1.13E-04	2.23E-04	1.34E-04	8.78E-05	1.24E-04	6.11E-05
4106	565061.9	4222728	0.000883	0.001167	4.18E-04	4.68E-04	1.28E-03	4.18E-04	1.16E-04	2.28E-04	1.37E-04	8.97E-05	1.27E-04	6.24E-05
4107	565031.2	4222704	0.001002	0.001325	4.75E-04	5.31E-04	1.45E-03	4.75E-04	1.32E-04	2.59E-04	1.55E-04	1.02E-04	1.44E-04	7.09E-05
4108	565024.3	4222692	0.001068	0.001413	5.06E-04	5.66E-04	1.55E-03	5.06E-04	1.40E-04	2.76E-04	1.66E-04	1.09E-04	1.54E-04	7.55E-05
4109	565017.4	4222680	0.001138	0.001505	5.39E-04	6.03E-04	1.65E-03	5.39E-04	1.49E-04	2.94E-04	1.76E-04	1.16E-04	1.64E-04	8.05E-05
4110	565010.5	4222668	0.001211	0.001601	5.74E-04	6.42E-04	1.76E-03	5.74E-04	1.59E-04	3.13E-04	1.88E-04	1.23E-04	1.74E-04	8.56E-05
4111	565003.5	4222655	0.001286	0.001701	6.09E-04	6.82E-04	1.86E-03	6.09E-04	1.69E-04	3.32E-04	1.99E-04	1.31E-04	1.85E-04	9.10E-05
4112	564989.7	4222631	0.001444	0.00191	6.84E-04	7.66E-04	2.09E-03	6.84E-04	1.90E-04	3.73E-04	2.24E-04	1.47E-04	2.08E-04	1.02E-04
4113	564982.8	4222619	0.001525	0.002016	7.22E-04	8.08E-04	2.21E-03	7.22E-04	2.00E-04	3.94E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
4114	564975.8	4222607	0.001606	0.002123	7.61E-04	8.51E-04	2.33E-03	7.61E-04	2.11E-04	4.15E-04	2.49E-04	1.63E-04	2.31E-04	1.14E-04
4115	564968.9	4222594	0.001685	0.002229	7.98E-04	8.93E-04	2.44E-03	7.98E-04	2.21E-04	4.35E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
4116	564962	4222582	0.001764	0.002333	8.36E-04	9.35E-04	2.56E-03	8.36E-04	2.32E-04	4.56E-04	2.73E-04	1.79E-04	2.54E-04	1.25E-04
4117	564955.1	4222570	0.001841	0.002435	8.72E-04	9.76E-04	2.67E-03	8.72E-04	2.42E-04	4.76E-04	2.85E-04	1.87E-04	2.65E-04	1.30E-04
4118	564948.1	4222558	0.001917	0.002535	9.08E-04	1.02E-03	2.78E-03	9.08E-04	2.52E-04	4.95E-04	2.97E-04	1.95E-04	2.76E-04	1.36E-04
4119	564941.2	4222546	0.00199	0.002631	9.43E-04	1.05E-03	2.88E-03	9.43E-04	2.61E-04	5.14E-04	3.08E-04	2.02E-04	2.86E-04	1.41E-04
4120	564934.3	4222533	0.002059	0.002723	9.76E-04	1.09E-03	2.99E-03	9.76E-04	2.70E-04	5.32E-04	3.19E-04	2.09E-04	2.96E-04	1.46E-04
4121	564927.4	4222521	0.002125	0.00281	1.01E-03	1.13E-03	3.08E-03	1.01E-03	2.79E-04	5.49E-04	3.29E-04	2.16E-04	3.06E-04	1.50E-04
4122	564920.4	4222509	0.002187	0.002892	1.04E-03	1.16E-03	3.17E-03	1.04E-03	2.87E-04	5.65E-04	3.39E-04	2.22E-04	3.15E-04	1.55E-04
4123	564906.6	4222484	0.002294	0.003034	1.09E-03	1.22E-03	3.33E-03	1.09E-03	3.01E-04	5.93E-04	3.56E-04	2.33E-04	3.30E-04	1.62E-04
4124	564899.7	4222472	0.002339	0.003093	1.11E-03	1.24E-03	3.39E-03	1.11E-03	3.07E-04	6.04E-04	3.63E-04	2.38E-04	3.36E-04	1.65E-04
4125	564892.7	4222460	0.002378	0.003145	1.13E-03	1.26E-03	3.45E-03	1.13E-03	3.12E-04	6.14E-04	3.69E-04	2.42E-04	3.42E-04	1.68E-04
4126	565307.2	4222817	0.000569	0.000752	2.70E-04	3.02E-04	8.25E-04	2.70E-04	7.47E-05	1.47E-04	8.82E-05	5.78E-05	8.18E-05	4.02E-05
4127	565293.7	4222813	0.000575	0.000761	2.73E-04	3.05E-04	8.34E-04	2.73E-04	7.55E-05	1.49E-04	8.92E-05	5.85E-05	8.27E-05	4.07E-05
4128	565280.1	4222809	0.000582	0.00077	2.76E-04	3.09E-04	8.44E-04	2.76E-04	7.65E-05	1.50E-04	9.03E-05	5.92E-05	8.38E-05	4.12E-05
4129	565253	4222802	0.0006	0.000793	2.84E-04	3.18E-04	8.69E-04	2.84E-04	7.88E-05	1.55E-04	9.30E-05	6.09E-05	8.63E-05	4.24E-05
4130	565239.4	4222798	0.00061	0.000806	2.89E-04	3.23E-04	8.84E-04	2.89E-04	8.01E-05	1.57E-04	9.45E-05	6.19E-05	8.77E-05	4.31E-05
4131	565225.9	4222794	0.00062	0.00082	2.94E-04	3.29E-04	8.99E-04	2.94E-04	8.15E-05	1.60E-04	9.61E-05	6.30E-05	8.92E-05	4.39E-05
4132	565212.3	4222790	0.000632	0.000835	2.99E-04	3.35E-04	9.16E-04	2.99E-04	8.29E-05	1.63E-04	9.79E-05	6.42E-05	9.08E-05	4.47E-05
4133	565198.8	4222786	0.000644	0.000851	3.05E-04	3.41E-04	9.33E-04	3.05E-04	8.45E-05	1.66E-04	9.98E-05	6.54E-05	9.26E-05	4.55E-05
4134	565185.2	4222782	0.000656	0.000868	3.11E-04	3.48E-04	9.52E-04	3.11E-04	8.62E-05	1.70E-04	1.02E-04	6.67E-05	9.44E-05	4.64E-05
4135	565171.6	4222779	0.00067	0.000886	3.17E-04	3.55E-04	9.71E-04	3.17E-04	8.80E-05	1.73E-04	1.04E-04	6.81E-05	9.64E-05	4.74E-05
4136	565158.1	4222775	0.000684	0.000905	3.24E-04	3.63E-04	9.92E-04	3.24E-04	8.98E-05	1.77E-04	1.06E-04	6.95E-05	9.84E-05	4.84E-05
4137	565144.5	4222771	0.000699	0.000924	3.31E-04	3.70E-04	1.01E-03	3.31E-04	9.18E-05	1.81E-04	1.08E-04	7.10E-05	1.01E-04	4.94E-05
4138	565131	4222767	0.000714	0.000944	3.38E-04	3.79E-04	1.04E-03	3.38E-04	9.38E-05	1.85E-04	1.11E-04	7.26E-05	1.03E-04	5.05E-05
4139	565117.4	4222763	0.00073	0.000966	3.46E-04	3.87E-04	1.06E-03	3.46E-04	9.59E-05	1.89E-04	1.13E-04	7.42E-05	1.05E-04	5.16E-05
4140	565103.8	4222759	0.000747	0.000987	3.54E-04	3.96E-04	1.08E-03	3.54E-04	9.80E-05	1.93E-04	1.16E-04	7.59E-05	1.07E-04	5.28E-05
4141	565090.3	4222756	0.000763	0.001009	3.62E-04	4.05E-04	1.11E-03	3.62E-04	1.00E-04	1.97E-04	1.18E-04	7.76E-05	1.10E-04	5.40E-05
4142	565076.7	4222752	0.00078	0.001032	3.70E-04	4.14E-04	1.13E-03	3.70E-04	1.02E-04	2.02E-04	1.21E-04	7.93E-05	1.12E-04	5.52E-05
4143	565063.2	4222748	0.000797	0.001054	3.78E-04	4.23E-04	1.16E-03	3.78E-04	1.05E-04	2.06E-04	1.24E-04	8.10E-05	1.15E-04	5.64E-05
4144	565049.6	4222744	0.000814	0.001077	3.86E-04	4.32E-04	1.18E-03	3.86E-04	1.07E-04	2.10E-04	1.26E-04	8.28E-05	1.17E-04	5.76E-05
4145	565025.8	4222732	0.000866	0.001145	4.10E-04	4.59E-04	1.26E-03	4.10E-04	1.14E-04	2.24E-04	1.34E-04	8.80E-05	1.25E-04	6.12E-05
4146	565018.9	4222720	0.000922	0.001219	4.37E-04	4.89E-04	1.34E-03	4.37E-04	1.21E-04	2.38E-04	1.43E-04	9.37E-05	1.33E-04	6.52E-05
4147	565011.9	4222708	0.000981	0.001297	4.65E-04	5.20E-04	1.42E-03	4.65E-04	1.29E-04	2.53E-04	1.52E-04	9.97E-05	1.41E-04	6.94E-05
4148	565005	4222695	0.001044	0.00138	4.94E-04	5.53E-04	1.51E-03	4.94E-04	1.37E-04	2.70E-04	1.62E-04	1.06E-04	1.50E-04	7.38E-05
4149	564998	4222683	0.001109	0.001467	5.26E-04	5.88E-04	1.61E-03	5.26E-04	1.46E-04	2.87E-04	1.72E-04	1.13E-04	1.60E-04	7.84E-05
4150	564991.1	4222671	0.001178	0.001558	5.58E-04	6.24E-04	1.71E-03	5.58E-04	1.55E-04	3.04E-04	1.83E-04	1.20E-04	1.69E-04	8.33E-05
4151	564984.1	4222659	0.001248	0.001651	5.91E-04	6.62E-04	1.81E-03	5.91E-04	1.64E-04	3.22E-04	1.94E-04	1.27E-04	1.80E-04	8.83E-05
4152	564970.2	4222634	0.001395	0.001844	6.61E-04	7.39E-04	2.02E-03	6.61E-04	1.83E-04	3.60E-04	2.16E-04	1.42E-04	2.01E-04	9.86E-05
4153	564963.3	4222622	0.001469	0.001943	6.96E-04	7.79E-04	2.13E-03	6.96E-04	1.93E-04	3.79E-04	2.28E-04	1.49E-04	2.11E-04	1.04E-04
4154	564956.3	4222610	0.001543	0.002041	7.31E-04	8.18E-04	2.24E-03	7.31E-04	2.03E-04	3.99E-04	2.39E-04	1.57E-04	2.22E-04	1.09E-04
4155	564949.4	4222597	0.001617	0.002138	7.66E-04	8.57E-04	2.34E-03	7.66E-04	2.12E-04	4.18E-04	2.51E-04	1.64E-04	2.33E-04	1.14E-04
4156	564942.4	4222585	0.001689	0.002233	8.00E-04	8.95E-04	2.45E-03	8.00E-04	2.22E-04	4.36E-04	2.62E-04	1.72E-04	2.43E-04	1.19E-04
4157	564935.5	4222573	0.00176	0.002327	8.34E-04	9.33E-04	2.55E-03	8.34E-04	2.31E-04	4.55E-04	2.73E-04	1.79E-04	2.53E-04	1.24E-04
4158	564928.5	4222561	0.001828	0.002417	8.66E-04	9.69E-04	2.65E-03	8.66E-04	2.40E-04	4.72E-04	2.83E-04	1.86E-04	2.63E-04	1.29E-04
4159	564921.6	4222548	0.001893	0.002503	8.97E-04	1.00E-03	2.74E-03	8.97E-04	2.49E-04	4.89E-04	2.93E-04	1.92E-04	2.72E-04	1.34E-04
4160	564914.6	4222536	0.001956	0.002586	9.26E-04	1.04E-03	2.84E-03	9.26E-04	2.57E-04	5.05E-04	3.03E-04	1.99E-04	2.81E-04	1.38E-04
4161	564907.7	4222524	0.002015	0.002665	9.55E-04	1.07E-03	2.92E-03	9.55E-04	2.65E-04	5.21E-04	3.12E-04	2.05E-04	2.90E-04	1.42E-04
4162	564886.8	4222487	0.002167	0.002866	1.03E-03	1.15E-03	3.14E-03	1.03E-03	2.85E-04	5.60E-04	3.36E-04	2.20E-04	3.12E-04	1.53E-04
4163	564879.9	4222475	0.002208	0.00292	1.05E-03	1.17E-03	3.20E-03	1.05E-03	2.90E-04	5.70E-04	3.42E-04	2.24E-04	3.18E-04	1.56E-04
4164	564872.9	4222463	0.002245	0.002969	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.95E-04	5.80E-04	3.48E-04	2.28E-04	3.23E-04	1.59E-04
4165	565309.3	4222837	0.000527	0.000697	2.50E-04	2.80E-04	7.64E-04	2.50E-04	6.92E-05	1.36E-04	8.17E-05	5.36E-05	7.58E-05	3.73E-05
4166	565295.7	4222833	0.000532	0.000704	2.52E-04	2.82E-04	7.72E-04	2.52E-04	6.99E-05	1.38E-04	8.25E-05	5.41E-05	7.66E-05	3.77E-05
4167	565282.1	4222829	0.000538	0.000712	2.55E-04	2.85E-04	7.81E-04	2.55E-04	7.07E-05	1.39E-04	8.35E-05	5.47E-05	7.74E-05	3.81E-05
4168	565254.9	4222821	0.000553	0.000732	2.62E-04	2.93E-04	8.02E-04	2.62E-04	7.27E-05	1.43E-04	8.58E-05	5.62E-05	7.96E-05	3.91E-05
4169	565241.3	4222818	0.000562	0.000743	2.66E-04	2.98E-04	8.14E-04	2.66E-04	7.38E-05	1.45E-04	8.71E-05	5.71E-05	8.08E-05	3.97E-05
4170	565227.7	4222814	0.000571	0.000755	2.70E-04	3.03E-04	8.28E-04	2.70E-04	7.50E-05	1.47E-04	8.85E-05	5.80E-05	8.21E-05	4.04E-05
4171	565214.1	4222810	0.00058	0.000768	2.75E-04	3.08E-04	8.41E-04	2.75E-04	7.62E-05	1.50E-04	9.00E-05	5.90E-05	8.35E-05	4.10E-05
4172	565200.5	4222806	0.00059	0.000781	2.80E-04	3.13E-04	8.56E-04	2.80E-04	7.75E-05	1.53E-04	9.15E-05	6.00E-05	8.49E-05	4.18E-05
4173	565186.9	4222802	0.000601	0.000795	2.85E-04	3.19E-04	8.72E-04	2.85E-04	7.90E-05	1.55E-04	9.32E-05	6.11E-05	8.65E-05	4.25E-05
4174	565173.3	4222798	0.000613	0.00081	2.90E-04	3.25E-04	8.88E-04	2.90E-04	8.05E-05	1.58E-04	9.50E-05	6.23E-05	8.81E-05	4.33E-05
4175	565159.7	4222794	0.000625	0.000826	2.96E-04	3.31E-04	9.06E-04	2.96E-04	8.20E-05	1.61E-04	9.68E-05	6.35E-05	8.99E-05	4.42E-05
4176	565146.1	4222791	0.000637	0.000843	3.02E-04	3.38E-04	9.24E-04	3.02E-04	8.37E-05	1.65E-04	9.88E-05	6.48E-05	9.17E-05	4.51E-05
4177	565132.5	4222787	0.00065	0.00086	3.08E-04	3.45E-04	9.43E-04	3.08E-04	8.54E-05	1.68E-04	1.01E-04	6.61E-05	9.36E-05	4.60E-05
4178	565118.9	4222783	0.000664	0.000878	3.15E-04	3.52E-04	9.63E-04	3.15E-04	8.72E-05	1.72E-04	1.03E-04	6.75E-05	9.55E-05	4.70E-05
4179	565105.3	4222779	0.000678	0.000897	3.21E-04	3.60E-04	9.83E-04	3.21E-04	8.91E-05	1.75E-04	1.05E-04	6.89E-05	9.76E-05	4.80E-05
4180	565091.7	4222775	0.000693	0.000916	3.28E-04	3.67E-04	1.00E-03	3.28E-04	9.10E-05	1.79E-04	1.07E-04	7.04E-05	9.97E-05	4.90E-05
4181	565078.1	4222771	0.000708	0.000936	3.35E-04	3.75E-04	1.03E-03	3.35E-04	9.30E-05	1.83E-04	1.10E-04	7.19E-05	1.02E-04	5.01E-05
4182	565064.5	4222768	0.000723	0.000956	3.43E-04	3.83E-04	1.05E-03	3.43E-04	9.50E-05	1.87E-04	1.12E-04	7.35E-05	1.04E-04	5.11E-05
4183	565050.9	4222764	0.000739	0.000977	3.50E-04	3.92E-04	1.07E-03	3.50E-04	9.70E-05	1.91E-04	1.14E-04	7.51E-05	1.06E-04	5.22E-05

4184	565023.7	4222756	0.000769	0.001018	3.65E-04	4.08E-04	1.12E-03	3.65E-04	1.01E-04	1.99E-04	1.19E-04	7.82E-05	1.11E-04	5.44E-05
4185	565013.5	4222748	0.000801	0.001059	3.79E-04	4.25E-04	1.16E-03	3.79E-04	1.05E-04	2.07E-04	1.24E-04	8.14E-05	1.15E-04	5.66E-05
4186	565006.5	4222736	0.000851	0.001125	4.03E-04	4.51E-04	1.23E-03	4.03E-04	1.12E-04	2.20E-04	1.32E-04	8.65E-05	1.22E-04	6.02E-05
4187	564999.5	4222723	0.000904	0.001196	4.28E-04	4.79E-04	1.31E-03	4.28E-04	1.19E-04	2.34E-04	1.40E-04	9.19E-05	1.30E-04	6.39E-05
4188	564992.5	4222711	0.000961	0.00127	4.55E-04	5.09E-04	1.39E-03	4.55E-04	1.26E-04	2.48E-04	1.49E-04	9.76E-05	1.38E-04	6.79E-05
4189	564985.6	4222699	0.00102	0.001349	4.83E-04	5.41E-04	1.48E-03	4.83E-04	1.34E-04	2.63E-04	1.58E-04	1.04E-04	1.47E-04	7.21E-05
4190	564978.6	4222686	0.001082	0.001431	5.13E-04	5.74E-04	1.57E-03	5.13E-04	1.42E-04	2.79E-04	1.68E-04	1.10E-04	1.56E-04	7.65E-05
4191	564971.6	4222674	0.001146	0.001516	5.43E-04	6.08E-04	1.66E-03	5.43E-04	1.50E-04	2.96E-04	1.78E-04	1.16E-04	1.65E-04	8.10E-05
4192	564964.7	4222662	0.001212	0.001603	5.74E-04	6.43E-04	1.76E-03	5.74E-04	1.59E-04	3.13E-04	1.88E-04	1.23E-04	1.74E-04	8.57E-05
4193	564950.7	4222637	0.001348	0.001782	6.38E-04	7.14E-04	1.95E-03	6.38E-04	1.77E-04	3.48E-04	2.09E-04	1.37E-04	1.94E-04	9.53E-05
4194	564943.7	4222625	0.001416	0.001873	6.71E-04	7.51E-04	2.05E-03	6.71E-04	1.86E-04	3.66E-04	2.20E-04	1.44E-04	2.04E-04	1.00E-04
4195	564936.8	4222613	0.001485	0.001963	7.03E-04	7.87E-04	2.15E-03	7.03E-04	1.95E-04	3.84E-04	2.30E-04	1.51E-04	2.14E-04	1.05E-04
4196	564929.8	4222600	0.001552	0.002053	7.35E-04	8.23E-04	2.25E-03	7.35E-04	2.04E-04	4.01E-04	2.41E-04	1.58E-04	2.23E-04	1.10E-04
4197	564922.8	4222588	0.001619	0.002141	7.67E-04	8.58E-04	2.35E-03	7.67E-04	2.13E-04	4.18E-04	2.51E-04	1.64E-04	2.33E-04	1.14E-04
4198	564915.9	4222576	0.001683	0.002226	7.97E-04	8.92E-04	2.44E-03	7.97E-04	2.21E-04	4.35E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
4199	564908.9	4222564	0.001745	0.002307	8.27E-04	9.25E-04	2.53E-03	8.27E-04	2.29E-04	4.51E-04	2.70E-04	1.77E-04	2.51E-04	1.23E-04
4200	564901.9	4222551	0.001804	0.002385	8.54E-04	9.56E-04	2.61E-03	8.54E-04	2.37E-04	4.66E-04	2.80E-04	1.83E-04	2.59E-04	1.28E-04
4201	564867.1	4222490	0.002051	0.002712	9.72E-04	1.09E-03	2.97E-03	9.72E-04	2.69E-04	5.30E-04	3.18E-04	2.08E-04	2.95E-04	1.45E-04
4202	564860.1	4222477	0.002088	0.002762	9.89E-04	1.11E-03	3.03E-03	9.89E-04	2.74E-04	5.40E-04	3.24E-04	2.12E-04	3.00E-04	1.48E-04
4203	564853.1	4222465	0.002122	0.002806	1.01E-03	1.12E-03	3.08E-03	1.01E-03	2.79E-04	5.48E-04	3.29E-04	2.16E-04	3.05E-04	1.50E-04
4204	565311.5	4222857	0.00049	0.000649	2.32E-04	2.60E-04	7.11E-04	2.32E-04	6.44E-05	1.27E-04	7.60E-05	4.98E-05	7.05E-05	3.47E-05
4205	565297.8	4222853	0.000495	0.000654	2.34E-04	2.62E-04	7.17E-04	2.34E-04	6.50E-05	1.28E-04	7.67E-05	5.03E-05	7.12E-05	3.50E-05
4206	565284.2	4222849	0.0005	0.000661	2.37E-04	2.65E-04	7.24E-04	2.37E-04	6.56E-05	1.29E-04	7.75E-05	5.08E-05	7.19E-05	3.53E-05
4207	565256.9	4222841	0.000512	0.000677	2.43E-04	2.72E-04	7.43E-04	2.43E-04	6.73E-05	1.32E-04	7.94E-05	5.21E-05	7.37E-05	3.62E-05
4208	565079.6	4222791	0.000645	0.000853	3.06E-04	3.42E-04	9.36E-04	3.06E-04	8.47E-05	1.67E-04	1.00E-04	6.56E-05	9.28E-05	4.56E-05
4209	565066	4222787	0.000659	0.000871	3.12E-04	3.49E-04	9.55E-04	3.12E-04	8.65E-05	1.70E-04	1.02E-04	6.70E-05	9.48E-05	4.66E-05
4210	565052.3	4222783	0.000673	0.000889	3.19E-04	3.57E-04	9.75E-04	3.19E-04	8.83E-05	1.74E-04	1.04E-04	6.83E-05	9.67E-05	4.76E-05
4211	565025.1	4222776	0.0007	0.000926	3.32E-04	3.71E-04	1.02E-03	3.32E-04	9.20E-05	1.81E-04	1.09E-04	7.12E-05	1.01E-04	4.95E-05
4212	565011.4	4222772	0.000714	0.000945	3.38E-04	3.79E-04	1.04E-03	3.38E-04	9.38E-05	1.85E-04	1.11E-04	7.26E-05	1.03E-04	5.05E-05
4213	565001.1	4222764	0.000743	0.000983	3.52E-04	3.94E-04	1.08E-03	3.52E-04	9.76E-05	1.92E-04	1.15E-04	7.55E-05	1.07E-04	5.25E-05
4214	564994.1	4222751	0.000788	0.001042	3.73E-04	4.18E-04	1.14E-03	3.73E-04	1.03E-04	2.04E-04	1.22E-04	8.01E-05	1.13E-04	5.57E-05
4215	564987.1	4222739	0.000836	0.001106	3.96E-04	4.43E-04	1.21E-03	3.96E-04	1.10E-04	2.16E-04	1.30E-04	8.50E-05	1.20E-04	5.91E-05
4216	564980.1	4222727	0.000887	0.001173	4.20E-04	4.70E-04	1.29E-03	4.20E-04	1.16E-04	2.29E-04	1.38E-04	9.01E-05	1.28E-04	6.27E-05
4217	564973.1	4222714	0.000941	0.001244	4.46E-04	4.99E-04	1.36E-03	4.46E-04	1.24E-04	2.43E-04	1.46E-04	9.56E-05	1.35E-04	6.65E-05
4218	564966.1	4222702	0.000997	0.001318	4.72E-04	5.28E-04	1.45E-03	4.72E-04	1.31E-04	2.58E-04	1.55E-04	1.01E-04	1.43E-04	7.05E-05
4219	564959.2	4222690	0.001055	0.001395	5.00E-04	5.59E-04	1.53E-03	5.00E-04	1.39E-04	2.73E-04	1.64E-04	1.07E-04	1.52E-04	7.46E-05
4220	564952.2	4222677	0.001115	0.001475	5.28E-04	5.91E-04	1.62E-03	5.28E-04	1.46E-04	2.88E-04	1.73E-04	1.13E-04	1.60E-04	7.89E-05
4221	564945.2	4222665	0.001177	0.001557	5.58E-04	6.24E-04	1.71E-03	5.58E-04	1.55E-04	3.04E-04	1.82E-04	1.20E-04	1.69E-04	8.32E-05
4222	564938.2	4222653	0.00124	0.001639	5.87E-04	6.57E-04	1.80E-03	5.87E-04	1.63E-04	3.20E-04	1.92E-04	1.26E-04	1.78E-04	8.77E-05
4223	564924.2	4222628	0.001366	0.001807	6.47E-04	7.24E-04	1.98E-03	6.47E-04	1.79E-04	3.53E-04	2.12E-04	1.39E-04	1.97E-04	9.66E-05
4224	564917.2	4222616	0.001429	0.00189	6.77E-04	7.58E-04	2.07E-03	6.77E-04	1.88E-04	3.69E-04	2.22E-04	1.45E-04	2.06E-04	1.01E-04
4225	564910.2	4222603	0.001491	0.001972	7.06E-04	7.91E-04	2.16E-03	7.06E-04	1.96E-04	3.85E-04	2.31E-04	1.52E-04	2.14E-04	1.05E-04
4226	564903.2	4222591	0.001552	0.002052	7.35E-04	8.23E-04	2.25E-03	7.35E-04	2.04E-04	4.01E-04	2.41E-04	1.58E-04	2.23E-04	1.10E-04
4227	564896.2	4222579	0.001611	0.00213	7.63E-04	8.54E-04	2.34E-03	7.63E-04	2.12E-04	4.16E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
4228	564875.3	4222542	0.001771	0.002343	8.39E-04	9.39E-04	2.57E-03	8.39E-04	2.33E-04	4.58E-04	2.75E-04	1.80E-04	2.55E-04	1.25E-04
4229	564868.3	4222529	0.00182	0.002407	8.62E-04	9.65E-04	2.64E-03	8.62E-04	2.39E-04	4.70E-04	2.82E-04	1.85E-04	2.62E-04	1.29E-04
4230	564847.3	4222492	0.001944	0.002571	9.21E-04	1.03E-03	2.82E-03	9.21E-04	2.55E-04	5.02E-04	3.01E-04	1.98E-04	2.80E-04	1.37E-04
4231	564840.3	4222480	0.001978	0.002616	9.37E-04	1.05E-03	2.87E-03	9.37E-04	2.60E-04	5.11E-04	3.07E-04	2.01E-04	2.85E-04	1.40E-04
4232	564833.3	4222468	0.002008	0.002656	9.51E-04	1.06E-03	2.91E-03	9.51E-04	2.64E-04	5.19E-04	3.11E-04	2.04E-04	2.89E-04	1.42E-04
4233	565313.6	4222876	0.000458	0.000605	2.17E-04	2.43E-04	6.64E-04	2.17E-04	6.01E-05	1.18E-04	7.09E-05	4.65E-05	6.58E-05	3.24E-05
4234	565300	4222873	0.000461	0.00061	2.19E-04	2.45E-04	6.69E-04	2.19E-04	6.06E-05	1.19E-04	7.15E-05	4.69E-05	6.63E-05	3.26E-05
4235	565286.3	4222869	0.000465	0.000616	2.21E-04	2.47E-04	6.75E-04	2.21E-04	6.11E-05	1.20E-04	7.22E-05	4.73E-05	6.69E-05	3.29E-05
4236	565258.9	4222861	0.000476	0.00063	2.26E-04	2.52E-04	6.90E-04	2.26E-04	6.25E-05	1.23E-04	7.38E-05	4.84E-05	6.85E-05	3.37E-05
4237	565245.3	4222857	0.000482	0.000638	2.29E-04	2.56E-04	6.99E-04	2.29E-04	6.34E-05	1.25E-04	7.48E-05	4.90E-05	6.94E-05	3.41E-05
4238	565231.6	4222853	0.000489	0.000647	2.32E-04	2.59E-04	7.09E-04	2.32E-04	6.42E-05	1.26E-04	7.58E-05	4.97E-05	7.04E-05	3.46E-05
4239	565217.9	4222849	0.000496	0.000656	2.35E-04	2.63E-04	7.20E-04	2.35E-04	6.52E-05	1.28E-04	7.70E-05	5.04E-05	7.14E-05	3.51E-05
4240	565190.5	4222842	0.000512	0.000677	2.42E-04	2.71E-04	7.42E-04	2.42E-04	6.72E-05	1.32E-04	7.93E-05	5.20E-05	7.36E-05	3.62E-05
4241	565176.9	4222838	0.00052	0.000688	2.46E-04	2.76E-04	7.54E-04	2.46E-04	6.83E-05	1.34E-04	8.06E-05	5.29E-05	7.48E-05	3.68E-05
4242	565163.2	4222834	0.000529	0.0007	2.51E-04	2.81E-04	7.67E-04	2.51E-04	6.95E-05	1.37E-04	8.20E-05	5.38E-05	7.61E-05	3.74E-05
4243	565149.5	4222830	0.000538	0.000712	2.55E-04	2.85E-04	7.81E-04	2.55E-04	7.07E-05	1.39E-04	8.35E-05	5.47E-05	7.74E-05	3.81E-05
4244	565122.2	4222822	0.000558	0.000738	2.64E-04	2.96E-04	8.09E-04	2.64E-04	7.33E-05	1.44E-04	8.65E-05	5.67E-05	8.03E-05	3.95E-05
4245	565108.5	4222818	0.000569	0.000752	2.69E-04	3.01E-04	8.24E-04	2.69E-04	7.47E-05	1.47E-04	8.82E-05	5.78E-05	8.18E-05	4.02E-05
4246	565094.8	4222815	0.00058	0.000767	2.75E-04	3.07E-04	8.40E-04	2.75E-04	7.61E-05	1.50E-04	8.98E-05	5.89E-05	8.34E-05	4.10E-05
4247	565081.1	4222811	0.000591	0.000782	2.80E-04	3.13E-04	8.57E-04	2.80E-04	7.76E-05	1.53E-04	9.16E-05	6.01E-05	8.50E-05	4.18E-05
4248	565067.5	4222807	0.000603	0.000797	2.86E-04	3.20E-04	8.74E-04	2.86E-04	7.92E-05	1.56E-04	9.34E-05	6.13E-05	8.67E-05	4.26E-05
4249	565026.4	4222795	0.00064	0.000846	3.03E-04	3.39E-04	9.28E-04	3.03E-04	8.41E-05	1.65E-04	9.92E-05	6.50E-05	9.21E-05	4.53E-05
4250	565012.8	4222791	0.000653	0.000863	3.09E-04	3.46E-04	9.46E-04	3.09E-04	8.57E-05	1.69E-04	1.01E-04	6.63E-05	9.39E-05	4.62E-05
4251	564999.1	4222788	0.000665	0.00088	3.15E-04	3.53E-04	9.65E-04	3.15E-04	8.74E-05	1.72E-04	1.03E-04	6.76E-05	9.57E-05	4.71E-05
4252	564988.7	4222779	0.000691	0.000914	3.27E-04	3.66E-04	1.00E-03	3.27E-04	9.08E-05	1.79E-04	1.07E-04	7.02E-05	9.94E-05	4.89E-05
4253	564981.7	4222767	0.000732	0.000968	3.47E-04	3.88E-04	1.06E-03	3.47E-04	9.61E-05	1.89E-04	1.13E-04	7.44E-05	1.05E-04	5.18E-05
4254	564974.7	4222755	0.000775	0.001026	3.67E-04	4.11E-04	1.12E-03	3.67E-04	1.02E-04	2.00E-04	1.20E-04	7.88E-05	1.12E-04	5.48E-05
4255	564967.7	4222742	0.000822	0.001087	3.89E-04	4.36E-04	1.19E-03	3.89E-04	1.08E-04	2.12E-04	1.27E-04	8.35E-05	1.18E-04	5.81E-05
4256	564960.7	4222730	0.00087	0.001151	4.12E-04	4.61E-04	1.26E-03	4.12E-04	1.14E-04	2.25E-04	1.35E-04	8.84E-05	1.25E-04	6.15E-05
4257	564953.7	4222718	0.000921	0.001218	4.36E-04	4.88E-04	1.34E-03	4.36E-04	1.21E-04	2.38E-04	1.43E-04	9.36E-05	1.33E-04	6.51E-05
4258	564946.7	4222705	0.000974	0.001289	4.62E-04	5.17E-04	1.41E-03	4.62E-04	1.28E-04	2.52E-04	1.51E-04	9.90E-05	1.40E-04	6.89E-05
4259	564939.7	4222693	0.001029	0.001361	4.88E-04	5.46E-04	1.49E-03	4.88E-04	1.35E-04	2.66E-04	1.60E-04	1.05E-04	1.48E-04	7.28E-05
4260	564932.7	4222681	0.001086	0.001436	5.14E-04	5.76E-04	1.57E-03	5.14E-04	1.43E-04	2.80E-04	1.68E-04	1.10E-04	1.56E-04	7.68E-05
4261	564925.7	4222668	0.001143	0.001512	5.42E-04	6.06E-04	1.66E-03	5.42E-04	1.50E-04	2.95E-04	1.77E-04	1.16E-04	1.64E-04	8.09E-05
4262	564918.6	4222656	0.001202	0.001589	5.69E-04	6.37E-04	1.74E-03	5.69E-04	1.58E-04	3.10E-04	1.86E-04	1.22E-04	1.73E-04	8.50E-05
4263	564904.6	4222631	0.001319	0.001744	6.25E-04	6.99E-04	1.91E-03	6.25E-04	1.73E-04	3.41E-04	2.04E-04	1.34E-04	1.90E-04	9.33E-05
4264	564897.6	4222619	0.001377	0.001821	6.52E-04	7.30E-04	2.00E-03	6.52E-04	1.81E-04	3.56E-04	2.13E-04	1.40E-04	1.98E-04	9.74E-05
4265	564890.6	4222606	0.001434	0.001896	6.79E-04	7.60E-04	2.08E-03	6.79E-04	1.88E-04	3.70E-04	2.22E-04	1.46E-04	2.06E-04	1.01E-04
4266	564883.6	4222594	0.001489	0.00197	7.06E-04	7.90E-04	2.16E-03	7.06E-04	1.96E-04	3.85E-04	2.31E-04	1.51E-04	2.14E-04	1.05E-04
4267	564876.6	4222582	0.001543	0.002041	7.31E-04	8.18E-04	2.24E-03	7.31E-04	2.03E-04	3.99E-04	2.39E-04	1.57E-04	2.22E-04	1.09E-04
4268	564869.6	4222569	0.001595	0.002109	7.55E-04	8.45E-04	2.31E-03	7.55E-04	2.09E-04	4.12E-04	2.47E-04	1.62E-04	2.29E-04	1.13E-04
4269	564862.6	4222557	0.001643	0.002173	7.78E-04	8.71E-04	2.38E-03	7.78E-04	2.16E-04	4.25E-04	2.55E-04	1.67E-04	2.36E-04	1.16E-04
4270	564855.6	4222545	0.001689	0.002234	8.00E-04	8.96E-04	2.45E-03	8.00E-04	2.22E-04	4.36E-04	2.62E-04	1.72E-04	2.43E-04	1.19E-04
4271	564848.5	4222532	0.001733	0.002292	8.21E-04	9.19E-04	2.51E-03	8.21E-04	2.28E-04	4.48E-04	2.69E-04	1.76E-04	2.49E-04	1.23E-04
4272	564827.5	4222495	0.001846	0.002441	8.74E-04	9.79E-04	2.68E-03	8.74E-04	2.42E-04	4.77E-04	2.86E-04	1.88E-04	2.66E-04	1.31E-04
4273	564820.5	4222483	0.001877	0.002482	8.89E-04	9.95E-04	2.72E-03	8.89E-04	2.46E-04	4.85E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
4274	564813.5	4222470	0.001904	0.002518	9.02E-04	1.01E-03	2.76E-03	9.02E-04	2.50E-04	4.92E-04	2.95E-04	1.93E-04	2.74E-04	1.35E-04

4275	565316.6	4222897	0.000428	0.000566	2.03E-04	2.27E-04	6.21E-04	2.03E-04	5.62E-05	1.11E-04	6.64E-05	4.35E-05	6.16E-05	3.03E-05
4276	565303.2	4222893	0.000431	0.00057	2.04E-04	2.29E-04	6.25E-04	2.04E-04	5.66E-05	1.11E-04	6.68E-05	4.38E-05	6.20E-05	3.05E-05
4277	565289.7	4222889	0.000435	0.000575	2.06E-04	2.30E-04	6.30E-04	2.06E-04	5.71E-05	1.12E-04	6.74E-05	4.42E-05	6.25E-05	3.07E-05
4278	565262.8	4222881	0.000443	0.000586	2.10E-04	2.35E-04	6.43E-04	2.10E-04	5.82E-05	1.15E-04	6.87E-05	4.51E-05	6.38E-05	3.14E-05
4279	565249.3	4222877	0.000449	0.000593	2.13E-04	2.38E-04	6.50E-04	2.13E-04	5.89E-05	1.16E-04	6.95E-05	4.56E-05	6.45E-05	3.17E-05
4280	565235.8	4222874	0.000454	0.000601	2.15E-04	2.41E-04	6.59E-04	2.15E-04	5.97E-05	1.17E-04	7.04E-05	4.62E-05	6.54E-05	3.21E-05
4281	565222.3	4222870	0.00046	0.000609	2.18E-04	2.44E-04	6.68E-04	2.18E-04	6.05E-05	1.19E-04	7.14E-05	4.68E-05	6.62E-05	3.26E-05
4282	565208.9	4222866	0.000467	0.000618	2.21E-04	2.48E-04	6.77E-04	2.21E-04	6.13E-05	1.21E-04	7.24E-05	4.75E-05	6.72E-05	3.30E-05
4283	565181.9	4222858	0.000481	0.000636	2.28E-04	2.55E-04	6.97E-04	2.28E-04	6.31E-05	1.24E-04	7.45E-05	4.89E-05	6.92E-05	3.40E-05
4284	565168.5	4222855	0.000488	0.000646	2.31E-04	2.59E-04	7.08E-04	2.31E-04	6.41E-05	1.26E-04	7.57E-05	4.96E-05	7.02E-05	3.45E-05
4285	565155	4222851	0.000496	0.000656	2.35E-04	2.63E-04	7.19E-04	2.35E-04	6.51E-05	1.28E-04	7.69E-05	5.04E-05	7.13E-05	3.51E-05
4286	565141.5	4222847	0.000504	0.000667	2.39E-04	2.67E-04	7.31E-04	2.39E-04	6.62E-05	1.30E-04	7.81E-05	5.12E-05	7.25E-05	3.57E-05
4287	565114.6	4222839	0.000521	0.00069	2.47E-04	2.76E-04	7.56E-04	2.47E-04	6.85E-05	1.35E-04	8.08E-05	5.30E-05	7.50E-05	3.69E-05
4288	565101.1	4222836	0.000531	0.000702	2.51E-04	2.81E-04	7.69E-04	2.51E-04	6.97E-05	1.37E-04	8.22E-05	5.39E-05	7.63E-05	3.75E-05
4289	565087.7	4222832	0.00054	0.000714	2.56E-04	2.86E-04	7.83E-04	2.56E-04	7.10E-05	1.40E-04	8.38E-05	5.49E-05	7.77E-05	3.82E-05
4290	565074.2	4222828	0.00055	0.000728	2.61E-04	2.92E-04	7.98E-04	2.61E-04	7.23E-05	1.42E-04	8.53E-05	5.59E-05	7.92E-05	3.89E-05
4291	565060.7	4222824	0.00056	0.000741	2.66E-04	2.97E-04	8.13E-04	2.66E-04	7.36E-05	1.45E-04	8.69E-05	5.70E-05	8.06E-05	3.96E-05
4292	565020.3	4222813	0.000593	0.000785	2.81E-04	3.15E-04	8.60E-04	2.81E-04	7.79E-05	1.53E-04	9.20E-05	6.03E-05	8.54E-05	4.20E-05
4293	565006.8	4222809	0.000605	0.0008	2.87E-04	3.21E-04	8.77E-04	2.87E-04	7.94E-05	1.56E-04	9.38E-05	6.15E-05	8.70E-05	4.28E-05
4294	564993.4	4222805	0.000616	0.000815	2.92E-04	3.27E-04	8.93E-04	2.92E-04	8.09E-05	1.59E-04	9.55E-05	6.26E-05	8.86E-05	4.36E-05
4295	564976.4	4222795	0.000645	0.000853	3.05E-04	3.42E-04	9.35E-04	3.05E-04	8.47E-05	1.67E-04	1.00E-04	6.55E-05	9.28E-05	4.56E-05
4296	564969.5	4222783	0.000681	0.000901	3.23E-04	3.61E-04	9.87E-04	3.23E-04	8.94E-05	1.76E-04	1.06E-04	6.92E-05	9.79E-05	4.82E-05
4297	564962.6	4222771	0.00072	0.000952	3.41E-04	3.81E-04	1.04E-03	3.41E-04	9.45E-05	1.86E-04	1.12E-04	7.31E-05	1.04E-04	5.09E-05
4298	564955.7	4222759	0.000761	0.001006	3.60E-04	4.03E-04	1.10E-03	3.60E-04	9.99E-05	1.96E-04	1.18E-04	7.73E-05	1.09E-04	5.38E-05
4299	564948.8	4222747	0.000804	0.001063	3.81E-04	4.26E-04	1.17E-03	3.81E-04	1.06E-04	2.08E-04	1.25E-04	8.17E-05	1.16E-04	5.68E-05
4300	564941.9	4222734	0.000849	0.001123	4.02E-04	4.50E-04	1.23E-03	4.02E-04	1.12E-04	2.19E-04	1.32E-04	8.63E-05	1.22E-04	6.01E-05
4301	564935	4222722	0.000897	0.001186	4.25E-04	4.75E-04	1.30E-03	4.25E-04	1.18E-04	2.32E-04	1.39E-04	9.11E-05	1.29E-04	6.34E-05
4302	564928.1	4222710	0.000946	0.001251	4.48E-04	5.01E-04	1.37E-03	4.48E-04	1.24E-04	2.44E-04	1.47E-04	9.61E-05	1.36E-04	6.69E-05
4303	564921.2	4222698	0.000996	0.001318	4.72E-04	5.28E-04	1.44E-03	4.72E-04	1.31E-04	2.57E-04	1.54E-04	1.01E-04	1.43E-04	7.05E-05
4304	564914.3	4222686	0.001048	0.001386	4.97E-04	5.56E-04	1.52E-03	4.97E-04	1.38E-04	2.71E-04	1.62E-04	1.07E-04	1.51E-04	7.41E-05
4305	564907.4	4222673	0.001101	0.001456	5.22E-04	5.84E-04	1.60E-03	5.22E-04	1.45E-04	2.84E-04	1.71E-04	1.12E-04	1.58E-04	7.79E-05
4306	564900.5	4222661	0.001154	0.001526	5.47E-04	6.12E-04	1.67E-03	5.47E-04	1.52E-04	2.98E-04	1.79E-04	1.17E-04	1.66E-04	8.16E-05
4307	564886.7	4222637	0.001261	0.001668	5.97E-04	6.69E-04	1.83E-03	5.97E-04	1.66E-04	3.26E-04	1.95E-04	1.28E-04	1.81E-04	8.92E-05
4308	564879.8	4222625	0.001314	0.001737	6.22E-04	6.96E-04	1.90E-03	6.22E-04	1.73E-04	3.39E-04	2.04E-04	1.33E-04	1.89E-04	9.29E-05
4309	564872.9	4222613	0.001365	0.001806	6.47E-04	7.24E-04	1.98E-03	6.47E-04	1.79E-04	3.53E-04	2.12E-04	1.39E-04	1.96E-04	9.66E-05
4310	564866	4222600	0.001416	0.001873	6.71E-04	7.51E-04	2.05E-03	6.71E-04	1.86E-04	3.66E-04	2.19E-04	1.44E-04	2.04E-04	1.00E-04
4311	564859.1	4222588	0.001465	0.001937	6.94E-04	7.77E-04	2.12E-03	6.94E-04	1.92E-04	3.78E-04	2.27E-04	1.49E-04	2.11E-04	1.04E-04
4312	564852.2	4222576	0.001512	0.002	7.16E-04	8.02E-04	2.19E-03	7.16E-04	1.99E-04	3.91E-04	2.34E-04	1.54E-04	2.17E-04	1.07E-04
4313	564845.3	4222564	0.001556	0.002058	7.37E-04	8.25E-04	2.26E-03	7.37E-04	2.04E-04	4.02E-04	2.41E-04	1.58E-04	2.24E-04	1.10E-04
4314	564838.4	4222552	0.001598	0.002114	7.57E-04	8.47E-04	2.32E-03	7.57E-04	2.10E-04	4.13E-04	2.48E-04	1.62E-04	2.30E-04	1.13E-04
4315	564831.5	4222540	0.001638	0.002166	7.76E-04	8.68E-04	2.37E-03	7.76E-04	2.15E-04	4.23E-04	2.54E-04	1.66E-04	2.36E-04	1.16E-04
4316	564824.6	4222527	0.001676	0.002216	7.94E-04	8.88E-04	2.43E-03	7.94E-04	2.20E-04	4.33E-04	2.60E-04	1.70E-04	2.41E-04	1.19E-04
4317	564796.9	4222479	0.001797	0.002376	8.51E-04	9.53E-04	2.61E-03	8.51E-04	2.36E-04	4.64E-04	2.79E-04	1.83E-04	2.58E-04	1.27E-04
4318	564790	4222466	0.00182	0.002407	8.62E-04	9.65E-04	2.64E-03	8.62E-04	2.39E-04	4.70E-04	2.82E-04	1.85E-04	2.62E-04	1.29E-04
4319	565318.8	4222916	0.000402	0.000532	1.91E-04	2.13E-04	5.83E-04	1.91E-04	5.28E-05	1.04E-04	6.23E-05	4.09E-05	5.78E-05	2.84E-05
4320	565305.3	4222913	0.000404	0.000535	1.92E-04	2.14E-04	5.86E-04	1.92E-04	5.31E-05	1.04E-04	6.27E-05	4.11E-05	5.82E-05	2.86E-05
4321	565291.8	4222909	0.000407	0.000539	1.93E-04	2.16E-04	5.91E-04	1.93E-04	5.35E-05	1.05E-04	6.31E-05	4.14E-05	5.86E-05	2.88E-05
4322	565264.7	4222901	0.000415	0.000549	1.97E-04	2.20E-04	6.01E-04	1.97E-04	5.45E-05	1.07E-04	6.43E-05	4.22E-05	5.97E-05	2.93E-05
4323	565251.2	4222897	0.000419	0.000555	1.99E-04	2.22E-04	6.08E-04	1.99E-04	5.51E-05	1.08E-04	6.50E-05	4.26E-05	6.03E-05	2.97E-05
4324	565237.7	4222893	0.000424	0.000561	2.01E-04	2.25E-04	6.15E-04	2.01E-04	5.57E-05	1.10E-04	6.58E-05	4.31E-05	6.10E-05	3.00E-05
4325	565224.2	4222890	0.00043	0.000568	2.04E-04	2.28E-04	6.23E-04	2.04E-04	5.64E-05	1.11E-04	6.66E-05	4.37E-05	6.18E-05	3.04E-05
4326	565210.7	4222886	0.000436	0.000576	2.06E-04	2.31E-04	6.31E-04	2.06E-04	5.72E-05	1.13E-04	6.75E-05	4.43E-05	6.26E-05	3.08E-05
4327	565183.7	4222878	0.000448	0.000592	2.12E-04	2.37E-04	6.49E-04	2.12E-04	5.88E-05	1.16E-04	6.94E-05	4.55E-05	6.44E-05	3.17E-05
4328	565170.2	4222874	0.000454	0.000601	2.15E-04	2.41E-04	6.59E-04	2.15E-04	5.97E-05	1.17E-04	7.04E-05	4.62E-05	6.53E-05	3.21E-05
4329	565156.7	4222871	0.000461	0.00061	2.18E-04	2.44E-04	6.68E-04	2.18E-04	6.05E-05	1.19E-04	7.15E-05	4.68E-05	6.63E-05	3.26E-05
4330	565143.2	4222867	0.000468	0.000619	2.22E-04	2.48E-04	6.79E-04	2.22E-04	6.15E-05	1.21E-04	7.26E-05	4.76E-05	6.73E-05	3.31E-05
4331	565116.1	4222859	0.000483	0.000639	2.29E-04	2.56E-04	7.01E-04	2.29E-04	6.35E-05	1.25E-04	7.49E-05	4.91E-05	6.95E-05	3.42E-05
4332	565102.6	4222855	0.000491	0.00065	2.33E-04	2.60E-04	7.12E-04	2.33E-04	6.45E-05	1.27E-04	7.61E-05	4.99E-05	7.07E-05	3.47E-05
4333	565089.1	4222851	0.0005	0.000661	2.37E-04	2.65E-04	7.24E-04	2.37E-04	6.56E-05	1.29E-04	7.75E-05	5.08E-05	7.19E-05	3.53E-05
4334	565075.6	4222848	0.000508	0.000672	2.41E-04	2.70E-04	7.37E-04	2.41E-04	6.68E-05	1.31E-04	7.88E-05	5.17E-05	7.31E-05	3.60E-05
4335	565062.1	4222844	0.000517	0.000684	2.45E-04	2.74E-04	7.50E-04	2.45E-04	6.79E-05	1.34E-04	8.02E-05	5.26E-05	7.44E-05	3.66E-05
4336	565048.6	4222840	0.000527	0.000696	2.50E-04	2.79E-04	7.64E-04	2.50E-04	6.92E-05	1.36E-04	8.16E-05	5.35E-05	7.58E-05	3.72E-05
4337	565021.6	4222832	0.000546	0.000722	2.59E-04	2.90E-04	7.92E-04	2.59E-04	7.17E-05	1.41E-04	8.47E-05	5.55E-05	7.86E-05	3.86E-05
4338	565008.1	4222829	0.000556	0.000736	2.64E-04	2.95E-04	8.07E-04	2.64E-04	7.31E-05	1.44E-04	8.63E-05	5.66E-05	8.00E-05	3.94E-05
4339	564994.6	4222825	0.000567	0.00075	2.69E-04	3.01E-04	8.22E-04	2.69E-04	7.44E-05	1.46E-04	8.79E-05	5.76E-05	8.15E-05	4.01E-05
4340	564981.1	4222821	0.000577	0.000763	2.73E-04	3.06E-04	8.37E-04	2.73E-04	7.58E-05	1.49E-04	8.95E-05	5.87E-05	8.30E-05	4.08E-05
4341	564964.1	4222811	0.000603	0.000798	2.86E-04	3.20E-04	8.75E-04	2.86E-04	7.92E-05	1.56E-04	9.35E-05	6.13E-05	8.68E-05	4.27E-05
4342	564957.2	4222799	0.000636	0.000841	3.01E-04	3.37E-04	9.22E-04	3.01E-04	8.35E-05	1.64E-04	9.86E-05	6.46E-05	9.15E-05	4.50E-05
4343	564950.2	4222787	0.000671	0.000888	3.18E-04	3.56E-04	9.73E-04	3.18E-04	8.81E-05	1.73E-04	1.04E-04	6.82E-05	9.65E-05	4.75E-05
4344	564943.3	4222774	0.000708	0.000937	3.36E-04	3.76E-04	1.03E-03	3.36E-04	9.30E-05	1.83E-04	1.10E-04	7.20E-05	1.02E-04	5.01E-05
4345	564936.4	4222762	0.000748	0.000989	3.54E-04	3.97E-04	1.08E-03	3.54E-04	9.82E-05	1.93E-04	1.16E-04	7.60E-05	1.08E-04	5.29E-05
4346	564929.5	4222750	0.000789	0.001044	3.74E-04	4.18E-04	1.14E-03	3.74E-04	1.04E-04	2.04E-04	1.22E-04	8.02E-05	1.14E-04	5.58E-05
4347	564922.6	4222738	0.000833	0.001101	3.94E-04	4.41E-04	1.21E-03	3.94E-04	1.09E-04	2.15E-04	1.29E-04	8.46E-05	1.20E-04	5.89E-05
4348	564915.6	4222725	0.000878	0.001161	4.16E-04	4.65E-04	1.27E-03	4.16E-04	1.15E-04	2.27E-04	1.36E-04	8.92E-05	1.26E-04	6.21E-05
4349	564908.7	4222713	0.000924	0.001222	4.38E-04	4.90E-04	1.34E-03	4.38E-04	1.21E-04	2.39E-04	1.43E-04	9.39E-05	1.33E-04	6.54E-05
4350	564901.8	4222701	0.000972	0.001285	4.60E-04	5.15E-04	1.41E-03	4.60E-04	1.28E-04	2.51E-04	1.51E-04	9.88E-05	1.40E-04	6.87E-05
4351	564894.9	4222689	0.001021	0.00135	4.83E-04	5.41E-04	1.48E-03	4.83E-04	1.34E-04	2.64E-04	1.58E-04	1.04E-04	1.47E-04	7.22E-05
4352	564887.9	4222677	0.00107	0.001415	5.07E-04	5.67E-04	1.55E-03	5.07E-04	1.40E-04	2.76E-04	1.66E-04	1.09E-04	1.54E-04	7.57E-05
4353	564881	4222664	0.00112	0.001481	5.30E-04	5.94E-04	1.62E-03	5.30E-04	1.47E-04	2.89E-04	1.74E-04	1.14E-04	1.61E-04	7.92E-05
4354	564874.1	4222652	0.001169	0.001546	5.54E-04	6.20E-04	1.70E-03	5.54E-04	1.54E-04	3.02E-04	1.81E-04	1.19E-04	1.68E-04	8.27E-05
4355	564867.2	4222640	0.001219	0.001612	5.77E-04	6.46E-04	1.77E-03	5.77E-04	1.60E-04	3.15E-04	1.89E-04	1.24E-04	1.75E-04	8.62E-05
4356	564860.2	4222628	0.001267	0.001676	6.00E-04	6.72E-04	1.84E-03	6.00E-04	1.66E-04	3.27E-04	1.96E-04	1.29E-04	1.82E-04	8.96E-05
4357	564853.3	4222616	0.001315	0.001739	6.23E-04	6.97E-04	1.91E-03	6.23E-04	1.73E-04	3.40E-04	2.04E-04	1.34E-04	1.89E-04	9.30E-05
4358	564846.4	4222603	0.001361	0.0018	6.45E-04	7.22E-04	1.97E-03	6.45E-04	1.79E-04	3.52E-04	2.11E-04	1.38E-04	1.96E-04	9.63E-05
4359	564839.5	4222591	0.001406	0.00186	6.66E-04	7.46E-04	2.04E-03	6.66E-04	1.85E-04	3.63E-04	2.18E-04	1.43E-04	2.02E-04	9.95E-05
4360	564832.5	4222579	0.00145	0.001917	6.87E-04	7.69E-04	2.10E-03	6.87E-04	1.90E-04	3.74E-04	2.25E-04	1.47E-04	2.09E-04	1.03E-04
4361	564825.6	4222567	0.00149	0.001971	7.06E-04	7.90E-04	2.16E-03	7.06E-04	1.96E-04	3.85E-04	2.31E-04	1.51E-04	2.14E-04	1.05E-04
4362	564818.7	4222555	0.001529	0.002021	7.24E-04	8.10E-04	2.22E-03	7.24E-04	2.01E-04	3.95E-04	2.37E-04	1.55E-04	2.20E-04	1.08E-04
4363	564811.8	4222542	0.001565	0.002069	7.41E-04	8.30E-04	2.27E-03	7.41E-04	2.05E-04	4.04E-04	2.43E-04	1.59E-04	2.25E-04	1.11E-04
4364	564784.1	4222493	0.001686	0.00223	7.99E-04	8.94E-04	2.44E-03	7.99E-04	2.21E-04	4.36E-04	2.61E-04	1.71E-04	2.43E-04	1.19E-04
4365	564777.1	4222481	0.00171	0.002261	8.10E-04	9.06E-04	2.48E-03	8.10E-04	2.25E-04	4.42E-04	2.65E-04	1.74E-04	2.46E-04	1.21E-04

4366	564770.2	4222469	0.001731	0.002289	8.20E-04	9.18E-04	2.51E-03	8.20E-04	2.27E-04	4.47E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
4367	565320.9	4222936	0.000378	0.000501	1.79E-04	2.01E-04	5.49E-04	1.79E-04	4.97E-05	9.78E-05	5.87E-05	3.85E-05	5.44E-05	2.68E-05
4368	565307.4	4222932	0.00038	0.000503	1.80E-04	2.02E-04	5.52E-04	1.80E-04	5.00E-05	9.83E-05	5.90E-05	3.87E-05	5.47E-05	2.69E-05
4369	565293.8	4222929	0.000383	0.000506	1.81E-04	2.03E-04	5.55E-04	1.81E-04	5.03E-05	9.89E-05	5.93E-05	3.89E-05	5.51E-05	2.71E-05
4370	565266.7	4222921	0.000389	0.000515	1.84E-04	2.06E-04	5.64E-04	1.84E-04	5.11E-05	1.01E-04	6.03E-05	3.96E-05	5.60E-05	2.75E-05
4371	565253.2	4222917	0.000393	0.00052	1.86E-04	2.08E-04	5.70E-04	1.86E-04	5.16E-05	1.02E-04	6.09E-05	4.00E-05	5.66E-05	2.78E-05
4372	565239.7	4222913	0.000398	0.000526	1.88E-04	2.11E-04	5.76E-04	1.88E-04	5.22E-05	1.03E-04	6.16E-05	4.04E-05	5.72E-05	2.81E-05
4373	565226.1	4222909	0.000402	0.000532	1.91E-04	2.13E-04	5.83E-04	1.91E-04	5.28E-05	1.04E-04	6.24E-05	4.09E-05	5.79E-05	2.85E-05
4374	565212.6	4222906	0.000407	0.000539	1.93E-04	2.16E-04	5.91E-04	1.93E-04	5.35E-05	1.05E-04	6.31E-05	4.14E-05	5.86E-05	2.88E-05
4375	565185.5	4222898	0.000418	0.000553	1.98E-04	2.22E-04	6.06E-04	1.98E-04	5.49E-05	1.08E-04	6.49E-05	4.25E-05	6.02E-05	2.96E-05
4376	565171.9	4222894	0.000424	0.000561	2.01E-04	2.25E-04	6.15E-04	2.01E-04	5.57E-05	1.10E-04	6.57E-05	4.31E-05	6.10E-05	3.00E-05
4377	565158.4	4222890	0.00043	0.000569	2.04E-04	2.28E-04	6.24E-04	2.04E-04	5.65E-05	1.11E-04	6.67E-05	4.37E-05	6.19E-05	3.04E-05
4378	565144.8	4222886	0.000436	0.000577	2.07E-04	2.31E-04	6.33E-04	2.07E-04	5.73E-05	1.13E-04	6.76E-05	4.43E-05	6.28E-05	3.09E-05
4379	565117.7	4222879	0.00045	0.000595	2.13E-04	2.38E-04	6.52E-04	2.13E-04	5.90E-05	1.16E-04	6.97E-05	4.57E-05	6.47E-05	3.18E-05
4380	565104.2	4222875	0.000457	0.000604	2.16E-04	2.42E-04	6.62E-04	2.16E-04	6.00E-05	1.18E-04	7.08E-05	4.64E-05	6.57E-05	3.23E-05
4381	565090.7	4222871	0.000464	0.000613	2.20E-04	2.46E-04	6.73E-04	2.20E-04	6.09E-05	1.20E-04	7.19E-05	4.71E-05	6.67E-05	3.28E-05
4382	565077.1	4222867	0.000471	0.000623	2.23E-04	2.50E-04	6.83E-04	2.23E-04	6.19E-05	1.22E-04	7.31E-05	4.79E-05	6.78E-05	3.33E-05
4383	565063.6	4222863	0.000479	0.000634	2.27E-04	2.54E-04	6.95E-04	2.27E-04	6.29E-05	1.24E-04	7.43E-05	4.87E-05	6.89E-05	3.39E-05
4384	565050	4222860	0.000487	0.000645	2.31E-04	2.58E-04	7.07E-04	2.31E-04	6.40E-05	1.26E-04	7.56E-05	4.95E-05	7.01E-05	3.45E-05
4385	565022.9	4222852	0.000505	0.000667	2.39E-04	2.68E-04	7.32E-04	2.39E-04	6.63E-05	1.30E-04	7.82E-05	5.13E-05	7.26E-05	3.57E-05
4386	565009.4	4222848	0.000514	0.000679	2.43E-04	2.72E-04	7.45E-04	2.43E-04	6.75E-05	1.33E-04	7.96E-05	5.22E-05	7.39E-05	3.63E-05
4387	564995.8	4222844	0.000523	0.000691	2.48E-04	2.77E-04	7.58E-04	2.48E-04	6.87E-05	1.35E-04	8.11E-05	5.31E-05	7.52E-05	3.70E-05
4388	564982.3	4222840	0.000532	0.000704	2.52E-04	2.82E-04	7.72E-04	2.52E-04	6.99E-05	1.38E-04	8.25E-05	5.41E-05	7.66E-05	3.76E-05
4389	564968.8	4222837	0.000542	0.000717	2.57E-04	2.87E-04	7.86E-04	2.57E-04	7.12E-05	1.40E-04	8.40E-05	5.51E-05	7.79E-05	3.83E-05
4390	564951.7	4222827	0.000566	0.000748	2.68E-04	3.00E-04	8.20E-04	2.68E-04	7.43E-05	1.46E-04	8.77E-05	5.75E-05	8.14E-05	4.00E-05
4391	564944.8	4222814	0.000596	0.000788	2.82E-04	3.16E-04	8.63E-04	2.82E-04	7.82E-05	1.54E-04	9.23E-05	6.05E-05	8.57E-05	4.21E-05
4392	564937.9	4222802	0.000628	0.00083	2.97E-04	3.33E-04	9.10E-04	2.97E-04	8.24E-05	1.62E-04	9.73E-05	6.38E-05	9.03E-05	4.44E-05
4393	564930.9	4222790	0.000662	0.000875	3.13E-04	3.51E-04	9.59E-04	3.13E-04	8.69E-05	1.71E-04	1.03E-04	6.72E-05	9.52E-05	4.68E-05
4394	564924	4222778	0.000698	0.000923	3.30E-04	3.70E-04	1.01E-03	3.30E-04	9.16E-05	1.80E-04	1.08E-04	7.09E-05	1.00E-04	4.93E-05
4395	564917	4222765	0.000735	0.000973	3.48E-04	3.90E-04	1.07E-03	3.48E-04	9.66E-05	1.90E-04	1.14E-04	7.47E-05	1.06E-04	5.20E-05
4396	564910.1	4222753	0.000775	0.001025	3.67E-04	4.11E-04	1.12E-03	3.67E-04	1.02E-04	2.00E-04	1.20E-04	7.88E-05	1.11E-04	5.48E-05
4397	564903.1	4222741	0.000816	0.00108	3.87E-04	4.33E-04	1.18E-03	3.87E-04	1.07E-04	2.11E-04	1.27E-04	8.30E-05	1.17E-04	5.77E-05
4398	564896.2	4222729	0.000859	0.001136	4.07E-04	4.55E-04	1.25E-03	4.07E-04	1.13E-04	2.22E-04	1.33E-04	8.73E-05	1.24E-04	6.07E-05
4399	564889.3	4222716	0.000903	0.001194	4.28E-04	4.79E-04	1.31E-03	4.28E-04	1.19E-04	2.33E-04	1.40E-04	9.18E-05	1.30E-04	6.39E-05
4400	564882.3	4222704	0.000948	0.001254	4.49E-04	5.03E-04	1.37E-03	4.49E-04	1.24E-04	2.45E-04	1.47E-04	9.63E-05	1.36E-04	6.70E-05
4401	564875.4	4222692	0.000994	0.001314	4.71E-04	5.27E-04	1.44E-03	4.71E-04	1.31E-04	2.57E-04	1.54E-04	1.01E-04	1.43E-04	7.03E-05
4402	564868.4	4222680	0.00104	0.001375	4.93E-04	5.51E-04	1.51E-03	4.93E-04	1.37E-04	2.69E-04	1.61E-04	1.06E-04	1.50E-04	7.35E-05
4403	564861.5	4222667	0.001086	0.001437	5.15E-04	5.76E-04	1.57E-03	5.15E-04	1.43E-04	2.81E-04	1.68E-04	1.10E-04	1.56E-04	7.68E-05
4404	564854.5	4222655	0.001132	0.001498	5.37E-04	6.00E-04	1.64E-03	5.37E-04	1.49E-04	2.93E-04	1.76E-04	1.15E-04	1.63E-04	8.01E-05
4405	564840.7	4222631	0.001223	0.001618	5.80E-04	6.49E-04	1.77E-03	5.80E-04	1.61E-04	3.16E-04	1.90E-04	1.24E-04	1.76E-04	8.65E-05
4406	564833.7	4222619	0.001267	0.001676	6.00E-04	6.72E-04	1.84E-03	6.00E-04	1.66E-04	3.27E-04	1.96E-04	1.29E-04	1.82E-04	8.96E-05
4407	564826.8	4222606	0.00131	0.001733	6.21E-04	6.95E-04	1.90E-03	6.21E-04	1.72E-04	3.38E-04	2.03E-04	1.33E-04	1.88E-04	9.26E-05
4408	564819.8	4222594	0.001351	0.001787	6.40E-04	7.16E-04	1.96E-03	6.40E-04	1.77E-04	3.49E-04	2.09E-04	1.37E-04	1.94E-04	9.56E-05
4409	564812.9	4222582	0.001391	0.00184	6.59E-04	7.37E-04	2.02E-03	6.59E-04	1.83E-04	3.59E-04	2.16E-04	1.41E-04	2.00E-04	9.84E-05
4410	564799	4222557	0.001463	0.001935	6.93E-04	7.76E-04	2.12E-03	6.93E-04	1.92E-04	3.78E-04	2.27E-04	1.49E-04	2.10E-04	1.03E-04
4411	564792.1	4222545	0.001496	0.001979	7.09E-04	7.93E-04	2.17E-03	7.09E-04	1.96E-04	3.87E-04	2.32E-04	1.52E-04	2.15E-04	1.06E-04
4412	564785.1	4222533	0.001527	0.00202	7.24E-04	8.10E-04	2.21E-03	7.24E-04	2.01E-04	3.95E-04	2.37E-04	1.55E-04	2.20E-04	1.08E-04
4413	564778.2	4222521	0.001556	0.002058	7.37E-04	8.25E-04	2.26E-03	7.37E-04	2.04E-04	4.02E-04	2.41E-04	1.58E-04	2.24E-04	1.10E-04
4414	564757.3	4222484	0.001629	0.002154	7.72E-04	8.63E-04	2.36E-03	7.72E-04	2.14E-04	4.21E-04	2.52E-04	1.66E-04	2.34E-04	1.15E-04
4415	564750.4	4222472	0.001648	0.002179	7.81E-04	8.74E-04	2.39E-03	7.81E-04	2.16E-04	4.26E-04	2.55E-04	1.67E-04	2.37E-04	1.17E-04
4416	565323.1	4222956	0.000357	0.000472	1.69E-04	1.89E-04	5.18E-04	1.69E-04	4.69E-05	9.23E-05	5.54E-05	3.63E-05	5.14E-05	2.53E-05
4417	565309.5	4222952	0.000359	0.000474	1.70E-04	1.90E-04	5.20E-04	1.70E-04	4.71E-05	9.27E-05	5.56E-05	3.65E-05	5.16E-05	2.54E-05
4418	565295.9	4222948	0.000361	0.000477	1.71E-04	1.91E-04	5.23E-04	1.71E-04	4.74E-05	9.32E-05	5.59E-05	3.67E-05	5.19E-05	2.55E-05
4419	565268.8	4222941	0.000366	0.000484	1.73E-04	1.94E-04	5.31E-04	1.73E-04	4.81E-05	9.46E-05	5.68E-05	3.72E-05	5.27E-05	2.59E-05
4420	565255.2	4222937	0.00037	0.000489	1.75E-04	1.96E-04	5.36E-04	1.75E-04	4.85E-05	9.55E-05	5.73E-05	3.76E-05	5.32E-05	2.61E-05
4421	565241.6	4222933	0.000373	0.000494	1.77E-04	1.98E-04	5.41E-04	1.77E-04	4.90E-05	9.65E-05	5.79E-05	3.79E-05	5.37E-05	2.64E-05
4422	565228	4222929	0.000378	0.000499	1.79E-04	2.00E-04	5.47E-04	1.79E-04	4.96E-05	9.75E-05	5.85E-05	3.84E-05	5.43E-05	2.67E-05
4423	565214.4	4222925	0.000382	0.000505	1.81E-04	2.03E-04	5.54E-04	1.81E-04	5.02E-05	9.87E-05	5.92E-05	3.88E-05	5.50E-05	2.70E-05
4424	565187.3	4222918	0.000392	0.000518	1.86E-04	2.08E-04	5.68E-04	1.86E-04	5.15E-05	1.01E-04	6.07E-05	3.98E-05	5.64E-05	2.77E-05
4425	565173.7	4222914	0.000397	0.000525	1.88E-04	2.11E-04	5.76E-04	1.88E-04	5.21E-05	1.03E-04	6.16E-05	4.04E-05	5.71E-05	2.81E-05
4426	565160.1	4222910	0.000403	0.000532	1.91E-04	2.13E-04	5.84E-04	1.91E-04	5.29E-05	1.04E-04	6.24E-05	4.09E-05	5.79E-05	2.85E-05
4427	565146.6	4222906	0.000408	0.00054	1.93E-04	2.16E-04	5.92E-04	1.93E-04	5.36E-05	1.05E-04	6.33E-05	4.15E-05	5.87E-05	2.89E-05
4428	565133	4222902	0.000414	0.000547	1.96E-04	2.19E-04	6.00E-04	1.96E-04	5.43E-05	1.07E-04	6.41E-05	4.21E-05	5.95E-05	2.93E-05
4429	565119.4	4222898	0.00042	0.000555	1.99E-04	2.23E-04	6.09E-04	1.99E-04	5.51E-05	1.08E-04	6.51E-05	4.27E-05	6.04E-05	2.97E-05
4430	565105.8	4222895	0.000426	0.000563	2.02E-04	2.26E-04	6.17E-04	2.02E-04	5.59E-05	1.10E-04	6.60E-05	4.33E-05	6.13E-05	3.01E-05
4431	565092.2	4222891	0.000432	0.000572	2.05E-04	2.29E-04	6.27E-04	2.05E-04	5.68E-05	1.12E-04	6.70E-05	4.39E-05	6.22E-05	3.06E-05
4432	565078.7	4222887	0.000439	0.00058	2.08E-04	2.33E-04	6.36E-04	2.08E-04	5.76E-05	1.13E-04	6.80E-05	4.46E-05	6.31E-05	3.10E-05
4433	565065.1	4222883	0.000446	0.000589	2.11E-04	2.36E-04	6.46E-04	2.11E-04	5.85E-05	1.15E-04	6.91E-05	4.53E-05	6.41E-05	3.15E-05
4434	565051.5	4222879	0.000453	0.000599	2.14E-04	2.40E-04	6.56E-04	2.14E-04	5.95E-05	1.17E-04	7.02E-05	4.60E-05	6.51E-05	3.20E-05
4435	565024.3	4222872	0.000468	0.000619	2.22E-04	2.48E-04	6.78E-04	2.22E-04	6.14E-05	1.21E-04	7.25E-05	4.75E-05	6.73E-05	3.31E-05
4436	565010.8	4222868	0.000476	0.000629	2.25E-04	2.52E-04	6.90E-04	2.25E-04	6.25E-05	1.23E-04	7.37E-05	4.83E-05	6.84E-05	3.36E-05
4437	564997.2	4222864	0.000484	0.00064	2.29E-04	2.57E-04	7.02E-04	2.29E-04	6.36E-05	1.25E-04	7.50E-05	4.92E-05	6.96E-05	3.42E-05
4438	564983.6	4222860	0.000492	0.000651	2.33E-04	2.61E-04	7.14E-04	2.33E-04	6.47E-05	1.27E-04	7.63E-05	5.00E-05	7.08E-05	3.48E-05
4439	564970	4222856	0.000501	0.000663	2.37E-04	2.66E-04	7.26E-04	2.37E-04	6.58E-05	1.29E-04	7.77E-05	5.09E-05	7.21E-05	3.54E-05
4440	564956.4	4222852	0.00051	0.000674	2.42E-04	2.70E-04	7.39E-04	2.42E-04	6.70E-05	1.32E-04	7.90E-05	5.18E-05	7.33E-05	3.61E-05
4441	564939.4	4222842	0.000532	0.000703	2.52E-04	2.82E-04	7.71E-04	2.52E-04	6.98E-05	1.37E-04	8.24E-05	5.40E-05	7.65E-05	3.76E-05
4442	564932.4	4222830	0.000559	0.000739	2.65E-04	2.96E-04	8.10E-04	2.65E-04	7.34E-05	1.44E-04	8.67E-05	5.68E-05	8.04E-05	3.95E-05
4443	564925.5	4222818	0.000588	0.000778	2.79E-04	3.12E-04	8.53E-04	2.79E-04	7.73E-05	1.52E-04	9.12E-05	5.98E-05	8.46E-05	4.16E-05
4444	564918.5	4222806	0.000619	0.000819	2.93E-04	3.28E-04	8.98E-04	2.93E-04	8.13E-05	1.60E-04	9.60E-05	6.29E-05	8.91E-05	4.38E-05
4445	564911.5	4222793	0.000652	0.000863	3.09E-04	3.46E-04	9.46E-04	3.09E-04	8.57E-05	1.69E-04	1.01E-04	6.63E-05	9.38E-05	4.61E-05
4446	564904.6	4222781	0.000687	0.000908	3.25E-04	3.64E-04	9.96E-04	3.25E-04	9.02E-05	1.77E-04	1.06E-04	6.98E-05	9.88E-05	4.86E-05
4447	564897.6	4222769	0.000723	0.000956	3.43E-04	3.83E-04	1.05E-03	3.43E-04	9.50E-05	1.87E-04	1.12E-04	7.35E-05	1.04E-04	5.11E-05
4448	564890.7	4222756	0.000761	0.001007	3.61E-04	4.04E-04	1.10E-03	3.61E-04	9.99E-05	1.97E-04	1.18E-04	7.73E-05	1.09E-04	5.38E-05
4449	564883.7	4222744	0.0008	0.001059	3.79E-04	4.24E-04	1.16E-03	3.79E-04	1.05E-04	2.07E-04	1.24E-04	8.13E-05	1.15E-04	5.66E-05
4450	564876.7	4222732	0.000841	0.001112	3.98E-04	4.46E-04	1.22E-03	3.98E-04	1.10E-04	2.17E-04	1.30E-04	8.55E-05	1.21E-04	5.95E-05
4451	564869.8	4222720	0.000882	0.001167	4.18E-04	4.68E-04	1.28E-03	4.18E-04	1.16E-04	2.28E-04	1.37E-04	8.97E-05	1.27E-04	6.24E-05
4452	564862.8	4222707	0.000925	0.001223	4.38E-04	4.90E-04	1.34E-03	4.38E-04	1.21E-04	2.39E-04	1.43E-04	9.40E-05	1.33E-04	6.54E-05
4453	564855.9	4222695	0.000968	0.00128	4.59E-04	5.13E-04	1.40E-03	4.59E-04	1.27E-04	2.50E-04	1.50E-04	9.84E-05	1.39E-04	6.84E-05
4454	564848.9	4222683	0.001011	0.001337	4.79E-04	5.36E-04	1.47E-03	4.79E-04	1.33E-04	2.61E-04	1.57E-04	1.03E-04	1.45E-04	7.15E-05
4455	564841.9	4222671	0.001054	0.001394	4.99E-04	5.59E-04	1.53E-03	4.99E-04	1.38E-04	2.72E-04	1.63E-04	1.07E-04	1.52E-04	7.46E-05
4456	564835	4222658	0.001097	0.001451	5.20E-04	5.82E-04	1.59E-03	5.20E-04	1.44E-04	2.83E-04	1.70E-04	1.12E-04	1.58E-04	7.76E-05

4457	564821.1	4222634	0.001182	0.001563	5.60E-04	6.26E-04	1.71E-03	5.60E-04	1.55E-04	3.05E-04	1.83E-04	1.20E-04	1.70E-04	8.36E-05
4458	564800.2	4222597	0.0013	0.001719	6.16E-04	6.89E-04	1.88E-03	6.16E-04	1.71E-04	3.36E-04	2.01E-04	1.32E-04	1.87E-04	9.19E-05
4459	564793.2	4222585	0.001336	0.001767	6.33E-04	7.08E-04	1.94E-03	6.33E-04	1.75E-04	3.45E-04	2.07E-04	1.36E-04	1.92E-04	9.45E-05
4460	564786.3	4222572	0.00137	0.001812	6.49E-04	7.27E-04	1.99E-03	6.49E-04	1.80E-04	3.54E-04	2.12E-04	1.39E-04	1.97E-04	9.69E-05
4461	564779.3	4222560	0.001402	0.001855	6.64E-04	7.44E-04	2.03E-03	6.64E-04	1.84E-04	3.62E-04	2.17E-04	1.43E-04	2.02E-04	9.92E-05
4462	564772.3	4222548	0.001432	0.001894	6.79E-04	7.59E-04	2.08E-03	6.79E-04	1.88E-04	3.70E-04	2.22E-04	1.46E-04	2.06E-04	1.01E-04
4463	564765.4	4222535	0.001461	0.001932	6.92E-04	7.75E-04	2.12E-03	6.92E-04	1.92E-04	3.77E-04	2.27E-04	1.48E-04	2.10E-04	1.03E-04
4464	564758.4	4222523	0.001488	0.001967	7.05E-04	7.89E-04	2.16E-03	7.05E-04	1.95E-04	3.84E-04	2.31E-04	1.51E-04	2.14E-04	1.05E-04
4465	564737.5	4222486	0.001554	0.002055	7.36E-04	8.24E-04	2.25E-03	7.36E-04	2.04E-04	4.01E-04	2.41E-04	1.58E-04	2.23E-04	1.10E-04
4466	565325.2	4222976	0.000338	0.000447	1.60E-04	1.79E-04	4.90E-04	1.60E-04	4.43E-05	8.72E-05	5.23E-05	3.43E-05	4.86E-05	2.39E-05
4467	565311.6	4222972	0.000339	0.000448	1.61E-04	1.80E-04	4.91E-04	1.61E-04	4.45E-05	8.76E-05	5.26E-05	3.45E-05	4.88E-05	2.40E-05
4468	565298	4222968	0.000341	0.000451	1.61E-04	1.81E-04	4.94E-04	1.61E-04	4.47E-05	8.80E-05	5.28E-05	3.46E-05	4.90E-05	2.41E-05
4469	565270.8	4222960	0.000345	0.000457	1.64E-04	1.83E-04	5.01E-04	1.64E-04	4.53E-05	8.92E-05	5.35E-05	3.51E-05	4.97E-05	2.44E-05
4470	565257.2	4222957	0.000348	0.000461	1.65E-04	1.85E-04	5.05E-04	1.65E-04	4.57E-05	9.00E-05	5.40E-05	3.54E-05	5.01E-05	2.46E-05
4471	565243.6	4222953	0.000352	0.000465	1.67E-04	1.86E-04	5.10E-04	1.67E-04	4.62E-05	9.08E-05	5.45E-05	3.57E-05	5.06E-05	2.49E-05
4472	565230	4222949	0.000355	0.00047	1.68E-04	1.88E-04	5.15E-04	1.68E-04	4.67E-05	9.18E-05	5.51E-05	3.61E-05	5.11E-05	2.51E-05
4473	565216.4	4222945	0.000359	0.000475	1.70E-04	1.90E-04	5.21E-04	1.70E-04	4.72E-05	9.28E-05	5.57E-05	3.65E-05	5.17E-05	2.54E-05
4474	565189.1	4222937	0.000368	0.000487	1.74E-04	1.95E-04	5.34E-04	1.74E-04	4.83E-05	9.51E-05	5.71E-05	3.74E-05	5.29E-05	2.60E-05
4475	565175.5	4222934	0.000373	0.000493	1.77E-04	1.98E-04	5.40E-04	1.77E-04	4.89E-05	9.63E-05	5.78E-05	3.79E-05	5.36E-05	2.64E-05
4476	565161.9	4222930	0.000378	0.000499	1.79E-04	2.00E-04	5.47E-04	1.79E-04	4.96E-05	9.75E-05	5.85E-05	3.84E-05	5.43E-05	2.67E-05
4477	565148.3	4222926	0.000383	0.000506	1.81E-04	2.03E-04	5.55E-04	1.81E-04	5.02E-05	9.88E-05	5.93E-05	3.89E-05	5.50E-05	2.71E-05
4478	565134.7	4222922	0.000388	0.000513	1.84E-04	2.06E-04	5.62E-04	1.84E-04	5.09E-05	1.00E-04	6.01E-05	3.94E-05	5.58E-05	2.74E-05
4479	565107.5	4222914	0.000398	0.000527	1.89E-04	2.11E-04	5.78E-04	1.89E-04	5.23E-05	1.03E-04	6.18E-05	4.05E-05	5.73E-05	2.82E-05
4480	565093.9	4222910	0.000404	0.000534	1.91E-04	2.14E-04	5.86E-04	1.91E-04	5.31E-05	1.04E-04	6.26E-05	4.11E-05	5.81E-05	2.86E-05
4481	565080.2	4222907	0.00041	0.000542	1.94E-04	2.17E-04	5.94E-04	1.94E-04	5.38E-05	1.06E-04	6.35E-05	4.16E-05	5.89E-05	2.90E-05
4482	565066.6	4222903	0.000416	0.00055	1.97E-04	2.20E-04	6.03E-04	1.97E-04	5.46E-05	1.07E-04	6.45E-05	4.23E-05	5.98E-05	2.94E-05
4483	565053	4222899	0.000422	0.000558	2.00E-04	2.24E-04	6.12E-04	2.00E-04	5.54E-05	1.09E-04	6.54E-05	4.29E-05	6.07E-05	2.98E-05
4484	565025.8	4222891	0.000435	0.000576	2.06E-04	2.31E-04	6.31E-04	2.06E-04	5.72E-05	1.12E-04	6.75E-05	4.42E-05	6.26E-05	3.08E-05
4485	565012.2	4222887	0.000442	0.000585	2.09E-04	2.34E-04	6.41E-04	2.09E-04	5.81E-05	1.14E-04	6.85E-05	4.49E-05	6.36E-05	3.13E-05
4486	564998.6	4222884	0.000449	0.000594	2.13E-04	2.38E-04	6.52E-04	2.13E-04	5.90E-05	1.16E-04	6.97E-05	4.57E-05	6.46E-05	3.18E-05
4487	564985	4222880	0.000457	0.000604	2.16E-04	2.42E-04	6.62E-04	2.16E-04	6.00E-05	1.18E-04	7.08E-05	4.64E-05	6.57E-05	3.23E-05
4488	564971.4	4222876	0.000465	0.000615	2.20E-04	2.46E-04	6.74E-04	2.20E-04	6.10E-05	1.20E-04	7.20E-05	4.72E-05	6.68E-05	3.29E-05
4489	564957.7	4222872	0.000473	0.000625	2.24E-04	2.51E-04	6.85E-04	2.24E-04	6.21E-05	1.22E-04	7.33E-05	4.80E-05	6.80E-05	3.34E-05
4490	564944.1	4222868	0.000481	0.000636	2.28E-04	2.55E-04	6.97E-04	2.28E-04	6.31E-05	1.24E-04	7.45E-05	4.89E-05	6.91E-05	3.40E-05
4491	564927	4222858	0.000501	0.000662	2.37E-04	2.66E-04	7.26E-04	2.37E-04	6.58E-05	1.29E-04	7.76E-05	5.09E-05	7.20E-05	3.54E-05
4492	564920.1	4222846	0.000526	0.000695	2.49E-04	2.79E-04	7.62E-04	2.49E-04	6.90E-05	1.36E-04	8.15E-05	5.34E-05	7.56E-05	3.72E-05
4493	564913.1	4222834	0.000553	0.000731	2.62E-04	2.93E-04	8.01E-04	2.62E-04	7.26E-05	1.43E-04	8.57E-05	5.62E-05	7.95E-05	3.91E-05
4494	564906.1	4222821	0.000581	0.000768	2.75E-04	3.08E-04	8.42E-04	2.75E-04	7.63E-05	1.50E-04	9.01E-05	5.91E-05	8.36E-05	4.11E-05
4495	564899.1	4222809	0.000611	0.000808	2.90E-04	3.24E-04	8.86E-04	2.90E-04	8.03E-05	1.58E-04	9.48E-05	6.21E-05	8.79E-05	4.32E-05
4496	564892.1	4222797	0.000643	0.00085	3.05E-04	3.41E-04	9.32E-04	3.05E-04	8.44E-05	1.66E-04	9.97E-05	6.53E-05	9.25E-05	4.55E-05
4497	564885.2	4222784	0.000676	0.000894	3.20E-04	3.59E-04	9.81E-04	3.20E-04	8.88E-05	1.75E-04	1.05E-04	6.87E-05	9.73E-05	4.78E-05
4498	564878.2	4222772	0.000711	0.000941	3.37E-04	3.77E-04	1.03E-03	3.37E-04	9.34E-05	1.84E-04	1.10E-04	7.23E-05	1.02E-04	5.03E-05
4499	564871.2	4222760	0.000747	0.000988	3.54E-04	3.96E-04	1.08E-03	3.54E-04	9.81E-05	1.93E-04	1.16E-04	7.59E-05	1.08E-04	5.29E-05
4500	564864.2	4222747	0.000785	0.001038	3.72E-04	4.16E-04	1.14E-03	3.72E-04	1.03E-04	2.03E-04	1.22E-04	7.98E-05	1.13E-04	5.55E-05
4501	564857.3	4222735	0.000823	0.001089	3.90E-04	4.36E-04	1.19E-03	3.90E-04	1.08E-04	2.13E-04	1.28E-04	8.37E-05	1.18E-04	5.82E-05
4502	564850.3	4222723	0.000863	0.001141	4.09E-04	4.57E-04	1.25E-03	4.09E-04	1.13E-04	2.23E-04	1.34E-04	8.77E-05	1.24E-04	6.10E-05
4503	564843.3	4222710	0.000902	0.001194	4.28E-04	4.78E-04	1.31E-03	4.28E-04	1.19E-04	2.33E-04	1.40E-04	9.17E-05	1.30E-04	6.38E-05
4504	564836.3	4222698	0.000943	0.001247	4.47E-04	5.00E-04	1.37E-03	4.47E-04	1.24E-04	2.44E-04	1.46E-04	9.58E-05	1.36E-04	6.67E-05
4505	564829.4	4222686	0.000983	0.0013	4.66E-04	5.21E-04	1.43E-03	4.66E-04	1.29E-04	2.54E-04	1.52E-04	9.99E-05	1.41E-04	6.95E-05
4506	564822.4	4222674	0.001024	0.001354	4.85E-04	5.43E-04	1.48E-03	4.85E-04	1.34E-04	2.64E-04	1.59E-04	1.04E-04	1.47E-04	7.24E-05
4507	564815.4	4222661	0.001064	0.001407	5.04E-04	5.64E-04	1.54E-03	5.04E-04	1.40E-04	2.75E-04	1.65E-04	1.08E-04	1.53E-04	7.52E-05
4508	564801.5	4222637	0.001142	0.00151	5.41E-04	6.05E-04	1.66E-03	5.41E-04	1.50E-04	2.95E-04	1.77E-04	1.16E-04	1.64E-04	8.07E-05
4509	564794.5	4222624	0.001179	0.00156	5.59E-04	6.25E-04	1.71E-03	5.59E-04	1.55E-04	3.05E-04	1.83E-04	1.20E-04	1.70E-04	8.34E-05
4510	564787.5	4222612	0.001216	0.001608	5.76E-04	6.45E-04	1.76E-03	5.76E-04	1.60E-04	3.14E-04	1.88E-04	1.24E-04	1.75E-04	8.60E-05
4511	564780.5	4222600	0.001251	0.001654	5.93E-04	6.63E-04	1.81E-03	5.93E-04	1.64E-04	3.23E-04	1.94E-04	1.27E-04	1.80E-04	8.85E-05
4512	564773.5	4222587	0.001284	0.001698	6.08E-04	6.81E-04	1.86E-03	6.08E-04	1.69E-04	3.32E-04	1.99E-04	1.31E-04	1.85E-04	9.08E-05
4513	564766.6	4222575	0.001316	0.00174	6.23E-04	6.98E-04	1.91E-03	6.23E-04	1.73E-04	3.40E-04	2.04E-04	1.34E-04	1.89E-04	9.31E-05
4514	564759.6	4222563	0.001346	0.00178	6.38E-04	7.13E-04	1.95E-03	6.38E-04	1.77E-04	3.48E-04	2.09E-04	1.37E-04	1.94E-04	9.52E-05
4515	564752.6	4222550	0.001374	0.001817	6.51E-04	7.28E-04	1.99E-03	6.51E-04	1.80E-04	3.55E-04	2.13E-04	1.40E-04	1.98E-04	9.71E-05
4516	564745.6	4222538	0.0014	0.001851	6.63E-04	7.42E-04	2.03E-03	6.63E-04	1.84E-04	3.62E-04	2.17E-04	1.42E-04	2.01E-04	9.90E-05
4517	564738.7	4222526	0.001424	0.001883	6.74E-04	7.55E-04	2.06E-03	6.74E-04	1.87E-04	3.68E-04	2.21E-04	1.45E-04	2.05E-04	1.01E-04
4518	564717.7	4222489	0.001484	0.001963	7.03E-04	7.87E-04	2.15E-03	7.03E-04	1.95E-04	3.83E-04	2.30E-04	1.51E-04	2.13E-04	1.05E-04
4519	564710.8	4222477	0.001501	0.001984	7.11E-04	7.96E-04	2.18E-03	7.11E-04	1.97E-04	3.88E-04	2.33E-04	1.52E-04	2.16E-04	1.06E-04
4520	565318.1	4222992	0.000322	0.000426	1.53E-04	1.71E-04	4.67E-04	1.53E-04	4.23E-05	8.32E-05	4.99E-05	3.27E-05	4.63E-05	2.28E-05
4521	565214.4	4222859	0.000479	0.000634	2.27E-04	2.54E-04	6.95E-04	2.27E-04	6.30E-05	1.24E-04	7.43E-05	4.87E-05	6.90E-05	3.39E-05
4522	565191.5	4222956	0.000348	0.00046	1.65E-04	1.84E-04	5.04E-04	1.65E-04	4.56E-05	8.98E-05	5.39E-05	3.53E-05	5.00E-05	2.46E-05
4523	565186.9	4222976	0.000328	0.000434	1.56E-04	1.74E-04	4.76E-04	1.56E-04	4.31E-05	8.48E-05	5.09E-05	3.34E-05	4.72E-05	2.32E-05
4524	565119.1	4222869	0.000466	0.000616	2.21E-04	2.47E-04	6.75E-04	2.21E-04	6.12E-05	1.20E-04	7.22E-05	4.73E-05	6.70E-05	3.29E-05
4525	565111	4222887	0.000437	0.000578	2.07E-04	2.32E-04	6.33E-04	2.07E-04	5.74E-05	1.13E-04	6.77E-05	4.44E-05	6.28E-05	3.09E-05
4526	565102.9	4222905	0.000411	0.000543	1.95E-04	2.18E-04	5.95E-04	1.95E-04	5.39E-05	1.06E-04	6.36E-05	4.17E-05	5.91E-05	2.90E-05
4527	565091.9	4222922	0.000388	0.000514	1.84E-04	2.06E-04	5.63E-04	1.84E-04	5.10E-05	1.00E-04	6.02E-05	3.95E-05	5.59E-05	2.75E-05
4528	565083.9	4222941	0.000367	0.000485	1.74E-04	1.94E-04	5.32E-04	1.74E-04	4.81E-05	9.47E-05	5.68E-05	3.73E-05	5.27E-05	2.59E-05
4529	565182.2	4222656	0.001345	0.001779	6.37E-04	7.13E-04	1.95E-03	6.37E-04	1.77E-04	3.48E-04	2.09E-04	1.37E-04	1.94E-04	9.51E-05
4530	565170.8	4222673	0.001206	0.001595	5.71E-04	6.39E-04	1.75E-03	5.71E-04	1.58E-04	3.12E-04	1.87E-04	1.23E-04	1.73E-04	8.53E-05
4531	565159.4	4222689	0.001089	0.001441	5.16E-04	5.78E-04	1.58E-03	5.16E-04	1.43E-04	2.81E-04	1.69E-04	1.11E-04	1.57E-04	7.70E-05
4532	565141.7	4222701	0.001016	0.001344	4.81E-04	5.39E-04	1.47E-03	4.81E-04	1.33E-04	2.63E-04	1.58E-04	1.03E-04	1.46E-04	7.19E-05
4533	565130.3	4222718	0.000926	0.001225	4.39E-04	4.91E-04	1.34E-03	4.39E-04	1.22E-04	2.39E-04	1.44E-04	9.41E-05	1.33E-04	6.55E-05
4534	565118.9	4222734	0.000848	0.001121	4.02E-04	4.50E-04	1.23E-03	4.02E-04	1.11E-04	2.19E-04	1.31E-04	8.62E-05	1.22E-04	6.00E-05
4535	565107.5	4222751	0.00078	0.001031	3.69E-04	4.14E-04	1.13E-03	3.69E-04	1.02E-04	2.01E-04	1.21E-04	7.93E-05	1.12E-04	5.52E-05
4536	565096.1	4222767	0.00072	0.000953	3.41E-04	3.82E-04	1.04E-03	3.41E-04	9.46E-05	1.86E-04	1.12E-04	7.32E-05	1.04E-04	5.09E-05
4537	565084.7	4222783	0.000668	0.000883	3.16E-04	3.54E-04	9.68E-04	3.16E-04	8.77E-05	1.72E-04	1.03E-04	6.78E-05	9.60E-05	4.72E-05
4538	565055.6	4222812	0.000591	0.000781	2.80E-04	3.13E-04	8.57E-04	2.80E-04	7.76E-05	1.53E-04	9.16E-05	6.00E-05	8.50E-05	4.18E-05
4539	565026.5	4222840	0.000528	0.000698	2.50E-04	2.80E-04	7.65E-04	2.50E-04	6.93E-05	1.36E-04	8.18E-05	5.36E-05	7.59E-05	3.73E-05
4540	565015.1	4222857	0.000496	0.000655	2.35E-04	2.63E-04	7.18E-04	2.35E-04	6.51E-05	1.28E-04	7.68E-05	5.04E-05	7.13E-05	3.50E-05
4541	565003.7	4222873	0.000466	0.000617	2.21E-04	2.47E-04	6.76E-04	2.21E-04	6.12E-05	1.20E-04	7.23E-05	4.74E-05	6.71E-05	3.30E-05
4542	564992.3	4222890	0.00044	0.000582	2.08E-04	2.33E-04	6.38E-04	2.08E-04	5.78E-05	1.14E-04	6.82E-05	4.47E-05	6.33E-05	3.11E-05
4543	565004.8	4222898	0.000425	0.000563	2.02E-04	2.26E-04	6.17E-04	2.02E-04	5.59E-05	1.10E-04	6.59E-05	4.32E-05	6.12E-05	3.01E-05
4544	565003.3	4222169	0.003792	0.005014	1.80E-03	2.01E-03	5.50E-03	1.80E-03	4.98E-04	9.80E-04	5.88E-04	3.85E-04	5.45E-04	2.68E-04
4545	564992	4222150	0.003456	0.00457	1.64E-03	1.83E-03	5.01E-03	1.64E-03	4.54E-04	8.93E-04	5.36E-04	3.51E-04	4.97E-04	2.44E-04
4546	564975.6	4222139	0.003195	0.004226	1.51E-03	1.69E-03	4.63E-03	1.51E-03	4.20E-04	8.26E-04	4.95E-04	3.25E-04	4.60E-04	2.26E-04
4547	564950.4	4222175	0.003344	0.004422	1.58E-03	1.77E-03	4.85E-03	1.58E-03	4.39E-04	8.64E-04	5.18E-04	3.40E-04	4.81E-04	2.36E-04

4548	564959.2	4222127	0.002964	0.00392	1.40E-03	1.57E-03	4.30E-03	1.40E-03	3.89E-04	7.66E-04	4.59E-04	3.01E-04	4.26E-04	2.10E-04
4549	564922.7	4222145	0.002881	0.00381	1.36E-03	1.53E-03	4.18E-03	1.36E-03	3.78E-04	7.44E-04	4.47E-04	2.93E-04	4.14E-04	2.04E-04
4550	564840.8	4222087	0.002094	0.00277	9.92E-04	1.11E-03	3.04E-03	9.92E-04	2.75E-04	5.41E-04	3.25E-04	2.13E-04	3.01E-04	1.48E-04
4551	564835.8	4222094	0.002115	0.002797	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.46E-04	3.28E-04	2.15E-04	3.04E-04	1.50E-04
4552	564963.8	4222230	0.00388	0.005132	1.84E-03	2.06E-03	5.63E-03	1.84E-03	5.10E-04	1.00E-03	6.02E-04	3.94E-04	5.58E-04	2.74E-04
4553	564969	4222222	0.003895	0.005151	1.85E-03	2.07E-03	5.65E-03	1.85E-03	5.12E-04	1.01E-03	6.04E-04	3.96E-04	5.60E-04	2.75E-04
4554	564979.3	4222204	0.003894	0.00515	1.84E-03	2.06E-03	5.65E-03	1.84E-03	5.11E-04	1.01E-03	6.04E-04	3.96E-04	5.60E-04	2.75E-04
4555	564942.2	4222228	0.003608	0.004772	1.71E-03	1.91E-03	5.23E-03	1.71E-03	4.74E-04	9.32E-04	5.59E-04	3.67E-04	5.19E-04	2.55E-04
4556	564949.9	4222215	0.003627	0.004797	1.72E-03	1.92E-03	5.26E-03	1.72E-03	4.76E-04	9.37E-04	5.62E-04	3.69E-04	5.22E-04	2.57E-04
4557	564955.1	4222206	0.003629	0.0048	1.72E-03	1.92E-03	5.26E-03	1.72E-03	4.77E-04	9.38E-04	5.63E-04	3.69E-04	5.22E-04	2.57E-04
4558	564932.2	4222205	0.003387	0.00448	1.60E-03	1.80E-03	4.91E-03	1.60E-03	4.45E-04	8.75E-04	5.25E-04	3.44E-04	4.87E-04	2.40E-04
4559	564938.7	4222195	0.003382	0.004473	1.60E-03	1.79E-03	4.90E-03	1.60E-03	4.44E-04	8.74E-04	5.24E-04	3.44E-04	4.87E-04	2.39E-04
4560	564914	4222236	0.003336	0.004412	1.58E-03	1.77E-03	4.84E-03	1.58E-03	4.38E-04	8.62E-04	5.17E-04	3.39E-04	4.80E-04	2.36E-04
4561	564917.6	4222191	0.003166	0.004187	1.50E-03	1.68E-03	4.59E-03	1.50E-03	4.16E-04	8.18E-04	4.91E-04	3.22E-04	4.55E-04	2.24E-04
4562	564923.9	4222180	0.003153	0.004169	1.49E-03	1.67E-03	4.57E-03	1.49E-03	4.14E-04	8.14E-04	4.89E-04	3.20E-04	4.53E-04	2.23E-04
4563	564929	4222172	0.003135	0.004147	1.49E-03	1.66E-03	4.55E-03	1.49E-03	4.12E-04	8.10E-04	4.86E-04	3.19E-04	4.51E-04	2.22E-04
4564	564898.5	4222184	0.002971	0.003929	1.41E-03	1.58E-03	4.31E-03	1.41E-03	3.90E-04	7.68E-04	4.61E-04	3.02E-04	4.27E-04	2.10E-04
4565	564906.2	4222171	0.002954	0.003906	1.40E-03	1.57E-03	4.28E-03	1.40E-03	3.88E-04	7.63E-04	4.58E-04	3.00E-04	4.25E-04	2.09E-04
4566	564884.6	4222168	0.002784	0.003681	1.32E-03	1.48E-03	4.04E-03	1.32E-03	3.66E-04	7.19E-04	4.31E-04	2.83E-04	4.00E-04	1.97E-04
4567	564892.3	4222155	0.002759	0.003649	1.31E-03	1.46E-03	4.00E-03	1.31E-03	3.62E-04	7.13E-04	4.28E-04	2.80E-04	3.97E-04	1.95E-04
4568	564897.5	4222147	0.002736	0.003618	1.30E-03	1.45E-03	3.97E-03	1.30E-03	3.59E-04	7.07E-04	4.24E-04	2.78E-04	3.94E-04	1.93E-04
4569	564850.1	4222187	0.002637	0.003487	1.25E-03	1.40E-03	3.82E-03	1.25E-03	3.46E-04	6.81E-04	4.09E-04	2.68E-04	3.79E-04	1.86E-04
4570	564869.4	4222155	0.002611	0.003453	1.24E-03	1.38E-03	3.79E-03	1.24E-03	3.43E-04	6.75E-04	4.05E-04	2.65E-04	3.76E-04	1.85E-04
4571	564877.2	4222142	0.002584	0.003417	1.22E-03	1.37E-03	3.75E-03	1.22E-03	3.39E-04	6.67E-04	4.00E-04	2.63E-04	3.72E-04	1.83E-04
4572	564882.3	4222133	0.002559	0.003384	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.61E-04	3.97E-04	2.60E-04	3.68E-04	1.81E-04
4573	564842.5	4222200	0.002631	0.003479	1.25E-03	1.39E-03	3.81E-03	1.25E-03	3.46E-04	6.80E-04	4.08E-04	2.67E-04	3.78E-04	1.86E-04
4574	564827	4222187	0.002491	0.003295	1.18E-03	1.32E-03	3.61E-03	1.18E-03	3.27E-04	6.44E-04	3.86E-04	2.53E-04	3.58E-04	1.76E-04
4575	564836.1	4222172	0.002492	0.003296	1.18E-03	1.32E-03	3.61E-03	1.18E-03	3.27E-04	6.44E-04	3.86E-04	2.53E-04	3.58E-04	1.76E-04
4576	564854.3	4222141	0.002454	0.003246	1.16E-03	1.30E-03	3.56E-03	1.16E-03	3.22E-04	6.34E-04	3.80E-04	2.49E-04	3.53E-04	1.74E-04
4577	564862.1	4222128	0.002423	0.003205	1.15E-03	1.28E-03	3.51E-03	1.15E-03	3.18E-04	6.26E-04	3.76E-04	2.46E-04	3.49E-04	1.71E-04
4578	564809.2	4222178	0.002361	0.003123	1.12E-03	1.25E-03	3.42E-03	1.12E-03	3.10E-04	6.10E-04	3.66E-04	2.40E-04	3.40E-04	1.67E-04
4579	564817	4222165	0.00236	0.003121	1.12E-03	1.25E-03	3.42E-03	1.12E-03	3.10E-04	6.10E-04	3.66E-04	2.40E-04	3.39E-04	1.67E-04
4580	564836.5	4222132	0.002317	0.003065	1.10E-03	1.23E-03	3.36E-03	1.10E-03	3.04E-04	5.99E-04	3.59E-04	2.35E-04	3.33E-04	1.64E-04
4581	564795.1	4222163	0.002239	0.002962	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.94E-04	5.79E-04	3.47E-04	2.28E-04	3.22E-04	1.58E-04
4582	564800.2	4222154	0.002236	0.002957	1.06E-03	1.19E-03	3.24E-03	1.06E-03	2.94E-04	5.78E-04	3.47E-04	2.27E-04	3.22E-04	1.58E-04
4583	564807.8	4222141	0.002224	0.002941	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.92E-04	5.75E-04	3.45E-04	2.26E-04	3.20E-04	1.57E-04
4584	564790	4222171	0.002239	0.002962	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.94E-04	5.79E-04	3.47E-04	2.28E-04	3.22E-04	1.58E-04
4585	564953.8	4222296	0.003877	0.005127	1.84E-03	2.06E-03	5.62E-03	1.84E-03	5.09E-04	1.00E-03	6.01E-04	3.94E-04	5.58E-04	2.74E-04
4586	564912.4	4222291	0.003368	0.004454	1.60E-03	1.79E-03	4.88E-03	1.60E-03	4.42E-04	8.70E-04	5.22E-04	3.42E-04	4.84E-04	2.38E-04
4587	564917.6	4222279	0.003435	0.004543	1.63E-03	1.82E-03	4.98E-03	1.63E-03	4.51E-04	8.87E-04	5.32E-04	3.49E-04	4.94E-04	2.43E-04
4588	564892.2	4222288	0.003159	0.004177	1.50E-03	1.67E-03	4.58E-03	1.50E-03	4.15E-04	8.16E-04	4.90E-04	3.21E-04	4.54E-04	2.23E-04
4589	564896	4222279	0.003203	0.004236	1.52E-03	1.70E-03	4.64E-03	1.52E-03	4.21E-04	8.27E-04	4.97E-04	3.25E-04	4.61E-04	2.27E-04
4590	564873.3	4222281	0.002985	0.003948	1.41E-03	1.58E-03	4.33E-03	1.41E-03	3.92E-04	7.71E-04	4.63E-04	3.03E-04	4.29E-04	2.11E-04
4591	564880.9	4222263	0.003056	0.004041	1.45E-03	1.62E-03	4.43E-03	1.45E-03	4.01E-04	7.89E-04	4.74E-04	3.11E-04	4.40E-04	2.16E-04
4592	564888.5	4222245	0.003106	0.004108	1.47E-03	1.65E-03	4.50E-03	1.47E-03	4.08E-04	8.03E-04	4.82E-04	3.16E-04	4.47E-04	2.20E-04
4593	564894.9	4222230	0.003132	0.004141	1.48E-03	1.66E-03	4.54E-03	1.48E-03	4.11E-04	8.09E-04	4.85E-04	3.18E-04	4.50E-04	2.21E-04
4594	564861.1	4222259	0.00288	0.003809	1.36E-03	1.53E-03	4.18E-03	1.36E-03	3.78E-04	7.44E-04	4.46E-04	2.93E-04	4.14E-04	2.04E-04
4595	564846	4222243	0.002745	0.003631	1.30E-03	1.46E-03	3.98E-03	1.30E-03	3.61E-04	7.09E-04	4.26E-04	2.79E-04	3.95E-04	1.94E-04
4596	564849.9	4222234	0.002763	0.003654	1.31E-03	1.46E-03	4.01E-03	1.31E-03	3.63E-04	7.14E-04	4.28E-04	2.81E-04	3.97E-04	1.95E-04
4597	564856.5	4222219	0.002782	0.003679	1.32E-03	1.48E-03	4.03E-03	1.32E-03	3.65E-04	7.19E-04	4.31E-04	2.83E-04	4.00E-04	1.97E-04
4598	564833.1	4222274	0.002656	0.003512	1.26E-03	1.41E-03	3.85E-03	1.26E-03	3.49E-04	6.86E-04	4.12E-04	2.70E-04	3.82E-04	1.88E-04
4599	564824.4	4222243	0.002587	0.003421	1.23E-03	1.37E-03	3.75E-03	1.23E-03	3.40E-04	6.68E-04	4.01E-04	2.63E-04	3.72E-04	1.83E-04
4600	564830.9	4222228	0.002613	0.003456	1.24E-03	1.39E-03	3.79E-03	1.24E-03	3.43E-04	6.75E-04	4.05E-04	2.66E-04	3.76E-04	1.85E-04
4601	564836	4222216	0.002626	0.003473	1.24E-03	1.39E-03	3.81E-03	1.24E-03	3.45E-04	6.78E-04	4.07E-04	2.67E-04	3.78E-04	1.86E-04
4602	564799	4222252	0.002424	0.003205	1.15E-03	1.28E-03	3.51E-03	1.15E-03	3.18E-04	6.26E-04	3.76E-04	2.46E-04	3.49E-04	1.71E-04
4603	564809.3	4222228	0.00247	0.003267	1.17E-03	1.31E-03	3.58E-03	1.17E-03	3.24E-04	6.38E-04	3.83E-04	2.51E-04	3.55E-04	1.75E-04
4604	564815.7	4222213	0.002486	0.003288	1.18E-03	1.32E-03	3.60E-03	1.18E-03	3.27E-04	6.42E-04	3.85E-04	2.53E-04	3.58E-04	1.76E-04
4605	564822	4222198	0.002491	0.003295	1.18E-03	1.32E-03	3.61E-03	1.18E-03	3.27E-04	6.44E-04	3.86E-04	2.53E-04	3.58E-04	1.76E-04
4606	564801.4	4222195	0.002364	0.003126	1.12E-03	1.25E-03	3.43E-03	1.12E-03	3.10E-04	6.11E-04	3.66E-04	2.40E-04	3.40E-04	1.67E-04
4607	565036.4	4222433	0.004051	0.005357	1.92E-03	2.15E-03	5.87E-03	1.92E-03	5.32E-04	1.05E-03	6.28E-04	4.12E-04	5.83E-04	2.86E-04
4608	564969.6	4222415	0.003386	0.004478	1.60E-03	1.80E-03	4.91E-03	1.60E-03	4.45E-04	8.75E-04	5.25E-04	3.44E-04	4.87E-04	2.39E-04
4609	564981.3	4222345	0.004108	0.005433	1.95E-03	2.18E-03	5.96E-03	1.95E-03	5.40E-04	1.06E-03	6.37E-04	4.18E-04	5.91E-04	2.91E-04
4610	564949.6	4222415	0.003163	0.004183	1.50E-03	1.68E-03	4.59E-03	1.50E-03	4.15E-04	8.17E-04	4.90E-04	3.21E-04	4.55E-04	2.24E-04
4611	564961	4222346	0.003797	0.005021	1.80E-03	2.01E-03	5.50E-03	1.80E-03	4.99E-04	9.81E-04	5.89E-04	3.86E-04	5.46E-04	2.69E-04
4612	564943.9	4222459	0.002747	0.003633	1.30E-03	1.46E-03	3.98E-03	1.30E-03	3.61E-04	7.10E-04	4.26E-04	2.79E-04	3.95E-04	1.94E-04
4613	564929.5	4222416	0.002964	0.00392	1.40E-03	1.57E-03	4.30E-03	1.40E-03	3.89E-04	7.66E-04	4.60E-04	3.01E-04	4.26E-04	2.10E-04
4614	564940.8	4222348	0.003525	0.004662	1.67E-03	1.87E-03	5.11E-03	1.67E-03	4.63E-04	9.11E-04	5.46E-04	3.58E-04	5.07E-04	2.49E-04
4615	564923.8	4222450	0.002665	0.003524	1.26E-03	1.41E-03	3.86E-03	1.26E-03	3.50E-04	6.88E-04	4.13E-04	2.71E-04	3.83E-04	1.88E-04
4616	564923.9	4222459	0.002596	0.003433	1.23E-03	1.38E-03	3.76E-03	1.23E-03	3.41E-04	6.71E-04	4.02E-04	2.64E-04	3.73E-04	1.84E-04
4617	564909.8	4222414	0.002804	0.003708	1.33E-03	1.49E-03	4.06E-03	1.33E-03	3.68E-04	7.24E-04	4.35E-04	2.85E-04	4.03E-04	1.98E-04
4618	564903.8	4222450	0.002519	0.003332	1.19E-03	1.34E-03	3.65E-03	1.19E-03	3.31E-04	6.51E-04	3.91E-04	2.56E-04	3.62E-04	1.78E-04
4619	564889.7	4222415	0.00264	0.003491	1.25E-03	1.40E-03	3.83E-03	1.25E-03	3.47E-04	6.82E-04	4.09E-04	2.68E-04	3.80E-04	1.87E-04
4620	564901.3	4222345	0.003103	0.004104	1.47E-03	1.65E-03	4.50E-03	1.47E-03	4.08E-04	8.02E-04	4.81E-04	3.15E-04	4.46E-04	2.19E-04
4621	564869.6	4222415	0.002488	0.00329	1.18E-03	1.32E-03	3.61E-03	1.18E-03	3.27E-04	6.43E-04	3.86E-04	2.53E-04	3.58E-04	1.76E-04
4622	564863.9	4222459	0.002214	0.002928	1.05E-03	1.17E-03	3.21E-03	1.05E-03	2.91E-04	5.72E-04	3.43E-04	2.25E-04	3.18E-04	1.57E-04
4623	564863.9	4222468	0.002162	0.002859	1.02E-03	1.15E-03	3.13E-03	1.02E-03	2.84E-04	5.58E-04	3.35E-04	2.20E-04	3.11E-04	1.53E-04
4624	564849.5	4222416	0.002352	0.00311	1.11E-03	1.25E-03	3.41E-03	1.11E-03	3.09E-04	6.08E-04	3.65E-04	2.39E-04	3.38E-04	1.66E-04
4625	564843.9	4222459	0.002105	0.002783	9.97E-04	1.12E-03	3.05E-03	9.97E-04	2.76E-04	5.44E-04	3.26E-04	2.14E-04	3.03E-04	1.49E-04
4626	564843.9	4222468	0.002057	0.00272	9.75E-04	1.09E-03	2.98E-03	9.75E-04	2.70E-04	5.31E-04	3.19E-04	2.09E-04	2.96E-04	1.45E-04
4627	564828.3	4222424	0.00219	0.002896	1.04E-03	1.16E-03	3.17E-03	1.04E-03	2.88E-04	5.66E-04	3.39E-04	2.23E-04	3.15E-04	1.55E-04
4628	564829.8	4222415	0.002238	0.002959	1.06E-03	1.19E-03	3.24E-03	1.06E-03	2.94E-04	5.78E-04	3.47E-04	2.27E-04	3.22E-04	1.58E-04
4629	564840.1	4222352	0.002553	0.003376	1.21E-03	1.35E-03	3.70E-03	1.21E-03	3.35E-04	6.60E-04	3.96E-04	2.59E-04	3.67E-04	1.81E-04
4630	564823.9	4222459	0.002003	0.002649	9.49E-04	1.06E-03	2.90E-03	9.49E-04	2.63E-04	5.17E-04	3.11E-04	2.04E-04	2.88E-04	1.42E-04
4631	564823.9	4222469	0.00196	0.002592	9.29E-04	1.04E-03	2.84E-03	9.29E-04	2.57E-04	5.06E-04	3.04E-04	1.99E-04	2.82E-04	1.39E-04
4632	564819.9	4222354	0.002408	0.003185	1.14E-03	1.28E-03	3.49E-03	1.14E-03	3.16E-04	6.22E-04	3.73E-04	2.45E-04	3.46E-04	1.70E-04
4633	564802.6	4222337	0.002342	0.003097	1.11E-03	1.24E-03	3.40E-03	1.11E-03	3.08E-04	6.05E-04	3.63E-04	2.38E-04	3.37E-04	1.66E-04
4634	564812.8	4222277	0.00251	0.003319	1.19E-03	1.33E-03	3.64E-03	1.19E-03	3.30E-04	6.48E-04	3.89E-04	2.55E-04	3.61E-04	1.77E-04
4635	564768.1	4222425	0.001881	0.002488	8.91E-04	9.97E-04	2.73E-03	8.91E-04	2.47E-04	4.86E-04	2.92E-04	1.91E-04	2.71E-04	1.33E-04
4636	564779.6	4222356	0.002156	0.002851	1.02E-03	1.14E-03	3.13E-03	1.02E-03	2.83E-04	5.57E-04	3.34E-04	2.19E-04	3.10E-04	1.52E-04
4637	564789.6	4222296	0.00234	0.003095	1.11E-03	1.24E-03	3.39E-03	1.11E-03	3.07E-04	6.05E-04	3.63E-04	2.38E-04	3.37E-04	1.65E-04
4638	564748.3	4222424	0.001798	0.002378	8.52E-04	9.53E-04	2.61E-03	8.52E-04	2.36E-04	4.65E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04

4639	564744	4222478	0.001603	0.00212	7.60E-04	8.50E-04	2.32E-03	7.60E-04	2.11E-04	4.14E-04	2.49E-04	1.63E-04	2.31E-04	1.13E-04
4640	564740	4222354	0.001957	0.002588	9.27E-04	1.04E-03	2.84E-03	9.27E-04	2.57E-04	5.06E-04	3.03E-04	1.99E-04	2.82E-04	1.38E-04
4641	565287.9	4222688	0.001068	0.001413	5.06E-04	5.66E-04	1.55E-03	5.06E-04	1.40E-04	2.76E-04	1.66E-04	1.09E-04	1.54E-04	7.55E-05
4642	565275.9	4222684	0.001094	0.001447	5.19E-04	5.80E-04	1.59E-03	5.19E-04	1.44E-04	2.83E-04	1.70E-04	1.11E-04	1.57E-04	7.74E-05
4643	565264	4222680	0.001123	0.001485	5.32E-04	5.95E-04	1.63E-03	5.32E-04	1.47E-04	2.90E-04	1.74E-04	1.14E-04	1.62E-04	7.94E-05
4644	565252	4222676	0.001154	0.001526	5.47E-04	6.12E-04	1.67E-03	5.47E-04	1.52E-04	2.98E-04	1.79E-04	1.17E-04	1.66E-04	8.16E-05
4645	565216.1	4222665	0.001259	0.001665	5.96E-04	6.67E-04	1.82E-03	5.96E-04	1.65E-04	3.25E-04	1.95E-04	1.28E-04	1.81E-04	8.90E-05
4646	565200.2	4222660	0.001308	0.001729	6.19E-04	6.93E-04	1.90E-03	6.19E-04	1.72E-04	3.38E-04	2.03E-04	1.33E-04	1.88E-04	9.25E-05
4647	565162.3	4222651	0.001399	0.00185	6.63E-04	7.42E-04	2.03E-03	6.63E-04	1.84E-04	3.61E-04	2.17E-04	1.42E-04	2.01E-04	9.89E-05
4648	565294.3	4222709	0.000944	0.001249	4.47E-04	5.01E-04	1.37E-03	4.47E-04	1.24E-04	2.44E-04	1.46E-04	9.60E-05	1.36E-04	6.68E-05
4649	565278.4	4222704	0.000971	0.001284	4.60E-04	5.15E-04	1.41E-03	4.60E-04	1.28E-04	2.51E-04	1.51E-04	9.87E-05	1.40E-04	6.87E-05
4650	565266.5	4222700	0.000994	0.001314	4.71E-04	5.27E-04	1.44E-03	4.71E-04	1.31E-04	2.57E-04	1.54E-04	1.01E-04	1.43E-04	7.03E-05
4651	565242.6	4222692	0.001045	0.001382	4.95E-04	5.54E-04	1.51E-03	4.95E-04	1.37E-04	2.70E-04	1.62E-04	1.06E-04	1.50E-04	7.39E-05
4652	565230.7	4222689	0.001073	0.00142	5.09E-04	5.69E-04	1.56E-03	5.09E-04	1.41E-04	2.77E-04	1.66E-04	1.09E-04	1.54E-04	7.59E-05
4653	565218.8	4222685	0.001103	0.001459	5.23E-04	5.85E-04	1.60E-03	5.23E-04	1.45E-04	2.85E-04	1.71E-04	1.12E-04	1.59E-04	7.80E-05
4654	565202.9	4222680	0.001144	0.001513	5.42E-04	6.07E-04	1.66E-03	5.42E-04	1.50E-04	2.96E-04	1.77E-04	1.16E-04	1.65E-04	8.09E-05
4655	565163.2	4222667	0.001253	0.001657	5.93E-04	6.64E-04	1.82E-03	5.93E-04	1.65E-04	3.24E-04	1.94E-04	1.27E-04	1.80E-04	8.86E-05
4656	565152.3	4222651	0.001401	0.001853	6.64E-04	7.43E-04	2.03E-03	6.64E-04	1.84E-04	3.62E-04	2.17E-04	1.42E-04	2.02E-04	9.91E-05
4657	565149.2	4222666	0.001269	0.001678	6.01E-04	6.73E-04	1.84E-03	6.01E-04	1.67E-04	3.28E-04	1.97E-04	1.29E-04	1.83E-04	8.97E-05
4658	565295.5	4222728	0.00085	0.001124	4.03E-04	4.51E-04	1.23E-03	4.03E-04	1.12E-04	2.20E-04	1.32E-04	8.64E-05	1.22E-04	6.01E-05
4659	565283.4	4222724	0.000866	0.001145	4.10E-04	4.59E-04	1.25E-03	4.10E-04	1.14E-04	2.24E-04	1.34E-04	8.80E-05	1.25E-04	6.12E-05
4660	565271.3	4222720	0.000884	0.001169	4.19E-04	4.69E-04	1.28E-03	4.19E-04	1.16E-04	2.28E-04	1.37E-04	8.98E-05	1.27E-04	6.25E-05
4661	565247.1	4222713	0.000926	0.001224	4.38E-04	4.91E-04	1.34E-03	4.38E-04	1.22E-04	2.39E-04	1.43E-04	9.41E-05	1.33E-04	6.55E-05
4662	565235	4222709	0.000949	0.001255	4.49E-04	5.03E-04	1.38E-03	4.49E-04	1.25E-04	2.45E-04	1.47E-04	9.64E-05	1.36E-04	6.71E-05
4663	565218.8	4222704	0.000982	0.001299	4.65E-04	5.21E-04	1.42E-03	4.65E-04	1.29E-04	2.54E-04	1.52E-04	9.98E-05	1.41E-04	6.94E-05
4664	565190.5	4222695	0.001045	0.001382	4.95E-04	5.54E-04	1.52E-03	4.95E-04	1.37E-04	2.70E-04	1.62E-04	1.06E-04	1.50E-04	7.39E-05
4665	565178.4	4222691	0.001074	0.00142	5.09E-04	5.69E-04	1.56E-03	5.09E-04	1.41E-04	2.77E-04	1.66E-04	1.09E-04	1.54E-04	7.59E-05
4666	565139.1	4222665	0.001273	0.001683	6.03E-04	6.75E-04	1.85E-03	6.03E-04	1.67E-04	3.29E-04	1.97E-04	1.29E-04	1.83E-04	9.00E-05
4667	565136.1	4222680	0.001156	0.001529	5.48E-04	6.13E-04	1.68E-03	5.48E-04	1.52E-04	2.99E-04	1.79E-04	1.18E-04	1.66E-04	8.18E-05
4668	565127.4	4222661	0.001307	0.001729	6.19E-04	6.93E-04	1.90E-03	6.19E-04	1.72E-04	3.38E-04	2.03E-04	1.33E-04	1.88E-04	9.24E-05
4669	565116.9	4222638	0.001517	0.002006	7.18E-04	8.04E-04	2.20E-03	7.18E-04	1.99E-04	3.92E-04	2.35E-04	1.54E-04	2.18E-04	1.07E-04
4670	565294	4222746	0.000774	0.001024	3.67E-04	4.10E-04	1.12E-03	3.67E-04	1.02E-04	2.00E-04	1.20E-04	7.87E-05	1.11E-04	5.47E-05
4671	565281.9	4222742	0.000787	0.001041	3.73E-04	4.17E-04	1.14E-03	3.73E-04	1.03E-04	2.03E-04	1.22E-04	8.00E-05	1.13E-04	5.57E-05
4672	565249.7	4222732	0.000831	0.001098	3.93E-04	4.40E-04	1.20E-03	3.93E-04	1.09E-04	2.15E-04	1.29E-04	8.44E-05	1.19E-04	5.87E-05
4673	565237.6	4222729	0.000849	0.001123	4.02E-04	4.50E-04	1.23E-03	4.02E-04	1.12E-04	2.19E-04	1.32E-04	8.63E-05	1.22E-04	6.01E-05
4674	565197.4	4222716	0.00092	0.001217	4.36E-04	4.88E-04	1.33E-03	4.36E-04	1.21E-04	2.38E-04	1.43E-04	9.35E-05	1.32E-04	6.51E-05
4675	565115.7	4222657	0.00134	0.001772	6.35E-04	7.11E-04	1.94E-03	6.35E-04	1.76E-04	3.46E-04	2.08E-04	1.36E-04	1.93E-04	9.48E-05
4676	565096.5	4222615	0.001744	0.002307	8.26E-04	9.25E-04	2.53E-03	8.26E-04	2.29E-04	4.51E-04	2.70E-04	1.77E-04	2.51E-04	1.23E-04
4677	565091.3	4222603	0.001868	0.002471	8.85E-04	9.91E-04	2.71E-03	8.85E-04	2.45E-04	4.83E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
4678	565082.6	4222584	0.002088	0.002761	9.89E-04	1.11E-03	3.03E-03	9.89E-04	2.74E-04	5.39E-04	3.24E-04	2.12E-04	3.00E-04	1.48E-04
4679	565124.8	4222699	0.001034	0.001367	4.90E-04	5.48E-04	1.50E-03	4.90E-04	1.36E-04	2.67E-04	1.60E-04	1.05E-04	1.49E-04	7.31E-05
4680	565114.4	4222676	0.001189	0.001573	5.63E-04	6.31E-04	1.72E-03	5.63E-04	1.56E-04	3.07E-04	1.84E-04	1.21E-04	1.71E-04	8.41E-05
4681	565103.9	4222653	0.001372	0.001814	6.50E-04	7.27E-04	1.99E-03	6.50E-04	1.80E-04	3.54E-04	2.13E-04	1.39E-04	1.97E-04	9.70E-05
4682	565053.5	4222542	0.002542	0.003361	1.20E-03	1.35E-03	3.68E-03	1.20E-03	3.34E-04	6.57E-04	3.94E-04	2.58E-04	3.66E-04	1.80E-04
4683	565048.3	4222530	0.002674	0.003537	1.27E-03	1.42E-03	3.88E-03	1.27E-03	3.51E-04	6.91E-04	4.15E-04	2.72E-04	3.85E-04	1.89E-04
4684	565111.5	4222714	0.00095	0.001256	4.50E-04	5.04E-04	1.38E-03	4.50E-04	1.25E-04	2.45E-04	1.47E-04	9.65E-05	1.37E-04	6.72E-05
4685	565101.1	4222691	0.001086	0.001436	5.14E-04	5.76E-04	1.57E-03	5.14E-04	1.43E-04	2.81E-04	1.68E-04	1.10E-04	1.56E-04	7.68E-05
4686	565092.4	4222672	0.001217	0.001609	5.77E-04	6.45E-04	1.76E-03	5.77E-04	1.60E-04	3.14E-04	1.89E-04	1.24E-04	1.75E-04	8.61E-05
4687	565030	4222534	0.002519	0.003331	1.19E-03	1.34E-03	3.65E-03	1.19E-03	3.31E-04	6.51E-04	3.90E-04	2.56E-04	3.62E-04	1.78E-04
4688	565024.8	4222523	0.002635	0.003484	1.25E-03	1.40E-03	3.82E-03	1.25E-03	3.46E-04	6.81E-04	4.08E-04	2.68E-04	3.79E-04	1.86E-04
4689	565014.4	4222500	0.002858	0.00378	1.35E-03	1.52E-03	4.14E-03	1.35E-03	3.75E-04	7.38E-04	4.43E-04	2.90E-04	4.11E-04	2.02E-04
4690	565098.3	4222729	0.000876	0.001159	4.15E-04	4.65E-04	1.27E-03	4.15E-04	1.15E-04	2.26E-04	1.36E-04	8.90E-05	1.26E-04	6.20E-05
4691	565087.9	4222706	0.000996	0.001317	4.72E-04	5.28E-04	1.44E-03	4.72E-04	1.31E-04	2.57E-04	1.54E-04	1.01E-04	1.43E-04	7.04E-05
4692	565077.5	4222683	0.001136	0.001502	5.38E-04	6.02E-04	1.65E-03	5.38E-04	1.49E-04	2.93E-04	1.76E-04	1.15E-04	1.63E-04	8.03E-05
4693	565029	4222576	0.002021	0.002673	9.57E-04	1.07E-03	2.93E-03	9.57E-04	2.65E-04	5.22E-04	3.13E-04	2.05E-04	2.91E-04	1.43E-04
4694	565023.8	4222565	0.002128	0.002815	1.01E-03	1.13E-03	3.09E-03	1.01E-03	2.80E-04	5.50E-04	3.30E-04	2.16E-04	3.06E-04	1.51E-04
4695	565018.6	4222553	0.002236	0.002958	1.06E-03	1.19E-03	3.24E-03	1.06E-03	2.94E-04	5.78E-04	3.47E-04	2.27E-04	3.22E-04	1.58E-04
4696	565013.4	4222542	0.002343	0.003099	1.11E-03	1.24E-03	3.40E-03	1.11E-03	3.08E-04	6.05E-04	3.63E-04	2.38E-04	3.37E-04	1.66E-04
4697	565008.2	4222530	0.002447	0.003236	1.16E-03	1.30E-03	3.55E-03	1.16E-03	3.21E-04	6.32E-04	3.79E-04	2.49E-04	3.52E-04	1.73E-04
4698	565001.3	4222515	0.002581	0.003413	1.22E-03	1.37E-03	3.74E-03	1.22E-03	3.39E-04	6.67E-04	4.00E-04	2.62E-04	3.71E-04	1.83E-04
4699	565064.2	4222698	0.001041	0.001377	4.93E-04	5.52E-04	1.51E-03	4.93E-04	1.37E-04	2.69E-04	1.61E-04	1.06E-04	1.50E-04	7.36E-05
4700	565003.7	4222565	0.002055	0.002718	9.74E-04	1.09E-03	2.98E-03	9.74E-04	2.70E-04	5.31E-04	3.19E-04	2.09E-04	2.96E-04	1.45E-04
4701	564998.6	4222553	0.002153	0.002847	1.02E-03	1.14E-03	3.12E-03	1.02E-03	2.83E-04	5.56E-04	3.34E-04	2.19E-04	3.10E-04	1.52E-04
4702	564989.9	4222534	0.00231	0.003055	1.09E-03	1.22E-03	3.35E-03	1.09E-03	3.03E-04	5.97E-04	3.58E-04	2.35E-04	3.32E-04	1.63E-04
4703	565113.9	4222775	0.000689	0.000911	3.26E-04	3.65E-04	9.99E-04	3.26E-04	9.05E-05	1.78E-04	1.07E-04	7.00E-05	9.91E-05	4.87E-05
4704	565050.7	4222712	0.000961	0.001271	4.55E-04	5.10E-04	1.39E-03	4.55E-04	1.26E-04	2.48E-04	1.49E-04	9.77E-05	1.38E-04	6.80E-05
4705	564991.2	4222581	0.001855	0.002454	8.79E-04	9.84E-04	2.69E-03	8.79E-04	2.44E-04	4.79E-04	2.88E-04	1.89E-04	2.67E-04	1.31E-04
4706	564986	4222570	0.001945	0.002572	9.21E-04	1.03E-03	2.82E-03	9.21E-04	2.55E-04	5.02E-04	3.01E-04	1.98E-04	2.80E-04	1.38E-04
4707	564977.2	4222550	0.002093	0.002768	9.92E-04	1.11E-03	3.03E-03	9.92E-04	2.75E-04	5.41E-04	3.24E-04	2.13E-04	3.01E-04	1.48E-04
4708	565049.7	4222754	0.000773	0.001023	3.66E-04	4.10E-04	1.12E-03	3.66E-04	1.02E-04	2.00E-04	1.20E-04	7.86E-05	1.11E-04	5.47E-05
4709	564978.1	4222596	0.001691	0.002236	8.01E-04	8.96E-04	2.45E-03	8.01E-04	2.22E-04	4.37E-04	2.62E-04	1.72E-04	2.43E-04	1.20E-04
4710	564972.9	4222585	0.001772	0.002343	8.39E-04	9.39E-04	2.57E-03	8.39E-04	2.33E-04	4.58E-04	2.75E-04	1.80E-04	2.55E-04	1.25E-04
4711	564967.6	4222573	0.001852	0.00245	8.78E-04	9.82E-04	2.69E-03	8.78E-04	2.43E-04	4.79E-04	2.87E-04	1.88E-04	2.66E-04	1.31E-04
4712	565103.2	4222810	0.000589	0.000779	2.79E-04	3.12E-04	8.54E-04	2.79E-04	7.74E-05	1.52E-04	9.13E-05	5.99E-05	8.48E-05	4.17E-05
4713	565026	4222746	0.000807	0.001067	3.82E-04	4.28E-04	1.17E-03	3.82E-04	1.06E-04	2.08E-04	1.25E-04	8.20E-05	1.16E-04	5.70E-05
4714	564965	4222612	0.001545	0.002043	7.32E-04	8.19E-04	2.24E-03	7.32E-04	2.03E-04	3.99E-04	2.40E-04	1.57E-04	2.22E-04	1.09E-04
4715	564959.8	4222600	0.00162	0.002142	7.67E-04	8.59E-04	2.35E-03	7.67E-04	2.13E-04	4.18E-04	2.51E-04	1.65E-04	2.33E-04	1.15E-04
4716	564954.5	4222589	0.001693	0.00224	8.02E-04	8.98E-04	2.46E-03	8.02E-04	2.22E-04	4.37E-04	2.63E-04	1.72E-04	2.44E-04	1.20E-04
4717	564949.3	4222577	0.001767	0.002337	8.37E-04	9.37E-04	2.56E-03	8.37E-04	2.32E-04	4.57E-04	2.74E-04	1.80E-04	2.54E-04	1.25E-04
4718	565110	4222832	0.000538	0.000712	2.55E-04	2.85E-04	7.80E-04	2.55E-04	7.07E-05	1.39E-04	8.34E-05	5.47E-05	7.74E-05	3.81E-05
4719	565081.8	4222823	0.000561	0.000742	2.66E-04	2.98E-04	8.14E-04	2.66E-04	7.37E-05	1.45E-04	8.70E-05	5.71E-05	8.08E-05	3.97E-05
4720	565069.8	4222819	0.000572	0.000756	2.71E-04	3.03E-04	8.29E-04	2.71E-04	7.51E-05	1.48E-04	8.87E-05	5.81E-05	8.23E-05	4.04E-05
4721	565031.9	4222804	0.000616	0.000815	2.92E-04	3.27E-04	8.93E-04	2.92E-04	8.09E-05	1.59E-04	9.55E-05	6.26E-05	8.86E-05	4.36E-05
4722	565023.2	4222784	0.000672	0.000889	3.19E-04	3.57E-04	9.75E-04	3.19E-04	8.83E-05	1.74E-04	1.04E-04	6.83E-05	9.67E-05	4.76E-05
4723	565012.7	4222761	0.00075	0.000992	3.55E-04	3.98E-04	1.09E-03	3.55E-04	9.85E-05	1.94E-04	1.16E-04	7.63E-05	1.08E-04	5.31E-05
4724	564946.6	4222616	0.001484	0.001963	7.03E-04	7.87E-04	2.15E-03	7.03E-04	1.95E-04	3.83E-04	2.30E-04	1.51E-04	2.14E-04	1.05E-04
4725	564941.4	4222604	0.001553	0.002054	7.36E-04	8.23E-04	2.25E-03	7.36E-04	2.04E-04	4.01E-04	2.41E-04	1.58E-04	2.23E-04	1.10E-04
4726	564936.2	4222592	0.001621	0.002144	7.68E-04	8.60E-04	2.35E-03	7.68E-04	2.13E-04	4.19E-04	2.51E-04	1.65E-04	2.33E-04	1.15E-04
4727	564931	4222581	0.001689	0.002234	8.00E-04	8.96E-04	2.45E-03	8.00E-04	2.22E-04	4.36E-04	2.62E-04	1.72E-04	2.43E-04	1.19E-04
4728	564925.7	4222569	0.001756	0.002323	8.32E-04	9.31E-04	2.55E-03	8.32E-04	2.31E-04	4.54E-04	2.72E-04	1.78E-04	2.53E-04	1.24E-04
4729	565084.5	4222843	0.000517	0.000684	2.45E-04	2.74E-04	7.50E-04	2.45E-04	6.79E-05	1.34E-04	8.02E-05	5.26E-05	7.44E-05	3.66E-05

4730	565072.5	4222839	0.000526	0.000696	2.49E-04	2.79E-04	7.63E-04	2.49E-04	6.91E-05	1.36E-04	8.16E-05	5.35E-05	7.57E-05	3.72E-05
4731	565060.5	4222835	0.000536	0.000709	2.54E-04	2.84E-04	7.77E-04	2.54E-04	7.04E-05	1.38E-04	8.31E-05	5.44E-05	7.71E-05	3.79E-05
4732	565032.4	4222826	0.000559	0.000739	2.65E-04	2.96E-04	8.10E-04	2.65E-04	7.34E-05	1.44E-04	8.66E-05	5.68E-05	8.04E-05	3.95E-05
4733	564999.5	4222776	0.0007	0.000926	3.32E-04	3.71E-04	1.01E-03	3.32E-04	9.19E-05	1.81E-04	1.09E-04	7.11E-05	1.01E-04	4.95E-05
4734	564933.5	4222631	0.001364	0.001804	6.46E-04	7.23E-04	1.98E-03	6.46E-04	1.79E-04	3.52E-04	2.11E-04	1.39E-04	1.96E-04	9.65E-05
4735	564928.3	4222619	0.001427	0.001887	6.76E-04	7.57E-04	2.07E-03	6.76E-04	1.87E-04	3.69E-04	2.21E-04	1.45E-04	2.05E-04	1.01E-04
4736	564923.1	4222608	0.00149	0.001971	7.06E-04	7.90E-04	2.16E-03	7.06E-04	1.96E-04	3.85E-04	2.31E-04	1.51E-04	2.14E-04	1.05E-04
4737	564917.8	4222596	0.001553	0.002054	7.36E-04	8.23E-04	2.25E-03	7.36E-04	2.04E-04	4.01E-04	2.41E-04	1.58E-04	2.23E-04	1.10E-04
4738	564912.6	4222585	0.001615	0.002136	7.65E-04	8.56E-04	2.34E-03	7.65E-04	2.12E-04	4.17E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
4739	565099.2	4222867	0.000471	0.000623	2.23E-04	2.50E-04	6.83E-04	2.23E-04	6.19E-05	1.22E-04	7.30E-05	4.79E-05	6.78E-05	3.33E-05
4740	565071.2	4222858	0.000489	0.000647	2.32E-04	2.59E-04	7.09E-04	2.32E-04	6.43E-05	1.26E-04	7.58E-05	4.97E-05	7.04E-05	3.46E-05
4741	565059.2	4222854	0.000497	0.000658	2.36E-04	2.64E-04	7.21E-04	2.36E-04	6.53E-05	1.29E-04	7.71E-05	5.06E-05	7.16E-05	3.52E-05
4742	565047.1	4222850	0.000506	0.000669	2.40E-04	2.68E-04	7.34E-04	2.40E-04	6.65E-05	1.31E-04	7.84E-05	5.14E-05	7.28E-05	3.58E-05
4743	565015.1	4222840	0.00053	0.000701	2.51E-04	2.81E-04	7.69E-04	2.51E-04	6.96E-05	1.37E-04	8.22E-05	5.39E-05	7.63E-05	3.75E-05
4744	564996.7	4222814	0.000592	0.000783	2.80E-04	3.14E-04	8.58E-04	2.80E-04	7.77E-05	1.53E-04	9.17E-05	6.01E-05	8.51E-05	4.18E-05
4745	564988	4222795	0.000644	0.000851	3.05E-04	3.41E-04	9.33E-04	3.05E-04	8.45E-05	1.66E-04	9.98E-05	6.54E-05	9.26E-05	4.55E-05
4746	564979.3	4222776	0.000702	0.000928	3.33E-04	3.72E-04	1.02E-03	3.33E-04	9.22E-05	1.81E-04	1.09E-04	7.13E-05	1.01E-04	4.97E-05
4747	564915.1	4222634	0.001315	0.001739	6.23E-04	6.97E-04	1.91E-03	6.23E-04	1.73E-04	3.40E-04	2.04E-04	1.34E-04	1.89E-04	9.30E-05
4748	564909.9	4222623	0.001373	0.001816	6.50E-04	7.28E-04	1.99E-03	6.50E-04	1.80E-04	3.55E-04	2.13E-04	1.40E-04	1.98E-04	9.71E-05
4749	564904.7	4222612	0.001431	0.001893	6.78E-04	7.59E-04	2.07E-03	6.78E-04	1.88E-04	3.70E-04	2.22E-04	1.45E-04	2.06E-04	1.01E-04
4750	564899.5	4222600	0.001489	0.001969	7.05E-04	7.89E-04	2.16E-03	7.05E-04	1.96E-04	3.85E-04	2.31E-04	1.51E-04	2.14E-04	1.05E-04
4751	564894.3	4222589	0.001546	0.002045	7.32E-04	8.20E-04	2.24E-03	7.32E-04	2.03E-04	3.99E-04	2.40E-04	1.57E-04	2.22E-04	1.09E-04
4752	565086.8	4222882	0.000446	0.00059	2.12E-04	2.37E-04	6.47E-04	2.12E-04	5.86E-05	1.15E-04	6.92E-05	4.54E-05	6.42E-05	3.16E-05
4753	565074.7	4222878	0.000453	0.0006	2.15E-04	2.40E-04	6.57E-04	2.15E-04	5.95E-05	1.17E-04	7.03E-05	4.61E-05	6.52E-05	3.21E-05
4754	565062.5	4222874	0.000461	0.000609	2.18E-04	2.44E-04	6.68E-04	2.18E-04	6.05E-05	1.19E-04	7.14E-05	4.68E-05	6.63E-05	3.26E-05
4755	565001.9	4222855	0.000501	0.000662	2.37E-04	2.65E-04	7.26E-04	2.37E-04	6.57E-05	1.29E-04	7.76E-05	5.09E-05	7.20E-05	3.54E-05
4756	564974.5	4222810	0.000605	0.000801	2.87E-04	3.21E-04	8.78E-04	2.87E-04	7.95E-05	1.56E-04	9.38E-05	6.15E-05	8.71E-05	4.28E-05
4757	564897.5	4222640	0.001261	0.001667	5.97E-04	6.68E-04	1.83E-03	5.97E-04	1.66E-04	3.26E-04	1.95E-04	1.28E-04	1.81E-04	8.91E-05
4758	564892.3	4222628	0.001315	0.001739	6.23E-04	6.97E-04	1.91E-03	6.23E-04	1.73E-04	3.40E-04	2.04E-04	1.34E-04	1.89E-04	9.30E-05
4759	564887	4222617	0.001369	0.00181	6.49E-04	7.26E-04	1.98E-03	6.49E-04	1.80E-04	3.54E-04	2.12E-04	1.39E-04	1.97E-04	9.68E-05
4760	564881.8	4222605	0.001423	0.001882	6.74E-04	7.54E-04	2.06E-03	6.74E-04	1.87E-04	3.68E-04	2.21E-04	1.45E-04	2.05E-04	1.01E-04
4761	565089.5	4222902	0.000416	0.00055	1.97E-04	2.21E-04	6.03E-04	1.97E-04	5.47E-05	1.08E-04	6.45E-05	4.23E-05	5.99E-05	2.94E-05
4762	565073.4	4222897	0.000424	0.000561	2.01E-04	2.25E-04	6.15E-04	2.01E-04	5.57E-05	1.10E-04	6.58E-05	4.31E-05	6.10E-05	3.00E-05
4763	565061.3	4222893	0.000431	0.000569	2.04E-04	2.28E-04	6.24E-04	2.04E-04	5.65E-05	1.11E-04	6.67E-05	4.38E-05	6.19E-05	3.04E-05
4764	565049.2	4222889	0.000437	0.000578	2.07E-04	2.32E-04	6.34E-04	2.07E-04	5.74E-05	1.13E-04	6.78E-05	4.44E-05	6.29E-05	3.09E-05
4765	565024.9	4222881	0.000451	0.000596	2.14E-04	2.39E-04	6.54E-04	2.14E-04	5.92E-05	1.17E-04	6.99E-05	4.58E-05	6.49E-05	3.19E-05
4766	565012.8	4222878	0.000458	0.000606	2.17E-04	2.43E-04	6.64E-04	2.17E-04	6.02E-05	1.18E-04	7.10E-05	4.66E-05	6.59E-05	3.24E-05
4767	564988.6	4222870	0.000474	0.000626	2.24E-04	2.51E-04	6.87E-04	2.24E-04	6.22E-05	1.22E-04	7.34E-05	4.81E-05	6.81E-05	3.35E-05
4768	564963	4222829	0.00056	0.000741	2.65E-04	2.97E-04	8.12E-04	2.65E-04	7.35E-05	1.45E-04	8.68E-05	5.69E-05	8.06E-05	3.96E-05
4769	564954.3	4222809	0.000608	0.000803	2.88E-04	3.22E-04	8.81E-04	2.88E-04	7.98E-05	1.57E-04	9.42E-05	6.17E-05	8.74E-05	4.30E-05
4770	564884.4	4222655	0.001167	0.001543	5.53E-04	6.19E-04	1.69E-03	5.53E-04	1.53E-04	3.01E-04	1.81E-04	1.19E-04	1.68E-04	8.25E-05
4771	564873.9	4222632	0.001267	0.001676	6.00E-04	6.72E-04	1.84E-03	6.00E-04	1.66E-04	3.27E-04	1.96E-04	1.29E-04	1.82E-04	8.96E-05
4772	564868.7	4222620	0.001317	0.001742	6.24E-04	6.98E-04	1.91E-03	6.24E-04	1.73E-04	3.40E-04	2.04E-04	1.34E-04	1.89E-04	9.32E-05
4773	565326.1	4222996	0.00032	0.000423	1.51E-04	1.69E-04	4.63E-04	1.51E-04	4.20E-05	8.26E-05	4.96E-05	3.25E-05	4.60E-05	2.26E-05
4774	565305.9	4222989	0.000322	0.000426	1.53E-04	1.71E-04	4.67E-04	1.53E-04	4.23E-05	8.32E-05	4.99E-05	3.27E-05	4.63E-05	2.28E-05
4775	565281.7	4222982	0.000326	0.000431	1.54E-04	1.73E-04	4.73E-04	1.54E-04	4.28E-05	8.42E-05	5.05E-05	3.31E-05	4.69E-05	2.30E-05
4776	565269.6	4222978	0.000328	0.000434	1.56E-04	1.74E-04	4.76E-04	1.56E-04	4.31E-05	8.48E-05	5.09E-05	3.34E-05	4.72E-05	2.32E-05
4777	565257.5	4222974	0.000331	0.000438	1.57E-04	1.76E-04	4.80E-04	1.57E-04	4.35E-05	8.55E-05	5.13E-05	3.36E-05	4.76E-05	2.34E-05
4778	565245.4	4222970	0.000334	0.000442	1.58E-04	1.77E-04	4.84E-04	1.58E-04	4.39E-05	8.63E-05	5.18E-05	3.39E-05	4.81E-05	2.36E-05
4779	565233.3	4222966	0.000337	0.000446	1.60E-04	1.79E-04	4.89E-04	1.60E-04	4.43E-05	8.72E-05	5.23E-05	3.43E-05	4.85E-05	2.39E-05
4780	565221.2	4222963	0.000341	0.000451	1.62E-04	1.81E-04	4.94E-04	1.62E-04	4.48E-05	8.81E-05	5.29E-05	3.46E-05	4.90E-05	2.41E-05
4781	565180.9	4222950	0.000354	0.000469	1.68E-04	1.88E-04	5.14E-04	1.68E-04	4.65E-05	9.15E-05	5.49E-05	3.60E-05	5.10E-05	2.51E-05
4782	565168.8	4222946	0.000359	0.000474	1.70E-04	1.90E-04	5.20E-04	1.70E-04	4.71E-05	9.27E-05	5.56E-05	3.64E-05	5.16E-05	2.54E-05
4783	565156.7	4222942	0.000363	0.00048	1.72E-04	1.93E-04	5.26E-04	1.72E-04	4.77E-05	9.38E-05	5.63E-05	3.69E-05	5.22E-05	2.57E-05
4784	565144.6	4222938	0.000368	0.000486	1.74E-04	1.95E-04	5.33E-04	1.74E-04	4.83E-05	9.50E-05	5.70E-05	3.74E-05	5.29E-05	2.60E-05
4785	565132.5	4222935	0.000373	0.000493	1.76E-04	1.98E-04	5.40E-04	1.76E-04	4.89E-05	9.62E-05	5.77E-05	3.79E-05	5.36E-05	2.63E-05
4786	565108.3	4222927	0.000382	0.000506	1.81E-04	2.03E-04	5.54E-04	1.81E-04	5.02E-05	9.88E-05	5.93E-05	3.89E-05	5.50E-05	2.70E-05
4787	565080.1	4222918	0.000394	0.000522	1.87E-04	2.09E-04	5.72E-04	1.87E-04	5.18E-05	1.02E-04	6.12E-05	4.01E-05	5.67E-05	2.79E-05
4788	565068	4222914	0.0004	0.000529	1.89E-04	2.12E-04	5.80E-04	1.89E-04	5.25E-05	1.03E-04	6.20E-05	4.06E-05	5.75E-05	2.83E-05
4789	565055.9	4222910	0.000406	0.000536	1.92E-04	2.15E-04	5.88E-04	1.92E-04	5.33E-05	1.05E-04	6.29E-05	4.12E-05	5.83E-05	2.87E-05
4790	565031.7	4222903	0.000418	0.000552	1.98E-04	2.21E-04	6.05E-04	1.98E-04	5.48E-05	1.08E-04	6.47E-05	4.24E-05	6.01E-05	2.95E-05
4791	565019.6	4222899	0.000424	0.000561	2.01E-04	2.25E-04	6.15E-04	2.01E-04	5.57E-05	1.10E-04	6.57E-05	4.31E-05	6.10E-05	3.00E-05
4792	564975.3	4222885	0.000449	0.000594	2.13E-04	2.38E-04	6.51E-04	2.13E-04	5.90E-05	1.16E-04	6.96E-05	4.56E-05	6.46E-05	3.18E-05
4793	564958.5	4222863	0.000489	0.000647	2.32E-04	2.59E-04	7.09E-04	2.32E-04	6.42E-05	1.26E-04	7.58E-05	4.97E-05	7.03E-05	3.46E-05
4794	564949.8	4222844	0.000528	0.000698	2.50E-04	2.80E-04	7.66E-04	2.50E-04	6.94E-05	1.36E-04	8.19E-05	5.37E-05	7.60E-05	3.73E-05
4795	564944.5	4222832	0.000554	0.000732	2.62E-04	2.93E-04	8.02E-04	2.62E-04	7.27E-05	1.43E-04	8.58E-05	5.63E-05	7.96E-05	3.91E-05
4796	564935.8	4222813	0.0006	0.000793	2.84E-04	3.18E-04	8.70E-04	2.84E-04	7.88E-05	1.55E-04	9.30E-05	6.10E-05	8.63E-05	4.24E-05
4797	564871.3	4222670	0.001083	0.001432	5.13E-04	5.74E-04	1.57E-03	5.13E-04	1.42E-04	2.80E-04	1.68E-04	1.10E-04	1.56E-04	7.66E-05
4798	564866	4222659	0.001129	0.001493	5.35E-04	5.99E-04	1.64E-03	5.35E-04	1.48E-04	2.92E-04	1.75E-04	1.15E-04	1.62E-04	7.98E-05
4799	564855.5	4222636	0.001222	0.001616	5.79E-04	6.48E-04	1.77E-03	5.79E-04	1.60E-04	3.16E-04	1.89E-04	1.24E-04	1.76E-04	8.64E-05
4800	564850.3	4222624	0.001268	0.001677	6.01E-04	6.73E-04	1.84E-03	6.01E-04	1.67E-04	3.28E-04	1.97E-04	1.29E-04	1.82E-04	8.97E-05
4801	565328.4	4223016	0.000303	0.000401	1.44E-04	1.61E-04	4.40E-04	1.44E-04	3.99E-05	7.84E-05	4.70E-05	3.08E-05	4.37E-05	2.15E-05
4802	565316.3	4223012	0.000305	0.000403	1.44E-04	1.61E-04	4.42E-04	1.44E-04	4.00E-05	7.87E-05	4.72E-05	3.10E-05	4.38E-05	2.15E-05
4803	565304.3	4223008	0.000306	0.000405	1.45E-04	1.62E-04	4.44E-04	1.45E-04	4.02E-05	7.90E-05	4.74E-05	3.11E-05	4.40E-05	2.16E-05
4804	565280.1	4223000	0.000309	0.000409	1.47E-04	1.64E-04	4.49E-04	1.47E-04	4.06E-05	7.99E-05	4.80E-05	3.14E-05	4.45E-05	2.19E-05
4805	565268	4222997	0.000312	0.000412	1.48E-04	1.65E-04	4.52E-04	1.48E-04	4.09E-05	8.05E-05	4.83E-05	3.17E-05	4.48E-05	2.20E-05
4806	565255.9	4222993	0.000314	0.000415	1.49E-04	1.66E-04	4.55E-04	1.49E-04	4.12E-05	8.11E-05	4.87E-05	3.19E-05	4.52E-05	2.22E-05
4807	565243.9	4222989	0.000317	0.000419	1.50E-04	1.68E-04	4.59E-04	1.50E-04	4.16E-05	8.18E-05	4.91E-05	3.22E-05	4.56E-05	2.24E-05
4808	565231.8	4222985	0.00032	0.000423	1.51E-04	1.70E-04	4.64E-04	1.51E-04	4.20E-05	8.26E-05	4.96E-05	3.25E-05	4.60E-05	2.26E-05
4809	565219.7	4222981	0.000323	0.000427	1.53E-04	1.71E-04	4.68E-04	1.53E-04	4.24E-05	8.34E-05	5.01E-05	3.28E-05	4.65E-05	2.28E-05
4810	565179.4	4222969	0.000335	0.000443	1.59E-04	1.78E-04	4.86E-04	1.59E-04	4.40E-05	8.66E-05	5.19E-05	3.41E-05	4.82E-05	2.37E-05
4811	565167.4	4222965	0.000339	0.000448	1.61E-04	1.80E-04	4.92E-04	1.61E-04	4.45E-05	8.76E-05	5.26E-05	3.45E-05	4.88E-05	2.40E-05
4812	565155.3	4222961	0.000343	0.000454	1.63E-04	1.82E-04	4.97E-04	1.63E-04	4.51E-05	8.86E-05	5.32E-05	3.49E-05	4.94E-05	2.43E-05
4813	565143.2	4222957	0.000347	0.000459	1.65E-04	1.84E-04	5.04E-04	1.65E-04	4.56E-05	8.97E-05	5.38E-05	3.53E-05	5.00E-05	2.46E-05
4814	565131.1	4222953	0.000352	0.000465	1.67E-04	1.86E-04	5.10E-04	1.67E-04	4.62E-05	9.08E-05	5.45E-05	3.57E-05	5.06E-05	2.49E-05
4815	565107	4222946	0.000361	0.000477	1.71E-04	1.91E-04	5.23E-04	1.71E-04	4.73E-05	9.31E-05	5.59E-05	3.66E-05	5.19E-05	2.55E-05
4816	565094.9	4222942	0.000365	0.000483	1.73E-04	1.94E-04	5.29E-04	1.73E-04	4.79E-05	9.43E-05	5.66E-05	3.71E-05	5.25E-05	2.58E-05
4817	565074.8	4222935	0.000373	0.000493	1.77E-04	1.98E-04	5.41E-04	1.77E-04	4.90E-05	9.64E-05	5.78E-05	3.79E-05	5.37E-05	2.64E-05
4818	565062.7	4222932	0.000378	0.0005	1.79E-04	2.00E-04	5.48E-04	1.79E-04	4.96E-05	9.76E-05	5.86E-05	3.84E-05	5.44E-05	2.67E-05
4819	565050.6	4222928	0.000383	0.000507	1.81E-04	2.03E-04	5.55E-04	1.81E-04	5.03E-05	9.89E-05	5.94E-05	3.89E-05	5.51E-05	2.71E-05
4820	565026.4	4222920	0.000394	0.000521	1.87E-04	2.09E-04	5.71E-04	1.87E-04	5.17E-05	1.02E-04	6.10E-05	4.00E-05	5.66E-05	2.78E-05

4821	565014.4	4222916	0.000399	0.000528	1.89E-04	2.12E-04	5.79E-04	1.89E-04	5.24E-05	1.03E-04	6.19E-05	4.06E-05	5.74E-05	2.82E-05
4822	565002.3	4222913	0.000405	0.000536	1.92E-04	2.15E-04	5.87E-04	1.92E-04	5.32E-05	1.05E-04	6.28E-05	4.12E-05	5.83E-05	2.87E-05
4823	564990.2	4222909	0.000411	0.000544	1.95E-04	2.18E-04	5.96E-04	1.95E-04	5.40E-05	1.06E-04	6.38E-05	4.18E-05	5.92E-05	2.91E-05
4824	564978.1	4222905	0.000418	0.000552	1.98E-04	2.21E-04	6.05E-04	1.98E-04	5.48E-05	1.08E-04	6.47E-05	4.24E-05	6.01E-05	2.95E-05
4825	564966	4222901	0.000424	0.000561	2.01E-04	2.25E-04	6.15E-04	2.01E-04	5.57E-05	1.10E-04	6.58E-05	4.31E-05	6.10E-05	3.00E-05
4826	564952.2	4222893	0.000437	0.000578	2.07E-04	2.32E-04	6.34E-04	2.07E-04	5.74E-05	1.13E-04	6.77E-05	4.44E-05	6.29E-05	3.09E-05
4827	564947	4222882	0.000456	0.000603	2.16E-04	2.42E-04	6.62E-04	2.16E-04	5.99E-05	1.18E-04	7.07E-05	4.64E-05	6.56E-05	3.23E-05
4828	564936.5	4222859	0.000499	0.00066	2.36E-04	2.64E-04	7.23E-04	2.36E-04	6.55E-05	1.29E-04	7.73E-05	5.07E-05	7.18E-05	3.53E-05
4829	564931.3	4222847	0.000522	0.00069	2.47E-04	2.77E-04	7.57E-04	2.47E-04	6.86E-05	1.35E-04	8.09E-05	5.31E-05	7.51E-05	3.69E-05
4830	564922.6	4222828	0.000564	0.000746	2.67E-04	2.99E-04	8.18E-04	2.67E-04	7.41E-05	1.46E-04	8.75E-05	5.74E-05	8.12E-05	3.99E-05
4831	564858.1	4222686	0.001007	0.001332	4.77E-04	5.34E-04	1.46E-03	4.77E-04	1.32E-04	2.60E-04	1.56E-04	1.02E-04	1.45E-04	7.12E-05
4832	564852.9	4222674	0.00105	0.001388	4.97E-04	5.57E-04	1.52E-03	4.97E-04	1.38E-04	2.71E-04	1.63E-04	1.07E-04	1.51E-04	7.42E-05
4833	564847.6	4222663	0.001093	0.001445	5.18E-04	5.80E-04	1.58E-03	5.18E-04	1.44E-04	2.82E-04	1.69E-04	1.11E-04	1.57E-04	7.73E-05
4834	564837.2	4222640	0.001179	0.00156	5.59E-04	6.25E-04	1.71E-03	5.59E-04	1.55E-04	3.05E-04	1.83E-04	1.20E-04	1.70E-04	8.34E-05
4835	564832	4222628	0.001222	0.001616	5.79E-04	6.48E-04	1.77E-03	5.79E-04	1.61E-04	3.16E-04	1.89E-04	1.24E-04	1.76E-04	8.64E-05
4836	564767.5	4222486	0.001657	0.002192	7.85E-04	8.79E-04	2.40E-03	7.85E-04	2.18E-04	4.28E-04	2.57E-04	1.68E-04	2.38E-04	1.17E-04
4837	565330.8	4223036	0.000289	0.000382	1.37E-04	1.53E-04	4.18E-04	1.37E-04	3.79E-05	7.46E-05	4.47E-05	2.93E-05	4.15E-05	2.04E-05
4838	565318.7	4223032	0.000289	0.000383	1.37E-04	1.53E-04	4.20E-04	1.37E-04	3.80E-05	7.48E-05	4.49E-05	2.94E-05	4.16E-05	2.05E-05
4839	565306.6	4223028	0.000291	0.000384	1.38E-04	1.54E-04	4.21E-04	1.38E-04	3.82E-05	7.51E-05	4.51E-05	2.95E-05	4.18E-05	2.06E-05
4840	565282.5	4223020	0.000294	0.000388	1.39E-04	1.56E-04	4.26E-04	1.39E-04	3.86E-05	7.59E-05	4.55E-05	2.98E-05	4.22E-05	2.08E-05
4841	565270.4	4223016	0.000296	0.000391	1.40E-04	1.57E-04	4.28E-04	1.40E-04	3.88E-05	7.63E-05	4.58E-05	3.00E-05	4.25E-05	2.09E-05
4842	565258.4	4223013	0.000298	0.000394	1.41E-04	1.58E-04	4.32E-04	1.41E-04	3.91E-05	7.69E-05	4.61E-05	3.02E-05	4.28E-05	2.11E-05
4843	565246.3	4223009	0.0003	0.000397	1.42E-04	1.59E-04	4.35E-04	1.42E-04	3.94E-05	7.75E-05	4.65E-05	3.05E-05	4.32E-05	2.12E-05
4844	565234.2	4223005	0.000303	0.0004	1.43E-04	1.60E-04	4.39E-04	1.43E-04	3.97E-05	7.82E-05	4.69E-05	3.08E-05	4.35E-05	2.14E-05
4845	565222.2	4223001	0.000305	0.000404	1.45E-04	1.62E-04	4.43E-04	1.45E-04	4.01E-05	7.89E-05	4.74E-05	3.10E-05	4.39E-05	2.16E-05
4846	565198.1	4222994	0.000312	0.000412	1.48E-04	1.65E-04	4.52E-04	1.48E-04	4.09E-05	8.05E-05	4.83E-05	3.17E-05	4.48E-05	2.20E-05
4847	565186	4222990	0.000315	0.000417	1.49E-04	1.67E-04	4.57E-04	1.49E-04	4.14E-05	8.14E-05	4.89E-05	3.20E-05	4.53E-05	2.23E-05
4848	565173.9	4222986	0.000319	0.000421	1.51E-04	1.69E-04	4.62E-04	1.51E-04	4.19E-05	8.23E-05	4.94E-05	3.24E-05	4.58E-05	2.25E-05
4849	565161.9	4222982	0.000322	0.000426	1.53E-04	1.71E-04	4.67E-04	1.53E-04	4.23E-05	8.33E-05	5.00E-05	3.28E-05	4.64E-05	2.28E-05
4850	565149.8	4222978	0.000326	0.000431	1.54E-04	1.73E-04	4.73E-04	1.54E-04	4.28E-05	8.42E-05	5.06E-05	3.31E-05	4.69E-05	2.31E-05
4851	565137.7	4222975	0.00033	0.000436	1.56E-04	1.75E-04	4.78E-04	1.56E-04	4.33E-05	8.52E-05	5.11E-05	3.35E-05	4.75E-05	2.33E-05
4852	565113.6	4222967	0.000338	0.000447	1.60E-04	1.79E-04	4.90E-04	1.60E-04	4.44E-05	8.73E-05	5.24E-05	3.43E-05	4.86E-05	2.39E-05
4853	565101.5	4222963	0.000342	0.000452	1.62E-04	1.81E-04	4.96E-04	1.62E-04	4.49E-05	8.84E-05	5.30E-05	3.48E-05	4.92E-05	2.42E-05
4854	565089.5	4222959	0.000346	0.000458	1.64E-04	1.84E-04	5.02E-04	1.64E-04	4.55E-05	8.94E-05	5.37E-05	3.52E-05	4.98E-05	2.45E-05
4855	565077.4	4222955	0.00035	0.000464	1.66E-04	1.86E-04	5.08E-04	1.66E-04	4.60E-05	9.05E-05	5.43E-05	3.56E-05	5.04E-05	2.48E-05
4856	565065.3	4222952	0.000355	0.000469	1.68E-04	1.88E-04	5.14E-04	1.68E-04	4.66E-05	9.17E-05	5.50E-05	3.61E-05	5.10E-05	2.51E-05
4857	565053.3	4222948	0.000359	0.000475	1.70E-04	1.91E-04	5.21E-04	1.70E-04	4.72E-05	9.28E-05	5.57E-05	3.65E-05	5.17E-05	2.54E-05
4858	565029.2	4222940	0.000369	0.000488	1.75E-04	1.96E-04	5.35E-04	1.75E-04	4.84E-05	9.53E-05	5.72E-05	3.75E-05	5.30E-05	2.61E-05
4859	565017.1	4222936	0.000374	0.000494	1.77E-04	1.98E-04	5.42E-04	1.77E-04	4.91E-05	9.65E-05	5.79E-05	3.80E-05	5.38E-05	2.64E-05
4860	565005	4222933	0.000379	0.000501	1.79E-04	2.01E-04	5.49E-04	1.79E-04	4.98E-05	9.79E-05	5.87E-05	3.85E-05	5.45E-05	2.68E-05
4861	564993	4222929	0.000384	0.000508	1.82E-04	2.04E-04	5.57E-04	1.82E-04	5.05E-05	9.92E-05	5.96E-05	3.90E-05	5.53E-05	2.72E-05
4862	564980.9	4222925	0.00039	0.000515	1.85E-04	2.07E-04	5.65E-04	1.85E-04	5.12E-05	1.01E-04	6.04E-05	3.96E-05	5.61E-05	2.76E-05
4863	564968.8	4222921	0.000395	0.000523	1.87E-04	2.10E-04	5.73E-04	1.87E-04	5.19E-05	1.02E-04	6.13E-05	4.02E-05	5.69E-05	2.80E-05
4864	564956.8	4222917	0.000401	0.000531	1.90E-04	2.13E-04	5.82E-04	1.90E-04	5.27E-05	1.04E-04	6.22E-05	4.08E-05	5.77E-05	2.84E-05
4865	564944.7	4222913	0.000408	0.000539	1.93E-04	2.16E-04	5.91E-04	1.93E-04	5.35E-05	1.05E-04	6.32E-05	4.14E-05	5.86E-05	2.88E-05
4866	564937.2	4222905	0.000421	0.000557	1.99E-04	2.23E-04	6.10E-04	1.99E-04	5.53E-05	1.09E-04	6.53E-05	4.28E-05	6.06E-05	2.98E-05
4867	564932	4222893	0.000439	0.000581	2.08E-04	2.33E-04	6.37E-04	2.08E-04	5.77E-05	1.13E-04	6.81E-05	4.46E-05	6.32E-05	3.11E-05
4868	564926.8	4222881	0.000459	0.000606	2.17E-04	2.43E-04	6.65E-04	2.17E-04	6.02E-05	1.18E-04	7.11E-05	4.66E-05	6.60E-05	3.24E-05
4869	564921.5	4222870	0.000479	0.000634	2.27E-04	2.54E-04	6.95E-04	2.27E-04	6.29E-05	1.24E-04	7.43E-05	4.87E-05	6.89E-05	3.39E-05
4870	564916.3	4222858	0.000501	0.000662	2.37E-04	2.66E-04	7.26E-04	2.37E-04	6.58E-05	1.29E-04	7.77E-05	5.09E-05	7.21E-05	3.54E-05
4871	564911.1	4222847	0.000524	0.000693	2.48E-04	2.78E-04	7.60E-04	2.48E-04	6.88E-05	1.35E-04	8.12E-05	5.33E-05	7.54E-05	3.71E-05
4872	564904.1	4222832	0.000557	0.000737	2.64E-04	2.96E-04	8.08E-04	2.64E-04	7.32E-05	1.44E-04	8.64E-05	5.66E-05	8.02E-05	3.94E-05
4873	564845	4222701	0.000938	0.001241	4.45E-04	4.97E-04	1.36E-03	4.45E-04	1.23E-04	2.42E-04	1.45E-04	9.54E-05	1.35E-04	6.64E-05
4874	564839.7	4222689	0.000978	0.001293	4.63E-04	5.19E-04	1.42E-03	4.63E-04	1.28E-04	2.53E-04	1.52E-04	9.94E-05	1.41E-04	6.92E-05
4875	564834.5	4222678	0.001018	0.001347	4.82E-04	5.40E-04	1.48E-03	4.82E-04	1.34E-04	2.63E-04	1.58E-04	1.03E-04	1.46E-04	7.20E-05
4876	564829.3	4222666	0.001059	0.0014	5.01E-04	5.61E-04	1.53E-03	5.01E-04	1.39E-04	2.73E-04	1.64E-04	1.08E-04	1.52E-04	7.49E-05
4877	564824.1	4222655	0.001099	0.001453	5.21E-04	5.83E-04	1.59E-03	5.21E-04	1.44E-04	2.84E-04	1.70E-04	1.12E-04	1.58E-04	7.77E-05
4878	564749.2	4222490	0.00158	0.00209	7.49E-04	8.38E-04	2.29E-03	7.49E-04	2.08E-04	4.08E-04	2.45E-04	1.61E-04	2.27E-04	1.12E-04
4879	565333.1	4223055	0.000275	0.000364	1.30E-04	1.46E-04	3.98E-04	1.30E-04	3.61E-05	7.10E-05	4.26E-05	2.79E-05	3.95E-05	1.94E-05
4880	565321	4223052	0.000276	0.000365	1.31E-04	1.46E-04	4.00E-04	1.31E-04	3.62E-05	7.12E-05	4.27E-05	2.80E-05	3.96E-05	1.95E-05
4881	565309	4223048	0.000277	0.000366	1.31E-04	1.47E-04	4.01E-04	1.31E-04	3.63E-05	7.15E-05	4.29E-05	2.81E-05	3.98E-05	1.96E-05
4882	565284.9	4223040	0.000279	0.000369	1.32E-04	1.48E-04	4.05E-04	1.32E-04	3.67E-05	7.21E-05	4.33E-05	2.84E-05	4.02E-05	1.97E-05
4883	565272.8	4223036	0.000281	0.000371	1.33E-04	1.49E-04	4.07E-04	1.33E-04	3.69E-05	7.25E-05	4.35E-05	2.85E-05	4.04E-05	1.99E-05
4884	565260.8	4223033	0.000283	0.000374	1.34E-04	1.50E-04	4.10E-04	1.34E-04	3.71E-05	7.30E-05	4.38E-05	2.87E-05	4.07E-05	2.00E-05
4885	565248.7	4223029	0.000285	0.000377	1.35E-04	1.51E-04	4.13E-04	1.35E-04	3.74E-05	7.36E-05	4.41E-05	2.89E-05	4.10E-05	2.01E-05
4886	565236.7	4223025	0.000287	0.00038	1.36E-04	1.52E-04	4.16E-04	1.36E-04	3.77E-05	7.41E-05	4.45E-05	2.92E-05	4.13E-05	2.03E-05
4887	565224.6	4223021	0.000289	0.000383	1.37E-04	1.53E-04	4.20E-04	1.37E-04	3.80E-05	7.48E-05	4.49E-05	2.94E-05	4.16E-05	2.05E-05
4888	565212.6	4223017	0.000292	0.000386	1.38E-04	1.55E-04	4.24E-04	1.38E-04	3.84E-05	7.55E-05	4.53E-05	2.97E-05	4.20E-05	2.07E-05
4889	565188.5	4223010	0.000298	0.000394	1.41E-04	1.58E-04	4.32E-04	1.41E-04	3.92E-05	7.70E-05	4.62E-05	3.03E-05	4.29E-05	2.11E-05
4890	565176.4	4223006	0.000301	0.000399	1.43E-04	1.60E-04	4.37E-04	1.43E-04	3.96E-05	7.79E-05	4.67E-05	3.06E-05	4.33E-05	2.13E-05
4891	565164.4	4223002	0.000305	0.000403	1.44E-04	1.62E-04	4.42E-04	1.44E-04	4.00E-05	7.87E-05	4.72E-05	3.10E-05	4.38E-05	2.15E-05
4892	565104.1	4222983	0.000323	0.000427	1.53E-04	1.71E-04	4.68E-04	1.53E-04	4.24E-05	8.33E-05	5.00E-05	3.28E-05	4.64E-05	2.28E-05
4893	565092.1	4222979	0.000326	0.000432	1.55E-04	1.73E-04	4.73E-04	1.55E-04	4.29E-05	8.43E-05	5.06E-05	3.32E-05	4.69E-05	2.31E-05
4894	565080	4222975	0.00033	0.000437	1.56E-04	1.75E-04	4.79E-04	1.56E-04	4.34E-05	8.53E-05	5.12E-05	3.36E-05	4.75E-05	2.33E-05
4895	565068	4222972	0.000334	0.000442	1.58E-04	1.77E-04	4.84E-04	1.58E-04	4.39E-05	8.63E-05	5.18E-05	3.40E-05	4.81E-05	2.36E-05
4896	565055.9	4222968	0.000338	0.000447	1.60E-04	1.79E-04	4.90E-04	1.60E-04	4.44E-05	8.73E-05	5.24E-05	3.44E-05	4.86E-05	2.39E-05
4897	565043.9	4222964	0.000342	0.000453	1.62E-04	1.81E-04	4.96E-04	1.62E-04	4.49E-05	8.84E-05	5.31E-05	3.48E-05	4.92E-05	2.42E-05
4898	565019.8	4222956	0.000351	0.000464	1.66E-04	1.86E-04	5.09E-04	1.66E-04	4.61E-05	9.06E-05	5.44E-05	3.57E-05	5.05E-05	2.48E-05
4899	565007.7	4222953	0.000355	0.00047	1.68E-04	1.88E-04	5.15E-04	1.68E-04	4.67E-05	9.18E-05	5.51E-05	3.61E-05	5.11E-05	2.51E-05
4900	564995.7	4222949	0.00036	0.000476	1.71E-04	1.91E-04	5.22E-04	1.71E-04	4.73E-05	9.30E-05	5.58E-05	3.66E-05	5.18E-05	2.55E-05
4901	564983.6	4222945	0.000365	0.000482	1.73E-04	1.93E-04	5.29E-04	1.73E-04	4.79E-05	9.43E-05	5.66E-05	3.71E-05	5.25E-05	2.58E-05
4902	564971.6	4222941	0.00037	0.000489	1.75E-04	1.96E-04	5.36E-04	1.75E-04	4.86E-05	9.56E-05	5.73E-05	3.76E-05	5.32E-05	2.62E-05
4903	564959.5	4222937	0.000375	0.000496	1.78E-04	1.99E-04	5.44E-04	1.78E-04	4.93E-05	9.69E-05	5.81E-05	3.81E-05	5.40E-05	2.65E-05
4904	564947.5	4222934	0.000381	0.000503	1.80E-04	2.02E-04	5.52E-04	1.80E-04	5.00E-05	9.83E-05	5.90E-05	3.87E-05	5.47E-05	2.69E-05
4905	564935.4	4222930	0.000386	0.000511	1.83E-04	2.05E-04	5.60E-04	1.83E-04	5.07E-05	9.98E-05	5.99E-05	3.92E-05	5.55E-05	2.73E-05
4906	564925.7	4222923	0.000395	0.000523	1.87E-04	2.10E-04	5.73E-04	1.87E-04	5.19E-05	1.02E-04	6.13E-05	4.02E-05	5.68E-05	2.79E-05
4907	564920.5	4222912	0.000412	0.000544	1.95E-04	2.18E-04	5.97E-04	1.95E-04	5.40E-05	1.06E-04	6.38E-05	4.18E-05	5.92E-05	2.91E-05
4908	564915.2	4222900	0.000429	0.000567	2.03E-04	2.27E-04	6.22E-04	2.03E-04	5.63E-05	1.11E-04	6.65E-05	4.36E-05	6.17E-05	3.03E-05
4909	564910	4222889	0.000448	0.000592	2.12E-04	2.37E-04	6.49E-04	2.12E-04	5.88E-05	1.16E-04	6.94E-05	4.55E-05	6.44E-05	3.16E-05
4910	564904.8	4222877	0.000467	0.000618	2.21E-04	2.48E-04	6.77E-04	2.21E-04	6.14E-05	1.21E-04	7.24E-05	4.75E-05	6.72E-05	3.30E-05
4911	564899.6	4222866	0.000488	0.000646	2.31E-04	2.59E-04	7.08E-04	2.31E-04	6.41E-05	1.26E-04	7.57E-05	4.96E-05	7.02E-05	3.45E-05

4912	564894.4	4222854	0.00051	0.000675	2.42E-04	2.71E-04	7.40E-04	2.42E-04	6.70E-05	1.32E-04	7.91E-05	5.19E-05	7.34E-05	3.61E-05
4913	564889.2	4222843	0.000534	0.000706	2.53E-04	2.83E-04	7.74E-04	2.53E-04	7.01E-05	1.38E-04	8.28E-05	5.43E-05	7.68E-05	3.78E-05
4914	564883.9	4222831	0.000559	0.000739	2.65E-04	2.96E-04	8.10E-04	2.65E-04	7.34E-05	1.44E-04	8.66E-05	5.68E-05	8.04E-05	3.95E-05
4915	564878.7	4222820	0.000585	0.000774	2.77E-04	3.10E-04	8.48E-04	2.77E-04	7.69E-05	1.51E-04	9.07E-05	5.95E-05	8.42E-05	4.14E-05
4916	564873.5	4222808	0.000613	0.00081	2.90E-04	3.25E-04	8.88E-04	2.90E-04	8.05E-05	1.58E-04	9.50E-05	6.23E-05	8.81E-05	4.33E-05
4917	564868.3	4222797	0.000642	0.000849	3.04E-04	3.40E-04	9.30E-04	3.04E-04	8.43E-05	1.66E-04	9.95E-05	6.52E-05	9.23E-05	4.54E-05
4918	564863.1	4222785	0.000672	0.000889	3.18E-04	3.56E-04	9.74E-04	3.18E-04	8.82E-05	1.74E-04	1.04E-04	6.83E-05	9.67E-05	4.75E-05
4919	564857.9	4222774	0.000703	0.00093	3.33E-04	3.73E-04	1.02E-03	3.33E-04	9.24E-05	1.82E-04	1.09E-04	7.15E-05	1.01E-04	4.97E-05
4920	564852.7	4222762	0.000736	0.000973	3.49E-04	3.90E-04	1.07E-03	3.49E-04	9.67E-05	1.90E-04	1.14E-04	7.48E-05	1.06E-04	5.21E-05
4921	564847.4	4222751	0.00077	0.001018	3.65E-04	4.08E-04	1.12E-03	3.65E-04	1.01E-04	1.99E-04	1.19E-04	7.82E-05	1.11E-04	5.44E-05
4922	564842.2	4222739	0.000804	0.001064	3.81E-04	4.26E-04	1.17E-03	3.81E-04	1.06E-04	2.08E-04	1.25E-04	8.17E-05	1.16E-04	5.69E-05
4923	564837	4222728	0.00084	0.001111	3.98E-04	4.45E-04	1.22E-03	3.98E-04	1.10E-04	2.17E-04	1.30E-04	8.54E-05	1.21E-04	5.94E-05
4924	564831.8	4222716	0.000876	0.001159	4.15E-04	4.65E-04	1.27E-03	4.15E-04	1.15E-04	2.26E-04	1.36E-04	8.90E-05	1.26E-04	6.20E-05
4925	564826.6	4222705	0.000913	0.001208	4.33E-04	4.84E-04	1.32E-03	4.33E-04	1.20E-04	2.36E-04	1.42E-04	9.28E-05	1.31E-04	6.46E-05
4926	564821.4	4222693	0.00095	0.001257	4.50E-04	5.04E-04	1.38E-03	4.50E-04	1.25E-04	2.46E-04	1.47E-04	9.66E-05	1.37E-04	6.72E-05
4927	564816.1	4222682	0.000988	0.001307	4.68E-04	5.24E-04	1.43E-03	4.68E-04	1.30E-04	2.55E-04	1.53E-04	1.00E-04	1.42E-04	6.99E-05
4928	565045.8	4222984	0.000323	0.000427	1.53E-04	1.71E-04	4.68E-04	1.53E-04	4.24E-05	8.34E-05	5.01E-05	3.28E-05	4.64E-05	2.28E-05
4929	565036	4223001	0.000307	0.000407	1.46E-04	1.63E-04	4.46E-04	1.46E-04	4.04E-05	7.94E-05	4.77E-05	3.12E-05	4.42E-05	2.17E-05
4930	564894.5	4222482	0.002243	0.002966	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.95E-04	5.79E-04	3.48E-04	2.28E-04	3.23E-04	1.59E-04
4931	564814.4	4222490	0.001818	0.002405	8.61E-04	9.64E-04	2.64E-03	8.61E-04	2.39E-04	4.70E-04	2.82E-04	1.85E-04	2.62E-04	1.29E-04
4932	564794.4	4222489	0.001741	0.002302	8.25E-04	9.23E-04	2.52E-03	8.25E-04	2.29E-04	4.50E-04	2.70E-04	1.77E-04	2.50E-04	1.23E-04
4933	565206.9	4222702	0.000996	0.001317	4.72E-04	5.28E-04	1.44E-03	4.72E-04	1.31E-04	2.57E-04	1.54E-04	1.01E-04	1.43E-04	7.04E-05
4934	565204.7	4222740	0.000803	0.001062	3.80E-04	4.26E-04	1.16E-03	3.80E-04	1.05E-04	2.07E-04	1.24E-04	8.16E-05	1.16E-04	5.68E-05
4935	565075.1	4222576	0.002172	0.002873	1.03E-03	1.15E-03	3.15E-03	1.03E-03	2.85E-04	5.61E-04	3.37E-04	2.21E-04	3.12E-04	1.54E-04
4936	565287.9	4222785	0.000645	0.000853	3.06E-04	3.42E-04	9.36E-04	3.06E-04	8.48E-05	1.67E-04	1.00E-04	6.56E-05	9.28E-05	4.56E-05
4937	565271.4	4222778	0.000664	0.000878	3.15E-04	3.52E-04	9.62E-04	3.15E-04	8.72E-05	1.71E-04	1.03E-04	6.75E-05	9.55E-05	4.69E-05
4938	565254.9	4222771	0.000685	0.000906	3.24E-04	3.63E-04	9.93E-04	3.24E-04	9.00E-05	1.77E-04	1.06E-04	6.96E-05	9.85E-05	4.84E-05
4939	565091.3	4222688	0.001107	0.001464	5.25E-04	5.87E-04	1.61E-03	5.25E-04	1.45E-04	2.86E-04	1.72E-04	1.13E-04	1.59E-04	7.83E-05
4940	565080.8	4222662	0.001287	0.001702	6.10E-04	6.82E-04	1.87E-03	6.10E-04	1.69E-04	3.32E-04	1.99E-04	1.31E-04	1.85E-04	9.10E-05
4941	565077.3	4222654	0.001353	0.001789	6.41E-04	7.17E-04	1.96E-03	6.41E-04	1.78E-04	3.49E-04	2.10E-04	1.37E-04	1.95E-04	9.57E-05
4942	565261.8	4222814	0.000569	0.000753	2.70E-04	3.02E-04	8.25E-04	2.70E-04	7.48E-05	1.47E-04	8.83E-05	5.79E-05	8.19E-05	4.03E-05
4943	565253.5	4222811	0.000577	0.000764	2.74E-04	3.06E-04	8.37E-04	2.74E-04	7.58E-05	1.49E-04	8.95E-05	5.87E-05	8.30E-05	4.08E-05
4944	565245.1	4222807	0.000586	0.000775	2.77E-04	3.11E-04	8.49E-04	2.77E-04	7.69E-05	1.51E-04	9.08E-05	5.95E-05	8.42E-05	4.14E-05
4945	565128.1	4222758	0.000747	0.000988	3.54E-04	3.96E-04	1.08E-03	3.54E-04	9.81E-05	1.93E-04	1.16E-04	7.59E-05	1.07E-04	5.28E-05
4946	565119.7	4222755	0.000762	0.001008	3.61E-04	4.04E-04	1.10E-03	3.61E-04	1.00E-04	1.97E-04	1.18E-04	7.74E-05	1.10E-04	5.39E-05
4947	565077.3	4222702	0.001018	0.001346	4.82E-04	5.40E-04	1.48E-03	4.82E-04	1.34E-04	2.63E-04	1.58E-04	1.03E-04	1.46E-04	7.20E-05
4948	565279	4222842	0.000513	0.000678	2.43E-04	2.72E-04	7.44E-04	2.43E-04	6.74E-05	1.32E-04	7.95E-05	5.21E-05	7.38E-05	3.63E-05
4949	565105.3	4222769	0.000713	0.000943	3.38E-04	3.78E-04	1.03E-03	3.38E-04	9.37E-05	1.84E-04	1.11E-04	7.25E-05	1.03E-04	5.04E-05
4950	565073.6	4222742	0.000822	0.001088	3.90E-04	4.36E-04	1.19E-03	3.90E-04	1.08E-04	2.12E-04	1.27E-04	8.36E-05	1.18E-04	5.82E-05
4951	565053.1	4222692	0.001076	0.001423	5.10E-04	5.71E-04	1.56E-03	5.10E-04	1.41E-04	2.78E-04	1.67E-04	1.09E-04	1.55E-04	7.61E-05
4952	564977.8	4222509	0.002499	0.003304	1.18E-03	1.32E-03	3.62E-03	1.18E-03	3.28E-04	6.45E-04	3.87E-04	2.54E-04	3.59E-04	1.77E-04
4953	565252.3	4222850	0.000495	0.000654	2.34E-04	2.62E-04	7.17E-04	2.34E-04	6.50E-05	1.28E-04	7.67E-05	5.03E-05	7.11E-05	3.50E-05
4954	565243.8	4222847	0.000501	0.000663	2.37E-04	2.66E-04	7.26E-04	2.37E-04	6.58E-05	1.29E-04	7.77E-05	5.09E-05	7.21E-05	3.54E-05
4955	565235.4	4222843	0.000508	0.000671	2.41E-04	2.69E-04	7.36E-04	2.41E-04	6.67E-05	1.31E-04	7.87E-05	5.16E-05	7.30E-05	3.59E-05
4956	565117	4222794	0.000633	0.000837	3.00E-04	3.35E-04	9.17E-04	3.00E-04	8.31E-05	1.63E-04	9.81E-05	6.43E-05	9.10E-05	4.47E-05
4957	565108.5	4222790	0.000644	0.000852	3.05E-04	3.42E-04	9.34E-04	3.05E-04	8.46E-05	1.66E-04	9.99E-05	6.55E-05	9.27E-05	4.56E-05
4958	565100.1	4222787	0.000656	0.000868	3.11E-04	3.48E-04	9.51E-04	3.11E-04	8.62E-05	1.69E-04	1.02E-04	6.67E-05	9.44E-05	4.64E-05
4959	565027.8	4222679	0.001148	0.001518	5.44E-04	6.08E-04	1.66E-03	5.44E-04	1.51E-04	2.96E-04	1.78E-04	1.17E-04	1.65E-04	8.12E-05
4960	565020.8	4222662	0.001255	0.001659	5.94E-04	6.65E-04	1.82E-03	5.94E-04	1.65E-04	3.24E-04	1.94E-04	1.28E-04	1.80E-04	8.87E-05
4961	564968.4	4222535	0.002198	0.002907	1.04E-03	1.17E-03	3.19E-03	1.04E-03	2.89E-04	5.68E-04	3.41E-04	2.23E-04	3.16E-04	1.55E-04
4962	565244.6	4222867	0.000465	0.000615	2.20E-04	2.47E-04	6.74E-04	2.20E-04	6.11E-05	1.20E-04	7.21E-05	4.73E-05	6.69E-05	3.29E-05
4963	565236.2	4222864	0.000471	0.000623	2.23E-04	2.50E-04	6.82E-04	2.23E-04	6.18E-05	1.22E-04	7.30E-05	4.78E-05	6.77E-05	3.33E-05
4964	565020.9	4222711	0.000967	0.001279	4.58E-04	5.13E-04	1.40E-03	4.58E-04	1.27E-04	2.50E-04	1.50E-04	9.82E-05	1.39E-04	6.84E-05
4965	565014	4222694	0.001054	0.001394	4.99E-04	5.59E-04	1.53E-03	4.99E-04	1.38E-04	2.72E-04	1.63E-04	1.07E-04	1.52E-04	7.46E-05
4966	565007.1	4222677	0.001149	0.001519	5.44E-04	6.09E-04	1.67E-03	5.44E-04	1.51E-04	2.97E-04	1.78E-04	1.17E-04	1.65E-04	8.12E-05
4967	564958.6	4222560	0.001938	0.002562	9.18E-04	1.03E-03	2.81E-03	9.18E-04	2.54E-04	5.01E-04	3.00E-04	1.97E-04	2.79E-04	1.37E-04
4968	564951.7	4222543	0.002054	0.002716	9.73E-04	1.09E-03	2.98E-03	9.73E-04	2.70E-04	5.31E-04	3.18E-04	2.09E-04	2.95E-04	1.45E-04
4969	565245.3	4222888	0.000433	0.000573	2.05E-04	2.30E-04	6.28E-04	2.05E-04	5.69E-05	1.12E-04	6.71E-05	4.40E-05	6.23E-05	3.06E-05
4970	565237	4222884	0.000438	0.000579	2.08E-04	2.32E-04	6.35E-04	2.08E-04	5.75E-05	1.13E-04	6.79E-05	4.45E-05	6.30E-05	3.10E-05
4971	565228.7	4222881	0.000443	0.000586	2.10E-04	2.35E-04	6.43E-04	2.10E-04	5.82E-05	1.15E-04	6.87E-05	4.51E-05	6.38E-05	3.14E-05
4972	565095.9	4222825	0.000555	0.000734	2.63E-04	2.94E-04	8.04E-04	2.63E-04	7.29E-05	1.43E-04	8.60E-05	5.64E-05	7.98E-05	3.92E-05
4973	564996.7	4222701	0.001014	0.001341	4.80E-04	5.38E-04	1.47E-03	4.80E-04	1.33E-04	2.62E-04	1.57E-04	1.03E-04	1.46E-04	7.17E-05
4974	564938.4	4222559	0.001872	0.002475	8.87E-04	9.92E-04	2.71E-03	8.87E-04	2.46E-04	4.84E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
4975	564931.5	4222543	0.001975	0.002612	9.36E-04	1.05E-03	2.86E-03	9.36E-04	2.59E-04	5.10E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
4976	565235	4222903	0.00041	0.000543	1.94E-04	2.18E-04	5.95E-04	1.94E-04	5.39E-05	1.06E-04	6.36E-05	4.17E-05	5.90E-05	2.90E-05
4977	565226.5	4222900	0.000415	0.000549	1.97E-04	2.20E-04	6.02E-04	1.97E-04	5.45E-05	1.07E-04	6.44E-05	4.22E-05	5.97E-05	2.94E-05
4978	565218.1	4222896	0.00042	0.000556	1.99E-04	2.23E-04	6.09E-04	1.99E-04	5.52E-05	1.09E-04	6.51E-05	4.27E-05	6.04E-05	2.97E-05
4979	565099.7	4222847	0.000508	0.000672	2.41E-04	2.69E-04	7.37E-04	2.41E-04	6.67E-05	1.31E-04	7.88E-05	5.16E-05	7.31E-05	3.59E-05
4980	564988.7	4222730	0.000875	0.001157	4.14E-04	4.64E-04	1.27E-03	4.14E-04	1.15E-04	2.26E-04	1.36E-04	8.89E-05	1.26E-04	6.19E-05
4981	564978.2	4222704	0.000989	0.001308	4.69E-04	5.25E-04	1.43E-03	4.69E-04	1.30E-04	2.56E-04	1.53E-04	1.01E-04	1.42E-04	7.00E-05
4982	564974.7	4222696	0.001031	0.001363	4.88E-04	5.46E-04	1.49E-03	4.88E-04	1.35E-04	2.66E-04	1.60E-04	1.05E-04	1.48E-04	7.29E-05
4983	564918.8	4222560	0.001799	0.002379	8.52E-04	9.54E-04	2.61E-03	8.52E-04	2.36E-04	4.65E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
4984	565235.7	4222924	0.000384	0.000508	1.82E-04	2.04E-04	5.57E-04	1.82E-04	5.05E-05	9.93E-05	5.96E-05	3.91E-05	5.53E-05	2.72E-05
4985	565227.4	4222920	0.000388	0.000514	1.84E-04	2.06E-04	5.63E-04	1.84E-04	5.10E-05	1.00E-04	6.02E-05	3.95E-05	5.59E-05	2.75E-05
4986	565219	4222917	0.000393	0.000519	1.86E-04	2.08E-04	5.69E-04	1.86E-04	5.16E-05	1.01E-04	6.09E-05	3.99E-05	5.65E-05	2.78E-05
4987	565084.9	4222860	0.000483	0.000639	2.29E-04	2.56E-04	7.01E-04	2.29E-04	6.35E-05	1.25E-04	7.49E-05	4.91E-05	6.95E-05	3.42E-05
4988	564964.4	4222719	0.000916	0.001211	4.34E-04	4.86E-04	1.33E-03	4.34E-04	1.20E-04	2.37E-04	1.42E-04	9.31E-05	1.32E-04	6.48E-05
4989	564961	4222711	0.000953	0.00126	4.51E-04	5.05E-04	1.38E-03	4.51E-04	1.25E-04	2.46E-04	1.48E-04	9.68E-05	1.37E-04	6.74E-05
4990	564905.6	4222577	0.00165	0.002182	7.81E-04	8.75E-04	2.39E-03	7.81E-04	2.17E-04	4.26E-04	2.56E-04	1.68E-04	2.37E-04	1.17E-04
4991	564991.9	4222834	0.000545	0.00072	2.58E-04	2.89E-04	7.90E-04	2.58E-04	7.15E-05	1.41E-04	8.44E-05	5.53E-05	7.83E-05	3.85E-05
4992	564947.2	4222726	0.000884	0.001169	4.19E-04	4.68E-04	1.28E-03	4.19E-04	1.16E-04	2.28E-04	1.37E-04	8.98E-05	1.27E-04	6.25E-05
4993	564943.7	4222718	0.000918	0.001214	4.35E-04	4.87E-04	1.33E-03	4.35E-04	1.21E-04	2.37E-04	1.42E-04	9.33E-05	1.32E-04	6.49E-05
4994	564885.3	4222576	0.001598	0.002114	7.57E-04	8.47E-04	2.32E-03	7.57E-04	2.10E-04	4.13E-04	2.48E-04	1.62E-04	2.30E-04	1.13E-04
4995	564977.6	4222848	0.000516	0.000682	2.44E-04	2.74E-04	7.48E-04	2.44E-04	6.78E-05	1.33E-04	8.00E-05	5.24E-05	7.42E-05	3.65E-05
4996	564932.2	4222738	0.000832	0.001101	3.94E-04	4.41E-04	1.21E-03	3.94E-04	1.09E-04	2.15E-04	1.29E-04	8.46E-05	1.20E-04	5.89E-05
4997	564925.2	4222721	0.000897	0.001187	4.25E-04	4.76E-04	1.30E-03	4.25E-04	1.18E-04	2.32E-04	1.39E-04	9.12E-05	1.29E-04	6.35E-05
4998	564872.8	4222594	0.001464	0.001936	6.94E-04	7.76E-04	2.12E-03	6.94E-04	1.92E-04	3.78E-04	2.27E-04	1.49E-04	2.11E-04	1.04E-04
4999	565201.7	4222970	0.000334	0.000442	1.58E-04	1.77E-04	4.84E-04	1.58E-04	4.38E-05	8.63E-05	5.18E-05	3.39E-05	4.80E-05	2.36E-05
5000	565193.3	4222966	0.000337	0.000446	1.60E-04	1.79E-04	4.89E-04	1.60E-04	4.43E-05	8.72E-05	5.23E-05	3.43E-05	4.85E-05	2.39E-05
5001	565176.6	4222959	0.000345	0.000456	1.63E-04	1.83E-04	5.00E-04	1.63E-04	4.53E-05	8.90E-05	5.34E-05	3.50E-05	4.96E-05	2.44E-05
5002	565168.2	4222956	0.000348	0.000461	1.65E-04	1.85E-04	5.05E-04	1.65E-04	4.58E-05	9.00E-05	5.40E-05	3.54E-05	5.01E-05	2.46E-05

5003	565159.8	4222952	0.000352	0.000466	1.67E-04	1.87E-04	5.11E-04	1.67E-04	4.63E-05	9.10E-05	5.46E-05	3.58E-05	5.07E-05	2.49E-05
5004	564914.9	4222745	0.000805	0.001065	3.81E-04	4.27E-04	1.17E-03	3.81E-04	1.06E-04	2.08E-04	1.25E-04	8.18E-05	1.16E-04	5.69E-05
5005	564911.4	4222736	0.000835	0.001104	3.95E-04	4.43E-04	1.21E-03	3.95E-04	1.10E-04	2.16E-04	1.29E-04	8.48E-05	1.20E-04	5.90E-05
5006	564856	4222602	0.001388	0.001835	6.57E-04	7.36E-04	2.01E-03	6.57E-04	1.82E-04	3.59E-04	2.15E-04	1.41E-04	2.00E-04	9.81E-05
5007	564849	4222585	0.001458	0.001928	6.91E-04	7.73E-04	2.11E-03	6.91E-04	1.91E-04	3.77E-04	2.26E-04	1.48E-04	2.10E-04	1.03E-04
5008	565157	4222971	0.000333	0.000441	1.58E-04	1.77E-04	4.83E-04	1.58E-04	4.37E-05	8.61E-05	5.16E-05	3.39E-05	4.79E-05	2.36E-05
5009	565148.5	4222967	0.000337	0.000445	1.60E-04	1.79E-04	4.88E-04	1.60E-04	4.42E-05	8.70E-05	5.22E-05	3.42E-05	4.84E-05	2.38E-05
5010	564986.8	4222899	0.000425	0.000562	2.01E-04	2.25E-04	6.17E-04	2.01E-04	5.58E-05	1.10E-04	6.59E-05	4.32E-05	6.12E-05	3.01E-05
5011	564978.3	4222896	0.000431	0.00057	2.04E-04	2.29E-04	6.25E-04	2.04E-04	5.66E-05	1.11E-04	6.69E-05	4.38E-05	6.20E-05	3.05E-05
5012	564961.2	4222889	0.000444	0.000587	2.10E-04	2.35E-04	6.44E-04	2.10E-04	5.83E-05	1.15E-04	6.88E-05	4.51E-05	6.39E-05	3.14E-05
5013	564899.9	4222757	0.000761	0.001006	3.60E-04	4.03E-04	1.10E-03	3.60E-04	9.99E-05	1.97E-04	1.18E-04	7.73E-05	1.09E-04	5.38E-05
5014	564896.4	4222749	0.000789	0.001043	3.74E-04	4.18E-04	1.14E-03	3.74E-04	1.04E-04	2.04E-04	1.22E-04	8.01E-05	1.13E-04	5.58E-05
5015	564892.9	4222740	0.000817	0.001081	3.87E-04	4.33E-04	1.18E-03	3.87E-04	1.07E-04	2.11E-04	1.27E-04	8.31E-05	1.18E-04	5.78E-05
5016	564840.1	4222612	0.001309	0.001731	6.20E-04	6.94E-04	1.90E-03	6.20E-04	1.72E-04	3.38E-04	2.03E-04	1.33E-04	1.88E-04	9.25E-05
5017	564836.6	4222603	0.001342	0.001775	6.36E-04	7.12E-04	1.95E-03	6.36E-04	1.76E-04	3.47E-04	2.08E-04	1.36E-04	1.93E-04	9.49E-05
5018	565335.8	4223046	0.000282	0.000373	1.34E-04	1.49E-04	4.09E-04	1.34E-04	3.70E-05	7.28E-05	4.37E-05	2.86E-05	4.05E-05	1.99E-05
5019	565327.2	4223062	0.000269	0.000356	1.28E-04	1.43E-04	3.90E-04	1.28E-04	3.54E-05	6.96E-05	4.17E-05	2.74E-05	3.87E-05	1.90E-05
5020	565158.2	4222991	0.000314	0.000415	1.49E-04	1.66E-04	4.55E-04	1.49E-04	4.12E-05	8.11E-05	4.87E-05	3.19E-05	4.52E-05	2.22E-05
5021	565149.8	4222988	0.000317	0.00042	1.50E-04	1.68E-04	4.60E-04	1.50E-04	4.17E-05	8.20E-05	4.92E-05	3.22E-05	4.56E-05	2.24E-05
5022	565141.3	4222984	0.000321	0.000424	1.52E-04	1.70E-04	4.65E-04	1.52E-04	4.21E-05	8.28E-05	4.97E-05	3.26E-05	4.61E-05	2.27E-05
5023	564963.9	4222910	0.000411	0.000544	1.95E-04	2.18E-04	5.96E-04	1.95E-04	5.40E-05	1.06E-04	6.38E-05	4.18E-05	5.92E-05	2.91E-05
5024	564955.4	4222906	0.000417	0.000552	1.98E-04	2.21E-04	6.05E-04	1.98E-04	5.48E-05	1.08E-04	6.47E-05	4.24E-05	6.00E-05	2.95E-05
5025	564947	4222903	0.000423	0.000559	2.00E-04	2.24E-04	6.13E-04	2.00E-04	5.56E-05	1.09E-04	6.56E-05	4.30E-05	6.09E-05	2.99E-05
5026	564882.7	4222764	0.000737	0.000975	3.49E-04	3.91E-04	1.07E-03	3.49E-04	9.68E-05	1.90E-04	1.14E-04	7.49E-05	1.06E-04	5.21E-05
5027	564879.2	4222755	0.000763	0.001009	3.62E-04	4.05E-04	1.11E-03	3.62E-04	1.00E-04	1.97E-04	1.18E-04	7.76E-05	1.10E-04	5.40E-05
5028	564823.3	4222620	0.001245	0.001647	5.90E-04	6.60E-04	1.80E-03	5.90E-04	1.64E-04	3.22E-04	1.93E-04	1.27E-04	1.79E-04	8.81E-05
5029	564816.3	4222603	0.001306	0.001727	6.19E-04	6.93E-04	1.89E-03	6.19E-04	1.72E-04	3.37E-04	2.02E-04	1.33E-04	1.88E-04	9.24E-05
5030	565335.6	4223066	0.000268	0.000355	1.27E-04	1.42E-04	3.89E-04	1.27E-04	3.52E-05	6.93E-05	4.16E-05	2.73E-05	3.86E-05	1.90E-05
5031	565327.1	4223082	0.000257	0.000339	1.22E-04	1.36E-04	3.72E-04	1.22E-04	3.37E-05	6.63E-05	3.98E-05	2.61E-05	3.69E-05	1.81E-05
5032	565318.7	4223079	0.000258	0.000341	1.22E-04	1.37E-04	3.73E-04	1.22E-04	3.38E-05	6.66E-05	3.99E-05	2.62E-05	3.71E-05	1.82E-05
5033	565310.3	4223075	0.000259	0.000342	1.23E-04	1.37E-04	3.75E-04	1.23E-04	3.40E-05	6.68E-05	4.01E-05	2.63E-05	3.72E-05	1.83E-05
5034	565285.2	4223065	0.000263	0.000347	1.24E-04	1.39E-04	3.81E-04	1.24E-04	3.45E-05	6.78E-05	4.07E-05	2.67E-05	3.78E-05	1.86E-05
5035	565276.8	4223061	0.000264	0.000349	1.25E-04	1.40E-04	3.83E-04	1.25E-04	3.47E-05	6.82E-05	4.09E-05	2.68E-05	3.80E-05	1.87E-05
5036	565268.4	4223058	0.000266	0.000351	1.26E-04	1.41E-04	3.85E-04	1.26E-04	3.49E-05	6.87E-05	4.12E-05	2.70E-05	3.82E-05	1.88E-05
5037	565260	4223054	0.000267	0.000354	1.27E-04	1.42E-04	3.88E-04	1.27E-04	3.51E-05	6.91E-05	4.15E-05	2.72E-05	3.85E-05	1.89E-05
5038	565251.6	4223051	0.000269	0.000356	1.28E-04	1.43E-04	3.90E-04	1.28E-04	3.54E-05	6.96E-05	4.18E-05	2.74E-05	3.87E-05	1.90E-05
5039	565243.2	4223047	0.000271	0.000359	1.29E-04	1.44E-04	3.93E-04	1.29E-04	3.56E-05	7.01E-05	4.21E-05	2.76E-05	3.90E-05	1.92E-05
5040	565234.8	4223044	0.000273	0.000362	1.30E-04	1.45E-04	3.96E-04	1.30E-04	3.59E-05	7.06E-05	4.24E-05	2.78E-05	3.93E-05	1.93E-05
5041	565226.4	4223040	0.000276	0.000364	1.31E-04	1.46E-04	4.00E-04	1.31E-04	3.62E-05	7.12E-05	4.27E-05	2.80E-05	3.96E-05	1.95E-05
5042	565218	4223037	0.000278	0.000367	1.32E-04	1.47E-04	4.03E-04	1.32E-04	3.65E-05	7.18E-05	4.31E-05	2.82E-05	4.00E-05	1.97E-05
5043	565209.6	4223033	0.00028	0.000371	1.33E-04	1.49E-04	4.06E-04	1.33E-04	3.68E-05	7.24E-05	4.34E-05	2.85E-05	4.03E-05	1.98E-05
5044	564966.3	4222931	0.000383	0.000506	1.81E-04	2.03E-04	5.55E-04	1.81E-04	5.03E-05	9.89E-05	5.93E-05	3.89E-05	5.51E-05	2.71E-05
5045	564957.9	4222927	0.000388	0.000513	1.84E-04	2.06E-04	5.62E-04	1.84E-04	5.09E-05	1.00E-04	6.01E-05	3.94E-05	5.58E-05	2.74E-05
5046	564949.5	4222924	0.000393	0.00052	1.86E-04	2.08E-04	5.70E-04	1.86E-04	5.16E-05	1.02E-04	6.09E-05	3.99E-05	5.65E-05	2.78E-05
5047	564932.7	4222917	0.000404	0.000534	1.91E-04	2.14E-04	5.85E-04	1.91E-04	5.30E-05	1.04E-04	6.26E-05	4.10E-05	5.81E-05	2.85E-05
5048	564872.3	4222787	0.000668	0.000883	3.16E-04	3.54E-04	9.68E-04	3.16E-04	8.77E-05	1.72E-04	1.04E-04	6.79E-05	9.60E-05	4.72E-05
5049	564861.9	4222762	0.000739	0.000977	3.50E-04	3.92E-04	1.07E-03	3.50E-04	9.71E-05	1.91E-04	1.15E-04	7.51E-05	1.06E-04	5.23E-05
5050	564855	4222745	0.00079	0.001045	3.74E-04	4.19E-04	1.15E-03	3.74E-04	1.04E-04	2.04E-04	1.22E-04	8.03E-05	1.14E-04	5.59E-05
5051	565335.5	4223086	0.000256	0.000338	1.21E-04	1.36E-04	3.71E-04	1.21E-04	3.36E-05	6.61E-05	3.96E-05	2.60E-05	3.68E-05	1.81E-05
5052	565326.9	4223102	0.000245	0.000324	1.16E-04	1.30E-04	3.55E-04	1.16E-04	3.22E-05	6.33E-05	3.80E-05	2.49E-05	3.52E-05	1.73E-05
5053	565318.4	4223099	0.000246	0.000325	1.16E-04	1.30E-04	3.56E-04	1.16E-04	3.23E-05	6.35E-05	3.81E-05	2.50E-05	3.54E-05	1.74E-05
5054	565309.9	4223095	0.000247	0.000326	1.17E-04	1.31E-04	3.58E-04	1.17E-04	3.24E-05	6.38E-05	3.83E-05	2.51E-05	3.55E-05	1.75E-05
5055	565292.8	4223088	0.000249	0.000329	1.18E-04	1.32E-04	3.61E-04	1.18E-04	3.27E-05	6.43E-05	3.86E-05	2.53E-05	3.58E-05	1.76E-05
5056	565284.3	4223085	0.00025	0.000331	1.19E-04	1.33E-04	3.63E-04	1.19E-04	3.29E-05	6.47E-05	3.88E-05	2.54E-05	3.60E-05	1.77E-05
5057	565190.8	4223045	0.000271	0.000359	1.29E-04	1.44E-04	3.94E-04	1.29E-04	3.57E-05	7.01E-05	4.21E-05	2.76E-05	3.91E-05	1.92E-05
5058	565182.3	4223042	0.000274	0.000362	1.30E-04	1.45E-04	3.97E-04	1.30E-04	3.60E-05	7.08E-05	4.25E-05	2.78E-05	3.94E-05	1.94E-05
5059	565173.8	4223038	0.000277	0.000366	1.31E-04	1.47E-04	4.01E-04	1.31E-04	3.63E-05	7.14E-05	4.29E-05	2.81E-05	3.98E-05	1.96E-05
5060	565165.3	4223035	0.000279	0.000369	1.32E-04	1.48E-04	4.05E-04	1.32E-04	3.67E-05	7.21E-05	4.33E-05	2.84E-05	4.02E-05	1.97E-05
5061	565156.8	4223031	0.000282	0.000373	1.34E-04	1.49E-04	4.09E-04	1.34E-04	3.70E-05	7.28E-05	4.37E-05	2.86E-05	4.06E-05	1.99E-05
5062	565148.3	4223027	0.000285	0.000377	1.35E-04	1.51E-04	4.13E-04	1.35E-04	3.74E-05	7.35E-05	4.41E-05	2.89E-05	4.10E-05	2.01E-05
5063	565139.8	4223024	0.000288	0.00038	1.36E-04	1.52E-04	4.17E-04	1.36E-04	3.78E-05	7.43E-05	4.46E-05	2.92E-05	4.14E-05	2.03E-05
5064	565131.3	4223020	0.00029	0.000384	1.38E-04	1.54E-04	4.21E-04	1.38E-04	3.81E-05	7.50E-05	4.50E-05	2.95E-05	4.18E-05	2.05E-05
5065	565122.8	4223017	0.000293	0.000388	1.39E-04	1.56E-04	4.25E-04	1.39E-04	3.85E-05	7.58E-05	4.55E-05	2.98E-05	4.22E-05	2.07E-05
5066	565114.3	4223013	0.000296	0.000392	1.40E-04	1.57E-04	4.30E-04	1.40E-04	3.89E-05	7.66E-05	4.59E-05	3.01E-05	4.26E-05	2.10E-05
5067	565097.2	4223006	0.000303	0.0004	1.43E-04	1.60E-04	4.39E-04	1.43E-04	3.97E-05	7.82E-05	4.69E-05	3.07E-05	4.35E-05	2.14E-05
5068	565088.7	4223002	0.000306	0.000404	1.45E-04	1.62E-04	4.43E-04	1.45E-04	4.01E-05	7.90E-05	4.74E-05	3.11E-05	4.40E-05	2.16E-05
5069	565080.2	4222999	0.000309	0.000408	1.46E-04	1.64E-04	4.48E-04	1.46E-04	4.06E-05	7.98E-05	4.79E-05	3.14E-05	4.44E-05	2.18E-05
5070	565071.7	4222995	0.000312	0.000413	1.48E-04	1.65E-04	4.52E-04	1.48E-04	4.10E-05	8.06E-05	4.84E-05	3.17E-05	4.49E-05	2.21E-05
5071	565063.2	4222992	0.000315	0.000417	1.49E-04	1.67E-04	4.57E-04	1.49E-04	4.14E-05	8.15E-05	4.89E-05	3.21E-05	4.54E-05	2.23E-05
5072	565054.7	4222988	0.000319	0.000422	1.51E-04	1.69E-04	4.62E-04	1.51E-04	4.19E-05	8.23E-05	4.94E-05	3.24E-05	4.58E-05	2.25E-05
5073	565020.7	4222974	0.000333	0.00044	1.58E-04	1.76E-04	4.83E-04	1.58E-04	4.37E-05	8.60E-05	5.16E-05	3.38E-05	4.79E-05	2.35E-05
5074	565012.2	4222970	0.000337	0.000445	1.59E-04	1.78E-04	4.88E-04	1.59E-04	4.42E-05	8.69E-05	5.22E-05	3.42E-05	4.84E-05	2.38E-05
5075	565003.7	4222967	0.00034	0.00045	1.61E-04	1.80E-04	4.94E-04	1.61E-04	4.47E-05	8.79E-05	5.28E-05	3.46E-05	4.90E-05	2.41E-05
5076	564995.2	4222963	0.000344	0.000455	1.63E-04	1.83E-04	4.99E-04	1.63E-04	4.52E-05	8.90E-05	5.34E-05	3.50E-05	4.95E-05	2.44E-05
5077	564986.7	4222960	0.000348	0.000461	1.65E-04	1.85E-04	5.05E-04	1.65E-04	4.58E-05	9.00E-05	5.40E-05	3.54E-05	5.01E-05	2.46E-05
5078	564978.2	4222956	0.000353	0.000466	1.67E-04	1.87E-04	5.11E-04	1.67E-04	4.63E-05	9.11E-05	5.47E-05	3.58E-05	5.07E-05	2.49E-05
5079	564969.7	4222952	0.000357	0.000472	1.69E-04	1.89E-04	5.17E-04	1.69E-04	4.69E-05	9.22E-05	5.53E-05	3.63E-05	5.13E-05	2.52E-05
5080	564961.2	4222949	0.000361	0.000478	1.71E-04	1.92E-04	5.24E-04	1.71E-04	4.75E-05	9.34E-05	5.60E-05	3.67E-05	5.20E-05	2.56E-05
5081	564952.7	4222945	0.000366	0.000484	1.73E-04	1.94E-04	5.31E-04	1.73E-04	4.81E-05	9.45E-05	5.67E-05	3.72E-05	5.26E-05	2.59E-05
5082	564927.2	4222934	0.000381	0.000503	1.80E-04	2.02E-04	5.52E-04	1.80E-04	5.00E-05	9.83E-05	5.90E-05	3.87E-05	5.47E-05	2.69E-05
5083	564918.7	4222931	0.000386	0.00051	1.83E-04	2.04E-04	5.59E-04	1.83E-04	5.06E-05	9.96E-05	5.98E-05	3.92E-05	5.55E-05	2.73E-05
5084	564906.6	4222919	0.000403	0.000532	1.91E-04	2.13E-04	5.84E-04	1.91E-04	5.29E-05	1.04E-04	6.24E-05	4.09E-05	5.79E-05	2.85E-05
5085	564903.1	4222910	0.000415	0.000549	1.97E-04	2.20E-04	6.01E-04	1.97E-04	5.45E-05	1.07E-04	6.43E-05	4.22E-05	5.97E-05	2.93E-05
5086	564899.6	4222902	0.000428	0.000566	2.03E-04	2.27E-04	6.20E-04	2.03E-04	5.62E-05	1.10E-04	6.63E-05	4.35E-05	6.15E-05	3.02E-05
5087	564896.1	4222893	0.000441	0.000583	2.09E-04	2.34E-04	6.40E-04	2.09E-04	5.79E-05	1.14E-04	6.84E-05	4.48E-05	6.35E-05	3.12E-05
5088	564892.6	4222885	0.000455	0.000602	2.16E-04	2.41E-04	6.60E-04	2.16E-04	5.98E-05	1.18E-04	7.06E-05	4.63E-05	6.55E-05	3.22E-05
5089	564889.1	4222876	0.00047	0.000622	2.23E-04	2.49E-04	6.82E-04	2.23E-04	6.17E-05	1.21E-04	7.29E-05	4.78E-05	6.76E-05	3.32E-05
5090	564885.5	4222868	0.000486	0.000642	2.30E-04	2.57E-04	7.04E-04	2.30E-04	6.38E-05	1.25E-04	7.53E-05	4.93E-05	6.98E-05	3.43E-05
5091	564882	4222859	0.000502	0.000663	2.38E-04	2.66E-04	7.27E-04	2.38E-04	6.59E-05	1.30E-04	7.78E-05	5.10E-05	7.22E-05	3.55E-05
5092	564878.5	4222851	0.000518	0.000686	2.46E-04	2.75E-04	7.52E-04	2.46E-04	6.81E-05	1.34E-04	8.04E-05	5.27E-05	7.46E-05	3.67E-05
5093	564875	4222842	0.000536	0.000709	2.54E-04	2.84E-04	7.77E-04	2.54E-04	7.04E-05	1.38E-04	8.31E-05	5.45E-05	7.71E-05	3.79E-05

5094	564871.5	4222834	0.000554	0.000733	2.63E-04	2.94E-04	8.03E-04	2.63E-04	7.28E-05	1.43E-04	8.59E-05	5.63E-05	7.97E-05	3.92E-05
5095	564868	4222825	0.000573	0.000758	2.72E-04	3.04E-04	8.31E-04	2.72E-04	7.53E-05	1.48E-04	8.88E-05	5.82E-05	8.24E-05	4.05E-05
5096	564864.5	4222816	0.000593	0.000784	2.81E-04	3.14E-04	8.59E-04	2.81E-04	7.78E-05	1.53E-04	9.19E-05	6.02E-05	8.53E-05	4.19E-05
5097	564860.9	4222808	0.000613	0.000811	2.90E-04	3.25E-04	8.89E-04	2.90E-04	8.05E-05	1.58E-04	9.50E-05	6.23E-05	8.82E-05	4.34E-05
5098	564857.4	4222799	0.000634	0.000839	3.00E-04	3.36E-04	9.19E-04	3.00E-04	8.33E-05	1.64E-04	9.83E-05	6.44E-05	9.12E-05	4.48E-05
5099	564853.9	4222791	0.000656	0.000867	3.11E-04	3.48E-04	9.51E-04	3.11E-04	8.61E-05	1.69E-04	1.02E-04	6.66E-05	9.43E-05	4.64E-05
5100	564850.4	4222782	0.000678	0.000897	3.21E-04	3.60E-04	9.83E-04	3.21E-04	8.91E-05	1.75E-04	1.05E-04	6.89E-05	9.75E-05	4.80E-05
5101	564846.9	4222774	0.000701	0.000927	3.32E-04	3.72E-04	1.02E-03	3.32E-04	9.21E-05	1.81E-04	1.09E-04	7.13E-05	1.01E-04	4.96E-05
5102	564843.4	4222765	0.000725	0.000959	3.43E-04	3.84E-04	1.05E-03	3.43E-04	9.52E-05	1.87E-04	1.12E-04	7.37E-05	1.04E-04	5.13E-05
5103	564839.8	4222757	0.000749	0.000991	3.55E-04	3.97E-04	1.09E-03	3.55E-04	9.84E-05	1.93E-04	1.16E-04	7.61E-05	1.08E-04	5.30E-05
5104	564836.3	4222748	0.000774	0.001023	3.67E-04	4.10E-04	1.12E-03	3.67E-04	1.02E-04	2.00E-04	1.20E-04	7.86E-05	1.11E-04	5.47E-05
5105	564832.8	4222740	0.000799	0.001057	3.79E-04	4.24E-04	1.16E-03	3.79E-04	1.05E-04	2.06E-04	1.24E-04	8.12E-05	1.15E-04	5.65E-05
5106	564822.3	4222714	0.000878	0.001161	4.16E-04	4.65E-04	1.27E-03	4.16E-04	1.15E-04	2.27E-04	1.36E-04	8.92E-05	1.26E-04	6.21E-05
5107	564797.7	4222654	0.001069	0.001414	5.07E-04	5.67E-04	1.55E-03	5.07E-04	1.40E-04	2.76E-04	1.66E-04	1.09E-04	1.54E-04	7.56E-05
5108	564794.1	4222646	0.001097	0.00145	5.20E-04	5.81E-04	1.59E-03	5.20E-04	1.44E-04	2.83E-04	1.70E-04	1.11E-04	1.58E-04	7.75E-05
5109	564790.6	4222637	0.001124	0.001486	5.32E-04	5.96E-04	1.63E-03	5.32E-04	1.48E-04	2.90E-04	1.74E-04	1.14E-04	1.62E-04	7.95E-05
5110	564783.6	4222620	0.001178	0.001557	5.58E-04	6.24E-04	1.71E-03	5.58E-04	1.55E-04	3.04E-04	1.83E-04	1.20E-04	1.69E-04	8.33E-05
5111	565335.4	4223106	0.000244	0.000323	1.16E-04	1.29E-04	3.54E-04	1.16E-04	3.20E-05	6.30E-05	3.78E-05	2.48E-05	3.51E-05	1.73E-05

			UnMitigated	T2	T2L3	T4
			1.74E-01	9.24E-02	2.29E-02	1.77E-02
			Yr 1	Yr 1	Yr 1	Yr 1
1	565529.2	4222707	1.02E-02	5.41E-03	1.34E-03	1.04E-03
2	565533.8	4222716	9.71E-03	5.15E-03	1.27E-03	9.86E-04
3	565527.7	4222729	8.65E-03	4.59E-03	1.14E-03	8.80E-04
4	565538.4	4222725	9.25E-03	4.91E-03	1.22E-03	9.41E-04
5	565532.3	4222737	8.28E-03	4.39E-03	1.09E-03	8.42E-04
6	565543	4222733	8.84E-03	4.69E-03	1.16E-03	8.98E-04
7	565536.7	4222746	7.93E-03	4.20E-03	1.04E-03	8.06E-04
8	565547.6	4222742	8.45E-03	4.48E-03	1.11E-03	8.58E-04
9	565541.4	4222755	7.60E-03	4.03E-03	9.98E-04	7.72E-04
10	565530.1	4222758	7.21E-03	3.82E-03	9.47E-04	7.33E-04
11	565552.2	4222751	8.08E-03	4.29E-03	1.06E-03	8.21E-04
12	565546	4222764	7.30E-03	3.87E-03	9.58E-04	7.41E-04
13	565534.8	4222766	6.93E-03	3.68E-03	9.10E-04	7.04E-04
14	565556.8	4222759	7.75E-03	4.11E-03	1.02E-03	7.87E-04
15	565550.7	4222772	7.01E-03	3.72E-03	9.21E-04	7.13E-04
16	565539.5	4222775	6.67E-03	3.54E-03	8.76E-04	6.78E-04
17	565528.4	4222778	6.35E-03	3.37E-03	8.35E-04	6.46E-04
18	565561.4	4222768	7.44E-03	3.94E-03	9.77E-04	7.56E-04
19	565560.1	4222790	6.49E-03	3.44E-03	8.52E-04	6.60E-04
20	565549.1	4222793	6.19E-03	3.28E-03	8.13E-04	6.29E-04
21	565538	4222795	5.91E-03	3.13E-03	7.76E-04	6.01E-04
22	565527	4222798	5.66E-03	3.00E-03	7.43E-04	5.75E-04
23	565558	4222810	5.74E-03	3.04E-03	7.54E-04	5.84E-04
24	565546.7	4222813	5.49E-03	2.91E-03	7.21E-04	5.58E-04
25	565535.4	4222816	5.26E-03	2.79E-03	6.91E-04	5.35E-04
26	565578.8	4222825	4.99E-03	2.64E-03	6.55E-04	5.07E-04
27	565556.4	4222831	4.68E-03	2.48E-03	6.15E-04	4.76E-04
28	565545.2	4222833	4.94E-03	2.62E-03	6.48E-04	5.02E-04
29	565534	4222836	4.75E-03	2.52E-03	6.23E-04	4.82E-04
30	565589.6	4222821	5.21E-03	2.76E-03	6.85E-04	5.30E-04
31	565588.2	4222843	4.59E-03	2.44E-03	6.03E-04	4.67E-04
32	565577.1	4222846	4.46E-03	2.36E-03	5.85E-04	4.53E-04
33	565554.9	4222851	4.24E-03	2.25E-03	5.57E-04	4.31E-04
34	565543.8	4222854	4.47E-03	2.37E-03	5.87E-04	4.54E-04
35	565532.7	4222857	4.31E-03	2.29E-03	5.66E-04	4.38E-04
36	565599	4222839	4.79E-03	2.54E-03	6.29E-04	4.87E-04
37	565597.5	4222861	4.24E-03	2.25E-03	5.57E-04	4.31E-04
38	565586.1	4222863	4.11E-03	2.18E-03	5.40E-04	4.18E-04
39	565574.8	4222866	4.00E-03	2.12E-03	5.26E-04	4.07E-04
40	565552.2	4222872	3.82E-03	2.03E-03	5.02E-04	3.89E-04
41	565540.8	4222874	3.74E-03	1.98E-03	4.92E-04	3.80E-04
42	565608.3	4222856	4.42E-03	2.34E-03	5.81E-04	4.49E-04
43	565606.9	4222878	3.94E-03	2.09E-03	5.17E-04	4.00E-04
44	565595.7	4222881	3.82E-03	2.02E-03	5.02E-04	3.88E-04

45	565584.4	4222884	3.71E-03	1.97E-03	4.87E-04	3.77E-04
46	565562	4222889	3.54E-03	1.88E-03	4.65E-04	3.60E-04
47	565550.8	4222892	3.47E-03	1.84E-03	4.55E-04	3.52E-04
48	565539.5	4222895	3.41E-03	1.81E-03	4.48E-04	3.46E-04
49	565617.7	4222874	4.10E-03	2.18E-03	5.39E-04	4.17E-04
50	565560.6	4222910	3.22E-03	1.71E-03	4.23E-04	3.28E-04
51	565549.5	4222912	3.17E-03	1.68E-03	4.16E-04	3.22E-04
52	565538.4	4222915	3.12E-03	1.65E-03	4.10E-04	3.17E-04
53	565627.1	4222892	3.68E-03	1.95E-03	4.84E-04	3.74E-04
54	565625.6	4222914	3.27E-03	1.73E-03	4.30E-04	3.32E-04
55	565602.9	4222919	3.21E-03	1.70E-03	4.21E-04	3.26E-04
56	565591.6	4222922	3.13E-03	1.66E-03	4.11E-04	3.18E-04
57	565580.2	4222925	3.07E-03	1.63E-03	4.03E-04	3.12E-04
58	565557.6	4222930	2.96E-03	1.57E-03	3.89E-04	3.01E-04
59	565546.2	4222933	2.91E-03	1.54E-03	3.82E-04	2.96E-04
60	565534.9	4222936	2.86E-03	1.51E-03	3.75E-04	2.90E-04
61	565636.5	4222909	3.42E-03	1.81E-03	4.49E-04	3.47E-04
62	565635	4222931	3.04E-03	1.61E-03	4.00E-04	3.09E-04
63	565623.8	4222934	2.94E-03	1.56E-03	3.86E-04	2.99E-04
64	565612.5	4222937	2.95E-03	1.56E-03	3.87E-04	3.00E-04
65	565601.3	4222940	2.90E-03	1.54E-03	3.81E-04	2.95E-04
66	565590	4222942	2.85E-03	1.51E-03	3.74E-04	2.90E-04
67	565578.8	4222945	2.81E-03	1.49E-03	3.68E-04	2.85E-04
68	565556.3	4222951	2.73E-03	1.45E-03	3.58E-04	2.77E-04
69	565545	4222953	2.69E-03	1.43E-03	3.54E-04	2.74E-04
70	565533.8	4222956	2.66E-03	1.41E-03	3.49E-04	2.70E-04
71	565645.8	4222927	3.17E-03	1.68E-03	4.16E-04	3.22E-04
72	565644.3	4222949	2.85E-03	1.51E-03	3.75E-04	2.90E-04
73	565632.9	4222952	2.77E-03	1.47E-03	3.63E-04	2.81E-04
74	565621.4	4222955	2.69E-03	1.42E-03	3.53E-04	2.73E-04
75	565610	4222957	2.71E-03	1.44E-03	3.56E-04	2.75E-04
76	565598.6	4222960	2.66E-03	1.41E-03	3.49E-04	2.70E-04
77	565587.1	4222963	2.61E-03	1.38E-03	3.43E-04	2.65E-04
78	565575.7	4222966	2.57E-03	1.37E-03	3.38E-04	2.62E-04
79	565552.8	4222971	2.53E-03	1.34E-03	3.32E-04	2.57E-04
80	565541.4	4222974	2.51E-03	1.33E-03	3.30E-04	2.55E-04
81	565530	4222977	2.49E-03	1.32E-03	3.27E-04	2.53E-04
82	565655.2	4222945	2.95E-03	1.57E-03	3.88E-04	3.00E-04
83	565642.4	4222969	2.62E-03	1.39E-03	3.44E-04	2.66E-04
84	565631	4222972	2.55E-03	1.35E-03	3.35E-04	2.59E-04
85	565619.7	4222975	2.49E-03	1.32E-03	3.27E-04	2.53E-04
86	565608.3	4222978	2.50E-03	1.33E-03	3.29E-04	2.54E-04
87	565597	4222981	2.47E-03	1.31E-03	3.24E-04	2.51E-04
88	565585.6	4222983	2.44E-03	1.29E-03	3.20E-04	2.48E-04
89	565551.6	4222992	2.38E-03	1.26E-03	3.12E-04	2.42E-04
90	565540.3	4222994	2.36E-03	1.25E-03	3.10E-04	2.40E-04
91	565528.9	4222997	2.35E-03	1.24E-03	3.08E-04	2.39E-04

92	565663.1	4222984	2.57E-03	1.36E-03	3.37E-04	2.61E-04
93	565651.9	4222987	2.50E-03	1.32E-03	3.28E-04	2.54E-04
94	565640.6	4222990	2.43E-03	1.29E-03	3.20E-04	2.47E-04
95	565629.3	4222993	2.38E-03	1.26E-03	3.12E-04	2.42E-04
96	565618.1	4222995	2.33E-03	1.23E-03	3.06E-04	2.36E-04
97	565606.8	4222998	2.33E-03	1.24E-03	3.06E-04	2.37E-04
98	565595.5	4223001	2.32E-03	1.23E-03	3.04E-04	2.35E-04
99	565584.3	4223004	2.30E-03	1.22E-03	3.02E-04	2.33E-04
100	565561.7	4223009	2.27E-03	1.20E-03	2.98E-04	2.31E-04
101	565550.5	4223012	2.26E-03	1.20E-03	2.96E-04	2.29E-04
102	565539.2	4223015	2.24E-03	1.19E-03	2.95E-04	2.28E-04
103	565527.9	4223017	2.23E-03	1.18E-03	2.93E-04	2.27E-04
104	565674	4222980	2.66E-03	1.41E-03	3.49E-04	2.70E-04
105	565672.4	4223002	2.46E-03	1.30E-03	3.23E-04	2.50E-04
106	565661	4223005	2.40E-03	1.27E-03	3.15E-04	2.44E-04
107	565649.6	4223008	2.34E-03	1.24E-03	3.07E-04	2.38E-04
108	565638.1	4223010	2.29E-03	1.21E-03	3.01E-04	2.33E-04
109	565626.7	4223013	2.24E-03	1.19E-03	2.95E-04	2.28E-04
110	565615.3	4223016	2.24E-03	1.19E-03	2.94E-04	2.27E-04
111	565603.8	4223019	2.21E-03	1.17E-03	2.90E-04	2.25E-04
112	565592.4	4223022	2.19E-03	1.16E-03	2.87E-04	2.22E-04
113	565581	4223024	2.17E-03	1.15E-03	2.85E-04	2.20E-04
114	565558.1	4223030	2.16E-03	1.14E-03	2.83E-04	2.19E-04
115	565546.7	4223033	2.15E-03	1.14E-03	2.82E-04	2.18E-04
116	565535.3	4223036	2.13E-03	1.13E-03	2.80E-04	2.17E-04
117	565683.3	4222998	2.52E-03	1.34E-03	3.31E-04	2.56E-04
118	565681.8	4223020	2.36E-03	1.25E-03	3.10E-04	2.40E-04
119	565670.5	4223022	2.31E-03	1.23E-03	3.04E-04	2.35E-04
120	565659.1	4223025	2.26E-03	1.20E-03	2.97E-04	2.30E-04
121	565647.8	4223028	2.21E-03	1.17E-03	2.91E-04	2.25E-04
122	565636.4	4223031	2.17E-03	1.15E-03	2.85E-04	2.20E-04
123	565625.1	4223034	2.13E-03	1.13E-03	2.80E-04	2.17E-04
124	565613.7	4223036	2.12E-03	1.13E-03	2.79E-04	2.16E-04
125	565602.4	4223039	2.11E-03	1.12E-03	2.76E-04	2.14E-04
126	565591	4223042	2.09E-03	1.11E-03	2.74E-04	2.12E-04
127	565579.7	4223045	2.08E-03	1.10E-03	2.73E-04	2.11E-04
128	565557	4223050	2.07E-03	1.10E-03	2.71E-04	2.10E-04
129	565545.6	4223053	2.05E-03	1.09E-03	2.69E-04	2.08E-04
130	565534.3	4223056	2.03E-03	1.08E-03	2.67E-04	2.07E-04
131	565692.7	4223015	2.42E-03	1.28E-03	3.18E-04	2.46E-04
132	565691.3	4223037	2.28E-03	1.21E-03	2.99E-04	2.32E-04
133	565680	4223040	2.23E-03	1.18E-03	2.93E-04	2.27E-04
134	565668.7	4223043	2.19E-03	1.16E-03	2.87E-04	2.22E-04
135	565657.4	4223046	2.14E-03	1.13E-03	2.81E-04	2.17E-04
136	565646.1	4223048	2.10E-03	1.11E-03	2.76E-04	2.13E-04
137	565634.9	4223051	2.06E-03	1.09E-03	2.71E-04	2.10E-04
138	565623.6	4223054	2.03E-03	1.08E-03	2.66E-04	2.06E-04

139	565612.3	4223057	2.03E-03	1.07E-03	2.66E-04	2.06E-04
140	565601	4223059	2.02E-03	1.07E-03	2.65E-04	2.05E-04
141	565589.7	4223062	2.00E-03	1.06E-03	2.63E-04	2.04E-04
142	565578.4	4223065	1.99E-03	1.06E-03	2.62E-04	2.03E-04
143	565555.9	4223070	1.97E-03	1.05E-03	2.59E-04	2.01E-04
144	565544.6	4223073	1.95E-03	1.04E-03	2.57E-04	1.99E-04
145	565533.3	4223076	1.93E-03	1.02E-03	2.54E-04	1.96E-04
146	565702.1	4223033	2.33E-03	1.24E-03	3.07E-04	2.37E-04
147	565529.9	4222867	4.09E-03	2.17E-03	5.37E-04	4.16E-04
148	565535.7	4222886	3.53E-03	1.87E-03	4.64E-04	3.59E-04
149	565541.5	4222906	3.25E-03	1.73E-03	4.27E-04	3.31E-04
150	565548.9	4222924	3.02E-03	1.60E-03	3.96E-04	3.07E-04
151	565593.6	4223078	1.94E-03	1.03E-03	2.55E-04	1.97E-04
152	565549.1	4222507	8.75E-02	4.64E-02	1.15E-02	8.90E-03
153	565543.1	4222521	7.72E-02	4.10E-02	1.01E-02	7.85E-03
154	565552.3	4222491	1.00E-01	5.30E-02	1.31E-02	1.02E-02
155	565552.5	4222482	1.08E-01	5.71E-02	1.42E-02	1.10E-02
156	565552.7	4222473	1.15E-01	6.12E-02	1.52E-02	1.17E-02
157	565558.3	4222509	8.25E-02	4.38E-02	1.08E-02	8.39E-03
158	565551.1	4222525	7.17E-02	3.80E-02	9.42E-03	7.29E-03
159	565547.5	4222533	6.60E-02	3.50E-02	8.66E-03	6.70E-03
160	565561.9	4222501	8.73E-02	4.63E-02	1.15E-02	8.88E-03
161	565562.1	4222492	9.41E-02	4.99E-02	1.24E-02	9.57E-03
162	565562.3	4222483	1.01E-01	5.35E-02	1.33E-02	1.03E-02
163	565562.6	4222473	1.08E-01	5.71E-02	1.41E-02	1.09E-02
164	565568.2	4222509	7.89E-02	4.18E-02	1.04E-02	8.02E-03
165	565561.3	4222525	6.98E-02	3.70E-02	9.17E-03	7.10E-03
166	565554.3	4222541	6.00E-02	3.18E-02	7.87E-03	6.09E-03
167	565542.7	4222552	5.31E-02	2.81E-02	6.97E-03	5.40E-03
168	565572	4222492	8.89E-02	4.71E-02	1.17E-02	9.04E-03
169	565572.2	4222483	9.49E-02	5.03E-02	1.25E-02	9.64E-03
170	565572.4	4222474	1.01E-01	5.35E-02	1.32E-02	1.02E-02
171	565578.1	4222509	7.55E-02	4.00E-02	9.91E-03	7.67E-03
172	565571.3	4222525	6.77E-02	3.59E-02	8.90E-03	6.88E-03
173	565564.5	4222540	5.92E-02	3.14E-02	7.78E-03	6.02E-03
174	565549.7	4222559	4.88E-02	2.59E-02	6.41E-03	4.96E-03
175	565581.8	4222492	8.42E-02	4.46E-02	1.11E-02	8.56E-03
176	565582	4222483	8.95E-02	4.74E-02	1.18E-02	9.09E-03
177	565582.2	4222474	9.47E-02	5.02E-02	1.24E-02	9.63E-03
178	565581.3	4222524	6.56E-02	3.48E-02	8.61E-03	6.66E-03
179	565574.6	4222540	5.82E-02	3.09E-02	7.64E-03	5.92E-03
180	565567.8	4222555	5.05E-02	2.68E-02	6.63E-03	5.13E-03
181	565556.6	4222566	4.51E-02	2.39E-02	5.92E-03	4.58E-03
182	565541	4222572	4.14E-02	2.20E-02	5.44E-03	4.21E-03
183	565577.9	4222555	5.01E-02	2.66E-02	6.58E-03	5.09E-03
184	565563.6	4222573	4.19E-02	2.22E-02	5.50E-03	4.25E-03
185	565548.2	4222579	3.85E-02	2.04E-02	5.06E-03	3.91E-03

186	565601.5	4222493	7.59E-02	4.02E-02	9.97E-03	7.71E-03
187	565607.8	4222509	6.63E-02	3.51E-02	8.70E-03	6.73E-03
188	565601.2	4222524	6.12E-02	3.25E-02	8.04E-03	6.22E-03
189	565570.5	4222580	3.90E-02	2.07E-02	5.12E-03	3.96E-03
190	565555.2	4222586	3.59E-02	1.91E-02	4.72E-03	3.65E-03
191	565540	4222592	3.25E-02	1.72E-02	4.27E-03	3.30E-03
192	565611.3	4222493	7.22E-02	3.83E-02	9.48E-03	7.33E-03
193	565611.5	4222484	7.58E-02	4.02E-02	9.96E-03	7.71E-03
194	565611.7	4222475	7.95E-02	4.21E-02	1.04E-02	8.07E-03
195	565617.3	4222510	6.33E-02	3.36E-02	8.31E-03	6.43E-03
196	565613.7	4222518	6.10E-02	3.23E-02	8.01E-03	6.20E-03
197	565606.5	4222535	5.57E-02	2.95E-02	7.32E-03	5.66E-03
198	565599.3	4222551	4.99E-02	2.64E-02	6.55E-03	5.07E-03
199	565595.8	4222559	4.68E-02	2.48E-02	6.15E-03	4.76E-03
200	565576.6	4222587	3.63E-02	1.92E-02	4.77E-03	3.69E-03
201	565560	4222594	3.32E-02	1.76E-02	4.36E-03	3.38E-03
202	565551.7	4222597	3.15E-02	1.67E-02	4.14E-03	3.20E-03
203	565621.1	4222493	6.87E-02	3.64E-02	9.03E-03	6.98E-03
204	565621.3	4222484	7.20E-02	3.82E-02	9.45E-03	7.31E-03
205	565621.6	4222475	7.51E-02	3.98E-02	9.87E-03	7.63E-03
206	565627.2	4222510	6.07E-02	3.22E-02	7.97E-03	6.16E-03
207	565620.1	4222526	5.65E-02	3.00E-02	7.42E-03	5.74E-03
208	565613	4222543	5.16E-02	2.74E-02	6.78E-03	5.25E-03
209	565606	4222559	4.63E-02	2.45E-02	6.08E-03	4.70E-03
210	565567.2	4222601	3.13E-02	1.66E-02	4.11E-03	3.18E-03
211	565550.8	4222607	2.81E-02	1.49E-02	3.70E-03	2.86E-03
212	565630.8	4222502	6.25E-02	3.31E-02	8.21E-03	6.35E-03
213	565631	4222493	6.55E-02	3.47E-02	8.60E-03	6.65E-03
214	565631.2	4222484	6.84E-02	3.63E-02	8.98E-03	6.95E-03
215	565631.4	4222475	7.11E-02	3.77E-02	9.34E-03	7.23E-03
216	565637.1	4222510	5.82E-02	3.09E-02	7.65E-03	5.92E-03
217	565630.1	4222526	5.45E-02	2.89E-02	7.16E-03	5.54E-03
218	565623.1	4222542	5.03E-02	2.66E-02	6.60E-03	5.11E-03
219	565616.1	4222558	4.56E-02	2.42E-02	5.99E-03	4.63E-03
220	565602.1	4222590	3.56E-02	1.88E-02	4.67E-03	3.61E-03
221	565590.6	4222601	3.20E-02	1.70E-02	4.20E-03	3.25E-03
222	565574.4	4222608	2.95E-02	1.56E-02	3.87E-03	3.00E-03
223	565558.2	4222614	2.67E-02	1.41E-02	3.50E-03	2.71E-03
224	565542	4222621	2.37E-02	1.26E-02	3.12E-03	2.41E-03
225	565640.8	4222493	6.24E-02	3.31E-02	8.20E-03	6.35E-03
226	565641	4222484	6.50E-02	3.45E-02	8.54E-03	6.61E-03
227	565641.2	4222475	6.75E-02	3.58E-02	8.86E-03	6.86E-03
228	565647	4222511	5.59E-02	2.96E-02	7.34E-03	5.68E-03
229	565640.1	4222526	5.27E-02	2.79E-02	6.92E-03	5.35E-03
230	565633.1	4222542	4.89E-02	2.59E-02	6.42E-03	4.97E-03
231	565626.2	4222558	4.47E-02	2.37E-02	5.87E-03	4.54E-03
232	565612.4	4222589	3.57E-02	1.89E-02	4.68E-03	3.62E-03

233	565597.5	4222608	3.01E-02	1.60E-02	3.96E-03	3.06E-03
234	565565.5	4222621	2.53E-02	1.34E-02	3.32E-03	2.57E-03
235	565549.5	4222628	2.27E-02	1.20E-02	2.97E-03	2.30E-03
236	565533.5	4222634	2.00E-02	1.06E-02	2.63E-03	2.04E-03
237	565650.6	4222494	5.96E-02	3.16E-02	7.82E-03	6.05E-03
238	565650.9	4222485	6.18E-02	3.28E-02	8.12E-03	6.28E-03
239	565651.1	4222476	6.40E-02	3.39E-02	8.40E-03	6.50E-03
240	565656.8	4222511	5.36E-02	2.84E-02	7.04E-03	5.44E-03
241	565650	4222526	5.08E-02	2.70E-02	6.68E-03	5.17E-03
242	565643.1	4222542	4.76E-02	2.52E-02	6.25E-03	4.83E-03
243	565636.3	4222558	4.38E-02	2.32E-02	5.75E-03	4.45E-03
244	565622.6	4222589	3.55E-02	1.88E-02	4.67E-03	3.61E-03
245	565615.7	4222605	3.14E-02	1.67E-02	4.13E-03	3.19E-03
246	565604.4	4222616	2.85E-02	1.51E-02	3.74E-03	2.89E-03
247	565572.7	4222628	2.40E-02	1.27E-02	3.16E-03	2.44E-03
248	565556.9	4222634	2.16E-02	1.15E-02	2.84E-03	2.20E-03
249	565541	4222641	1.92E-02	1.02E-02	2.53E-03	1.95E-03
250	565660.5	4222494	5.68E-02	3.01E-02	7.46E-03	5.77E-03
251	565660.7	4222485	5.88E-02	3.12E-02	7.72E-03	5.98E-03
252	565660.9	4222476	6.07E-02	3.22E-02	7.98E-03	6.17E-03
253	565666.7	4222511	5.14E-02	2.73E-02	6.75E-03	5.22E-03
254	565659.9	4222526	4.91E-02	2.60E-02	6.44E-03	4.99E-03
255	565653.1	4222542	4.62E-02	2.45E-02	6.06E-03	4.69E-03
256	565646.3	4222557	4.29E-02	2.27E-02	5.63E-03	4.36E-03
257	565632.7	4222588	3.54E-02	1.88E-02	4.65E-03	3.59E-03
258	565626	4222604	3.15E-02	1.67E-02	4.14E-03	3.20E-03
259	565611.3	4222623	2.69E-02	1.43E-02	3.54E-03	2.74E-03
260	565595.6	4222629	2.50E-02	1.33E-02	3.28E-03	2.54E-03
261	565564.2	4222641	2.07E-02	1.10E-02	2.71E-03	2.10E-03
262	565548.5	4222648	1.85E-02	9.79E-03	2.43E-03	1.88E-03
263	565532.7	4222654	1.64E-02	8.68E-03	2.15E-03	1.66E-03
264	565670.3	4222494	5.42E-02	2.87E-02	7.12E-03	5.51E-03
265	565670.5	4222485	5.60E-02	2.97E-02	7.35E-03	5.69E-03
266	565670.7	4222476	5.77E-02	3.06E-02	7.58E-03	5.86E-03
267	565676.3	4222512	4.93E-02	2.61E-02	6.47E-03	5.01E-03
268	565672.7	4222520	4.82E-02	2.56E-02	6.34E-03	4.90E-03
269	565665.6	4222536	4.58E-02	2.43E-02	6.01E-03	4.65E-03
270	565662	4222544	4.43E-02	2.35E-02	5.82E-03	4.51E-03
271	565640.4	4222594	3.38E-02	1.79E-02	4.44E-03	3.43E-03
272	565636.8	4222602	3.19E-02	1.69E-02	4.19E-03	3.24E-03
273	565629.6	4222618	2.81E-02	1.49E-02	3.69E-03	2.86E-03
274	565617.7	4222630	2.55E-02	1.35E-02	3.34E-03	2.59E-03
275	565601	4222636	2.36E-02	1.25E-02	3.09E-03	2.39E-03
276	565592.7	4222640	2.25E-02	1.19E-02	2.96E-03	2.29E-03
277	565559.5	4222653	1.82E-02	9.65E-03	2.39E-03	1.85E-03
278	565551.1	4222656	1.72E-02	9.10E-03	2.25E-03	1.74E-03
279	565534.5	4222663	1.51E-02	8.03E-03	1.99E-03	1.54E-03

280	565680.1	4222494	5.18E-02	2.74E-02	6.80E-03	5.26E-03
281	565680.4	4222485	5.33E-02	2.83E-02	7.00E-03	5.42E-03
282	565680.6	4222476	5.48E-02	2.91E-02	7.20E-03	5.57E-03
283	565686.2	4222512	4.73E-02	2.51E-02	6.21E-03	4.81E-03
284	565679.1	4222528	4.54E-02	2.41E-02	5.97E-03	4.62E-03
285	565657.7	4222577	3.70E-02	1.96E-02	4.86E-03	3.76E-03
286	565654.2	4222585	3.53E-02	1.87E-02	4.64E-03	3.59E-03
287	565647.1	4222601	3.18E-02	1.69E-02	4.18E-03	3.23E-03
288	565640	4222617	2.83E-02	1.50E-02	3.72E-03	2.88E-03
289	565624.6	4222637	2.41E-02	1.28E-02	3.17E-03	2.45E-03
290	565608.1	4222643	2.24E-02	1.19E-02	2.94E-03	2.28E-03
291	565591.7	4222650	2.05E-02	1.09E-02	2.69E-03	2.08E-03
292	565558.8	4222663	1.65E-02	8.77E-03	2.17E-03	1.68E-03
293	565542.3	4222670	1.47E-02	7.79E-03	1.93E-03	1.49E-03
294	565689.8	4222504	4.80E-02	2.55E-02	6.31E-03	4.88E-03
295	565690	4222495	4.95E-02	2.62E-02	6.50E-03	5.03E-03
296	565690.2	4222486	5.09E-02	2.70E-02	6.68E-03	5.17E-03
297	565690.4	4222477	5.22E-02	2.77E-02	6.86E-03	5.31E-03
298	565696.1	4222512	4.54E-02	2.41E-02	5.96E-03	4.61E-03
299	565674.9	4222560	3.93E-02	2.08E-02	5.16E-03	3.99E-03
300	565667.9	4222576	3.64E-02	1.93E-02	4.78E-03	3.70E-03
301	565660.8	4222592	3.33E-02	1.76E-02	4.37E-03	3.38E-03
302	565653.8	4222608	3.00E-02	1.59E-02	3.95E-03	3.05E-03
303	565646.7	4222625	2.68E-02	1.42E-02	3.52E-03	2.73E-03
304	565631.5	4222644	2.29E-02	1.22E-02	3.01E-03	2.33E-03
305	565615.2	4222650	2.13E-02	1.13E-02	2.80E-03	2.17E-03
306	565598.9	4222657	1.96E-02	1.04E-02	2.57E-03	1.99E-03
307	565566.3	4222670	1.59E-02	8.45E-03	2.09E-03	1.62E-03
308	565550	4222676	1.42E-02	7.54E-03	1.87E-03	1.45E-03
309	565533.7	4222683	1.26E-02	6.70E-03	1.66E-03	1.28E-03
310	565699.8	4222495	4.73E-02	2.51E-02	6.21E-03	4.81E-03
311	565700	4222486	4.85E-02	2.57E-02	6.37E-03	4.93E-03
312	565700.3	4222477	4.97E-02	2.64E-02	6.53E-03	5.05E-03
313	565692	4222544	4.05E-02	2.15E-02	5.32E-03	4.11E-03
314	565685	4222560	3.83E-02	2.03E-02	5.03E-03	3.89E-03
315	565678	4222576	3.57E-02	1.89E-02	4.69E-03	3.63E-03
316	565671	4222592	3.29E-02	1.74E-02	4.32E-03	3.34E-03
317	565664	4222608	2.99E-02	1.59E-02	3.93E-03	3.04E-03
318	565657	4222624	2.69E-02	1.43E-02	3.53E-03	2.73E-03
319	565650	4222640	2.40E-02	1.27E-02	3.15E-03	2.44E-03
320	565638.4	4222651	2.18E-02	1.16E-02	2.87E-03	2.22E-03
321	565622.3	4222657	2.03E-02	1.08E-02	2.67E-03	2.06E-03
322	565606.1	4222664	1.87E-02	9.93E-03	2.46E-03	1.90E-03
323	565589.9	4222670	1.70E-02	9.03E-03	2.24E-03	1.73E-03
324	565557.6	4222683	1.38E-02	7.30E-03	1.81E-03	1.40E-03
325	565541.4	4222690	1.23E-02	6.52E-03	1.61E-03	1.25E-03
326	565709.7	4222495	4.53E-02	2.40E-02	5.95E-03	4.60E-03

327	565709.9	4222486	0.04637766	2.46E-02	6.09E-03	4.71E-03
328	565710.1	4222477	0.0474245	2.51E-02	6.23E-03	4.82E-03
329	565708.9	4222528	0.04076333	2.16E-02	5.35E-03	4.14E-03
330	565701.9	4222544	0.0392172	2.08E-02	5.15E-03	3.99E-03
331	565695	4222560	0.03726216	1.98E-02	4.89E-03	3.79E-03
332	565688.1	4222576	0.03498149	1.85E-02	4.59E-03	3.56E-03
333	565681.1	4222591	0.03242487	1.72E-02	4.26E-03	3.30E-03
334	565674.2	4222607	0.02969976	1.57E-02	3.90E-03	3.02E-03
335	565667.2	4222623	0.0269039	1.43E-02	3.53E-03	2.73E-03
336	565660.3	4222639	0.02413392	1.28E-02	3.17E-03	2.45E-03
337	565645.3	4222658	0.02082318	1.10E-02	2.73E-03	2.12E-03
338	565629.3	4222664	0.01940078	1.03E-02	2.55E-03	1.97E-03
339	565613.2	4222671	0.01793962	9.51E-03	2.36E-03	1.82E-03
340	565597.2	4222677	0.01637493	8.68E-03	2.15E-03	1.66E-03
341	565565.1	4222690	0.01333214	7.07E-03	1.75E-03	1.35E-03
342	565549	4222696	0.01194414	6.33E-03	1.57E-03	1.21E-03
343	565719.7	4222486	0.04435629	2.35E-02	5.83E-03	4.51E-03
344	565719.9	4222477	0.0452803	2.40E-02	5.95E-03	4.60E-03
345	565725.5	4222513	0.04028397	2.14E-02	5.29E-03	4.09E-03
346	565718.2	4222529	0.03922908	2.08E-02	5.15E-03	3.99E-03
347	565711	4222546	0.03777096	2.00E-02	4.96E-03	3.84E-03
348	565707.4	4222554	0.03688047	1.96E-02	4.84E-03	3.75E-03
349	565700.1	4222571	0.03483678	1.85E-02	4.58E-03	3.54E-03
350	565692.8	4222587	0.03247404	1.72E-02	4.26E-03	3.30E-03
351	565685.6	4222604	0.02988465	1.58E-02	3.92E-03	3.04E-03
352	565678.3	4222620	0.02716792	1.44E-02	3.57E-03	2.76E-03
353	565671.1	4222637	0.02442322	1.29E-02	3.21E-03	2.48E-03
354	565667.5	4222645	0.0230814	1.22E-02	3.03E-03	2.35E-03
355	565651.8	4222665	0.0198389	1.05E-02	2.61E-03	2.02E-03
356	565643.4	4222669	0.01917044	1.02E-02	2.52E-03	1.95E-03
357	565635	4222672	0.01845972	9.79E-03	2.42E-03	1.88E-03
358	565618.2	4222679	0.017024	9.03E-03	2.24E-03	1.73E-03
359	565609.9	4222682	0.01626017	8.62E-03	2.14E-03	1.65E-03
360	565601.5	4222685	0.01549307	8.21E-03	2.03E-03	1.57E-03
361	565584.7	4222692	0.01397753	7.41E-03	1.84E-03	1.42E-03
362	565559.5	4222702	0.01184898	6.28E-03	1.56E-03	1.20E-03
363	565551.1	4222705	0.01120015	5.94E-03	1.47E-03	1.14E-03
364	565729.8	4222477	0.04326776	2.29E-02	5.68E-03	4.40E-03
365	565735.4	4222513	0.0395562	2.10E-02	5.19E-03	4.02E-03
366	565728.2	4222529	0.03785609	2.01E-02	4.97E-03	3.85E-03
367	565721	4222546	0.03658842	1.94E-02	4.81E-03	3.72E-03
368	565713.8	4222562	0.03494972	1.85E-02	4.59E-03	3.55E-03
369	565706.6	4222579	0.03298572	1.75E-02	4.33E-03	3.35E-03
370	565703	4222587	0.03188909	1.69E-02	4.19E-03	3.24E-03
371	565695.8	4222603	0.02954039	1.57E-02	3.88E-03	3.00E-03
372	565688.6	4222620	0.02704511	1.43E-02	3.55E-03	2.75E-03
373	565685	4222628	0.02525196	1.34E-02	3.32E-03	2.57E-03

374	565677.8	4222644	0.02253475	1.19E-02	2.96E-03	2.29E-03
375	565625.4	4222686	0.01631302	8.65E-03	2.14E-03	1.66E-03
376	565617.1	4222689	0.01565585	8.30E-03	2.06E-03	1.59E-03
377	565600.5	4222695	0.01423455	7.55E-03	1.87E-03	1.45E-03
378	565592.2	4222699	0.01353333	7.18E-03	1.78E-03	1.38E-03
379	565558.9	4222712	0.01092984	5.79E-03	1.44E-03	1.11E-03
380	565550.6	4222715	0.01034908	5.49E-03	1.36E-03	1.05E-03
381	565745.2	4222513	0.03808063	2.02E-02	5.00E-03	3.87E-03
382	565741.6	4222521	0.03769054	2.00E-02	4.95E-03	3.83E-03
383	565734.5	4222538	0.03663022	1.94E-02	4.81E-03	3.72E-03
384	565730.9	4222546	0.03543216	1.88E-02	4.65E-03	3.60E-03
385	565723.8	4222562	0.03399792	1.80E-02	4.46E-03	3.46E-03
386	565716.7	4222578	0.03225311	1.71E-02	4.24E-03	3.28E-03
387	565709.6	4222595	0.03022701	1.60E-02	3.97E-03	3.07E-03
388	565702.4	4222611	0.02776804	1.47E-02	3.65E-03	2.82E-03
389	565695.3	4222627	0.02520441	1.34E-02	3.31E-03	2.56E-03
390	565665.6	4222679	0.01728665	9.17E-03	2.27E-03	1.76E-03
391	565566.6	4222719	0.01066458	5.65E-03	1.40E-03	1.08E-03
392	565550.1	4222725	0.009592508	5.09E-03	1.26E-03	9.75E-04
393	565755.1	4222513	0.03666737	1.94E-02	4.82E-03	3.73E-03
394	565748	4222530	0.03591781	1.90E-02	4.72E-03	3.65E-03
395	565740.9	4222546	0.0348367	1.85E-02	4.58E-03	3.54E-03
396	565737.4	4222554	0.03418037	1.81E-02	4.49E-03	3.47E-03
397	565730.3	4222570	0.03231043	1.71E-02	4.24E-03	3.28E-03
398	565723.2	4222586	0.03061935	1.62E-02	4.02E-03	3.11E-03
399	565716.1	4222602	0.02861055	1.52E-02	3.76E-03	2.91E-03
400	565694.9	4222651	0.0214739	1.14E-02	2.82E-03	2.18E-03
401	565691.3	4222659	0.0203079	1.08E-02	2.67E-03	2.06E-03
402	565672.5	4222686	0.01646116	8.73E-03	2.16E-03	1.67E-03
403	565656.1	4222693	0.01628058	8.63E-03	2.14E-03	1.65E-03
404	565639.8	4222699	0.01510961	8.01E-03	1.98E-03	1.54E-03
405	565557.8	4222732	0.009380589	4.97E-03	1.23E-03	9.53E-04
406	565764.9	4222514	0.03531339	1.87E-02	4.64E-03	3.59E-03
407	565757.9	4222530	0.03466784	1.84E-02	4.55E-03	3.52E-03
408	565750.9	4222546	0.0337204	1.79E-02	4.43E-03	3.43E-03
409	565743.8	4222562	0.03250462	1.72E-02	4.27E-03	3.30E-03
410	565736.8	4222578	0.03099717	1.64E-02	4.07E-03	3.15E-03
411	565729.8	4222594	0.02917489	1.55E-02	3.83E-03	2.96E-03
412	565708.7	4222642	0.02263029	1.20E-02	2.97E-03	2.30E-03
413	565701.6	4222658	0.02038135	1.08E-02	2.68E-03	2.07E-03
414	565679.4	4222693	0.0156672	8.31E-03	2.06E-03	1.59E-03
415	565663.2	4222700	0.01468604	7.79E-03	1.93E-03	1.49E-03
416	565646.9	4222706	0.01454182	7.71E-03	1.91E-03	1.48E-03
417	565614.3	4222719	0.01227373	6.51E-03	1.61E-03	1.25E-03
418	565598	4222726	0.01117446	5.92E-03	1.47E-03	1.14E-03
419	565581.8	4222732	0.01013864	5.38E-03	1.33E-03	1.03E-03
420	565565.5	4222739	0.009168832	4.86E-03	1.20E-03	9.32E-04

421	565769.1	4222478	0.03633882	1.93E-02	4.77E-03	3.69E-03
422	565767.8	4222530	0.03346435	1.77E-02	4.39E-03	3.40E-03
423	565760.8	4222546	0.032616	1.73E-02	4.28E-03	3.31E-03
424	565753.8	4222562	0.03156321	1.67E-02	4.15E-03	3.21E-03
425	565746.8	4222578	0.03022785	1.60E-02	3.97E-03	3.07E-03
426	565725.9	4222625	0.02463522	1.31E-02	3.24E-03	2.50E-03
427	565718.9	4222641	0.02251767	1.19E-02	2.96E-03	2.29E-03
428	565711.9	4222657	0.02042909	1.08E-02	2.68E-03	2.08E-03
429	565704.9	4222673	0.0183222	9.71E-03	2.41E-03	1.86E-03
430	565686.3	4222700	0.01492827	7.91E-03	1.96E-03	1.52E-03
431	565670.1	4222707	0.01400157	7.42E-03	1.84E-03	1.42E-03
432	565654	4222713	0.01305586	6.92E-03	1.71E-03	1.33E-03
433	565621.6	4222726	0.01185215	6.28E-03	1.56E-03	1.20E-03
434	565605.4	4222733	0.0108542	5.75E-03	1.43E-03	1.10E-03
435	565589.3	4222739	0.009876214	5.24E-03	1.30E-03	1.00E-03
436	565778.5	4222497	0.03476946	1.84E-02	4.57E-03	3.53E-03
437	565778.7	4222488	0.03530456	1.87E-02	4.64E-03	3.59E-03
438	565778.9	4222479	0.03577617	1.90E-02	4.70E-03	3.64E-03
439	565777.3	4222531	0.03227643	1.71E-02	4.24E-03	3.28E-03
440	565770	4222547	0.03147951	1.67E-02	4.13E-03	3.20E-03
441	565748.3	4222597	0.02759751	1.46E-02	3.62E-03	2.80E-03
442	565741.1	4222613	0.02577177	1.37E-02	3.38E-03	2.62E-03
443	565733.8	4222630	0.02371369	1.26E-02	3.11E-03	2.41E-03
444	565726.6	4222646	0.02168111	1.15E-02	2.85E-03	2.20E-03
445	565719.3	4222663	0.01965423	1.04E-02	2.58E-03	2.00E-03
446	565712.1	4222679	0.0175622	9.31E-03	2.31E-03	1.78E-03
447	565692.9	4222708	0.01422072	7.54E-03	1.87E-03	1.45E-03
448	565684.5	4222711	0.01377023	7.30E-03	1.81E-03	1.40E-03
449	565676.1	4222714	0.01331052	7.06E-03	1.75E-03	1.35E-03
450	565659.4	4222721	0.01237755	6.56E-03	1.63E-03	1.26E-03
451	565651	4222724	0.01191439	6.32E-03	1.56E-03	1.21E-03
452	565625.9	4222734	0.01033701	5.48E-03	1.36E-03	1.05E-03
453	565609.1	4222741	0.01033303	5.48E-03	1.36E-03	1.05E-03
454	565600.7	4222744	0.009849963	5.22E-03	1.29E-03	1.00E-03
455	565584	4222751	0.008931926	4.74E-03	1.17E-03	9.08E-04
456	565788.1	4222506	0.03289371	1.74E-02	4.32E-03	3.34E-03
457	565788.3	4222497	0.03343404	1.77E-02	4.39E-03	3.40E-03
458	565788.6	4222488	0.03391861	1.80E-02	4.45E-03	3.45E-03
459	565788.8	4222479	0.03434166	1.82E-02	4.51E-03	3.49E-03
460	565762	4222588	0.02774609	1.47E-02	3.64E-03	2.82E-03
461	565754.8	4222605	0.02620585	1.39E-02	3.44E-03	2.66E-03
462	565751.2	4222613	0.02535129	1.34E-02	3.33E-03	2.58E-03
463	565736.8	4222646	0.02156491	1.14E-02	2.83E-03	2.19E-03
464	565733.3	4222654	0.02063437	1.09E-02	2.71E-03	2.10E-03
465	565726.1	4222670	0.01870367	9.92E-03	2.46E-03	1.90E-03
466	565718.9	4222687	0.01670708	8.86E-03	2.19E-03	1.70E-03
467	565699.8	4222715	0.01357779	7.20E-03	1.78E-03	1.38E-03

468	565691.4	4222718	0.01315349	6.97E-03	1.73E-03	1.34E-03
469	565683.1	4222721	0.01272199	6.75E-03	1.67E-03	1.29E-03
470	565666.5	4222728	0.01184215	6.28E-03	1.56E-03	1.20E-03
471	565658.2	4222731	0.01140567	6.05E-03	1.50E-03	1.16E-03
472	565624.9	4222745	0.009509047	5.04E-03	1.25E-03	9.66E-04
473	565616.6	4222748	0.01006333	5.34E-03	1.32E-03	1.02E-03
474	565599.9	4222755	0.009161274	4.86E-03	1.20E-03	9.31E-04
475	565591.6	4222758	0.008734424	4.63E-03	1.15E-03	8.88E-04
476	565798.2	4222497	0.03214405	1.70E-02	4.22E-03	3.27E-03
477	565798.4	4222488	0.03257367	1.73E-02	4.28E-03	3.31E-03
478	565798.6	4222479	0.03295998	1.75E-02	4.33E-03	3.35E-03
479	565804.2	4222515	0.03043522	1.61E-02	4.00E-03	3.09E-03
480	565779.2	4222572	0.02822162	1.50E-02	3.71E-03	2.87E-03
481	565775.6	4222580	0.02768374	1.47E-02	3.64E-03	2.81E-03
482	565768.5	4222596	0.02640505	1.40E-02	3.47E-03	2.68E-03
483	565764.9	4222604	0.02567238	1.36E-02	3.37E-03	2.61E-03
484	565757.8	4222621	0.02407693	1.28E-02	3.16E-03	2.45E-03
485	565754.2	4222629	0.02321037	1.23E-02	3.05E-03	2.36E-03
486	565747.1	4222645	0.02142234	1.14E-02	2.81E-03	2.18E-03
487	565739.9	4222661	0.01965539	1.04E-02	2.58E-03	2.00E-03
488	565732.8	4222678	0.01777714	9.43E-03	2.33E-03	1.81E-03
489	565729.2	4222686	0.01681894	8.92E-03	2.21E-03	1.71E-03
490	565706.7	4222722	0.01297606	6.88E-03	1.70E-03	1.32E-03
491	565690.1	4222728	0.01216964	6.45E-03	1.60E-03	1.24E-03
492	565673.6	4222735	0.01134335	6.01E-03	1.49E-03	1.15E-03
493	565640.5	4222748	0.009696356	5.14E-03	1.27E-03	9.85E-04
494	565624	4222755	0.008769685	4.65E-03	1.15E-03	8.91E-04
495	565607.5	4222761	0.008946235	4.74E-03	1.17E-03	9.09E-04
496	565590.9	4222768	0.008154693	4.32E-03	1.07E-03	8.29E-04
497	565557.9	4222781	0.006793829	3.60E-03	8.92E-04	6.90E-04
498	565808	4222497	0.03087536	1.64E-02	4.05E-03	3.14E-03
499	565808.2	4222488	0.0312351	1.66E-02	4.10E-03	3.17E-03
500	565808.4	4222479	0.0315996	1.68E-02	4.15E-03	3.21E-03
501	565824.3	4222515	0.0282638	1.50E-02	3.71E-03	2.87E-03
502	565817.2	4222531	0.0280752	1.49E-02	3.69E-03	2.85E-03
503	565803.1	4222563	0.02700065	1.43E-02	3.55E-03	2.74E-03
504	565796	4222580	0.02614765	1.39E-02	3.43E-03	2.66E-03
505	565788.9	4222596	0.02518599	1.34E-02	3.31E-03	2.56E-03
506	565785.4	4222604	0.02462151	1.31E-02	3.23E-03	2.50E-03
507	565778.3	4222620	0.02328738	1.23E-02	3.06E-03	2.37E-03
508	565771.2	4222636	0.02180074	1.16E-02	2.86E-03	2.22E-03
509	565757.1	4222668	0.01859915	9.86E-03	2.44E-03	1.89E-03
510	565750	4222684	0.01692669	8.97E-03	2.22E-03	1.72E-03
511	565743	4222701	0.01525232	8.09E-03	2.00E-03	1.55E-03
512	565720.7	4222736	0.01189688	6.31E-03	1.56E-03	1.21E-03
513	565704.3	4222743	0.01115477	5.91E-03	1.46E-03	1.13E-03
514	565687.9	4222749	0.01041767	5.52E-03	1.37E-03	1.06E-03

515	565655.2	4222762	0.008982223	4.76E-03	1.18E-03	9.13E-04
516	565638.9	4222769	0.008269918	4.38E-03	1.09E-03	8.40E-04
517	565622.5	4222775	0.00750226	3.98E-03	9.85E-04	7.62E-04
518	565606.2	4222782	0.007796913	4.13E-03	1.02E-03	7.92E-04
519	565589.8	4222788	0.00714631	3.79E-03	9.39E-04	7.26E-04
520	565557.1	4222801	0.006023159	3.19E-03	7.91E-04	6.12E-04
521	565828	4222498	0.02845463	1.51E-02	3.74E-03	2.89E-03
522	565828.2	4222489	0.02867516	1.52E-02	3.77E-03	2.91E-03
523	565828.4	4222480	0.02898229	1.54E-02	3.81E-03	2.95E-03
524	565844.2	4222516	0.02617231	1.39E-02	3.44E-03	2.66E-03
525	565840.5	4222524	0.02624103	1.39E-02	3.45E-03	2.67E-03
526	565833.3	4222541	0.02612419	1.39E-02	3.43E-03	2.65E-03
527	565829.7	4222549	0.02593137	1.37E-02	3.41E-03	2.64E-03
528	565815.2	4222582	0.02461279	1.30E-02	3.23E-03	2.50E-03
529	565807.9	4222598	0.02375177	1.26E-02	3.12E-03	2.41E-03
530	565800.7	4222615	0.0227322	1.21E-02	2.99E-03	2.31E-03
531	565793.4	4222631	0.02150176	1.14E-02	2.82E-03	2.19E-03
532	565786.2	4222648	0.02011282	1.07E-02	2.64E-03	2.04E-03
533	565775.3	4222673	0.0178737	9.48E-03	2.35E-03	1.82E-03
534	565768.1	4222689	0.01633437	8.66E-03	2.15E-03	1.66E-03
535	565760.8	4222706	0.01480312	7.85E-03	1.94E-03	1.50E-03
536	565753.6	4222722	0.01331729	7.06E-03	1.75E-03	1.35E-03
537	565734.4	4222751	0.01099546	5.83E-03	1.44E-03	1.12E-03
538	565726	4222754	0.0106507	5.65E-03	1.40E-03	1.08E-03
539	565709.2	4222761	0.009910453	5.25E-03	1.30E-03	1.01E-03
540	565700.8	4222764	0.009548129	5.06E-03	1.25E-03	9.70E-04
541	565667.3	4222777	0.008224705	4.36E-03	1.08E-03	8.36E-04
542	565650.5	4222784	0.007612779	4.04E-03	1.00E-03	7.74E-04
543	565642.1	4222787	0.007312451	3.88E-03	9.60E-04	7.43E-04
544	565625.4	4222794	0.006639685	3.52E-03	8.72E-04	6.75E-04
545	565617	4222797	0.006525051	3.46E-03	8.57E-04	6.63E-04
546	565558.3	4222821	0.004938147	2.62E-03	6.49E-04	5.02E-04
547	565848	4222498	0.02631435	1.40E-02	3.46E-03	2.67E-03
548	565848.2	4222489	0.02651554	1.41E-02	3.48E-03	2.69E-03
549	565848.4	4222480	0.02674661	1.42E-02	3.51E-03	2.72E-03
550	565864.2	4222516	0.0243701	1.29E-02	3.20E-03	2.48E-03
551	565860.6	4222524	0.02448315	1.30E-02	3.22E-03	2.49E-03
552	565853.4	4222541	0.02458748	1.30E-02	3.23E-03	2.50E-03
553	565849.9	4222549	0.02450771	1.30E-02	3.22E-03	2.49E-03
554	565831.9	4222590	0.02303708	1.22E-02	3.03E-03	2.34E-03
555	565828.3	4222598	0.02259831	1.20E-02	2.97E-03	2.30E-03
556	565821.2	4222614	0.02169916	1.15E-02	2.85E-03	2.21E-03
557	565814	4222631	0.0207554	1.10E-02	2.73E-03	2.11E-03
558	565810.4	4222639	0.02020682	1.07E-02	2.65E-03	2.05E-03
559	565803.2	4222655	0.01897719	1.01E-02	2.49E-03	1.93E-03
560	565799.7	4222663	0.01833008	9.72E-03	2.41E-03	1.86E-03
561	565788.9	4222688	0.01630323	8.64E-03	2.14E-03	1.66E-03

562	565781.7	4222704	0.01492241	7.91E-03	1.96E-03	1.52E-03
563	565774.6	4222721	0.01355912	7.19E-03	1.78E-03	1.38E-03
564	565771	4222729	0.0128905	6.83E-03	1.69E-03	1.31E-03
565	565748.3	4222765	0.0101426	5.38E-03	1.33E-03	1.03E-03
566	565731.7	4222771	0.009550764	5.06E-03	1.25E-03	9.71E-04
567	565723.5	4222775	0.009214583	4.89E-03	1.21E-03	9.36E-04
568	565706.9	4222781	0.008545071	4.53E-03	1.12E-03	8.68E-04
569	565682	4222791	0.007656998	4.06E-03	1.01E-03	7.78E-04
570	565665.4	4222798	0.007098568	3.76E-03	9.32E-04	7.21E-04
571	565657.1	4222801	0.006838316	3.63E-03	8.98E-04	6.95E-04
572	565640.5	4222808	0.006328356	3.36E-03	8.31E-04	6.43E-04
573	565607.3	4222821	0.005407629	2.87E-03	7.10E-04	5.50E-04
574	565599	4222824	0.005210127	2.76E-03	6.84E-04	5.29E-04
575	565557.5	4222841	0.004463314	2.37E-03	5.86E-04	4.54E-04
576	565868	4222499	0.02451193	1.30E-02	3.22E-03	2.49E-03
577	565868.2	4222490	0.02468224	1.31E-02	3.24E-03	2.51E-03
578	565868.4	4222481	0.0248622	1.32E-02	3.27E-03	2.53E-03
579	565884.2	4222517	0.02284355	1.21E-02	3.00E-03	2.32E-03
580	565877.1	4222533	0.02301432	1.22E-02	3.02E-03	2.34E-03
581	565873.6	4222541	0.02305305	1.22E-02	3.03E-03	2.34E-03
582	565866.5	4222557	0.0229183	1.22E-02	3.01E-03	2.33E-03
583	565859.4	4222573	0.02257507	1.20E-02	2.96E-03	2.29E-03
584	565845.1	4222606	0.0213329	1.13E-02	2.80E-03	2.17E-03
585	565841.6	4222614	0.02090172	1.11E-02	2.75E-03	2.12E-03
586	565834.5	4222630	0.01999603	1.06E-02	2.63E-03	2.03E-03
587	565827.4	4222646	0.01901686	1.01E-02	2.50E-03	1.93E-03
588	565823.8	4222654	0.01848132	9.80E-03	2.43E-03	1.88E-03
589	565816.7	4222671	0.01732772	9.19E-03	2.28E-03	1.76E-03
590	565799	4222711	0.01426769	7.56E-03	1.87E-03	1.45E-03
591	565791.9	4222727	0.01306627	6.93E-03	1.72E-03	1.33E-03
592	565784.8	4222743	0.0118628	6.29E-03	1.56E-03	1.21E-03
593	565762.3	4222779	0.009351057	4.96E-03	1.23E-03	9.50E-04
594	565745.9	4222786	0.008835824	4.68E-03	1.16E-03	8.98E-04
595	565729.4	4222792	0.008291247	4.40E-03	1.09E-03	8.43E-04
596	565696.6	4222805	0.007189426	3.81E-03	9.44E-04	7.31E-04
597	565680.1	4222812	0.006659426	3.53E-03	8.75E-04	6.77E-04
598	565663.7	4222819	0.00618045	3.28E-03	8.12E-04	6.28E-04
599	565647.2	4222825	0.005754676	3.05E-03	7.56E-04	5.85E-04
600	565614.4	4222838	0.004957486	2.63E-03	6.51E-04	5.04E-04
601	565556.8	4222861	0.004035872	2.14E-03	5.30E-04	4.10E-04
602	565888	4222499	0.02292016	1.22E-02	3.01E-03	2.33E-03
603	565888.2	4222490	0.02306368	1.22E-02	3.03E-03	2.34E-03
604	565888.4	4222481	0.02321026	1.23E-02	3.05E-03	2.36E-03
605	565904.1	4222517	0.02133922	1.13E-02	2.80E-03	2.17E-03
606	565900.5	4222525	0.0214701	1.14E-02	2.82E-03	2.18E-03
607	565893.3	4222542	0.02162914	1.15E-02	2.84E-03	2.20E-03
608	565889.6	4222550	0.02161744	1.15E-02	2.84E-03	2.20E-03

609	565882.4	4222567	0.02141604	1.14E-02	2.81E-03	2.18E-03
610	565875.1	4222583	0.02109863	1.12E-02	2.77E-03	2.14E-03
611	565860.6	4222616	0.01994485	1.06E-02	2.62E-03	2.03E-03
612	565857	4222625	0.01951485	1.03E-02	2.56E-03	1.98E-03
613	565849.7	4222641	0.01860203	9.86E-03	2.44E-03	1.89E-03
614	565842.5	4222658	0.01766925	9.37E-03	2.32E-03	1.80E-03
615	565835.2	4222674	0.01659551	8.80E-03	2.18E-03	1.69E-03
616	565828	4222691	0.01540181	8.17E-03	2.02E-03	1.57E-03
617	565824.3	4222699	0.01480804	7.85E-03	1.94E-03	1.50E-03
618	565817.1	4222716	0.01370756	7.27E-03	1.80E-03	1.39E-03
619	565809.8	4222732	0.01260383	6.68E-03	1.66E-03	1.28E-03
620	565802.6	4222749	0.01151578	6.11E-03	1.51E-03	1.17E-03
621	565795.3	4222765	0.01046299	5.55E-03	1.37E-03	1.06E-03
622	565776.1	4222794	0.008715677	4.62E-03	1.14E-03	8.86E-04
623	565767.7	4222797	0.008460858	4.49E-03	1.11E-03	8.60E-04
624	565759.3	4222800	0.008211257	4.35E-03	1.08E-03	8.34E-04
625	565742.5	4222807	0.007699871	4.08E-03	1.01E-03	7.83E-04
626	565734.1	4222810	0.007433727	3.94E-03	9.76E-04	7.55E-04
627	565717.3	4222817	0.006949184	3.68E-03	9.13E-04	7.06E-04
628	565708.9	4222820	0.006721638	3.56E-03	8.83E-04	6.83E-04
629	565700.5	4222824	0.006488687	3.44E-03	8.52E-04	6.59E-04
630	565683.7	4222830	0.006009415	3.19E-03	7.89E-04	6.11E-04
631	565675.3	4222834	0.005782004	3.07E-03	7.59E-04	5.88E-04
632	565658.5	4222841	0.005367687	2.85E-03	7.05E-04	5.45E-04
633	565633.4	4222851	0.004759123	2.52E-03	6.25E-04	4.84E-04
634	565625	4222854	0.004562616	2.42E-03	5.99E-04	4.64E-04
635	565557.8	4222881	0.003678361	1.95E-03	4.83E-04	3.74E-04
636	565908	4222500	0.02143054	1.14E-02	2.81E-03	2.18E-03
637	565908.2	4222491	0.02158178	1.14E-02	2.83E-03	2.19E-03
638	565908.4	4222482	0.02171502	1.15E-02	2.85E-03	2.21E-03
639	565924.2	4222518	0.02001854	1.06E-02	2.63E-03	2.03E-03
640	565920.6	4222526	0.02012715	1.07E-02	2.64E-03	2.05E-03
641	565913.4	4222542	0.02029918	1.08E-02	2.67E-03	2.06E-03
642	565909.8	4222550	0.02031387	1.08E-02	2.67E-03	2.06E-03
643	565902.6	4222567	0.02018035	1.07E-02	2.65E-03	2.05E-03
644	565895.4	4222583	0.01994786	1.06E-02	2.62E-03	2.03E-03
645	565891.8	4222591	0.01980805	1.05E-02	2.60E-03	2.01E-03
646	565877.4	4222624	0.01878113	9.96E-03	2.47E-03	1.91E-03
647	565873.8	4222632	0.01839245	9.75E-03	2.42E-03	1.87E-03
648	565866.7	4222649	0.01756183	9.31E-03	2.31E-03	1.78E-03
649	565859.5	4222665	0.01668554	8.85E-03	2.19E-03	1.70E-03
650	565855.9	4222673	0.01619198	8.58E-03	2.13E-03	1.65E-03
651	565848.7	4222690	0.01514457	8.03E-03	1.99E-03	1.54E-03
652	565841.5	4222706	0.01410709	7.48E-03	1.85E-03	1.43E-03
653	565837.9	4222714	0.01359785	7.21E-03	1.79E-03	1.38E-03
654	565830.7	4222731	0.01256053	6.66E-03	1.65E-03	1.28E-03
655	565823.5	4222747	0.01153805	6.12E-03	1.52E-03	1.17E-03

656	565816.3	4222764	0.01056649	5.60E-03	1.39E-03	1.07E-03
657	565812.7	4222772	0.01009338	5.35E-03	1.33E-03	1.03E-03
658	565790	4222808	0.008183231	4.34E-03	1.07E-03	8.32E-04
659	565781.7	4222811	0.007953156	4.22E-03	1.04E-03	8.08E-04
660	565765.1	4222818	0.007482115	3.97E-03	9.83E-04	7.60E-04
661	565756.8	4222821	0.007244752	3.84E-03	9.51E-04	7.36E-04
662	565723.5	4222835	0.006339518	3.36E-03	8.33E-04	6.44E-04
663	565715.2	4222838	0.006137928	3.25E-03	8.06E-04	6.24E-04
664	565698.5	4222845	0.005734666	3.04E-03	7.53E-04	5.83E-04
665	565690.2	4222848	0.005515888	2.92E-03	7.24E-04	5.61E-04
666	565673.6	4222854	0.005093099	2.70E-03	6.69E-04	5.18E-04
667	565648.6	4222864	0.004534267	2.40E-03	5.95E-04	4.61E-04
668	565632	4222871	0.004190205	2.22E-03	5.50E-04	4.26E-04
669	565557.1	4222901	0.003338818	1.77E-03	4.38E-04	3.39E-04
670	565928	4222500	0.02011252	1.07E-02	2.64E-03	2.04E-03
671	565928.2	4222491	0.02024585	1.07E-02	2.66E-03	2.06E-03
672	565928.4	4222482	0.02035026	1.08E-02	2.67E-03	2.07E-03
673	565944.2	4222518	0.01885782	1.00E-02	2.48E-03	1.92E-03
674	565937.1	4222534	0.0190175	1.01E-02	2.50E-03	1.93E-03
675	565929.9	4222551	0.01910204	1.01E-02	2.51E-03	1.94E-03
676	565922.8	4222567	0.01901882	1.01E-02	2.50E-03	1.93E-03
677	565915.7	4222583	0.01883576	9.99E-03	2.47E-03	1.91E-03
678	565908.5	4222599	0.01856561	9.84E-03	2.44E-03	1.89E-03
679	565901.4	4222616	0.01819116	9.64E-03	2.39E-03	1.85E-03
680	565890.7	4222640	0.01732525	9.19E-03	2.28E-03	1.76E-03
681	565883.6	4222656	0.01657521	8.79E-03	2.18E-03	1.68E-03
682	565876.4	4222673	0.01573216	8.34E-03	2.07E-03	1.60E-03
683	565869.3	4222689	0.01481423	7.85E-03	1.95E-03	1.51E-03
684	565862.2	4222705	0.01388261	7.36E-03	1.82E-03	1.41E-03
685	565858.6	4222713	0.01342961	7.12E-03	1.76E-03	1.36E-03
686	565844.3	4222746	0.01151272	6.10E-03	1.51E-03	1.17E-03
687	565837.2	4222762	0.01057432	5.61E-03	1.39E-03	1.07E-03
688	565830.1	4222778	0.009696033	5.14E-03	1.27E-03	9.85E-04
689	565823	4222795	0.008881925	4.71E-03	1.17E-03	9.03E-04
690	565804	4222822	0.007638466	4.05E-03	1.00E-03	7.76E-04
691	565787.5	4222829	0.007279502	3.86E-03	9.56E-04	7.40E-04
692	565771	4222836	0.00685042	3.63E-03	9.00E-04	6.96E-04
693	565738	4222849	0.005984562	3.17E-03	7.86E-04	6.08E-04
694	565721.5	4222855	0.005564894	2.95E-03	7.31E-04	5.66E-04
695	565705	4222862	0.005161336	2.74E-03	6.78E-04	5.25E-04
696	565688.5	4222868	0.00478801	2.54E-03	6.29E-04	4.87E-04
697	565672	4222875	0.004461512	2.37E-03	5.86E-04	4.53E-04
698	565655.5	4222882	0.004146094	2.20E-03	5.45E-04	4.21E-04
699	565639	4222888	0.003860048	2.05E-03	5.07E-04	3.92E-04
700	565948	4222501	0.01892434	1.00E-02	2.49E-03	1.92E-03
701	565948.2	4222492	0.01903555	1.01E-02	2.50E-03	1.93E-03
702	565948.4	4222483	0.01911344	1.01E-02	2.51E-03	1.94E-03

703	565964.2	4222518	0.01778989	9.43E-03	2.34E-03	1.81E-03
704	565957.1	4222535	0.01790635	9.49E-03	2.35E-03	1.82E-03
705	565950.1	4222551	0.01797391	9.53E-03	2.36E-03	1.83E-03
706	565946.5	4222559	0.01796307	9.52E-03	2.36E-03	1.83E-03
707	565939.4	4222575	0.01787881	9.48E-03	2.35E-03	1.82E-03
708	565932.4	4222591	0.01770435	9.39E-03	2.33E-03	1.80E-03
709	565925.3	4222607	0.01743603	9.24E-03	2.29E-03	1.77E-03
710	565918.2	4222623	0.01706072	9.05E-03	2.24E-03	1.73E-03
711	565904	4222656	0.01595774	8.46E-03	2.10E-03	1.62E-03
712	565900.5	4222664	0.01560424	8.27E-03	2.05E-03	1.59E-03
713	565893.4	4222680	0.01483983	7.87E-03	1.95E-03	1.51E-03
714	565886.3	4222696	0.01400972	7.43E-03	1.84E-03	1.42E-03
715	565879.3	4222712	0.01314532	6.97E-03	1.73E-03	1.34E-03
716	565872.2	4222728	0.01228605	6.51E-03	1.61E-03	1.25E-03
717	565858	4222761	0.01050525	5.57E-03	1.38E-03	1.07E-03
718	565854.5	4222769	0.01006734	5.34E-03	1.32E-03	1.02E-03
719	565847.4	4222785	0.009235267	4.90E-03	1.21E-03	9.39E-04
720	565840.3	4222801	0.008503273	4.51E-03	1.12E-03	8.64E-04
721	565818	4222837	0.007204111	3.82E-03	9.46E-04	7.32E-04
722	565801.6	4222843	0.006871076	3.64E-03	9.02E-04	6.98E-04
723	565785.2	4222850	0.006480886	3.44E-03	8.51E-04	6.59E-04
724	565752.4	4222863	0.005615836	2.98E-03	7.38E-04	5.71E-04
725	565736.1	4222869	0.005212843	2.76E-03	6.85E-04	5.30E-04
726	565719.7	4222876	0.004833438	2.56E-03	6.35E-04	4.91E-04
727	565703.3	4222882	0.004480313	2.38E-03	5.88E-04	4.55E-04
728	565686.9	4222889	0.004197279	2.23E-03	5.51E-04	4.27E-04
729	565670.5	4222896	0.003935171	2.09E-03	5.17E-04	4.00E-04
730	565654.1	4222902	0.003676532	1.95E-03	4.83E-04	3.74E-04
731	565547.7	4222945	0.002784451	1.48E-03	3.66E-04	2.83E-04
732	565968	4222501	0.01783728	9.46E-03	2.34E-03	1.81E-03
733	565968.2	4222492	0.01793061	9.51E-03	2.35E-03	1.82E-03
734	565968.4	4222483	0.01799634	9.54E-03	2.36E-03	1.83E-03
735	565984.1	4222519	0.01676754	8.89E-03	2.20E-03	1.70E-03
736	565976.9	4222535	0.01688635	8.95E-03	2.22E-03	1.72E-03
737	565969.7	4222552	0.01692674	8.97E-03	2.22E-03	1.72E-03
738	565962.5	4222568	0.01690993	8.97E-03	2.22E-03	1.72E-03
739	565955.3	4222585	0.01679735	8.91E-03	2.21E-03	1.71E-03
740	565948.1	4222601	0.01661768	8.81E-03	2.18E-03	1.69E-03
741	565944.5	4222609	0.01649543	8.75E-03	2.17E-03	1.68E-03
742	565937.3	4222626	0.01611974	8.55E-03	2.12E-03	1.64E-03
743	565930.1	4222642	0.01570131	8.32E-03	2.06E-03	1.60E-03
744	565915.7	4222675	0.01454276	7.71E-03	1.91E-03	1.48E-03
745	565912.1	4222683	0.01418616	7.52E-03	1.86E-03	1.44E-03
746	565904.9	4222700	0.01342676	7.12E-03	1.76E-03	1.36E-03
747	565897.7	4222716	0.01261916	6.69E-03	1.66E-03	1.28E-03
748	565890.5	4222733	0.01176702	6.24E-03	1.55E-03	1.20E-03
749	565886.9	4222741	0.01133764	6.01E-03	1.49E-03	1.15E-03

750	565872.5	4222774	0.009625456	5.10E-03	1.26E-03	9.78E-04
751	565865.3	4222790	0.008852392	4.69E-03	1.16E-03	9.00E-04
752	565858.1	4222807	0.008189847	4.34E-03	1.08E-03	8.32E-04
753	565854.5	4222815	0.007840567	4.16E-03	1.03E-03	7.97E-04
754	565831.7	4222851	0.006829225	3.62E-03	8.97E-04	6.94E-04
755	565823.4	4222854	0.006674166	3.54E-03	8.77E-04	6.78E-04
756	565815.1	4222858	0.006494604	3.44E-03	8.53E-04	6.60E-04
757	565798.4	4222864	0.006130181	3.25E-03	8.05E-04	6.23E-04
758	565790.1	4222868	0.005932894	3.15E-03	7.79E-04	6.03E-04
759	565773.4	4222874	0.005478932	2.90E-03	7.20E-04	5.57E-04
760	565756.7	4222881	0.005057569	2.68E-03	6.64E-04	5.14E-04
761	565748.4	4222884	0.004882014	2.59E-03	6.41E-04	4.96E-04
762	565731.7	4222891	0.004542229	2.41E-03	5.97E-04	4.62E-04
763	565723.4	4222894	0.004369444	2.32E-03	5.74E-04	4.44E-04
764	565698.4	4222904	0.003892943	2.06E-03	5.11E-04	3.96E-04
765	565681.7	4222911	0.00366225	1.94E-03	4.81E-04	3.72E-04
766	565673.4	4222914	0.003552243	1.88E-03	4.67E-04	3.61E-04
767	565656.7	4222921	0.003328436	1.76E-03	4.37E-04	3.38E-04
768	565556.7	4222961	0.002619278	1.39E-03	3.44E-04	2.66E-04
769	565988	4222502	0.01681058	8.91E-03	2.21E-03	1.71E-03
770	565988.2	4222493	0.0169084	8.96E-03	2.22E-03	1.72E-03
771	565988.4	4222484	0.01697693	9.00E-03	2.23E-03	1.73E-03
772	566004.2	4222519	0.01579434	8.37E-03	2.07E-03	1.61E-03
773	565997	4222536	0.01596476	8.46E-03	2.10E-03	1.62E-03
774	565989.9	4222552	0.0160206	8.49E-03	2.10E-03	1.63E-03
775	565982.7	4222568	0.01597334	8.47E-03	2.10E-03	1.62E-03
776	565975.6	4222585	0.01585494	8.41E-03	2.08E-03	1.61E-03
777	565972	4222593	0.01575878	8.36E-03	2.07E-03	1.60E-03
778	565964.8	4222609	0.01555453	8.25E-03	2.04E-03	1.58E-03
779	565961.3	4222617	0.01544323	8.19E-03	2.03E-03	1.57E-03
780	565954.1	4222634	0.0151258	8.02E-03	1.99E-03	1.54E-03
781	565950.5	4222642	0.01494572	7.92E-03	1.96E-03	1.52E-03
782	565943.4	4222658	0.01454843	7.71E-03	1.91E-03	1.48E-03
783	565932.6	4222683	0.01372233	7.28E-03	1.80E-03	1.39E-03
784	565929.1	4222691	0.01339763	7.10E-03	1.76E-03	1.36E-03
785	565921.9	4222707	0.01270865	6.74E-03	1.67E-03	1.29E-03
786	565918.3	4222715	0.01234753	6.55E-03	1.62E-03	1.25E-03
787	565911.2	4222732	0.01156737	6.13E-03	1.52E-03	1.18E-03
788	565907.6	4222740	0.0111498	5.91E-03	1.46E-03	1.13E-03
789	565900.5	4222756	0.01033975	5.48E-03	1.36E-03	1.05E-03
790	565896.9	4222764	0.009961638	5.28E-03	1.31E-03	1.01E-03
791	565882.6	4222797	0.008496845	4.51E-03	1.12E-03	8.64E-04
792	565875.4	4222813	0.007959424	4.22E-03	1.05E-03	8.09E-04
793	565871.8	4222821	0.007689192	4.08E-03	1.01E-03	7.81E-04
794	565864.7	4222838	0.007230954	3.83E-03	9.50E-04	7.35E-04
795	565845.7	4222865	0.006457136	3.42E-03	8.48E-04	6.56E-04
796	565829.1	4222872	0.006153931	3.26E-03	8.08E-04	6.25E-04

797	565812.6	4222879	0.005817426	3.08E-03	7.64E-04	5.91E-04
798	565779.5	4222892	0.005049392	2.68E-03	6.63E-04	5.13E-04
799	565762.9	4222899	0.004638976	2.46E-03	6.09E-04	4.71E-04
800	565746.4	4222905	0.004330229	2.30E-03	5.69E-04	4.40E-04
801	565696.7	4222925	0.00347669	1.84E-03	4.57E-04	3.53E-04
802	565680.2	4222932	0.003267434	1.73E-03	4.29E-04	3.32E-04
803	565663.6	4222938	0.003077463	1.63E-03	4.04E-04	3.13E-04
804	565556.1	4222981	0.002452546	1.30E-03	3.22E-04	2.49E-04
805	566008	4222502	0.01587409	8.42E-03	2.08E-03	1.61E-03
806	566008.2	4222493	0.01597342	8.47E-03	2.10E-03	1.62E-03
807	566008.4	4222484	0.01604507	8.51E-03	2.11E-03	1.63E-03
808	566024.2	4222520	0.01505202	7.98E-03	1.98E-03	1.53E-03
809	566017.1	4222536	0.01515541	8.04E-03	1.99E-03	1.54E-03
810	566010	4222552	0.0151939	8.06E-03	2.00E-03	1.54E-03
811	566002.9	4222569	0.01511423	8.01E-03	1.98E-03	1.54E-03
812	565995.8	4222585	0.01499653	7.95E-03	1.97E-03	1.52E-03
813	565992.2	4222593	0.01491337	7.91E-03	1.96E-03	1.52E-03
814	565985.1	4222609	0.01471218	7.80E-03	1.93E-03	1.50E-03
815	565978	4222625	0.01452345	7.70E-03	1.91E-03	1.48E-03
816	565970.9	4222641	0.01426769	7.56E-03	1.87E-03	1.45E-03
817	565963.8	4222658	0.01394334	7.39E-03	1.83E-03	1.42E-03
818	565960.2	4222666	0.01375369	7.29E-03	1.81E-03	1.40E-03
819	565946	4222698	0.01266341	6.71E-03	1.66E-03	1.29E-03
820	565942.5	4222706	0.01235598	6.55E-03	1.62E-03	1.26E-03
821	565935.4	4222723	0.01170882	6.21E-03	1.54E-03	1.19E-03
822	565928.3	4222739	0.01099105	5.83E-03	1.44E-03	1.12E-03
823	565924.7	4222747	0.01060635	5.62E-03	1.39E-03	1.08E-03
824	565917.6	4222763	0.009864945	5.23E-03	1.30E-03	1.00E-03
825	565910.5	4222779	0.009203125	4.88E-03	1.21E-03	9.35E-04
826	565896.3	4222812	0.007992533	4.24E-03	1.05E-03	8.12E-04
827	565892.7	4222820	0.007739758	4.10E-03	1.02E-03	7.87E-04
828	565885.6	4222836	0.007216456	3.83E-03	9.48E-04	7.33E-04
829	565878.5	4222852	0.006753081	3.58E-03	8.87E-04	6.86E-04
830	565859.7	4222880	0.006083434	3.23E-03	7.99E-04	6.18E-04
831	565843.2	4222886	0.005816028	3.08E-03	7.64E-04	5.91E-04
832	565826.8	4222893	0.005496011	2.91E-03	7.22E-04	5.59E-04
833	565793.9	4222906	0.004861492	2.58E-03	6.38E-04	4.94E-04
834	565777.4	4222913	0.00447929	2.37E-03	5.88E-04	4.55E-04
835	565761	4222919	0.004124765	2.19E-03	5.42E-04	4.19E-04
836	565744.6	4222926	0.003832103	2.03E-03	5.03E-04	3.89E-04
837	565728.1	4222932	0.003555551	1.89E-03	4.67E-04	3.61E-04
838	565711.7	4222939	0.003331851	1.77E-03	4.38E-04	3.39E-04
839	566028	4222503	0.01507816	7.99E-03	1.98E-03	1.53E-03
840	566028.2	4222494	0.01514191	8.03E-03	1.99E-03	1.54E-03
841	566028.4	4222485	0.01519159	8.05E-03	2.00E-03	1.54E-03
842	566044.1	4222520	0.01435688	7.61E-03	1.89E-03	1.46E-03
843	566036.9	4222537	0.01443216	7.65E-03	1.90E-03	1.47E-03

844	566029.7	4222553	0.01441909	7.64E-03	1.89E-03	1.47E-03
845	566022.5	4222570	0.01430037	7.58E-03	1.88E-03	1.45E-03
846	566015.3	4222586	0.01417696	7.52E-03	1.86E-03	1.44E-03
847	566008	4222603	0.01401655	7.43E-03	1.84E-03	1.42E-03
848	566000.8	4222619	0.01387077	7.35E-03	1.82E-03	1.41E-03
849	565993.6	4222636	0.01368408	7.26E-03	1.80E-03	1.39E-03
850	565990	4222644	0.01354374	7.18E-03	1.78E-03	1.38E-03
851	565982.8	4222660	0.01324486	7.02E-03	1.74E-03	1.35E-03
852	565975.6	4222677	0.01286599	6.82E-03	1.69E-03	1.31E-03
853	565968.4	4222693	0.01238433	6.57E-03	1.63E-03	1.26E-03
854	565961.1	4222710	0.01183405	6.27E-03	1.55E-03	1.20E-03
855	565953.9	4222726	0.01124141	5.96E-03	1.48E-03	1.14E-03
856	565946.7	4222743	0.01062147	5.63E-03	1.39E-03	1.08E-03
857	565943.1	4222751	0.01028639	5.45E-03	1.35E-03	1.05E-03
858	565935.9	4222767	0.009644042	5.11E-03	1.27E-03	9.80E-04
859	565928.7	4222784	0.009015547	4.78E-03	1.18E-03	9.16E-04
860	565914.2	4222817	0.007767838	4.12E-03	1.02E-03	7.89E-04
861	565907	4222833	0.007361806	3.90E-03	9.67E-04	7.48E-04
862	565899.8	4222850	0.006899587	3.66E-03	9.06E-04	7.01E-04
863	565873.4	4222894	0.005676569	3.01E-03	7.46E-04	5.77E-04
864	565856.7	4222901	0.005470594	2.90E-03	7.18E-04	5.56E-04
865	565848.4	4222904	0.005332022	2.83E-03	7.00E-04	5.42E-04
866	565831.7	4222911	0.005029865	2.67E-03	6.61E-04	5.11E-04
867	565815	4222918	0.004735804	2.51E-03	6.22E-04	4.81E-04
868	565806.6	4222921	0.004589809	2.43E-03	6.03E-04	4.66E-04
869	565789.9	4222928	0.00428792	2.27E-03	5.63E-04	4.36E-04
870	565781.6	4222931	0.004113119	2.18E-03	5.40E-04	4.18E-04
871	565764.9	4222938	0.003781537	2.00E-03	4.97E-04	3.84E-04
872	565739.9	4222948	0.003392961	1.80E-03	4.46E-04	3.45E-04
873	565731.5	4222951	0.003279376	1.74E-03	4.31E-04	3.33E-04
874	565714.8	4222958	0.003092068	1.64E-03	4.06E-04	3.14E-04
875	565706.5	4222961	0.003005891	1.59E-03	3.95E-04	3.05E-04
876	565689.8	4222968	0.002848384	1.51E-03	3.74E-04	2.89E-04
877	565681.4	4222971	0.002777565	1.47E-03	3.65E-04	2.82E-04
878	565556.2	4223021	0.002203832	1.17E-03	2.89E-04	2.24E-04
879	565539.5	4223028	0.002173358	1.15E-03	2.85E-04	2.21E-04
880	566047.7	4222512	0.01429706	7.58E-03	1.88E-03	1.45E-03
881	566047.9	4222503	0.01434028	7.60E-03	1.88E-03	1.46E-03
882	566048.2	4222494	0.01437541	7.62E-03	1.89E-03	1.46E-03
883	566048.4	4222485	0.01440282	7.64E-03	1.89E-03	1.46E-03
884	566064.1	4222521	0.01370232	7.26E-03	1.80E-03	1.39E-03
885	566057	4222537	0.01379084	7.31E-03	1.81E-03	1.40E-03
886	566049.8	4222554	0.01376652	7.30E-03	1.81E-03	1.40E-03
887	566046.2	4222562	0.01368825	7.26E-03	1.80E-03	1.39E-03
888	566039	4222578	0.0134985	7.16E-03	1.77E-03	1.37E-03
889	566035.5	4222586	0.01343241	7.12E-03	1.76E-03	1.37E-03
890	566028.3	4222603	0.01328932	7.05E-03	1.75E-03	1.35E-03

891	566024.7	4222611	0.01323031	7.01E-03	1.74E-03	1.34E-03
892	566017.5	4222627	0.01311328	6.95E-03	1.72E-03	1.33E-03
893	566014	4222635	0.01303571	6.91E-03	1.71E-03	1.32E-03
894	566006.8	4222652	0.01272917	6.75E-03	1.67E-03	1.29E-03
895	565999.6	4222668	0.01241227	6.58E-03	1.63E-03	1.26E-03
896	565996	4222676	0.0122049	6.47E-03	1.60E-03	1.24E-03
897	565988.9	4222693	0.01178421	6.25E-03	1.55E-03	1.20E-03
898	565985.3	4222701	0.01160193	6.15E-03	1.52E-03	1.18E-03
899	565974.5	4222725	0.01094433	5.80E-03	1.44E-03	1.11E-03
900	565967.4	4222742	0.01044973	5.54E-03	1.37E-03	1.06E-03
901	565963.8	4222750	0.01017633	5.40E-03	1.34E-03	1.03E-03
902	565956.6	4222766	0.00961225	5.10E-03	1.26E-03	9.77E-04
903	565949.4	4222783	0.00903911	4.79E-03	1.19E-03	9.19E-04
904	565945.9	4222791	0.008767211	4.65E-03	1.15E-03	8.91E-04
905	565938.7	4222807	0.008235947	4.37E-03	1.08E-03	8.37E-04
906	565913.6	4222864	0.006608753	3.50E-03	8.68E-04	6.72E-04
907	565906.4	4222881	0.006155006	3.26E-03	8.08E-04	6.26E-04
908	565899.3	4222897	0.005705805	3.03E-03	7.49E-04	5.80E-04
909	565887.4	4222909	0.005371668	2.85E-03	7.05E-04	5.46E-04
910	565879.1	4222912	0.005248562	2.78E-03	6.89E-04	5.33E-04
911	565862.5	4222919	0.005000763	2.65E-03	6.57E-04	5.08E-04
912	565854.2	4222922	0.004868647	2.58E-03	6.39E-04	4.95E-04
913	565812.7	4222938	0.004230012	2.24E-03	5.56E-04	4.30E-04
914	565796.2	4222945	0.003973714	2.11E-03	5.22E-04	4.04E-04
915	565779.6	4222952	0.003687614	1.96E-03	4.84E-04	3.75E-04
916	565754.7	4222962	0.003308021	1.75E-03	4.34E-04	3.36E-04
917	565746.4	4222965	0.003196292	1.69E-03	4.20E-04	3.25E-04
918	565729.8	4222971	0.003002798	1.59E-03	3.94E-04	3.05E-04
919	565721.5	4222975	0.002920897	1.55E-03	3.84E-04	2.97E-04
920	565704.9	4222981	0.002762799	1.46E-03	3.63E-04	2.81E-04
921	565688.3	4222988	0.002629122	1.39E-03	3.45E-04	2.67E-04
922	565555.6	4223041	0.002107112	1.12E-03	2.77E-04	2.14E-04
923	566067.7	4222513	0.01362456	7.22E-03	1.79E-03	1.38E-03
924	566067.9	4222504	0.0136453	7.23E-03	1.79E-03	1.39E-03
925	566068.2	4222495	0.0136577	7.24E-03	1.79E-03	1.39E-03
926	566068.4	4222486	0.01366289	7.24E-03	1.79E-03	1.39E-03
927	566084.2	4222521	0.01303953	6.91E-03	1.71E-03	1.33E-03
928	566077	4222538	0.01314755	6.97E-03	1.73E-03	1.34E-03
929	566069.9	4222554	0.01314542	6.97E-03	1.73E-03	1.34E-03
930	566062.8	4222570	0.01298364	6.88E-03	1.71E-03	1.32E-03
931	566055.7	4222586	0.01283108	6.80E-03	1.69E-03	1.30E-03
932	566048.5	4222603	0.0126853	6.73E-03	1.67E-03	1.29E-03
933	566045	4222611	0.01262002	6.69E-03	1.66E-03	1.28E-03
934	566037.8	4222627	0.01249533	6.62E-03	1.64E-03	1.27E-03
935	566030.7	4222643	0.012228	6.48E-03	1.61E-03	1.24E-03
936	566023.6	4222660	0.01185024	6.28E-03	1.56E-03	1.20E-03
937	566016.5	4222676	0.01155276	6.13E-03	1.52E-03	1.17E-03

938	566009.3	4222692	0.01118554	5.93E-03	1.47E-03	1.14E-03
939	566002.2	4222708	0.01090351	5.78E-03	1.43E-03	1.11E-03
940	565988	4222741	0.01020812	5.41E-03	1.34E-03	1.04E-03
941	565980.8	4222757	0.009760074	5.17E-03	1.28E-03	9.92E-04
942	565973.7	4222773	0.009284622	4.92E-03	1.22E-03	9.44E-04
943	565966.6	4222790	0.00875976	4.64E-03	1.15E-03	8.90E-04
944	565959.5	4222806	0.008256954	4.38E-03	1.08E-03	8.39E-04
945	565952.3	4222822	0.007788737	4.13E-03	1.02E-03	7.92E-04
946	565941.6	4222847	0.007096282	3.76E-03	9.32E-04	7.21E-04
947	565934.5	4222863	0.006695253	3.55E-03	8.79E-04	6.80E-04
948	565927.4	4222879	0.00629234	3.34E-03	8.26E-04	6.39E-04
949	565920.3	4222895	0.005863312	3.11E-03	7.70E-04	5.96E-04
950	565913.1	4222912	0.00541828	2.87E-03	7.12E-04	5.51E-04
951	565901.3	4222923	0.005075159	2.69E-03	6.67E-04	5.16E-04
952	565884.9	4222930	0.004829646	2.56E-03	6.34E-04	4.91E-04
953	565868.4	4222936	0.004581794	2.43E-03	6.02E-04	4.66E-04
954	565851.9	4222943	0.004336281	2.30E-03	5.69E-04	4.41E-04
955	565835.4	4222949	0.004111236	2.18E-03	5.40E-04	4.18E-04
956	565769.4	4222976	0.003224991	1.71E-03	4.24E-04	3.28E-04
957	565752.9	4222982	0.003026978	1.60E-03	3.98E-04	3.08E-04
958	565736.5	4222989	0.002860864	1.52E-03	3.76E-04	2.91E-04
959	565720	4222995	0.002702685	1.43E-03	3.55E-04	2.75E-04
960	565703.5	4223002	0.002558653	1.36E-03	3.36E-04	2.60E-04
961	565687	4223009	0.002454859	1.30E-03	3.22E-04	2.49E-04
962	566082.4	4222571	0.01231262	6.53E-03	1.62E-03	1.25E-03
963	566075.2	4222588	0.01224288	6.49E-03	1.61E-03	1.24E-03
964	566068	4222604	0.01214748	6.44E-03	1.60E-03	1.23E-03
965	566060.8	4222621	0.0120336	6.38E-03	1.58E-03	1.22E-03
966	566053.5	4222637	0.01189449	6.31E-03	1.56E-03	1.21E-03
967	566046.3	4222654	0.0114902	6.09E-03	1.51E-03	1.17E-03
968	566039.1	4222670	0.01105695	5.86E-03	1.45E-03	1.12E-03
969	566031.9	4222687	0.01078981	5.72E-03	1.42E-03	1.10E-03
970	566024.6	4222703	0.01056033	5.60E-03	1.39E-03	1.07E-03
971	566017.4	4222720	0.01033771	5.48E-03	1.36E-03	1.05E-03
972	566013.8	4222728	0.01020174	5.41E-03	1.34E-03	1.04E-03
973	565999.3	4222761	0.009418836	4.99E-03	1.24E-03	9.57E-04
974	565992.1	4222777	0.008980771	4.76E-03	1.18E-03	9.13E-04
975	565984.9	4222794	0.008532672	4.52E-03	1.12E-03	8.67E-04
976	565977.7	4222810	0.008057031	4.27E-03	1.06E-03	8.19E-04
977	565970.4	4222827	0.007634081	4.05E-03	1.00E-03	7.76E-04
978	565956	4222860	0.006803969	3.61E-03	8.94E-04	6.91E-04
979	565948.8	4222876	0.006401353	3.39E-03	8.41E-04	6.51E-04
980	565941.5	4222893	0.006020872	3.19E-03	7.91E-04	6.12E-04
981	565934.3	4222909	0.005607606	2.97E-03	7.36E-04	5.70E-04
982	565927.1	4222926	0.00513409	2.72E-03	6.74E-04	5.22E-04
983	565915.1	4222937	0.004797505	2.54E-03	6.30E-04	4.88E-04
984	565898.4	4222944	0.004560384	2.42E-03	5.99E-04	4.63E-04

985	565890.1	4222947	0.004447633	2.36E-03	5.84E-04	4.52E-04
986	565873.3	4222954	0.004219469	2.24E-03	5.54E-04	4.29E-04
987	565865	4222957	0.00410349	2.18E-03	5.39E-04	4.17E-04
988	565848.3	4222964	0.003874868	2.05E-03	5.09E-04	3.94E-04
989	565839.9	4222967	0.003763409	2.00E-03	4.94E-04	3.82E-04
990	565823.2	4222974	0.003557488	1.89E-03	4.67E-04	3.62E-04
991	565814.8	4222977	0.00347322	1.84E-03	4.56E-04	3.53E-04
992	565806.5	4222981	0.003390379	1.80E-03	4.45E-04	3.45E-04
993	565781.4	4222991	0.003110142	1.65E-03	4.08E-04	3.16E-04
994	565764.7	4222997	0.002913662	1.54E-03	3.83E-04	2.96E-04
995	565756.3	4223001	0.002837679	1.50E-03	3.73E-04	2.88E-04
996	565739.6	4223007	0.002698058	1.43E-03	3.54E-04	2.74E-04
997	565731.2	4223011	0.002630359	1.39E-03	3.45E-04	2.67E-04
998	565714.5	4223017	0.002491142	1.32E-03	3.27E-04	2.53E-04
999	565706.2	4223021	0.002427828	1.29E-03	3.19E-04	2.47E-04
1000	565689.4	4223027	0.00233108	1.24E-03	3.06E-04	2.37E-04
1001	565681.1	4223031	0.002289633	1.21E-03	3.01E-04	2.33E-04
1002	565555.7	4223081	0.001926581	1.02E-03	2.53E-04	1.96E-04
1003	565539	4223087	0.0018843	9.99E-04	2.47E-04	1.91E-04
1004	565530.6	4223091	0.00186176	9.87E-04	2.45E-04	1.89E-04
1005	565552.5	4222461	0.1263107	6.70E-02	1.66E-02	1.28E-02
1006	565552.2	4222451	0.1352195	7.17E-02	1.78E-02	1.37E-02
1007	565562.3	4222461	0.1175901	6.23E-02	1.54E-02	1.20E-02
1008	565562.1	4222451	0.1253826	6.65E-02	1.65E-02	1.27E-02
1009	565572.1	4222461	0.1098554	5.82E-02	1.44E-02	1.12E-02
1010	565571.9	4222451	0.1166298	6.18E-02	1.53E-02	1.19E-02
1011	565582	4222460	0.1028988	5.46E-02	1.35E-02	1.05E-02
1012	565581.7	4222451	0.1087621	5.77E-02	1.43E-02	1.11E-02
1013	565611.5	4222460	0.08551118	4.53E-02	1.12E-02	8.69E-03
1014	565611.2	4222450	0.08929603	4.73E-02	1.17E-02	9.07E-03
1015	565621.3	4222459	0.08062241	4.27E-02	1.06E-02	8.19E-03
1016	565621.1	4222450	0.08389729	4.45E-02	1.10E-02	8.53E-03
1017	565631.2	4222459	0.07604019	4.03E-02	9.99E-03	7.73E-03
1018	565630.9	4222449	0.07885912	4.18E-02	1.04E-02	8.01E-03
1019	565640.8	4222449	0.07430003	3.94E-02	9.76E-03	7.55E-03
1020	565650.6	4222449	0.07006854	3.72E-02	9.20E-03	7.12E-03
1021	565660.7	4222458	0.06432502	3.41E-02	8.45E-03	6.54E-03
1022	565670.5	4222458	0.0609376	3.23E-02	8.00E-03	6.19E-03
1023	565670.3	4222448	0.06251722	3.31E-02	8.21E-03	6.35E-03
1024	565680.6	4222468	0.05624957	2.98E-02	7.39E-03	5.72E-03
1025	565680.3	4222458	0.05778682	3.06E-02	7.59E-03	5.87E-03
1026	565680.1	4222448	0.05915301	3.14E-02	7.77E-03	6.01E-03
1027	565690.4	4222467	0.05350035	2.84E-02	7.03E-03	5.44E-03
1028	565690.2	4222458	0.05484534	2.91E-02	7.20E-03	5.57E-03
1029	565689.9	4222448	0.05602602	2.97E-02	7.36E-03	5.69E-03
1030	565700.2	4222467	0.0509258	2.70E-02	6.69E-03	5.18E-03
1031	565700	4222457	0.05210325	2.76E-02	6.84E-03	5.30E-03

1032	565699.8	4222448	0.05312377	2.82E-02	6.98E-03	5.40E-03
1033	565710.1	4222467	0.04853622	2.57E-02	6.37E-03	4.93E-03
1034	565709.8	4222457	0.04956606	2.63E-02	6.51E-03	5.04E-03
1035	565709.6	4222447	0.05044854	2.67E-02	6.63E-03	5.13E-03
1036	565719.9	4222467	0.04630686	2.46E-02	6.08E-03	4.71E-03
1037	565719.7	4222457	0.04720901	2.50E-02	6.20E-03	4.80E-03
1038	565719.4	4222447	0.04797319	2.54E-02	6.30E-03	4.88E-03
1039	565729.8	4222467	0.04421565	2.34E-02	5.81E-03	4.49E-03
1040	565729.5	4222457	0.04500625	2.39E-02	5.91E-03	4.57E-03
1041	565729.3	4222447	0.04566858	2.42E-02	6.00E-03	4.64E-03
1042	565739.6	4222466	0.04224912	2.24E-02	5.55E-03	4.29E-03
1043	565739.4	4222457	0.04294265	2.28E-02	5.64E-03	4.36E-03
1044	565739.1	4222447	0.04351649	2.31E-02	5.72E-03	4.42E-03
1045	565749.2	4222456	0.04101174	2.17E-02	5.39E-03	4.17E-03
1046	565748.9	4222447	0.04150949	2.20E-02	5.45E-03	4.22E-03
1047	565758.8	4222446	0.03963138	2.10E-02	5.20E-03	4.03E-03
1048	565769.1	4222466	0.03701689	1.96E-02	4.86E-03	3.76E-03
1049	565778.9	4222465	0.03545287	1.88E-02	4.66E-03	3.60E-03
1050	565778.7	4222456	0.03586652	1.90E-02	4.71E-03	3.64E-03
1051	565788.8	4222465	0.03491798	1.85E-02	4.59E-03	3.55E-03
1052	565788.5	4222455	0.03434422	1.82E-02	4.51E-03	3.49E-03
1053	565798.6	4222465	0.03351072	1.78E-02	4.40E-03	3.41E-03
1054	565798.4	4222455	0.0338313	1.79E-02	4.44E-03	3.44E-03
1055	565798.1	4222445	0.03408211	1.81E-02	4.48E-03	3.46E-03
1056	565808.4	4222465	0.0321459	1.70E-02	4.22E-03	3.27E-03
1057	565808.2	4222455	0.03245015	1.72E-02	4.26E-03	3.30E-03
1058	565808	4222445	0.03267434	1.73E-02	4.29E-03	3.32E-03
1059	565828.4	4222464	0.02953577	1.57E-02	3.88E-03	3.00E-03
1060	565828.2	4222454	0.02981719	1.58E-02	3.92E-03	3.03E-03
1061	565828	4222445	0.03001353	1.59E-02	3.94E-03	3.05E-03
1062	565848.4	4222464	0.02717984	1.44E-02	3.57E-03	2.76E-03
1063	565848.2	4222454	0.02740058	1.45E-02	3.60E-03	2.78E-03
1064	565848	4222444	0.02756938	1.46E-02	3.62E-03	2.80E-03
1065	565868.4	4222472	0.02505597	1.33E-02	3.29E-03	2.55E-03
1066	565868.4	4222463	0.02521786	1.34E-02	3.31E-03	2.56E-03
1067	565868.2	4222453	0.02538639	1.35E-02	3.33E-03	2.58E-03
1068	565867.9	4222444	0.02551862	1.35E-02	3.35E-03	2.59E-03
1069	565888.4	4222472	0.02337474	1.24E-02	3.07E-03	2.38E-03
1070	565888.4	4222463	0.02351231	1.25E-02	3.09E-03	2.39E-03
1071	565888.2	4222453	0.02364306	1.25E-02	3.11E-03	2.40E-03
1072	565887.9	4222443	0.0237401	1.26E-02	3.12E-03	2.41E-03
1073	565908.4	4222469	0.02189878	1.16E-02	2.88E-03	2.23E-03
1074	565908.2	4222452	0.02206258	1.17E-02	2.90E-03	2.24E-03
1075	565907.9	4222443	0.02210831	1.17E-02	2.90E-03	2.25E-03
1076	565928.4	4222468	0.02047544	1.09E-02	2.69E-03	2.08E-03
1077	565928.2	4222452	0.02058953	1.09E-02	2.70E-03	2.09E-03
1078	565927.9	4222442	0.0206348	1.09E-02	2.71E-03	2.10E-03

1079	565948.4	4222468	0.01918429	1.02E-02	2.52E-03	1.95E-03
1080	565948.2	4222451	0.01925702	1.02E-02	2.53E-03	1.96E-03
1081	565947.9	4222442	0.01931587	1.02E-02	2.54E-03	1.96E-03
1082	565968.4	4222468	0.01805339	9.57E-03	2.37E-03	1.83E-03
1083	565968.2	4222451	0.01811119	9.60E-03	2.38E-03	1.84E-03
1084	565967.9	4222441	0.01815727	9.63E-03	2.38E-03	1.85E-03
1085	565988.4	4222468	0.0170215	9.02E-03	2.24E-03	1.73E-03
1086	565988.1	4222450	0.01706793	9.05E-03	2.24E-03	1.73E-03
1087	565987.9	4222441	0.01710488	9.07E-03	2.25E-03	1.74E-03
1088	566008.4	4222468	0.01608934	8.53E-03	2.11E-03	1.64E-03
1089	566008.1	4222450	0.01612646	8.55E-03	2.12E-03	1.64E-03
1090	566007.9	4222440	0.01615053	8.56E-03	2.12E-03	1.64E-03
1091	566028.4	4222468	0.01526173	8.09E-03	2.00E-03	1.55E-03
1092	566028.1	4222449	0.01529772	8.11E-03	2.01E-03	1.55E-03
1093	566027.9	4222440	0.01529657	8.11E-03	2.01E-03	1.55E-03
1094	566048.4	4222467	0.01444824	7.66E-03	1.90E-03	1.47E-03
1095	566048.4	4222459	0.01446035	7.67E-03	1.90E-03	1.47E-03
1096	566048.1	4222449	0.01446511	7.67E-03	1.90E-03	1.47E-03
1097	566047.9	4222439	0.01445846	7.67E-03	1.90E-03	1.47E-03
1098	566068.4	4222467	0.01367696	7.25E-03	1.80E-03	1.39E-03
1099	566068.4	4222476	0.01367351	7.25E-03	1.80E-03	1.39E-03
1100	566068.4	4222458	0.0136737	7.25E-03	1.80E-03	1.39E-03
1101	566068.1	4222448	0.01367241	7.25E-03	1.80E-03	1.39E-03
1102	566067.9	4222439	0.01366396	7.24E-03	1.79E-03	1.39E-03
1103	565551.8	4222441	0.1454766	7.71E-02	1.91E-02	1.48E-02
1104	565561.6	4222440	0.1343502	7.12E-02	1.76E-02	1.37E-02
1105	565561.2	4222431	0.1423702	7.55E-02	1.87E-02	1.45E-02
1106	565560.7	4222421	0.150275	7.97E-02	1.97E-02	1.53E-02
1107	565571.4	4222440	0.124425	6.60E-02	1.63E-02	1.26E-02
1108	565571	4222430	0.131136	6.95E-02	1.72E-02	1.33E-02
1109	565570.6	4222421	0.1375896	7.29E-02	1.81E-02	1.40E-02
1110	565581.3	4222439	0.1155398	6.13E-02	1.52E-02	1.17E-02
1111	565580.8	4222430	0.1211642	6.42E-02	1.59E-02	1.23E-02
1112	565580.4	4222420	0.1264826	6.71E-02	1.66E-02	1.29E-02
1113	565591.1	4222439	0.1075452	5.70E-02	1.41E-02	1.09E-02
1114	565590.6	4222429	0.1122659	5.95E-02	1.47E-02	1.14E-02
1115	565590.2	4222420	0.1166745	6.19E-02	1.53E-02	1.19E-02
1116	565610.7	4222438	0.09375078	4.97E-02	1.23E-02	9.53E-03
1117	565610.3	4222429	0.09711109	5.15E-02	1.28E-02	9.87E-03
1118	565609.9	4222419	0.1001732	5.31E-02	1.32E-02	1.02E-02
1119	565620.6	4222438	0.08777405	4.65E-02	1.15E-02	8.92E-03
1120	565620.1	4222428	0.09061662	4.80E-02	1.19E-02	9.21E-03
1121	565619.7	4222419	0.09318388	4.94E-02	1.22E-02	9.47E-03
1122	565630.4	4222437	0.08221843	4.36E-02	1.08E-02	8.36E-03
1123	565630	4222428	0.08460931	4.49E-02	1.11E-02	8.60E-03
1124	565629.5	4222418	0.08674049	4.60E-02	1.14E-02	8.82E-03
1125	565640.2	4222437	0.07722746	4.09E-02	1.01E-02	7.85E-03

1126	565639.8	4222427	0.0792577	4.20E-02	1.04E-02	8.05E-03
1127	565639.4	4222418	0.08103646	4.30E-02	1.06E-02	8.24E-03
1128	565650.1	4222436	0.07262138	3.85E-02	9.54E-03	7.38E-03
1129	565649.6	4222427	0.07434043	3.94E-02	9.76E-03	7.55E-03
1130	565649.2	4222417	0.07583714	4.02E-02	9.96E-03	7.71E-03
1131	565659.9	4222436	0.06836673	3.62E-02	8.98E-03	6.95E-03
1132	565659.4	4222426	0.06982004	3.70E-02	9.17E-03	7.10E-03
1133	565659	4222417	0.07108749	3.77E-02	9.34E-03	7.22E-03
1134	565669.7	4222435	0.06445031	3.42E-02	8.46E-03	6.55E-03
1135	565669.3	4222426	0.06567771	3.48E-02	8.63E-03	6.67E-03
1136	565668.8	4222416	0.06675374	3.54E-02	8.77E-03	6.78E-03
1137	565679.1	4222425	0.06187056	3.28E-02	8.13E-03	6.29E-03
1138	565678.7	4222416	0.06278075	3.33E-02	8.24E-03	6.38E-03
1139	565689.4	4222435	0.05748738	3.05E-02	7.55E-03	5.84E-03
1140	565688.5	4222415	0.0591355	3.14E-02	7.77E-03	6.01E-03
1141	565699.2	4222434	0.05439221	2.88E-02	7.14E-03	5.53E-03
1142	565698.8	4222425	0.05513771	2.92E-02	7.24E-03	5.60E-03
1143	565709	4222434	0.05155074	2.73E-02	6.77E-03	5.24E-03
1144	565708.6	4222424	0.05218126	2.77E-02	6.85E-03	5.30E-03
1145	565708.2	4222415	0.0527204	2.80E-02	6.92E-03	5.36E-03
1146	565718.9	4222433	0.04893429	2.59E-02	6.43E-03	4.97E-03
1147	565718.4	4222424	0.04947324	2.62E-02	6.50E-03	5.03E-03
1148	565718	4222414	0.0499221	2.65E-02	6.56E-03	5.07E-03
1149	565728.7	4222433	0.0465049	2.47E-02	6.11E-03	4.73E-03
1150	565728.2	4222423	0.04696231	2.49E-02	6.17E-03	4.77E-03
1151	565727.8	4222414	0.04733754	2.51E-02	6.22E-03	4.81E-03
1152	565738.5	4222432	0.04424801	2.35E-02	5.81E-03	4.50E-03
1153	565738.1	4222423	0.04463298	2.37E-02	5.86E-03	4.54E-03
1154	565737.6	4222413	0.04494194	2.38E-02	5.90E-03	4.57E-03
1155	565748.3	4222432	0.04214517	2.23E-02	5.53E-03	4.28E-03
1156	565747.9	4222422	0.04246758	2.25E-02	5.58E-03	4.32E-03
1157	565747.5	4222413	0.04271347	2.26E-02	5.61E-03	4.34E-03
1158	565758.2	4222431	0.04018599	2.13E-02	5.28E-03	4.08E-03
1159	565757.7	4222422	0.04045412	2.14E-02	5.31E-03	4.11E-03
1160	565757.3	4222412	0.04064735	2.16E-02	5.34E-03	4.13E-03
1161	565768	4222431	0.03834588	2.03E-02	5.04E-03	3.90E-03
1162	565767.6	4222421	0.03856933	2.04E-02	5.07E-03	3.92E-03
1163	565767.1	4222412	0.03872421	2.05E-02	5.09E-03	3.94E-03
1164	565777.8	4222431	0.03661193	1.94E-02	4.81E-03	3.72E-03
1165	565777.4	4222421	0.03679862	1.95E-02	4.83E-03	3.74E-03
1166	565777	4222411	0.03692332	1.96E-02	4.85E-03	3.75E-03
1167	565787.2	4222421	0.03514934	1.86E-02	4.62E-03	3.57E-03
1168	565786.8	4222411	0.03524641	1.87E-02	4.63E-03	3.58E-03
1169	565796.6	4222411	0.03458532	1.83E-02	4.54E-03	3.51E-03
1170	565807.3	4222429	0.03295503	1.75E-02	4.33E-03	3.35E-03
1171	565827.3	4222428	0.03026359	1.60E-02	3.97E-03	3.08E-03
1172	565826.9	4222419	0.03033341	1.61E-02	3.98E-03	3.08E-03

1173	565826.4	4222409	0.03035375	1.61E-02	3.99E-03	3.08E-03
1174	565847.3	4222427	0.0277944	1.47E-02	3.65E-03	2.82E-03
1175	565846.8	4222418	0.02786341	1.48E-02	3.66E-03	2.83E-03
1176	565846.4	4222408	0.02789303	1.48E-02	3.66E-03	2.83E-03
1177	565867.2	4222427	0.02569511	1.36E-02	3.37E-03	2.61E-03
1178	565866.8	4222417	0.02573341	1.36E-02	3.38E-03	2.62E-03
1179	565866.4	4222407	0.02574022	1.36E-02	3.38E-03	2.62E-03
1180	565887.2	4222426	0.02386617	1.27E-02	3.13E-03	2.43E-03
1181	565886.8	4222416	0.02387103	1.27E-02	3.13E-03	2.43E-03
1182	565886.4	4222406	0.02385019	1.26E-02	3.13E-03	2.42E-03
1183	565907.2	4222425	0.02216229	1.18E-02	2.91E-03	2.25E-03
1184	565906.8	4222415	0.02218787	1.18E-02	2.91E-03	2.25E-03
1185	565906.3	4222406	0.02218975	1.18E-02	2.91E-03	2.26E-03
1186	565927.2	4222424	0.02069166	1.10E-02	2.72E-03	2.10E-03
1187	565926.8	4222414	0.02071673	1.10E-02	2.72E-03	2.11E-03
1188	565926.3	4222405	0.02072138	1.10E-02	2.72E-03	2.11E-03
1189	565947.6	4222432	0.01935874	1.03E-02	2.54E-03	1.97E-03
1190	565947.2	4222423	0.01939244	1.03E-02	2.55E-03	1.97E-03
1191	565946.7	4222413	0.01940581	1.03E-02	2.55E-03	1.97E-03
1192	565946.3	4222404	0.01940296	1.03E-02	2.55E-03	1.97E-03
1193	565967.6	4222432	0.01819274	9.65E-03	2.39E-03	1.85E-03
1194	565967.1	4222422	0.01820705	9.65E-03	2.39E-03	1.85E-03
1195	565966.7	4222412	0.01819309	9.65E-03	2.39E-03	1.85E-03
1196	565966.3	4222403	0.01816622	9.63E-03	2.39E-03	1.85E-03
1197	565987.6	4222431	0.01713355	9.08E-03	2.25E-03	1.74E-03
1198	565987.1	4222421	0.01713589	9.09E-03	2.25E-03	1.74E-03
1199	565986.7	4222412	0.01711198	9.07E-03	2.25E-03	1.74E-03
1200	565986.3	4222402	0.01707742	9.05E-03	2.24E-03	1.74E-03
1201	566007.5	4222430	0.01616947	8.57E-03	2.12E-03	1.64E-03
1202	566007.1	4222420	0.01616202	8.57E-03	2.12E-03	1.64E-03
1203	566006.7	4222411	0.01613488	8.55E-03	2.12E-03	1.64E-03
1204	566006.2	4222401	0.01609932	8.54E-03	2.11E-03	1.64E-03
1205	566027.5	4222429	0.01529046	8.11E-03	2.01E-03	1.55E-03
1206	566027.1	4222419	0.01526149	8.09E-03	2.00E-03	1.55E-03
1207	566026.7	4222410	0.0152159	8.07E-03	2.00E-03	1.55E-03
1208	566026.2	4222400	0.01516146	8.04E-03	1.99E-03	1.54E-03
1209	566047.5	4222428	0.01444502	7.66E-03	1.90E-03	1.47E-03
1210	566047.1	4222418	0.01441734	7.64E-03	1.89E-03	1.47E-03
1211	566046.6	4222409	0.01437794	7.62E-03	1.89E-03	1.46E-03
1212	566046.2	4222399	0.01432974	7.60E-03	1.88E-03	1.46E-03
1213	566067.5	4222427	0.01364874	7.24E-03	1.79E-03	1.39E-03
1214	566067	4222417	0.01363032	7.23E-03	1.79E-03	1.39E-03
1215	565560.4	4222408	0.1596299	8.46E-02	2.10E-02	1.62E-02
1216	565570.3	4222408	0.1449477	7.69E-02	1.90E-02	1.47E-02
1217	565580.1	4222408	0.1323173	7.02E-02	1.74E-02	1.34E-02
1218	565589.9	4222408	0.1213466	6.43E-02	1.59E-02	1.23E-02
1219	565619.5	4222407	0.09560549	5.07E-02	1.26E-02	9.72E-03

1220	565629.3	4222407	0.08866223	4.70E-02	1.16E-02	9.01E-03
1221	565639.1	4222407	0.08258251	4.38E-02	1.08E-02	8.39E-03
1222	565649	4222406	0.07708098	4.09E-02	1.01E-02	7.83E-03
1223	565658.8	4222406	0.07209445	3.82E-02	9.47E-03	7.33E-03
1224	565668.6	4222406	0.06757446	3.58E-02	8.87E-03	6.87E-03
1225	565678.5	4222406	0.06344278	3.36E-02	8.33E-03	6.45E-03
1226	565688.3	4222405	0.05965945	3.16E-02	7.84E-03	6.06E-03
1227	565698.1	4222405	0.05619609	2.98E-02	7.38E-03	5.71E-03
1228	565717.8	4222405	0.05017288	2.66E-02	6.59E-03	5.10E-03
1229	565727.7	4222405	0.04752854	2.52E-02	6.24E-03	4.83E-03
1230	565737.6	4222400	0.04508621	2.39E-02	5.92E-03	4.58E-03
1231	565747.4	4222400	0.04279658	2.27E-02	5.62E-03	4.35E-03
1232	565757.2	4222400	0.04068024	2.16E-02	5.34E-03	4.13E-03
1233	565767.1	4222400	0.03872042	2.05E-02	5.09E-03	3.94E-03
1234	565776.9	4222400	0.03690196	1.96E-02	4.85E-03	3.75E-03
1235	565786.7	4222400	0.03521089	1.87E-02	4.62E-03	3.58E-03
1236	565796.6	4222400	0.03452136	1.83E-02	4.53E-03	3.51E-03
1237	565806.4	4222400	0.03303255	1.75E-02	4.34E-03	3.36E-03
1238	565560.8	4222399	0.1648777	8.74E-02	2.17E-02	1.68E-02
1239	565570.6	4222400	0.1485697	7.88E-02	1.95E-02	1.51E-02
1240	565581.1	4222394	0.1361999	7.22E-02	1.79E-02	1.38E-02
1241	565590.9	4222394	0.1240973	6.58E-02	1.63E-02	1.26E-02
1242	565620.3	4222397	0.09647194	5.11E-02	1.27E-02	9.80E-03
1243	565630.1	4222398	0.08918212	4.73E-02	1.17E-02	9.06E-03
1244	565925.2	4222433	0.02083158	1.10E-02	2.74E-03	2.12E-03
1245	565561.7	4222389	0.1681414	8.91E-02	2.21E-02	1.71E-02
1246	565571.5	4222389	0.1512349	8.02E-02	1.99E-02	1.54E-02
1247	565581.7	4222381	0.1383204	7.33E-02	1.82E-02	1.41E-02
1248	565591.5	4222381	0.1257644	6.67E-02	1.65E-02	1.28E-02
1249	565621	4222383	0.097184	5.15E-02	1.28E-02	9.88E-03
1250	565630.9	4222383	0.08975283	4.76E-02	1.18E-02	9.12E-03
1251	565640.4	4222392	0.08308983	4.41E-02	1.09E-02	8.44E-03
1252	565650.2	4222392	0.07735788	4.10E-02	1.02E-02	7.86E-03
1253	565659.7	4222397	0.0721867	3.83E-02	9.48E-03	7.34E-03
1254	565660.3	4222384	0.07219668	3.83E-02	9.48E-03	7.34E-03
1255	565669.9	4222393	0.06755768	3.58E-02	8.87E-03	6.87E-03
1256	565679.7	4222393	0.06333584	3.36E-02	8.32E-03	6.44E-03
1257	565689.5	4222394	0.05948881	3.15E-02	7.81E-03	6.05E-03
1258	565699.3	4222394	0.05598563	2.97E-02	7.35E-03	5.69E-03
1259	565709.2	4222394	0.05280865	2.80E-02	6.94E-03	5.37E-03
1260	565728.8	4222395	0.04726802	2.51E-02	6.21E-03	4.80E-03
1261	565739	4222387	0.04464588	2.37E-02	5.86E-03	4.54E-03
1262	565748.8	4222388	0.04237132	2.25E-02	5.56E-03	4.31E-03
1263	565758.7	4222388	0.04027192	2.14E-02	5.29E-03	4.09E-03
1264	565768.5	4222388	0.03833122	2.03E-02	5.03E-03	3.90E-03
1265	565778.3	4222389	0.03653154	1.94E-02	4.80E-03	3.71E-03
1266	565788.2	4222389	0.03486281	1.85E-02	4.58E-03	3.54E-03

1267	565798	4222390	0.03416996	1.81E-02	4.49E-03	3.47E-03
1268	565807.8	4222390	0.03270194	1.73E-02	4.29E-03	3.32E-03
1269	565847.8	4222392	0.02761198	1.46E-02	3.63E-03	2.81E-03
1270	565867.8	4222392	0.02549562	1.35E-02	3.35E-03	2.59E-03
1271	565887.7	4222393	0.02362173	1.25E-02	3.10E-03	2.40E-03
1272	565907.7	4222394	0.02200957	1.17E-02	2.89E-03	2.24E-03
1273	565927.7	4222395	0.02057409	1.09E-02	2.70E-03	2.09E-03
1274	565562.1	4222378	0.1711922	9.08E-02	2.25E-02	1.74E-02
1275	565562	4222368	0.1733682	9.19E-02	2.28E-02	1.76E-02
1276	565562	4222358	0.1742846	9.24E-02	2.29E-02	1.77E-02
1277	565562	4222348	0.1739309	9.22E-02	2.28E-02	1.77E-02
1278	565561.9	4222338	0.1723081	9.14E-02	2.26E-02	1.75E-02
1279	565561.9	4222328	0.1694261	8.98E-02	2.23E-02	1.72E-02
1280	565561.8	4222318	0.1653082	8.76E-02	2.17E-02	1.68E-02
1281	565571.9	4222378	0.1536117	8.14E-02	2.02E-02	1.56E-02
1282	565571.9	4222368	0.1551629	8.23E-02	2.04E-02	1.58E-02
1283	565571.8	4222358	0.1556503	8.25E-02	2.04E-02	1.58E-02
1284	565571.8	4222348	0.1550571	8.22E-02	2.04E-02	1.58E-02
1285	565571.8	4222338	0.1533785	8.13E-02	2.01E-02	1.56E-02
1286	565571.7	4222328	0.1506423	7.99E-02	1.98E-02	1.53E-02
1287	565571.7	4222318	0.1468253	7.78E-02	1.93E-02	1.49E-02
1288	565571.6	4222308	0.1419841	7.53E-02	1.86E-02	1.44E-02
1289	565571.6	4222299	0.1361621	7.22E-02	1.79E-02	1.38E-02
1290	565581.7	4222368	0.1398715	7.42E-02	1.84E-02	1.42E-02
1291	565581.7	4222358	0.1400338	7.42E-02	1.84E-02	1.42E-02
1292	565581.6	4222348	0.139274	7.38E-02	1.83E-02	1.42E-02
1293	565581.6	4222338	0.1376027	7.30E-02	1.81E-02	1.40E-02
1294	565581.6	4222328	0.1350044	7.16E-02	1.77E-02	1.37E-02
1295	565581.5	4222318	0.1315132	6.97E-02	1.73E-02	1.34E-02
1296	565581.5	4222308	0.1271785	6.74E-02	1.67E-02	1.29E-02
1297	565581.4	4222298	0.1220562	6.47E-02	1.60E-02	1.24E-02
1298	565591.6	4222368	0.1268463	6.73E-02	1.67E-02	1.29E-02
1299	565591.5	4222358	0.1267673	6.72E-02	1.66E-02	1.29E-02
1300	565591.5	4222348	0.1259125	6.68E-02	1.65E-02	1.28E-02
1301	565591.4	4222338	0.1242561	6.59E-02	1.63E-02	1.26E-02
1302	565591.4	4222328	0.1218563	6.46E-02	1.60E-02	1.24E-02
1303	565591.4	4222318	0.1187179	6.29E-02	1.56E-02	1.21E-02
1304	565591.3	4222308	0.1148946	6.09E-02	1.51E-02	1.17E-02
1305	565591.3	4222298	0.1104036	5.85E-02	1.45E-02	1.12E-02
1306	565601.2	4222328	0.1106606	5.87E-02	1.45E-02	1.12E-02
1307	565601.2	4222318	0.1078638	5.72E-02	1.42E-02	1.10E-02
1308	565601.2	4222308	0.1044845	5.54E-02	1.37E-02	1.06E-02
1309	565601.1	4222298	0.1005422	5.33E-02	1.32E-02	1.02E-02
1310	565621.1	4222368	0.09735364	5.16E-02	1.28E-02	9.89E-03
1311	565621	4222358	0.0968956	5.14E-02	1.27E-02	9.85E-03
1312	565621	4222338	0.09450217	5.01E-02	1.24E-02	9.60E-03
1313	565620.9	4222328	0.09267744	4.91E-02	1.22E-02	9.42E-03

1314	565620.9	4222318	0.09041516	4.79E-02	1.19E-02	9.19E-03
1315	565620.8	4222308	0.08770411	4.65E-02	1.15E-02	8.91E-03
1316	565620.8	4222298	0.08463679	4.49E-02	1.11E-02	8.60E-03
1317	565630.9	4222367	0.08982728	4.76E-02	1.18E-02	9.13E-03
1318	565630.9	4222358	0.08932558	4.74E-02	1.17E-02	9.08E-03
1319	565630.8	4222338	0.08704147	4.61E-02	1.14E-02	8.85E-03
1320	565630.8	4222328	0.08529915	4.52E-02	1.12E-02	8.67E-03
1321	565630.7	4222318	0.08320172	4.41E-02	1.09E-02	8.46E-03
1322	565630.7	4222308	0.08076782	4.28E-02	1.06E-02	8.21E-03
1323	565630.6	4222298	0.07805249	4.14E-02	1.03E-02	7.93E-03
1324	565640.8	4222377	0.08327813	4.42E-02	1.09E-02	8.46E-03
1325	565640.8	4222367	0.08316872	4.41E-02	1.09E-02	8.45E-03
1326	565640.6	4222338	0.08047682	4.27E-02	1.06E-02	8.18E-03
1327	565640.6	4222328	0.07889182	4.18E-02	1.04E-02	8.02E-03
1328	565640.5	4222318	0.07699528	4.08E-02	1.01E-02	7.82E-03
1329	565640.5	4222308	0.07482169	3.97E-02	9.83E-03	7.60E-03
1330	565640.5	4222298	0.07241228	3.84E-02	9.51E-03	7.36E-03
1331	565650.6	4222377	0.07739277	4.10E-02	1.02E-02	7.87E-03
1332	565650.6	4222367	0.07720398	4.09E-02	1.01E-02	7.85E-03
1333	565650.4	4222328	0.0731871	3.88E-02	9.61E-03	7.44E-03
1334	565650.4	4222318	0.07148933	3.79E-02	9.39E-03	7.27E-03
1335	565650.3	4222308	0.06956358	3.69E-02	9.14E-03	7.07E-03
1336	565650.3	4222298	0.06741875	3.57E-02	8.85E-03	6.85E-03
1337	565660.4	4222367	0.07185616	3.81E-02	9.44E-03	7.30E-03
1338	565660.3	4222338	0.06939819	3.68E-02	9.11E-03	7.05E-03
1339	565660.3	4222328	0.06810298	3.61E-02	8.94E-03	6.92E-03
1340	565660.2	4222318	0.06659368	3.53E-02	8.75E-03	6.77E-03
1341	565660.2	4222308	0.06488609	3.44E-02	8.52E-03	6.59E-03
1342	565660.1	4222298	0.06297468	3.34E-02	8.27E-03	6.40E-03
1343	565670.3	4222377	0.06735361	3.57E-02	8.85E-03	6.84E-03
1344	565670.3	4222367	0.067055	3.56E-02	8.81E-03	6.81E-03
1345	565670.2	4222357	0.06651384	3.53E-02	8.74E-03	6.76E-03
1346	565670.2	4222348	0.06573314	3.49E-02	8.63E-03	6.68E-03
1347	565670.1	4222338	0.06472971	3.43E-02	8.50E-03	6.58E-03
1348	565670.1	4222328	0.06356675	3.37E-02	8.35E-03	6.46E-03
1349	565670.1	4222318	0.06222017	3.30E-02	8.17E-03	6.32E-03
1350	565670	4222308	0.06070441	3.22E-02	7.97E-03	6.17E-03
1351	565670	4222298	0.05899561	3.13E-02	7.75E-03	6.00E-03
1352	565680.2	4222377	0.06307285	3.34E-02	8.28E-03	6.41E-03
1353	565680.1	4222367	0.06276735	3.33E-02	8.24E-03	6.38E-03
1354	565680.1	4222357	0.06223762	3.30E-02	8.17E-03	6.32E-03
1355	565680	4222348	0.06150431	3.26E-02	8.08E-03	6.25E-03
1356	565680	4222338	0.06057848	3.21E-02	7.96E-03	6.16E-03
1357	565679.9	4222328	0.05951399	3.16E-02	7.82E-03	6.05E-03
1358	565679.9	4222318	0.05828954	3.09E-02	7.66E-03	5.92E-03
1359	565679.9	4222308	0.056919	3.02E-02	7.48E-03	5.78E-03
1360	565679.8	4222298	0.0553843	2.94E-02	7.27E-03	5.63E-03

1361	565690	4222377	0.05920526	3.14E-02	7.78E-03	6.02E-03
1362	565689.9	4222367	0.058904	3.12E-02	7.74E-03	5.99E-03
1363	565689.9	4222357	0.0583967	3.10E-02	7.67E-03	5.93E-03
1364	565689.9	4222347	0.05770952	3.06E-02	7.58E-03	5.86E-03
1365	565689.8	4222338	0.05685673	3.01E-02	7.47E-03	5.78E-03
1366	565689.8	4222328	0.05586815	2.96E-02	7.34E-03	5.68E-03
1367	565689.7	4222318	0.05474346	2.90E-02	7.19E-03	5.56E-03
1368	565689.7	4222308	0.05348833	2.84E-02	7.02E-03	5.44E-03
1369	565689.7	4222298	0.05210831	2.76E-02	6.84E-03	5.30E-03
1370	565699.8	4222377	0.05569068	2.95E-02	7.31E-03	5.66E-03
1371	565699.8	4222367	0.05540076	2.94E-02	7.28E-03	5.63E-03
1372	565699.7	4222357	0.05491737	2.91E-02	7.21E-03	5.58E-03
1373	565699.7	4222347	0.05427546	2.88E-02	7.13E-03	5.52E-03
1374	565699.7	4222338	0.05348919	2.84E-02	7.02E-03	5.44E-03
1375	565699.6	4222328	0.05257279	2.79E-02	6.90E-03	5.34E-03
1376	565699.6	4222318	0.05153722	2.73E-02	6.77E-03	5.24E-03
1377	565699.5	4222308	0.05038765	2.67E-02	6.62E-03	5.12E-03
1378	565699.5	4222298	0.04913623	2.61E-02	6.45E-03	4.99E-03
1379	565709.7	4222377	0.05248083	2.78E-02	6.89E-03	5.33E-03
1380	565709.6	4222367	0.05219153	2.77E-02	6.85E-03	5.30E-03
1381	565709.6	4222357	0.05173014	2.74E-02	6.79E-03	5.26E-03
1382	565709.5	4222347	0.05113102	2.71E-02	6.72E-03	5.20E-03
1383	565709.5	4222337	0.05040701	2.67E-02	6.62E-03	5.12E-03
1384	565709.5	4222328	0.04956606	2.63E-02	6.51E-03	5.04E-03
1385	565709.4	4222318	0.04861521	2.58E-02	6.38E-03	4.94E-03
1386	565709.4	4222308	0.04756608	2.52E-02	6.25E-03	4.83E-03
1387	565719.5	4222377	0.04954619	2.63E-02	6.51E-03	5.04E-03
1388	565719.5	4222367	0.04924893	2.61E-02	6.47E-03	5.01E-03
1389	565719.4	4222357	0.04881132	2.59E-02	6.41E-03	4.96E-03
1390	565719.4	4222347	0.04825268	2.56E-02	6.34E-03	4.90E-03
1391	565719.3	4222337	0.04758615	2.52E-02	6.25E-03	4.84E-03
1392	565719.3	4222328	0.04681281	2.48E-02	6.15E-03	4.76E-03
1393	565719.3	4222318	0.0459455	2.44E-02	6.03E-03	4.67E-03
1394	565729.3	4222367	0.04655813	2.47E-02	6.11E-03	4.73E-03
1395	565729.3	4222357	0.04614323	2.45E-02	6.06E-03	4.69E-03
1396	565729.2	4222347	0.04562525	2.42E-02	5.99E-03	4.64E-03
1397	565729.2	4222337	0.04500738	2.39E-02	5.91E-03	4.57E-03
1398	565729.1	4222328	0.04429771	2.35E-02	5.82E-03	4.50E-03
1399	565729	4222298	0.04169909	2.21E-02	5.48E-03	4.24E-03
1400	565739.1	4222357	0.04370071	2.32E-02	5.74E-03	4.44E-03
1401	565739.1	4222347	0.04321633	2.29E-02	5.68E-03	4.39E-03
1402	565739	4222337	0.04264482	2.26E-02	5.60E-03	4.33E-03
1403	565738.9	4222308	0.04047351	2.15E-02	5.32E-03	4.11E-03
1404	565738.9	4222298	0.03961745	2.10E-02	5.20E-03	4.03E-03
1405	565749	4222377	0.04210765	2.23E-02	5.53E-03	4.28E-03
1406	565748.9	4222347	0.04100424	2.17E-02	5.39E-03	4.17E-03
1407	565748.8	4222318	0.03920991	2.08E-02	5.15E-03	3.98E-03

1408	565748.7	4222308	0.03848279	2.04E-02	5.05E-03	3.91E-03
1409	565748.7	4222298	0.03769971	2.00E-02	4.95E-03	3.83E-03
1410	565758.9	4222377	0.04000823	2.12E-02	5.25E-03	4.07E-03
1411	565758.8	4222367	0.03973641	2.11E-02	5.22E-03	4.04E-03
1412	565758.7	4222327	0.03792613	2.01E-02	4.98E-03	3.85E-03
1413	565758.6	4222318	0.03731291	1.98E-02	4.90E-03	3.79E-03
1414	565758.6	4222308	0.03664553	1.94E-02	4.81E-03	3.72E-03
1415	565758.5	4222298	0.03592927	1.90E-02	4.72E-03	3.65E-03
1416	565768.7	4222377	0.03806696	2.02E-02	5.00E-03	3.87E-03
1417	565768.7	4222367	0.0378077	2.00E-02	4.97E-03	3.84E-03
1418	565768.5	4222327	0.036129	1.92E-02	4.74E-03	3.67E-03
1419	565768.5	4222317	0.03556829	1.89E-02	4.67E-03	3.61E-03
1420	565768.4	4222308	0.0349601	1.85E-02	4.59E-03	3.55E-03
1421	565768.4	4222298	0.03430073	1.82E-02	4.50E-03	3.49E-03
1422	565778.5	4222377	0.03626975	1.92E-02	4.76E-03	3.69E-03
1423	565778.5	4222367	0.03602389	1.91E-02	4.73E-03	3.66E-03
1424	565778.5	4222357	0.03571587	1.89E-02	4.69E-03	3.63E-03
1425	565778.4	4222337	0.03492893	1.85E-02	4.59E-03	3.55E-03
1426	565778.3	4222327	0.03446924	1.83E-02	4.53E-03	3.50E-03
1427	565778.3	4222317	0.03396221	1.80E-02	4.46E-03	3.45E-03
1428	565778.2	4222308	0.03340827	1.77E-02	4.39E-03	3.40E-03
1429	565778.2	4222298	0.03280108	1.74E-02	4.31E-03	3.33E-03
1430	565788.4	4222377	0.0346035	1.83E-02	4.54E-03	3.52E-03
1431	565788.3	4222367	0.03436864	1.82E-02	4.51E-03	3.49E-03
1432	565788.3	4222357	0.03407929	1.81E-02	4.48E-03	3.46E-03
1433	565788.3	4222347	0.03373732	1.79E-02	4.43E-03	3.43E-03
1434	565788.2	4222337	0.03334614	1.77E-02	4.38E-03	3.39E-03
1435	565788.2	4222327	0.0329298	1.75E-02	4.32E-03	3.35E-03
1436	565788.1	4222317	0.03246858	1.72E-02	4.26E-03	3.30E-03
1437	565788.1	4222308	0.03196416	1.69E-02	4.20E-03	3.25E-03
1438	565788	4222298	0.03140444	1.67E-02	4.12E-03	3.19E-03
1439	565798.2	4222377	0.03387794	1.80E-02	4.45E-03	3.44E-03
1440	565798.2	4222367	0.03362565	1.78E-02	4.42E-03	3.42E-03
1441	565798.1	4222357	0.03332349	1.77E-02	4.38E-03	3.39E-03
1442	565798.1	4222347	0.0329733	1.75E-02	4.33E-03	3.35E-03
1443	565798	4222337	0.03188866	1.69E-02	4.19E-03	3.24E-03
1444	565798	4222327	0.0315017	1.67E-02	4.14E-03	3.20E-03
1445	565798	4222317	0.03107525	1.65E-02	4.08E-03	3.16E-03
1446	565797.9	4222307	0.03060927	1.62E-02	4.02E-03	3.11E-03
1447	565797.9	4222298	0.03009215	1.60E-02	3.95E-03	3.06E-03
1448	565808.1	4222377	0.03241204	1.72E-02	4.26E-03	3.29E-03
1449	565808	4222367	0.03217178	1.71E-02	4.23E-03	3.27E-03
1450	565808	4222357	0.03189434	1.69E-02	4.19E-03	3.24E-03
1451	565807.9	4222347	0.03156988	1.67E-02	4.15E-03	3.21E-03
1452	565807.9	4222337	0.03120228	1.65E-02	4.10E-03	3.17E-03
1453	565807.8	4222327	0.03017577	1.60E-02	3.96E-03	3.07E-03
1454	565807.8	4222317	0.02977235	1.58E-02	3.91E-03	3.03E-03

1455	565807.8	4222307	0.02933423	1.56E-02	3.85E-03	2.98E-03
1456	565807.7	4222298	0.02885405	1.53E-02	3.79E-03	2.93E-03
1457	565828.1	4222377	0.02971608	1.58E-02	3.90E-03	3.02E-03
1458	565828	4222367	0.02950363	1.56E-02	3.87E-03	3.00E-03
1459	565828	4222357	0.02926955	1.55E-02	3.84E-03	2.97E-03
1460	565827.9	4222347	0.02899458	1.54E-02	3.81E-03	2.95E-03
1461	565827.9	4222337	0.02867922	1.52E-02	3.77E-03	2.91E-03
1462	565827.8	4222327	0.0283223	1.50E-02	3.72E-03	2.88E-03
1463	565827.8	4222317	0.02793324	1.48E-02	3.67E-03	2.84E-03
1464	565848	4222357	0.0269819	1.43E-02	3.54E-03	2.74E-03
1465	565847.9	4222347	0.02672961	1.42E-02	3.51E-03	2.72E-03
1466	565847.9	4222337	0.02644843	1.40E-02	3.47E-03	2.69E-03
1467	565847.8	4222307	0.0254333	1.35E-02	3.34E-03	2.58E-03
1468	565847.7	4222297	0.02504556	1.33E-02	3.29E-03	2.55E-03
1469	565868.1	4222376	0.0252908	1.34E-02	3.32E-03	2.57E-03
1470	565868	4222366	0.02514481	1.33E-02	3.30E-03	2.56E-03
1471	565867.8	4222327	0.02420299	1.28E-02	3.18E-03	2.46E-03
1472	565867.8	4222317	0.0239173	1.27E-02	3.14E-03	2.43E-03
1473	565867.8	4222307	0.02360887	1.25E-02	3.10E-03	2.40E-03
1474	565867.7	4222297	0.02327132	1.23E-02	3.06E-03	2.36E-03
1475	565888.1	4222376	0.0234295	1.24E-02	3.08E-03	2.38E-03
1476	565888	4222366	0.02330045	1.24E-02	3.06E-03	2.37E-03
1477	565888	4222357	0.02312581	1.23E-02	3.04E-03	2.35E-03
1478	565887.8	4222327	0.02249209	1.19E-02	2.95E-03	2.29E-03
1479	565887.8	4222317	0.02225169	1.18E-02	2.92E-03	2.26E-03
1480	565887.8	4222307	0.02198905	1.17E-02	2.89E-03	2.23E-03
1481	565887.7	4222297	0.02169356	1.15E-02	2.85E-03	2.20E-03
1482	565907.9	4222385	0.02190567	1.16E-02	2.88E-03	2.23E-03
1483	565908.1	4222376	0.0217856	1.16E-02	2.86E-03	2.21E-03
1484	565908	4222366	0.02164958	1.15E-02	2.84E-03	2.20E-03
1485	565908	4222356	0.02151757	1.14E-02	2.83E-03	2.19E-03
1486	565907.9	4222347	0.02136249	1.13E-02	2.81E-03	2.17E-03
1487	565907.9	4222337	0.02118782	1.12E-02	2.78E-03	2.15E-03
1488	565907.8	4222327	0.02097859	1.11E-02	2.76E-03	2.13E-03
1489	565907.7	4222297	0.02024867	1.07E-02	2.66E-03	2.06E-03
1490	565927.9	4222385	0.0204685	1.09E-02	2.69E-03	2.08E-03
1491	565928.1	4222376	0.02034771	1.08E-02	2.67E-03	2.07E-03
1492	565928	4222366	0.02021871	1.07E-02	2.66E-03	2.05E-03
1493	565928	4222356	0.02009173	1.07E-02	2.64E-03	2.04E-03
1494	565927.9	4222346	0.01994797	1.06E-02	2.62E-03	2.03E-03
1495	565927.9	4222337	0.01978702	1.05E-02	2.60E-03	2.01E-03
1496	565927.8	4222327	0.01959694	1.04E-02	2.57E-03	1.99E-03
1497	565927.8	4222317	0.01939188	1.03E-02	2.55E-03	1.97E-03
1498	565927.8	4222307	0.01917264	1.02E-02	2.52E-03	1.95E-03
1499	565947.9	4222386	0.01916971	1.02E-02	2.52E-03	1.95E-03
1500	565948.1	4222376	0.01905384	1.01E-02	2.50E-03	1.94E-03
1501	565948	4222366	0.01893872	1.00E-02	2.49E-03	1.92E-03

1502	565948	4222356	0.01880801	9.97E-03	2.47E-03	1.91E-03
1503	565947.9	4222346	0.01866376	9.90E-03	2.45E-03	1.90E-03
1504	565947.9	4222336	0.01850609	9.81E-03	2.43E-03	1.88E-03
1505	565947.8	4222327	0.0183357	9.72E-03	2.41E-03	1.86E-03
1506	565947.8	4222317	0.01815264	9.62E-03	2.38E-03	1.84E-03
1507	565947.8	4222307	0.01795761	9.52E-03	2.36E-03	1.82E-03
1508	565947.7	4222297	0.01775153	9.41E-03	2.33E-03	1.80E-03
1509	565967.9	4222383	0.01791111	9.50E-03	2.35E-03	1.82E-03
1510	565968	4222366	0.0177309	9.40E-03	2.33E-03	1.80E-03
1511	565968	4222356	0.01761282	9.34E-03	2.31E-03	1.79E-03
1512	565967.9	4222346	0.01748281	9.27E-03	2.30E-03	1.78E-03
1513	565967.9	4222336	0.01734138	9.19E-03	2.28E-03	1.76E-03
1514	565967.8	4222327	0.01718853	9.11E-03	2.26E-03	1.75E-03
1515	565967.8	4222317	0.01702586	9.03E-03	2.24E-03	1.73E-03
1516	565967.8	4222307	0.01685135	8.93E-03	2.21E-03	1.71E-03
1517	565967.7	4222297	0.01666663	8.84E-03	2.19E-03	1.69E-03
1518	565987.9	4222383	0.0168499	8.93E-03	2.21E-03	1.71E-03
1519	565988	4222366	0.01668317	8.85E-03	2.19E-03	1.70E-03
1520	565988	4222356	0.01657615	8.79E-03	2.18E-03	1.68E-03
1521	565987.9	4222346	0.01645861	8.73E-03	2.16E-03	1.67E-03
1522	565987.9	4222336	0.01633104	8.66E-03	2.14E-03	1.66E-03
1523	565987.8	4222326	0.01619341	8.59E-03	2.13E-03	1.65E-03
1524	565987.8	4222317	0.01604618	8.51E-03	2.11E-03	1.63E-03
1525	565987.8	4222307	0.01588937	8.42E-03	2.09E-03	1.61E-03
1526	565987.7	4222297	0.01572352	8.34E-03	2.06E-03	1.60E-03
1527	566007.9	4222383	0.01589077	8.43E-03	2.09E-03	1.61E-03
1528	566008	4222366	0.01573576	8.34E-03	2.07E-03	1.60E-03
1529	566008	4222356	0.01563831	8.29E-03	2.05E-03	1.59E-03
1530	566007.9	4222346	0.01553183	8.23E-03	2.04E-03	1.58E-03
1531	566007.9	4222336	0.01541623	8.17E-03	2.02E-03	1.57E-03
1532	566007.8	4222326	0.01529197	8.11E-03	2.01E-03	1.55E-03
1533	566007.8	4222316	0.01515891	8.04E-03	1.99E-03	1.54E-03
1534	566007.8	4222307	0.01501757	7.96E-03	1.97E-03	1.53E-03
1535	566007.7	4222297	0.01486883	7.88E-03	1.95E-03	1.51E-03
1536	566027.9	4222383	0.01496617	7.94E-03	1.97E-03	1.52E-03
1537	566028	4222366	0.01482205	7.86E-03	1.95E-03	1.51E-03
1538	566028	4222356	0.01473335	7.81E-03	1.93E-03	1.50E-03
1539	566027.9	4222346	0.01463644	7.76E-03	1.92E-03	1.49E-03
1540	566027.9	4222336	0.01453168	7.70E-03	1.91E-03	1.48E-03
1541	566027.8	4222326	0.01441898	7.64E-03	1.89E-03	1.47E-03
1542	566047.9	4222384	0.01414544	7.50E-03	1.86E-03	1.44E-03
1543	566048	4222366	0.01398339	7.41E-03	1.84E-03	1.42E-03
1544	566047.8	4222326	0.01366267	7.24E-03	1.79E-03	1.39E-03
1545	566047.8	4222316	0.01355339	7.19E-03	1.78E-03	1.38E-03
1546	566047.8	4222306	0.01343731	7.12E-03	1.76E-03	1.37E-03
1547	566047.7	4222297	0.01330072	7.05E-03	1.75E-03	1.35E-03
1548	566068	4222366	0.01321186	7.00E-03	1.74E-03	1.34E-03

1549	566068	4222356	0.01317213	6.98E-03	1.73E-03	1.34E-03
1550	566067.9	4222346	0.01312375	6.96E-03	1.72E-03	1.33E-03
1551	566067.9	4222336	0.01306562	6.93E-03	1.72E-03	1.33E-03
1552	566067.8	4222326	0.01296772	6.88E-03	1.70E-03	1.32E-03
1553	566067.8	4222316	0.01286443	6.82E-03	1.69E-03	1.31E-03
1554	566067.8	4222306	0.01275526	6.76E-03	1.68E-03	1.30E-03
1555	566067.7	4222296	0.01261325	6.69E-03	1.66E-03	1.28E-03
1556	566087.9	4222384	0.01262613	6.69E-03	1.66E-03	1.28E-03
1557	566088	4222366	0.01249724	6.63E-03	1.64E-03	1.27E-03
1558	566088	4222356	0.01246472	6.61E-03	1.64E-03	1.27E-03
1559	566087.9	4222346	0.01242427	6.59E-03	1.63E-03	1.26E-03
1560	566087.9	4222336	0.01237413	6.56E-03	1.63E-03	1.26E-03
1561	566087.8	4222326	0.01226397	6.50E-03	1.61E-03	1.25E-03
1562	566087.8	4222316	0.01214732	6.44E-03	1.60E-03	1.23E-03
1563	566087.8	4222306	0.01202313	6.37E-03	1.58E-03	1.22E-03
1564	566087.7	4222296	0.01188765	6.30E-03	1.56E-03	1.21E-03
1565	566107.9	4222384	0.0119762	6.35E-03	1.57E-03	1.22E-03
1566	566108	4222365	0.01183569	6.28E-03	1.55E-03	1.20E-03
1567	566108	4222356	0.01179196	6.25E-03	1.55E-03	1.20E-03
1568	566107.9	4222346	0.01174351	6.23E-03	1.54E-03	1.19E-03
1569	566107.9	4222336	0.01168633	6.20E-03	1.53E-03	1.19E-03
1570	566107.8	4222326	0.0115728	6.14E-03	1.52E-03	1.18E-03
1571	566107.8	4222316	0.01145284	6.07E-03	1.50E-03	1.16E-03
1572	565571.6	4222289	0.1298556	6.88E-02	1.71E-02	1.32E-02
1573	565571.6	4222280	0.1227749	6.51E-02	1.61E-02	1.25E-02
1574	565571.5	4222270	0.115174	6.11E-02	1.51E-02	1.17E-02
1575	565571.5	4222261	0.1072256	5.69E-02	1.41E-02	1.09E-02
1576	565571.5	4222252	0.09917638	5.26E-02	1.30E-02	1.01E-02
1577	565571.5	4222242	0.0912388	4.84E-02	1.20E-02	9.27E-03
1578	565571.4	4222233	0.08359234	4.43E-02	1.10E-02	8.50E-03
1579	565581.4	4222289	0.1165981	6.18E-02	1.53E-02	1.18E-02
1580	565581.4	4222280	0.110555	5.86E-02	1.45E-02	1.12E-02
1581	565581.4	4222270	0.1041227	5.52E-02	1.37E-02	1.06E-02
1582	565581.3	4222261	0.09745364	5.17E-02	1.28E-02	9.90E-03
1583	565581.3	4222252	0.0907156	4.81E-02	1.19E-02	9.22E-03
1584	565581.3	4222242	0.08407446	4.46E-02	1.10E-02	8.54E-03
1585	565581.3	4222233	0.0776297	4.12E-02	1.02E-02	7.89E-03
1586	565591.3	4222289	0.1056807	5.60E-02	1.39E-02	1.07E-02
1587	565591.2	4222280	0.1004895	5.33E-02	1.32E-02	1.02E-02
1588	565591.2	4222270	0.0949972	5.04E-02	1.25E-02	9.65E-03
1589	565591.2	4222261	0.08933827	4.74E-02	1.17E-02	9.08E-03
1590	565591.2	4222252	0.08362629	4.43E-02	1.10E-02	8.50E-03
1591	565591.1	4222242	0.07796287	4.13E-02	1.02E-02	7.92E-03
1592	565591.1	4222233	0.07245486	3.84E-02	9.52E-03	7.36E-03
1593	565601.1	4222289	0.09644653	5.11E-02	1.27E-02	9.80E-03
1594	565601.1	4222280	0.09195787	4.88E-02	1.21E-02	9.35E-03
1595	565601	4222270	0.08723593	4.63E-02	1.15E-02	8.87E-03

1596	565601	4222261	0.08237707	4.37E-02	1.08E-02	8.37E-03
1597	565601	4222251	0.07748211	4.11E-02	1.02E-02	7.87E-03
1598	565601	4222242	0.07261048	3.85E-02	9.54E-03	7.38E-03
1599	565601	4222233	0.06784447	3.60E-02	8.91E-03	6.89E-03
1600	565620.8	4222289	0.08150567	4.32E-02	1.07E-02	8.28E-03
1601	565620.7	4222280	0.07809857	4.14E-02	1.03E-02	7.94E-03
1602	565630.6	4222289	0.07530139	3.99E-02	9.89E-03	7.65E-03
1603	565630.6	4222280	0.07232057	3.83E-02	9.50E-03	7.35E-03
1604	565630.6	4222270	0.06921747	3.67E-02	9.09E-03	7.03E-03
1605	565630.5	4222261	0.06602922	3.50E-02	8.67E-03	6.71E-03
1606	565630.5	4222233	0.05638784	2.99E-02	7.41E-03	5.73E-03
1607	565640.4	4222289	0.0699868	3.71E-02	9.19E-03	7.11E-03
1608	565640.4	4222280	0.06735665	3.57E-02	8.85E-03	6.85E-03
1609	565640.4	4222270	0.06462438	3.43E-02	8.49E-03	6.57E-03
1610	565640.4	4222261	0.06181933	3.28E-02	8.12E-03	6.28E-03
1611	565640.3	4222233	0.05329322	2.83E-02	7.00E-03	5.42E-03
1612	565650.3	4222289	0.06527171	3.46E-02	8.57E-03	6.63E-03
1613	565650.3	4222280	0.06294958	3.34E-02	8.27E-03	6.40E-03
1614	565650.2	4222270	0.06052759	3.21E-02	7.95E-03	6.15E-03
1615	565650.2	4222261	0.05804145	3.08E-02	7.62E-03	5.90E-03
1616	565650.1	4222233	0.05046318	2.68E-02	6.63E-03	5.13E-03
1617	565660.1	4222289	0.06106689	3.24E-02	8.02E-03	6.21E-03
1618	565660.1	4222280	0.05899972	3.13E-02	7.75E-03	6.00E-03
1619	565660.1	4222270	0.0568489	3.01E-02	7.47E-03	5.78E-03
1620	565660.1	4222261	0.05463738	2.90E-02	7.18E-03	5.55E-03
1621	565660	4222242	0.05013146	2.66E-02	6.58E-03	5.09E-03
1622	565660	4222233	0.04787077	2.54E-02	6.29E-03	4.86E-03
1623	565670	4222289	0.05729776	3.04E-02	7.52E-03	5.82E-03
1624	565669.9	4222280	0.05544853	2.94E-02	7.28E-03	5.64E-03
1625	565669.9	4222270	0.05352627	2.84E-02	7.03E-03	5.44E-03
1626	565669.8	4222242	0.04751522	2.52E-02	6.24E-03	4.83E-03
1627	565669.8	4222232	0.04548358	2.41E-02	5.97E-03	4.62E-03
1628	565679.8	4222289	0.05386426	2.86E-02	7.07E-03	5.47E-03
1629	565679.8	4222280	0.05221014	2.77E-02	6.86E-03	5.31E-03
1630	565679.8	4222270	0.050489	2.68E-02	6.63E-03	5.13E-03
1631	565679.7	4222251	0.04691669	2.49E-02	6.16E-03	4.77E-03
1632	565679.7	4222242	0.04509452	2.39E-02	5.92E-03	4.58E-03
1633	565679.7	4222232	0.04326396	2.29E-02	5.68E-03	4.40E-03
1634	565689.6	4222289	0.05074215	2.69E-02	6.66E-03	5.16E-03
1635	565689.6	4222280	0.04925501	2.61E-02	6.47E-03	5.01E-03
1636	565689.6	4222261	0.04612187	2.45E-02	6.06E-03	4.69E-03
1637	565689.5	4222251	0.04449777	2.36E-02	5.84E-03	4.52E-03
1638	565689.5	4222242	0.04285309	2.27E-02	5.63E-03	4.36E-03
1639	565689.5	4222232	0.04120284	2.18E-02	5.41E-03	4.19E-03
1640	565699.4	4222270	0.04517371	2.40E-02	5.93E-03	4.59E-03
1641	565699.4	4222261	0.04374054	2.32E-02	5.74E-03	4.45E-03
1642	565699.4	4222251	0.04227527	2.24E-02	5.55E-03	4.30E-03

1643	565699.4	4222242	0.04078745	2.16E-02	5.36E-03	4.15E-03
1644	565699.3	4222232	0.03929006	2.08E-02	5.16E-03	3.99E-03
1645	565709.3	4222279	0.0441101	2.34E-02	5.79E-03	4.48E-03
1646	565709.3	4222270	0.04285368	2.27E-02	5.63E-03	4.36E-03
1647	565709.2	4222261	0.04155446	2.20E-02	5.46E-03	4.22E-03
1648	565709.2	4222251	0.04022639	2.13E-02	5.28E-03	4.09E-03
1649	565709.2	4222242	0.03887763	2.06E-02	5.11E-03	3.95E-03
1650	565709.2	4222232	0.03751628	1.99E-02	4.93E-03	3.81E-03
1651	565719.2	4222289	0.04295699	2.28E-02	5.64E-03	4.37E-03
1652	565719.1	4222279	0.04185845	2.22E-02	5.50E-03	4.25E-03
1653	565719.1	4222270	0.0407186	2.16E-02	5.35E-03	4.14E-03
1654	565719.1	4222261	0.03954049	2.10E-02	5.19E-03	4.02E-03
1655	565719.1	4222251	0.03833275	2.03E-02	5.03E-03	3.90E-03
1656	565719	4222242	0.03710575	1.97E-02	4.87E-03	3.77E-03
1657	565719	4222232	0.03586313	1.90E-02	4.71E-03	3.64E-03
1658	565729	4222289	0.04078624	2.16E-02	5.36E-03	4.14E-03
1659	565729	4222279	0.03979034	2.11E-02	5.23E-03	4.04E-03
1660	565728.9	4222270	0.03875059	2.05E-02	5.09E-03	3.94E-03
1661	565728.9	4222261	0.03767704	2.00E-02	4.95E-03	3.83E-03
1662	565728.9	4222251	0.03657764	1.94E-02	4.80E-03	3.72E-03
1663	565728.9	4222242	0.03545812	1.88E-02	4.66E-03	3.60E-03
1664	565728.9	4222232	0.03432254	1.82E-02	4.51E-03	3.49E-03
1665	565738.8	4222289	0.03878776	2.06E-02	5.09E-03	3.94E-03
1666	565738.8	4222279	0.03787876	2.01E-02	4.97E-03	3.85E-03
1667	565738.8	4222270	0.03693147	1.96E-02	4.85E-03	3.75E-03
1668	565738.8	4222261	0.03595164	1.91E-02	4.72E-03	3.65E-03
1669	565738.7	4222251	0.0349477	1.85E-02	4.59E-03	3.55E-03
1670	565738.7	4222242	0.03392213	1.80E-02	4.45E-03	3.45E-03
1671	565738.7	4222232	0.03288303	1.74E-02	4.32E-03	3.34E-03
1672	565748.7	4222289	0.03694472	1.96E-02	4.85E-03	3.75E-03
1673	565748.6	4222279	0.036112	1.91E-02	4.74E-03	3.67E-03
1674	565748.6	4222270	0.03524486	1.87E-02	4.63E-03	3.58E-03
1675	565748.6	4222261	0.03434831	1.82E-02	4.51E-03	3.49E-03
1676	565748.6	4222251	0.03342987	1.77E-02	4.39E-03	3.40E-03
1677	565748.6	4222242	0.03248959	1.72E-02	4.27E-03	3.30E-03
1678	565748.5	4222232	0.03153459	1.67E-02	4.14E-03	3.20E-03
1679	565758.5	4222279	0.03447338	1.83E-02	4.53E-03	3.50E-03
1680	565758.5	4222270	0.03367939	1.79E-02	4.42E-03	3.42E-03
1681	565758.4	4222261	0.03285853	1.74E-02	4.32E-03	3.34E-03
1682	565758.4	4222251	0.03201387	1.70E-02	4.20E-03	3.25E-03
1683	565758.4	4222242	0.03115072	1.65E-02	4.09E-03	3.17E-03
1684	565768.3	4222289	0.03366537	1.78E-02	4.42E-03	3.42E-03
1685	565768.3	4222279	0.0329641	1.75E-02	4.33E-03	3.35E-03
1686	565768.3	4222270	0.0322334	1.71E-02	4.23E-03	3.28E-03
1687	565768.3	4222261	0.03147921	1.67E-02	4.13E-03	3.20E-03
1688	565768.3	4222251	0.03070107	1.63E-02	4.03E-03	3.12E-03
1689	565778.2	4222289	0.0322161	1.71E-02	4.23E-03	3.27E-03

1690	565778.2	4222279	0.0315705	1.67E-02	4.15E-03	3.21E-03
1691	565778.1	4222270	0.03089822	1.64E-02	4.06E-03	3.14E-03
1692	565778.1	4222260	0.0302006	1.60E-02	3.97E-03	3.07E-03
1693	565778	4222232	0.02799957	1.48E-02	3.68E-03	2.85E-03
1694	565788	4222289	0.0308654	1.64E-02	4.05E-03	3.14E-03
1695	565788	4222279	0.03026854	1.60E-02	3.98E-03	3.08E-03
1696	565787.9	4222242	0.02766	1.47E-02	3.63E-03	2.81E-03
1697	565787.9	4222232	0.0269666	1.43E-02	3.54E-03	2.74E-03
1698	565797.9	4222289	0.02959473	1.57E-02	3.89E-03	3.01E-03
1699	565797.8	4222251	0.02725757	1.45E-02	3.58E-03	2.77E-03
1700	565797.7	4222242	0.02662802	1.41E-02	3.50E-03	2.71E-03
1701	565797.7	4222232	0.02598471	1.38E-02	3.41E-03	2.64E-03
1702	565807.6	4222260	0.02679893	1.42E-02	3.52E-03	2.72E-03
1703	565807.6	4222251	0.02623046	1.39E-02	3.44E-03	2.67E-03
1704	565807.6	4222242	0.02564616	1.36E-02	3.37E-03	2.61E-03
1705	565807.6	4222232	0.02504844	1.33E-02	3.29E-03	2.55E-03
1706	565827.7	4222289	0.02664739	1.41E-02	3.50E-03	2.71E-03
1707	565827.7	4222279	0.02617845	1.39E-02	3.44E-03	2.66E-03
1708	565827.7	4222270	0.02568828	1.36E-02	3.37E-03	2.61E-03
1709	565827.6	4222260	0.02518012	1.34E-02	3.31E-03	2.56E-03
1710	565827.6	4222251	0.02465736	1.31E-02	3.24E-03	2.51E-03
1711	565827.6	4222242	0.02411878	1.28E-02	3.17E-03	2.45E-03
1712	565827.6	4222232	0.02356775	1.25E-02	3.10E-03	2.40E-03
1713	565847.7	4222289	0.02468014	1.31E-02	3.24E-03	2.51E-03
1714	565847.7	4222279	0.02427212	1.29E-02	3.19E-03	2.47E-03
1715	565847.7	4222270	0.02384588	1.26E-02	3.13E-03	2.42E-03
1716	565847.6	4222260	0.02340365	1.24E-02	3.07E-03	2.38E-03
1717	565847.6	4222251	0.02294824	1.22E-02	3.01E-03	2.33E-03
1718	565847.6	4222241	0.02247838	1.19E-02	2.95E-03	2.28E-03
1719	565847.6	4222232	0.02199695	1.17E-02	2.89E-03	2.24E-03
1720	565867.7	4222289	0.02295353	1.22E-02	3.01E-03	2.33E-03
1721	565867.7	4222279	0.02259753	1.20E-02	2.97E-03	2.30E-03
1722	565867.7	4222270	0.02222539	1.18E-02	2.92E-03	2.26E-03
1723	565867.6	4222260	0.02183953	1.16E-02	2.87E-03	2.22E-03
1724	565867.6	4222251	0.02144095	1.14E-02	2.82E-03	2.18E-03
1725	565887.7	4222279	0.02110364	1.12E-02	2.77E-03	2.14E-03
1726	565887.7	4222270	0.02077706	1.10E-02	2.73E-03	2.11E-03
1727	565887.6	4222241	0.01972642	1.05E-02	2.59E-03	2.00E-03
1728	565887.6	4222232	0.0193553	1.03E-02	2.54E-03	1.97E-03
1729	565907.6	4222260	0.01914144	1.01E-02	2.51E-03	1.95E-03
1730	565907.6	4222251	0.01883197	9.98E-03	2.47E-03	1.91E-03
1731	565907.6	4222241	0.01851211	9.82E-03	2.43E-03	1.88E-03
1732	565907.6	4222232	0.0181836	9.64E-03	2.39E-03	1.85E-03
1733	565927.7	4222279	0.01848041	9.80E-03	2.43E-03	1.88E-03
1734	565927.7	4222270	0.01822529	9.66E-03	2.39E-03	1.85E-03
1735	565927.6	4222260	0.01795982	9.52E-03	2.36E-03	1.83E-03
1736	565927.6	4222251	0.01768623	9.38E-03	2.32E-03	1.80E-03

1737	565927.6	4222241	0.01740271	9.23E-03	2.29E-03	1.77E-03
1738	565927.6	4222232	0.01711069	9.07E-03	2.25E-03	1.74E-03
1739	565947.6	4222260	0.01688035	8.95E-03	2.22E-03	1.72E-03
1740	565947.6	4222251	0.01663621	8.82E-03	2.18E-03	1.69E-03
1741	565947.6	4222241	0.01638384	8.69E-03	2.15E-03	1.67E-03
1742	565947.6	4222232	0.01612375	8.55E-03	2.12E-03	1.64E-03
1743	565967.7	4222279	0.01630315	8.64E-03	2.14E-03	1.66E-03
1744	565987.7	4222288	0.0155718	8.26E-03	2.05E-03	1.58E-03
1745	565987.7	4222279	0.01539791	8.16E-03	2.02E-03	1.56E-03
1746	565987.7	4222269	0.01520539	8.06E-03	2.00E-03	1.55E-03
1747	565987.6	4222260	0.0150025	7.95E-03	1.97E-03	1.52E-03
1748	566007.6	4222260	0.01419821	7.53E-03	1.86E-03	1.44E-03
1749	566007.6	4222251	0.01399401	7.42E-03	1.84E-03	1.42E-03
1750	566007.6	4222241	0.01379767	7.32E-03	1.81E-03	1.40E-03
1751	566027.7	4222279	0.01377338	7.30E-03	1.81E-03	1.40E-03
1752	566027.7	4222269	0.01362104	7.22E-03	1.79E-03	1.38E-03
1753	566027.6	4222260	0.01346216	7.14E-03	1.77E-03	1.37E-03
1754	566027.6	4222250	0.0132979	7.05E-03	1.75E-03	1.35E-03
1755	566027.6	4222241	0.01311718	6.95E-03	1.72E-03	1.33E-03
1756	566027.6	4222232	0.01292307	6.85E-03	1.70E-03	1.31E-03
1757	566047.7	4222279	0.01303523	6.91E-03	1.71E-03	1.32E-03
1758	566047.7	4222269	0.01288789	6.83E-03	1.69E-03	1.31E-03
1759	566047.6	4222260	0.01273409	6.75E-03	1.67E-03	1.29E-03
1760	566047.6	4222250	0.0125765	6.67E-03	1.65E-03	1.28E-03
1761	566047.6	4222241	0.01240289	6.58E-03	1.63E-03	1.26E-03
1762	566047.6	4222232	0.01221526	6.48E-03	1.60E-03	1.24E-03
1763	566067.7	4222279	0.01233836	6.54E-03	1.62E-03	1.25E-03
1764	566067.7	4222269	0.01218435	6.46E-03	1.60E-03	1.24E-03
1765	566067.6	4222260	0.01202437	6.38E-03	1.58E-03	1.22E-03
1766	566067.6	4222250	0.01185796	6.29E-03	1.56E-03	1.21E-03
1767	566087.7	4222279	0.01162439	6.16E-03	1.53E-03	1.18E-03
1768	566087.6	4222241	0.01100663	5.84E-03	1.45E-03	1.12E-03
1769	566087.6	4222231	0.01083963	5.75E-03	1.42E-03	1.10E-03
1770	566107.7	4222269	0.01086496	5.76E-03	1.43E-03	1.10E-03
1771	566107.6	4222260	0.01072219	5.68E-03	1.41E-03	1.09E-03
1772	566107.6	4222250	0.01057561	5.61E-03	1.39E-03	1.07E-03
1773	566107.6	4222241	0.0104248	5.53E-03	1.37E-03	1.06E-03
1774	566107.6	4222231	0.01026893	5.44E-03	1.35E-03	1.04E-03
1775	565574.7	4222217	0.07027785	3.73E-02	9.23E-03	7.14E-03
1776	565576.2	4222197	0.05781907	3.07E-02	7.59E-03	5.88E-03
1777	565579.9	4222206	0.06163323	3.27E-02	8.09E-03	6.26E-03
1778	565583.7	4222215	0.06535906	3.47E-02	8.58E-03	6.64E-03
1779	565587.4	4222224	0.06900805	3.66E-02	9.06E-03	7.01E-03
1780	565575.6	4222172	0.04591525	2.43E-02	6.03E-03	4.67E-03
1781	565579.2	4222181	0.04907649	2.60E-02	6.45E-03	4.99E-03
1782	565582.8	4222189	0.05232061	2.77E-02	6.87E-03	5.32E-03
1783	565586.5	4222198	0.05559364	2.95E-02	7.30E-03	5.65E-03

1784	565590.1	4222207	0.05882906	3.12E-02	7.73E-03	5.98E-03
1785	565593.7	4222215	0.06196987	3.29E-02	8.14E-03	6.30E-03
1786	565597.3	4222224	0.06500605	3.45E-02	8.54E-03	6.61E-03
1787	565582.5	4222165	0.0421804	2.24E-02	5.54E-03	4.29E-03
1788	565586	4222173	0.04491041	2.38E-02	5.90E-03	4.56E-03
1789	565589.5	4222182	0.04769408	2.53E-02	6.26E-03	4.85E-03
1790	565593.1	4222190	0.05050882	2.68E-02	6.63E-03	5.13E-03
1791	565596.6	4222199	0.05331732	2.83E-02	7.00E-03	5.42E-03
1792	565600.2	4222207	0.05608194	2.97E-02	7.37E-03	5.70E-03
1793	565603.7	4222216	0.05875146	3.11E-02	7.72E-03	5.97E-03
1794	565607.2	4222224	0.06129132	3.25E-02	8.05E-03	6.23E-03
1795	565577.5	4222146	0.03634482	1.93E-02	4.77E-03	3.69E-03
1796	565589.3	4222158	0.03895393	2.07E-02	5.12E-03	3.96E-03
1797	565592.8	4222166	0.04132891	2.19E-02	5.43E-03	4.20E-03
1798	565599.8	4222183	0.0461935	2.45E-02	6.07E-03	4.69E-03
1799	565603.2	4222191	0.04864792	2.58E-02	6.39E-03	4.94E-03
1800	565610.2	4222208	0.05344787	2.83E-02	7.02E-03	5.43E-03
1801	565583.7	4222139	0.03380422	1.79E-02	4.44E-03	3.44E-03
1802	565596.6	4222151	0.03635604	1.93E-02	4.77E-03	3.69E-03
1803	565600.3	4222160	0.03863655	2.05E-02	5.07E-03	3.93E-03
1804	565604.1	4222169	0.04097376	2.17E-02	5.38E-03	4.16E-03
1805	565607.9	4222178	0.04334653	2.30E-02	5.69E-03	4.41E-03
1806	565611.6	4222187	0.0457189	2.42E-02	6.00E-03	4.65E-03
1807	565626.7	4222224	0.05449447	2.89E-02	7.16E-03	5.54E-03
1808	565582	4222128	0.03117542	1.65E-02	4.09E-03	3.17E-03
1809	565590.9	4222132	0.03158148	1.67E-02	4.15E-03	3.21E-03
1810	565603.4	4222144	0.03382845	1.79E-02	4.44E-03	3.44E-03
1811	565607.1	4222153	0.03582308	1.90E-02	4.70E-03	3.64E-03
1812	565610.8	4222162	0.03786871	2.01E-02	4.97E-03	3.85E-03
1813	565614.5	4222171	0.03994876	2.12E-02	5.25E-03	4.06E-03
1814	565629.2	4222206	0.04805055	2.55E-02	6.31E-03	4.88E-03
1815	565632.9	4222215	0.04992056	2.65E-02	6.56E-03	5.07E-03
1816	565636.6	4222224	0.05167441	2.74E-02	6.79E-03	5.25E-03
1817	565580.6	4222118	0.02880854	1.53E-02	3.78E-03	2.93E-03
1818	565589.3	4222121	0.02922888	1.55E-02	3.84E-03	2.97E-03
1819	565598	4222125	0.0295869	1.57E-02	3.89E-03	3.01E-03
1820	565610.3	4222137	0.03157413	1.67E-02	4.15E-03	3.21E-03
1821	565613.9	4222146	0.03334275	1.77E-02	4.38E-03	3.39E-03
1822	565632	4222189	0.04246572	2.25E-02	5.58E-03	4.32E-03
1823	565635.7	4222198	0.04423875	2.35E-02	5.81E-03	4.50E-03
1824	565639.3	4222206	0.04594117	2.44E-02	6.03E-03	4.67E-03
1825	565642.9	4222215	0.04755707	2.52E-02	6.25E-03	4.83E-03
1826	565646.5	4222224	0.04907101	2.60E-02	6.44E-03	4.99E-03
1827	565587.9	4222111	0.02709976	1.44E-02	3.56E-03	2.75E-03
1828	565596.5	4222114	0.02747247	1.46E-02	3.61E-03	2.79E-03
1829	565605	4222118	0.02778208	1.47E-02	3.65E-03	2.82E-03
1830	565617.2	4222130	0.02955304	1.57E-02	3.88E-03	3.00E-03

1831	565635	4222173	0.03765993	2.00E-02	4.95E-03	3.83E-03
1832	565638.6	4222181	0.03929568	2.08E-02	5.16E-03	3.99E-03
1833	565642.2	4222190	0.04089829	2.17E-02	5.37E-03	4.16E-03
1834	565645.7	4222198	0.04245141	2.25E-02	5.58E-03	4.31E-03
1835	565649.3	4222207	0.04393584	2.33E-02	5.77E-03	4.47E-03
1836	565652.9	4222215	0.0453466	2.40E-02	5.96E-03	4.61E-03
1837	565656.4	4222224	0.04666432	2.47E-02	6.13E-03	4.74E-03
1838	565593.2	4222103	0.02546724	1.35E-02	3.34E-03	2.59E-03
1839	565602.4	4222107	0.02582709	1.37E-02	3.39E-03	2.62E-03
1840	565611.5	4222111	0.02613097	1.39E-02	3.43E-03	2.66E-03
1841	565639.5	4222160	0.03410801	1.81E-02	4.48E-03	3.47E-03
1842	565643.3	4222169	0.0357081	1.89E-02	4.69E-03	3.63E-03
1843	565647.1	4222178	0.0372823	1.98E-02	4.90E-03	3.79E-03
1844	565650.9	4222187	0.03881958	2.06E-02	5.10E-03	3.95E-03
1845	565654.7	4222196	0.04030952	2.14E-02	5.29E-03	4.10E-03
1846	565658.5	4222205	0.04174118	2.21E-02	5.48E-03	4.24E-03
1847	565662.2	4222214	0.0430968	2.28E-02	5.66E-03	4.38E-03
1848	565666	4222223	0.04434714	2.35E-02	5.82E-03	4.51E-03
1849	565582.7	4222089	0.02329849	1.24E-02	3.06E-03	2.37E-03
1850	565591.7	4222093	0.0237021	1.26E-02	3.11E-03	2.41E-03
1851	565600.6	4222096	0.02406496	1.28E-02	3.16E-03	2.45E-03
1852	565609.6	4222100	0.02438215	1.29E-02	3.20E-03	2.48E-03
1853	565618.5	4222104	0.0246608	1.31E-02	3.24E-03	2.51E-03
1854	565646.1	4222152	0.03181539	1.69E-02	4.18E-03	3.23E-03
1855	565649.9	4222161	0.03324608	1.76E-02	4.37E-03	3.38E-03
1856	565653.6	4222170	0.03466819	1.84E-02	4.55E-03	3.52E-03
1857	565657.3	4222179	0.03606423	1.91E-02	4.74E-03	3.67E-03
1858	565661	4222188	0.037423	1.98E-02	4.91E-03	3.80E-03
1859	565664.8	4222197	0.03874349	2.05E-02	5.09E-03	3.94E-03
1860	565668.5	4222206	0.04000702	2.12E-02	5.25E-03	4.07E-03
1861	565672.2	4222215	0.04120101	2.18E-02	5.41E-03	4.19E-03
1862	565675.9	4222224	0.04228576	2.24E-02	5.55E-03	4.30E-03
1863	565590.3	4222082	0.02210242	1.17E-02	2.90E-03	2.25E-03
1864	565599.2	4222086	0.02246119	1.19E-02	2.95E-03	2.28E-03
1865	565608	4222090	0.02278433	1.21E-02	2.99E-03	2.32E-03
1866	565616.8	4222093	0.0230689	1.22E-02	3.03E-03	2.34E-03
1867	565645.5	4222127	0.0271996	1.44E-02	3.57E-03	2.76E-03
1868	565649.1	4222136	0.02847346	1.51E-02	3.74E-03	2.89E-03
1869	565656.5	4222153	0.03105866	1.65E-02	4.08E-03	3.16E-03
1870	565660.1	4222162	0.03234757	1.72E-02	4.25E-03	3.29E-03
1871	565663.8	4222171	0.03361917	1.78E-02	4.42E-03	3.42E-03
1872	565667.5	4222180	0.03486171	1.85E-02	4.58E-03	3.54E-03
1873	565671.1	4222188	0.03606789	1.91E-02	4.74E-03	3.67E-03
1874	565674.8	4222197	0.03724462	1.97E-02	4.89E-03	3.79E-03
1875	565678.5	4222206	0.0383596	2.03E-02	5.04E-03	3.90E-03
1876	565682.2	4222215	0.03940004	2.09E-02	5.17E-03	4.00E-03
1877	565685.8	4222224	0.04034551	2.14E-02	5.30E-03	4.10E-03

1878	565589.2	4222072	0.020654	1.10E-02	2.71E-03	2.10E-03
1879	565597.9	4222076	0.02099998	1.11E-02	2.76E-03	2.13E-03
1880	565606.6	4222079	0.02132139	1.13E-02	2.80E-03	2.17E-03
1881	565615.3	4222083	0.02161424	1.15E-02	2.84E-03	2.20E-03
1882	565645	4222102	0.02337078	1.24E-02	3.07E-03	2.38E-03
1883	565648.6	4222111	0.0244732	1.30E-02	3.21E-03	2.49E-03
1884	565652.2	4222119	0.02560404	1.36E-02	3.36E-03	2.60E-03
1885	565655.9	4222128	0.02675565	1.42E-02	3.51E-03	2.72E-03
1886	565659.5	4222137	0.02792466	1.48E-02	3.67E-03	2.84E-03
1887	565670.4	4222163	0.0314351	1.67E-02	4.13E-03	3.19E-03
1888	565674	4222172	0.03257706	1.73E-02	4.28E-03	3.31E-03
1889	565677.6	4222180	0.03369356	1.79E-02	4.42E-03	3.42E-03
1890	565681.2	4222189	0.0347768	1.84E-02	4.57E-03	3.53E-03
1891	565684.8	4222198	0.03581877	1.90E-02	4.70E-03	3.64E-03
1892	565688.5	4222206	0.03679636	1.95E-02	4.83E-03	3.74E-03
1893	565692.1	4222215	0.03770821	2.00E-02	4.95E-03	3.83E-03
1894	565695.7	4222224	0.03853937	2.04E-02	5.06E-03	3.92E-03
1895	565593.5	4222064	0.01954707	1.04E-02	2.57E-03	1.99E-03
1896	565602.6	4222068	0.01988535	1.05E-02	2.61E-03	2.02E-03
1897	565611.8	4222071	0.02020039	1.07E-02	2.65E-03	2.05E-03
1898	565652.1	4222096	0.02219193	1.18E-02	2.91E-03	2.26E-03
1899	565655.9	4222105	0.02325835	1.23E-02	3.05E-03	2.36E-03
1900	565659.7	4222114	0.02435359	1.29E-02	3.20E-03	2.47E-03
1901	565663.5	4222123	0.02547141	1.35E-02	3.35E-03	2.59E-03
1902	565667.3	4222132	0.02660306	1.41E-02	3.49E-03	2.70E-03
1903	565671.1	4222141	0.02774184	1.47E-02	3.64E-03	2.82E-03
1904	565682.6	4222169	0.03112098	1.65E-02	4.09E-03	3.16E-03
1905	565686.4	4222178	0.03219975	1.71E-02	4.23E-03	3.27E-03
1906	565690.2	4222187	0.0332371	1.76E-02	4.37E-03	3.38E-03
1907	565694	4222196	0.03423273	1.82E-02	4.50E-03	3.48E-03
1908	565697.8	4222205	0.03516446	1.86E-02	4.62E-03	3.57E-03
1909	565701.6	4222214	0.03602464	1.91E-02	4.73E-03	3.66E-03
1910	565705.4	4222223	0.03680865	1.95E-02	4.83E-03	3.74E-03
1911	565592.2	4222054	0.0183286	9.72E-03	2.41E-03	1.86E-03
1912	565601.2	4222057	0.01865131	9.89E-03	2.45E-03	1.90E-03
1913	565610.2	4222061	0.01895615	1.01E-02	2.49E-03	1.93E-03
1914	565659	4222088	0.02104503	1.12E-02	2.76E-03	2.14E-03
1915	565662.8	4222097	0.02201584	1.17E-02	2.89E-03	2.24E-03
1916	565666.5	4222106	0.0230112	1.22E-02	3.02E-03	2.34E-03
1917	565670.3	4222115	0.0240266	1.27E-02	3.16E-03	2.44E-03
1918	565674	4222124	0.0250582	1.33E-02	3.29E-03	2.55E-03
1919	565677.8	4222133	0.02609738	1.38E-02	3.43E-03	2.65E-03
1920	565681.5	4222142	0.02714027	1.44E-02	3.56E-03	2.76E-03
1921	565685.3	4222151	0.02818136	1.49E-02	3.70E-03	2.86E-03
1922	565696.5	4222178	0.03117095	1.65E-02	4.09E-03	3.17E-03
1923	565700.3	4222187	0.03209681	1.70E-02	4.22E-03	3.26E-03
1924	565704	4222196	0.03297478	1.75E-02	4.33E-03	3.35E-03

1925	565707.8	4222205	0.03379268	1.79E-02	4.44E-03	3.43E-03
1926	565711.5	4222214	0.03454944	1.83E-02	4.54E-03	3.51E-03
1927	565715.3	4222223	0.03524042	1.87E-02	4.63E-03	3.58E-03
1928	565591	4222043	0.01722075	9.13E-03	2.26E-03	1.75E-03
1929	565599.9	4222047	0.01752597	9.29E-03	2.30E-03	1.78E-03
1930	565608.8	4222051	0.01781735	9.45E-03	2.34E-03	1.81E-03
1931	565617.7	4222054	0.01809277	9.59E-03	2.38E-03	1.84E-03
1932	565665.9	4222081	0.01999442	1.06E-02	2.63E-03	2.03E-03
1933	565669.6	4222090	0.02087999	1.11E-02	2.74E-03	2.12E-03
1934	565673.3	4222099	0.02178848	1.16E-02	2.86E-03	2.21E-03
1935	565677	4222108	0.02271612	1.20E-02	2.98E-03	2.31E-03
1936	565680.7	4222117	0.02365766	1.25E-02	3.11E-03	2.40E-03
1937	565684.4	4222126	0.02460652	1.30E-02	3.23E-03	2.50E-03
1938	565688.1	4222135	0.02556405	1.36E-02	3.36E-03	2.60E-03
1939	565691.8	4222144	0.02652146	1.41E-02	3.48E-03	2.70E-03
1940	565695.5	4222152	0.02746989	1.46E-02	3.61E-03	2.79E-03
1941	565699.2	4222161	0.0283992	1.51E-02	3.73E-03	2.89E-03
1942	565714	4222197	0.03176074	1.68E-02	4.17E-03	3.23E-03
1943	565717.7	4222206	0.03248787	1.72E-02	4.27E-03	3.30E-03
1944	565721.4	4222215	0.03315999	1.76E-02	4.35E-03	3.37E-03
1945	565725.2	4222223	0.03377113	1.79E-02	4.44E-03	3.43E-03
1946	565598.8	4222037	0.0164975	8.75E-03	2.17E-03	1.68E-03
1947	565607.6	4222040	0.01677465	8.89E-03	2.20E-03	1.70E-03
1948	565616.4	4222044	0.01703949	9.03E-03	2.24E-03	1.73E-03
1949	565625.2	4222047	0.01727837	9.16E-03	2.27E-03	1.76E-03
1950	565634	4222051	0.01751266	9.29E-03	2.30E-03	1.78E-03
1951	565642.8	4222055	0.0177291	9.40E-03	2.33E-03	1.80E-03
1952	565651.6	4222058	0.01792058	9.50E-03	2.35E-03	1.82E-03
1953	565660.4	4222062	0.01809024	9.59E-03	2.38E-03	1.84E-03
1954	565676.5	4222083	0.01983748	1.05E-02	2.61E-03	2.02E-03
1955	565680.1	4222092	0.0206699	1.10E-02	2.71E-03	2.10E-03
1956	565683.8	4222101	0.02151927	1.14E-02	2.83E-03	2.19E-03
1957	565687.4	4222109	0.02238217	1.19E-02	2.94E-03	2.27E-03
1958	565691.1	4222118	0.02325241	1.23E-02	3.05E-03	2.36E-03
1959	565694.8	4222127	0.0241276	1.28E-02	3.17E-03	2.45E-03
1960	565698.4	4222136	0.02501119	1.33E-02	3.28E-03	2.54E-03
1961	565702.1	4222145	0.02589038	1.37E-02	3.40E-03	2.63E-03
1962	565705.8	4222153	0.02675621	1.42E-02	3.51E-03	2.72E-03
1963	565709.4	4222162	0.02759227	1.46E-02	3.62E-03	2.80E-03
1964	565713.1	4222171	0.0283989	1.51E-02	3.73E-03	2.89E-03
1965	565731.4	4222215	0.03185004	1.69E-02	4.18E-03	3.24E-03
1966	565735	4222224	0.03239403	1.72E-02	4.25E-03	3.29E-03
1967	565597.8	4222026	0.01555614	8.25E-03	2.04E-03	1.58E-03
1968	565606.5	4222030	0.01581906	8.39E-03	2.08E-03	1.61E-03
1969	565615.2	4222033	0.01607148	8.52E-03	2.11E-03	1.63E-03
1970	565623.9	4222037	0.01631264	8.65E-03	2.14E-03	1.66E-03
1971	565632.6	4222041	0.01653021	8.76E-03	2.17E-03	1.68E-03

1972	565641.3	4222044	0.01674404	8.88E-03	2.20E-03	1.70E-03
1973	565650	4222048	0.01693869	8.98E-03	2.22E-03	1.72E-03
1974	565658.7	4222051	0.01711338	9.07E-03	2.25E-03	1.74E-03
1975	565667.4	4222055	0.01726997	9.16E-03	2.27E-03	1.76E-03
1976	565687	4222085	0.01964258	1.04E-02	2.58E-03	2.00E-03
1977	565690.6	4222093	0.02042353	1.08E-02	2.68E-03	2.08E-03
1978	565694.2	4222102	0.02121698	1.12E-02	2.79E-03	2.16E-03
1979	565697.8	4222111	0.02201745	1.17E-02	2.89E-03	2.24E-03
1980	565701.4	4222119	0.02282336	1.21E-02	3.00E-03	2.32E-03
1981	565705.1	4222128	0.02363053	1.25E-02	3.10E-03	2.40E-03
1982	565708.7	4222137	0.02444372	1.30E-02	3.21E-03	2.48E-03
1983	565712.3	4222145	0.02524731	1.34E-02	3.32E-03	2.57E-03
1984	565715.9	4222154	0.02603404	1.38E-02	3.42E-03	2.65E-03
1985	565719.6	4222163	0.0267926	1.42E-02	3.52E-03	2.72E-03
1986	565723.2	4222171	0.02752183	1.46E-02	3.61E-03	2.80E-03
1987	565726.8	4222180	0.02821885	1.50E-02	3.71E-03	2.87E-03
1988	565730.4	4222189	0.0288804	1.53E-02	3.79E-03	2.94E-03
1989	565619.7	4222026	0.01533266	8.13E-03	2.01E-03	1.56E-03
1990	565628.7	4222029	0.01555878	8.25E-03	2.04E-03	1.58E-03
1991	565637.8	4222033	0.01578127	8.37E-03	2.07E-03	1.60E-03
1992	565646.8	4222037	0.01598894	8.48E-03	2.10E-03	1.62E-03
1993	565655.9	4222040	0.01617635	8.58E-03	2.12E-03	1.64E-03
1994	565664.9	4222044	0.01634812	8.67E-03	2.15E-03	1.66E-03
1995	565674	4222048	0.01650148	8.75E-03	2.17E-03	1.68E-03
1996	565686.8	4222061	0.01734063	9.19E-03	2.28E-03	1.76E-03
1997	565694.3	4222079	0.01880424	9.97E-03	2.47E-03	1.91E-03
1998	565698.1	4222088	0.01956256	1.04E-02	2.57E-03	1.99E-03
1999	565701.9	4222097	0.02033184	1.08E-02	2.67E-03	2.07E-03
2000	565705.6	4222106	0.02110939	1.12E-02	2.77E-03	2.15E-03
2001	565709.4	4222115	0.02189289	1.16E-02	2.88E-03	2.22E-03
2002	565713.2	4222124	0.02267376	1.20E-02	2.98E-03	2.30E-03
2003	565720.7	4222142	0.02423812	1.29E-02	3.18E-03	2.46E-03
2004	565724.5	4222151	0.0250011	1.33E-02	3.28E-03	2.54E-03
2005	565728.2	4222160	0.02573887	1.36E-02	3.38E-03	2.62E-03
2006	565732	4222169	0.02644163	1.40E-02	3.47E-03	2.69E-03
2007	565735.8	4222178	0.02711453	1.44E-02	3.56E-03	2.76E-03
2008	565739.5	4222187	0.02774943	1.47E-02	3.64E-03	2.82E-03
2009	565743.3	4222196	0.02834505	1.50E-02	3.72E-03	2.88E-03
2010	565747.1	4222205	0.02889907	1.53E-02	3.80E-03	2.94E-03
2011	565645.2	4222026	0.01513481	8.02E-03	1.99E-03	1.54E-03
2012	565654.2	4222030	0.01532268	8.12E-03	2.01E-03	1.56E-03
2013	565663.1	4222034	0.0154946	8.22E-03	2.03E-03	1.57E-03
2014	565672.1	4222037	0.01565168	8.30E-03	2.06E-03	1.59E-03
2015	565681	4222041	0.01579746	8.38E-03	2.07E-03	1.61E-03
2016	565693.7	4222054	0.01657348	8.79E-03	2.18E-03	1.68E-03
2017	565704.9	4222080	0.01861723	9.87E-03	2.44E-03	1.89E-03
2018	565708.6	4222089	0.01932719	1.02E-02	2.54E-03	1.96E-03

2019	565712.3	4222098	0.02004477	1.06E-02	2.63E-03	2.04E-03
2020	565716	4222107	0.02076869	1.10E-02	2.73E-03	2.11E-03
2021	565719.8	4222116	0.02149143	1.14E-02	2.82E-03	2.18E-03
2022	565723.5	4222125	0.02221186	1.18E-02	2.92E-03	2.26E-03
2023	565727.2	4222134	0.02293438	1.22E-02	3.01E-03	2.33E-03
2024	565731	4222143	0.0236472	1.25E-02	3.11E-03	2.40E-03
2025	565734.7	4222152	0.02434372	1.29E-02	3.20E-03	2.47E-03
2026	565738.4	4222161	0.02501261	1.33E-02	3.28E-03	2.54E-03
2027	565742.1	4222170	0.02564917	1.36E-02	3.37E-03	2.61E-03
2028	565745.9	4222179	0.0262554	1.39E-02	3.45E-03	2.67E-03
2029	565749.6	4222188	0.02682708	1.42E-02	3.52E-03	2.73E-03
2030	565753.3	4222197	0.02736373	1.45E-02	3.59E-03	2.78E-03
2031	565757	4222205	0.02785812	1.48E-02	3.66E-03	2.83E-03
2032	565760.8	4222214	0.02831299	1.50E-02	3.72E-03	2.88E-03
2033	565764.5	4222223	0.02872325	1.52E-02	3.77E-03	2.92E-03
2034	565670.3	4222027	0.01486068	7.88E-03	1.95E-03	1.51E-03
2035	565679.2	4222030	0.0150078	7.96E-03	1.97E-03	1.53E-03
2036	565688	4222034	0.01514307	8.03E-03	1.99E-03	1.54E-03
2037	565700.6	4222046	0.01586236	8.41E-03	2.08E-03	1.61E-03
2038	565704.3	4222055	0.01647493	8.73E-03	2.16E-03	1.67E-03
2039	565715.4	4222082	0.01840181	9.76E-03	2.42E-03	1.87E-03
2040	565719	4222091	0.01906651	1.01E-02	2.50E-03	1.94E-03
2041	565722.7	4222100	0.01973589	1.05E-02	2.59E-03	2.01E-03
2042	565726.4	4222108	0.02040747	1.08E-02	2.68E-03	2.07E-03
2043	565730.1	4222117	0.02107639	1.12E-02	2.77E-03	2.14E-03
2044	565733.8	4222126	0.02174039	1.15E-02	2.86E-03	2.21E-03
2045	565737.5	4222135	0.02240958	1.19E-02	2.94E-03	2.28E-03
2046	565741.2	4222144	0.02306378	1.22E-02	3.03E-03	2.34E-03
2047	565744.9	4222153	0.02369664	1.26E-02	3.11E-03	2.41E-03
2048	565748.5	4222161	0.02430248	1.29E-02	3.19E-03	2.47E-03
2049	565752.2	4222170	0.02487896	1.32E-02	3.27E-03	2.53E-03
2050	565755.9	4222179	0.02542754	1.35E-02	3.34E-03	2.58E-03
2051	565759.6	4222188	0.02594447	1.38E-02	3.41E-03	2.64E-03
2052	565763.3	4222197	0.02642552	1.40E-02	3.47E-03	2.69E-03
2053	565767	4222206	0.02687735	1.43E-02	3.53E-03	2.73E-03
2054	565770.7	4222215	0.0272907	1.45E-02	3.58E-03	2.77E-03
2055	565774.4	4222223	0.02766637	1.47E-02	3.63E-03	2.81E-03
2056	565695.1	4222027	0.01453015	7.70E-03	1.91E-03	1.48E-03
2057	565707.5	4222039	0.01519904	8.06E-03	2.00E-03	1.54E-03
2058	565711.2	4222048	0.01576634	8.36E-03	2.07E-03	1.60E-03
2059	565714.8	4222057	0.01634739	8.67E-03	2.15E-03	1.66E-03
2060	565725.8	4222083	0.01816313	9.63E-03	2.39E-03	1.85E-03
2061	565729.4	4222092	0.01878493	9.96E-03	2.47E-03	1.91E-03
2062	565733.1	4222101	0.01940952	1.03E-02	2.55E-03	1.97E-03
2063	565736.7	4222110	0.02003646	1.06E-02	2.63E-03	2.04E-03
2064	565740.4	4222118	0.02066035	1.10E-02	2.71E-03	2.10E-03
2065	565744	4222127	0.02127739	1.13E-02	2.79E-03	2.16E-03

2066	565747.7	4222136	0.02188948	1.16E-02	2.87E-03	2.22E-03
2067	565751.3	4222145	0.02248588	1.19E-02	2.95E-03	2.29E-03
2068	565755	4222153	0.02306037	1.22E-02	3.03E-03	2.34E-03
2069	565758.7	4222162	0.02361022	1.25E-02	3.10E-03	2.40E-03
2070	565762.3	4222171	0.02413368	1.28E-02	3.17E-03	2.45E-03
2071	565766	4222180	0.02463477	1.31E-02	3.24E-03	2.50E-03
2072	565769.6	4222188	0.0251078	1.33E-02	3.30E-03	2.55E-03
2073	565773.3	4222197	0.02554842	1.35E-02	3.36E-03	2.60E-03
2074	565776.9	4222206	0.02595649	1.38E-02	3.41E-03	2.64E-03
2075	565780.6	4222215	0.02632966	1.40E-02	3.46E-03	2.68E-03
2076	565784.2	4222223	0.02666651	1.41E-02	3.50E-03	2.71E-03
2077	565714.6	4222033	0.01459932	7.74E-03	1.92E-03	1.48E-03
2078	565718.4	4222042	0.01515337	8.03E-03	1.99E-03	1.54E-03
2079	565722.1	4222051	0.0157175	8.33E-03	2.06E-03	1.60E-03
2080	565725.9	4222060	0.01629255	8.64E-03	2.14E-03	1.66E-03
2081	565733.5	4222078	0.01747896	9.27E-03	2.30E-03	1.78E-03
2082	565737.2	4222087	0.01808798	9.59E-03	2.38E-03	1.84E-03
2083	565741	4222096	0.0186988	9.91E-03	2.46E-03	1.90E-03
2084	565744.8	4222105	0.01930912	1.02E-02	2.54E-03	1.96E-03
2085	565756.1	4222132	0.02110676	1.12E-02	2.77E-03	2.15E-03
2086	565759.9	4222142	0.0216813	1.15E-02	2.85E-03	2.20E-03
2087	565763.7	4222151	0.02223612	1.18E-02	2.92E-03	2.26E-03
2088	565767.5	4222160	0.02277123	1.21E-02	2.99E-03	2.31E-03
2089	565771.3	4222169	0.02328219	1.23E-02	3.06E-03	2.37E-03
2090	565775	4222178	0.023767	1.26E-02	3.12E-03	2.42E-03
2091	565778.8	4222187	0.02422144	1.28E-02	3.18E-03	2.46E-03
2092	565782.6	4222196	0.0246452	1.31E-02	3.24E-03	2.50E-03
2093	565786.4	4222205	0.02503474	1.33E-02	3.29E-03	2.54E-03
2094	565790.2	4222214	0.02539024	1.35E-02	3.33E-03	2.58E-03
2095	565793.9	4222223	0.02570856	1.36E-02	3.38E-03	2.61E-03
2096	565721.5	4222026	0.01401298	7.43E-03	1.84E-03	1.42E-03
2097	565725.2	4222035	0.01453122	7.70E-03	1.91E-03	1.48E-03
2098	565729	4222044	0.01505667	7.98E-03	1.98E-03	1.53E-03
2099	565732.7	4222053	0.01559229	8.27E-03	2.05E-03	1.58E-03
2100	565736.4	4222062	0.01613727	8.56E-03	2.12E-03	1.64E-03
2101	565773.9	4222151	0.02166182	1.15E-02	2.84E-03	2.20E-03
2102	565777.6	4222160	0.02215293	1.17E-02	2.91E-03	2.25E-03
2103	565781.4	4222169	0.02261924	1.20E-02	2.97E-03	2.30E-03
2104	565785.1	4222178	0.02305924	1.22E-02	3.03E-03	2.34E-03
2105	565788.8	4222187	0.0234724	1.24E-02	3.08E-03	2.39E-03
2106	565792.6	4222196	0.02385549	1.26E-02	3.13E-03	2.42E-03
2107	565796.3	4222205	0.02420383	1.28E-02	3.18E-03	2.46E-03
2108	565800.1	4222214	0.02451935	1.30E-02	3.22E-03	2.49E-03
2109	565803.8	4222223	0.0247997	1.31E-02	3.26E-03	2.52E-03
2110	565742.9	4222029	0.01384557	7.34E-03	1.82E-03	1.41E-03
2111	565746.6	4222038	0.01431389	7.59E-03	1.88E-03	1.45E-03
2112	565750.3	4222047	0.01479026	7.84E-03	1.94E-03	1.50E-03

2113	565753.9	4222056	0.01527518	8.10E-03	2.01E-03	1.55E-03
2114	565765	4222082	0.01676195	8.89E-03	2.20E-03	1.70E-03
2115	565768.7	4222091	0.01725698	9.15E-03	2.27E-03	1.75E-03
2116	565772.3	4222100	0.01774911	9.41E-03	2.33E-03	1.80E-03
2117	565776	4222109	0.01823532	9.67E-03	2.39E-03	1.85E-03
2118	565779.7	4222117	0.01871398	9.92E-03	2.46E-03	1.90E-03
2119	565783.4	4222126	0.01918104	1.02E-02	2.52E-03	1.95E-03
2120	565787.1	4222135	0.01964452	1.04E-02	2.58E-03	2.00E-03
2121	565790.7	4222144	0.02009585	1.07E-02	2.64E-03	2.04E-03
2122	565809.2	4222188	0.02201955	1.17E-02	2.89E-03	2.24E-03
2123	565812.8	4222197	0.02233012	1.18E-02	2.93E-03	2.27E-03
2124	565816.5	4222206	0.02261348	1.20E-02	2.97E-03	2.30E-03
2125	565820.2	4222214	0.02286951	1.21E-02	3.00E-03	2.32E-03
2126	565823.9	4222223	0.02333267	1.24E-02	3.06E-03	2.37E-03
2127	565761	4222024	0.01325831	7.03E-03	1.74E-03	1.35E-03
2128	565764.8	4222034	0.01369078	7.26E-03	1.80E-03	1.39E-03
2129	565768.5	4222043	0.01413315	7.49E-03	1.86E-03	1.44E-03
2130	565772.3	4222052	0.01458133	7.73E-03	1.91E-03	1.48E-03
2131	565776.1	4222061	0.01503163	7.97E-03	1.97E-03	1.53E-03
2132	565783.6	4222079	0.01593466	8.45E-03	2.09E-03	1.62E-03
2133	565787.3	4222088	0.0163844	8.69E-03	2.15E-03	1.67E-03
2134	565791.1	4222097	0.0168304	8.92E-03	2.21E-03	1.71E-03
2135	565794.9	4222106	0.01700321	9.02E-03	2.23E-03	1.73E-03
2136	565798.6	4222115	0.01746656	9.26E-03	2.29E-03	1.78E-03
2137	565802.4	4222124	0.01791208	9.50E-03	2.35E-03	1.82E-03
2138	565806.2	4222133	0.01837381	9.74E-03	2.41E-03	1.87E-03
2139	565809.9	4222142	0.01883055	9.98E-03	2.47E-03	1.91E-03
2140	565813.7	4222151	0.01932216	1.02E-02	2.54E-03	1.96E-03
2141	565817.5	4222160	0.01968588	1.04E-02	2.59E-03	2.00E-03
2142	565821.2	4222169	0.02002357	1.06E-02	2.63E-03	2.03E-03
2143	565825	4222178	0.02039943	1.08E-02	2.68E-03	2.07E-03
2144	565843.8	4222223	0.02179657	1.16E-02	2.86E-03	2.22E-03
2145	565782.3	4222028	0.01303902	6.91E-03	1.71E-03	1.33E-03
2146	565786	4222036	0.013434	7.12E-03	1.76E-03	1.37E-03
2147	565789.7	4222045	0.01382949	7.33E-03	1.82E-03	1.41E-03
2148	565793.4	4222054	0.01422527	7.54E-03	1.87E-03	1.45E-03
2149	565800.8	4222072	0.01502195	7.96E-03	1.97E-03	1.53E-03
2150	565804.5	4222081	0.01542217	8.18E-03	2.03E-03	1.57E-03
2151	565808.3	4222090	0.0158185	8.39E-03	2.08E-03	1.61E-03
2152	565812	4222099	0.01596661	8.47E-03	2.10E-03	1.62E-03
2153	565815.7	4222108	0.01636148	8.67E-03	2.15E-03	1.66E-03
2154	565819.4	4222116	0.01674258	8.88E-03	2.20E-03	1.70E-03
2155	565823.1	4222125	0.01710717	9.07E-03	2.25E-03	1.74E-03
2156	565826.8	4222134	0.01751922	9.29E-03	2.30E-03	1.78E-03
2157	565830.5	4222143	0.01791506	9.50E-03	2.35E-03	1.82E-03
2158	565834.2	4222152	0.01828788	9.70E-03	2.40E-03	1.86E-03
2159	565837.9	4222161	0.01863008	9.88E-03	2.45E-03	1.89E-03

2160	565841.6	4222170	0.01894585	1.00E-02	2.49E-03	1.93E-03
2161	565845.3	4222179	0.01924319	1.02E-02	2.53E-03	1.96E-03
2162	565849	4222188	0.01952031	1.03E-02	2.56E-03	1.98E-03
2163	565852.7	4222196	0.01977524	1.05E-02	2.60E-03	2.01E-03
2164	565856.4	4222205	0.02001368	1.06E-02	2.63E-03	2.03E-03
2165	565860.1	4222214	0.02023619	1.07E-02	2.66E-03	2.06E-03
2166	565819.5	4222069	0.01433738	7.60E-03	1.88E-03	1.46E-03
2167	565823.3	4222078	0.01470328	7.80E-03	1.93E-03	1.49E-03
2168	565827.1	4222087	0.01482542	7.86E-03	1.95E-03	1.51E-03
2169	565830.9	4222096	0.01520046	8.06E-03	2.00E-03	1.54E-03
2170	565834.6	4222105	0.01555345	8.25E-03	2.04E-03	1.58E-03
2171	565838.4	4222114	0.01590615	8.43E-03	2.09E-03	1.62E-03
2172	565842.2	4222123	0.01625538	8.62E-03	2.13E-03	1.65E-03
2173	565846	4222132	0.01661095	8.81E-03	2.18E-03	1.69E-03
2174	565849.8	4222141	0.01695335	8.99E-03	2.23E-03	1.72E-03
2175	565853.5	4222150	0.01727347	9.16E-03	2.27E-03	1.76E-03
2176	565857.3	4222159	0.01757286	9.32E-03	2.31E-03	1.79E-03
2177	565861.1	4222169	0.0178543	9.47E-03	2.34E-03	1.81E-03
2178	565864.9	4222178	0.01811891	9.61E-03	2.38E-03	1.84E-03
2179	565868.7	4222187	0.01836383	9.74E-03	2.41E-03	1.87E-03
2180	565872.4	4222196	0.01860459	9.86E-03	2.44E-03	1.89E-03
2181	565876.2	4222205	0.01882971	9.98E-03	2.47E-03	1.91E-03
2182	565880	4222214	0.01903779	1.01E-02	2.50E-03	1.93E-03
2183	565883.8	4222223	0.0192128	1.02E-02	2.52E-03	1.95E-03
2184	565862.8	4222125	0.01556279	8.25E-03	2.04E-03	1.58E-03
2185	565866.6	4222134	0.0158569	8.41E-03	2.08E-03	1.61E-03
2186	565870.3	4222143	0.01614058	8.56E-03	2.12E-03	1.64E-03
2187	565874	4222151	0.01640979	8.70E-03	2.16E-03	1.67E-03
2188	565877.7	4222160	0.01666531	8.84E-03	2.19E-03	1.69E-03
2189	565881.5	4222169	0.01690431	8.96E-03	2.22E-03	1.72E-03
2190	565885.2	4222178	0.01713296	9.08E-03	2.25E-03	1.74E-03
2191	565888.9	4222187	0.01735325	9.20E-03	2.28E-03	1.76E-03
2192	565892.7	4222196	0.01756976	9.32E-03	2.31E-03	1.79E-03
2193	565896.4	4222205	0.01776095	9.42E-03	2.33E-03	1.80E-03
2194	565900.1	4222214	0.01792835	9.51E-03	2.35E-03	1.82E-03
2195	565903.8	4222223	0.01806644	9.58E-03	2.37E-03	1.84E-03
2196	565897.2	4222159	0.0158016	8.38E-03	2.08E-03	1.61E-03
2197	565901	4222168	0.01602587	8.50E-03	2.10E-03	1.63E-03
2198	565904.8	4222177	0.01623539	8.61E-03	2.13E-03	1.65E-03
2199	565908.6	4222186	0.01642889	8.71E-03	2.16E-03	1.67E-03
2200	565912.4	4222195	0.0166059	8.80E-03	2.18E-03	1.69E-03
2201	565916.2	4222205	0.01675953	8.89E-03	2.20E-03	1.70E-03
2202	565920	4222214	0.01689334	8.96E-03	2.22E-03	1.72E-03
2203	565923.8	4222223	0.01700956	9.02E-03	2.23E-03	1.73E-03
2204	565932.6	4222196	0.01570642	8.33E-03	2.06E-03	1.60E-03
2205	565936.3	4222205	0.01583334	8.39E-03	2.08E-03	1.61E-03
2206	565940.1	4222214	0.01594432	8.45E-03	2.09E-03	1.62E-03

2207	565943.8	4222223	0.01604195	8.51E-03	2.11E-03	1.63E-03
2208	565921.9	4222122	0.01350667	7.16E-03	1.77E-03	1.37E-03
2209	565929.5	4222044	0.01064543	5.64E-03	1.40E-03	1.08E-03
2210	565933.2	4222053	0.01085178	5.75E-03	1.43E-03	1.10E-03
2211	565936.9	4222062	0.0110491	5.86E-03	1.45E-03	1.12E-03
2212	565940.6	4222071	0.01124711	5.96E-03	1.48E-03	1.14E-03
2213	565944.4	4222080	0.01145021	6.07E-03	1.50E-03	1.16E-03
2214	565944.6	4222033	0.01005284	5.33E-03	1.32E-03	1.02E-03
2215	565948.4	4222042	0.01024416	5.43E-03	1.35E-03	1.04E-03
2216	565952.1	4222051	0.01042921	5.53E-03	1.37E-03	1.06E-03
2217	565955.9	4222060	0.01061611	5.63E-03	1.39E-03	1.08E-03
2218	565959.7	4222069	0.01080342	5.73E-03	1.42E-03	1.10E-03
2219	565963.4	4222078	0.01098395	5.82E-03	1.44E-03	1.12E-03
2220	565967.2	4222087	0.01115165	5.91E-03	1.46E-03	1.13E-03
2221	565971	4222096	0.01130647	5.99E-03	1.48E-03	1.15E-03
2222	565974.8	4222105	0.01147272	6.08E-03	1.51E-03	1.17E-03
2223	565978.5	4222114	0.01163289	6.17E-03	1.53E-03	1.18E-03
2224	565982.3	4222123	0.01178416	6.25E-03	1.55E-03	1.20E-03
2225	566023.8	4222223	0.01285591	6.82E-03	1.69E-03	1.31E-03
2226	565626.9	4221740	0.004862514	2.58E-03	6.39E-04	4.94E-04
2227	565635.9	4221743	0.004921283	2.61E-03	6.46E-04	5.00E-04
2228	565644.9	4221747	0.004980698	2.64E-03	6.54E-04	5.06E-04
2229	565653.8	4221751	0.005039736	2.67E-03	6.62E-04	5.12E-04
2230	565662.8	4221754	0.005098586	2.70E-03	6.70E-04	5.18E-04
2231	565958	4222017	0.009404151	4.99E-03	1.24E-03	9.56E-04
2232	565961.7	4222026	0.009584224	5.08E-03	1.26E-03	9.74E-04
2233	565965.4	4222035	0.009756874	5.17E-03	1.28E-03	9.92E-04
2234	565969.2	4222044	0.00993345	5.27E-03	1.30E-03	1.01E-03
2235	565972.9	4222053	0.01011401	5.36E-03	1.33E-03	1.03E-03
2236	565976.6	4222061	0.0102919	5.46E-03	1.35E-03	1.05E-03
2237	565980.4	4222070	0.01045164	5.54E-03	1.37E-03	1.06E-03
2238	565984.1	4222079	0.01059519	5.62E-03	1.39E-03	1.08E-03
2239	565987.8	4222088	0.01073094	5.69E-03	1.41E-03	1.09E-03
2240	565991.6	4222097	0.01086219	5.76E-03	1.43E-03	1.10E-03
2241	565995.3	4222106	0.01100916	5.84E-03	1.45E-03	1.12E-03
2242	565999	4222115	0.01114832	5.91E-03	1.46E-03	1.13E-03
2243	566002.8	4222124	0.01128092	5.98E-03	1.48E-03	1.15E-03
2244	566006.5	4222133	0.01140548	6.05E-03	1.50E-03	1.16E-03
2245	566010.2	4222142	0.01152143	6.11E-03	1.51E-03	1.17E-03
2246	566014	4222151	0.01162972	6.17E-03	1.53E-03	1.18E-03
2247	566017.7	4222160	0.01172845	6.22E-03	1.54E-03	1.19E-03
2248	566036.4	4222205	0.01208381	6.41E-03	1.59E-03	1.23E-03
2249	566040.1	4222214	0.01211641	6.42E-03	1.59E-03	1.23E-03
2250	566043.8	4222223	0.01216456	6.45E-03	1.60E-03	1.24E-03
2251	565628.5	4221720	0.004598281	2.44E-03	6.04E-04	4.67E-04
2252	565637.6	4221724	0.004653177	2.47E-03	6.11E-04	4.73E-04
2253	565646.7	4221728	0.004707939	2.50E-03	6.18E-04	4.78E-04

2254	565655.8	4221731	0.004762539	2.53E-03	6.25E-04	4.84E-04
2255	565664.9	4221735	0.004816978	2.55E-03	6.33E-04	4.90E-04
2256	565674	4221739	0.004871686	2.58E-03	6.40E-04	4.95E-04
2257	565683.1	4221743	0.004926447	2.61E-03	6.47E-04	5.01E-04
2258	565692.2	4221746	0.004981074	2.64E-03	6.54E-04	5.06E-04
2259	565701.2	4221750	0.005035513	2.67E-03	6.61E-04	5.12E-04
2260	565710.3	4221754	0.005090275	2.70E-03	6.69E-04	5.17E-04
2261	565719.4	4221758	0.005144633	2.73E-03	6.76E-04	5.23E-04
2262	565728.5	4221761	0.005198454	2.76E-03	6.83E-04	5.28E-04
2263	565973	4222005	0.008913878	4.73E-03	1.17E-03	9.06E-04
2264	565976.8	4222014	0.00907741	4.81E-03	1.19E-03	9.23E-04
2265	565980.6	4222023	0.009238978	4.90E-03	1.21E-03	9.39E-04
2266	565984.4	4222032	0.009402833	4.99E-03	1.23E-03	9.56E-04
2267	565988.1	4222041	0.009569297	5.07E-03	1.26E-03	9.72E-04
2268	565991.9	4222050	0.009730676	5.16E-03	1.28E-03	9.89E-04
2269	565995.7	4222059	0.009882669	5.24E-03	1.30E-03	1.00E-03
2270	565999.5	4222068	0.01002342	5.31E-03	1.32E-03	1.02E-03
2271	566003.3	4222077	0.01015414	5.38E-03	1.33E-03	1.03E-03
2272	566007.1	4222086	0.01028566	5.45E-03	1.35E-03	1.05E-03
2273	566010.8	4222095	0.01041202	5.52E-03	1.37E-03	1.06E-03
2274	566014.6	4222105	0.010546	5.59E-03	1.39E-03	1.07E-03
2275	566018.4	4222114	0.01066867	5.66E-03	1.40E-03	1.08E-03
2276	566022.2	4222123	0.01077655	5.71E-03	1.42E-03	1.10E-03
2277	566026	4222132	0.01088175	5.77E-03	1.43E-03	1.11E-03
2278	566029.7	4222141	0.01098594	5.82E-03	1.44E-03	1.12E-03
2279	566033.5	4222150	0.01108317	5.88E-03	1.46E-03	1.13E-03
2280	566037.3	4222159	0.01117029	5.92E-03	1.47E-03	1.14E-03
2281	566041.1	4222168	0.01124181	5.96E-03	1.48E-03	1.14E-03
2282	566052.4	4222195	0.01137113	6.03E-03	1.49E-03	1.16E-03
2283	565627.3	4221700	0.004342171	2.30E-03	5.70E-04	4.41E-04
2284	565636.3	4221703	0.0043915	2.33E-03	5.77E-04	4.46E-04
2285	565645.3	4221707	0.004441823	2.36E-03	5.83E-04	4.51E-04
2286	565654.3	4221711	0.004491878	2.38E-03	5.90E-04	4.56E-04
2287	565663.3	4221715	0.004541744	2.41E-03	5.96E-04	4.62E-04
2288	565672.3	4221718	0.004591557	2.43E-03	6.03E-04	4.67E-04
2289	565681.3	4221722	0.004641128	2.46E-03	6.10E-04	4.72E-04
2290	565690.3	4221726	0.004690698	2.49E-03	6.16E-04	4.77E-04
2291	565699.3	4221729	0.004739973	2.51E-03	6.22E-04	4.82E-04
2292	565708.3	4221733	0.00478992	2.54E-03	6.29E-04	4.87E-04
2293	565717.3	4221737	0.004840647	2.57E-03	6.36E-04	4.92E-04
2294	565726.3	4221740	0.004891105	2.59E-03	6.42E-04	4.97E-04
2295	565753.3	4221752	0.005037907	2.67E-03	6.62E-04	5.12E-04
2296	565762.3	4221755	0.005086052	2.70E-03	6.68E-04	5.17E-04
2297	565771.3	4221759	0.00513366	2.72E-03	6.74E-04	5.22E-04
2298	565780.3	4221763	0.005180917	2.75E-03	6.80E-04	5.27E-04
2299	565789.3	4221766	0.005227448	2.77E-03	6.87E-04	5.31E-04
2300	565798.3	4221770	0.00527328	2.80E-03	6.93E-04	5.36E-04

2301	565807.3	4221774	0.005318467	2.82E-03	6.98E-04	5.40E-04
2302	565986.4	4221989	0.008369597	4.44E-03	1.10E-03	8.51E-04
2303	565990.2	4221998	0.008526808	4.52E-03	1.12E-03	8.67E-04
2304	565993.9	4222007	0.008679098	4.60E-03	1.14E-03	8.82E-04
2305	565997.7	4222016	0.008835878	4.68E-03	1.16E-03	8.98E-04
2306	566001.4	4222025	0.008994918	4.77E-03	1.18E-03	9.14E-04
2307	566005.2	4222034	0.009153796	4.85E-03	1.20E-03	9.30E-04
2308	566008.9	4222043	0.009295973	4.93E-03	1.22E-03	9.45E-04
2309	566012.7	4222052	0.00943371	5.00E-03	1.24E-03	9.59E-04
2310	566016.4	4222061	0.009572497	5.08E-03	1.26E-03	9.73E-04
2311	566020.1	4222070	0.009706738	5.15E-03	1.27E-03	9.86E-04
2312	566023.9	4222079	0.009830732	5.21E-03	1.29E-03	9.99E-04
2313	566027.6	4222088	0.009948486	5.27E-03	1.31E-03	1.01E-03
2314	566031.4	4222097	0.01006072	5.33E-03	1.32E-03	1.02E-03
2315	566035.1	4222106	0.01016366	5.39E-03	1.33E-03	1.03E-03
2316	566038.9	4222115	0.01025293	5.44E-03	1.35E-03	1.04E-03
2317	566042.6	4222124	0.01032593	5.47E-03	1.36E-03	1.05E-03
2318	566046.4	4222133	0.01041302	5.52E-03	1.37E-03	1.06E-03
2319	566050.1	4222142	0.01050293	5.57E-03	1.38E-03	1.07E-03
2320	566053.9	4222151	0.01058623	5.61E-03	1.39E-03	1.08E-03
2321	566065.1	4222178	0.0106989	5.67E-03	1.41E-03	1.09E-03
2322	566068.8	4222187	0.01068258	5.66E-03	1.40E-03	1.09E-03
2323	566072.6	4222196	0.01070396	5.68E-03	1.41E-03	1.09E-03
2324	566076.3	4222205	0.01072873	5.69E-03	1.41E-03	1.09E-03
2325	566080.1	4222214	0.01075751	5.70E-03	1.41E-03	1.09E-03
2326	566083.8	4222222	0.01079971	5.73E-03	1.42E-03	1.10E-03
2327	565510.3	4221632	0.003511198	1.86E-03	4.61E-04	3.57E-04
2328	565519.5	4221635	0.003556869	1.89E-03	4.67E-04	3.61E-04
2329	565628.8	4221680	0.004120274	2.18E-03	5.41E-04	4.19E-04
2330	565637.9	4221684	0.004167612	2.21E-03	5.47E-04	4.24E-04
2331	565647	4221688	0.004214788	2.23E-03	5.54E-04	4.28E-04
2332	565656.1	4221692	0.004261831	2.26E-03	5.60E-04	4.33E-04
2333	565665.2	4221695	0.004308685	2.28E-03	5.66E-04	4.38E-04
2334	565674.3	4221699	0.004355431	2.31E-03	5.72E-04	4.43E-04
2335	565683.4	4221703	0.004402016	2.33E-03	5.78E-04	4.47E-04
2336	565692.5	4221707	0.004448278	2.36E-03	5.84E-04	4.52E-04
2337	565701.6	4221710	0.004494567	2.38E-03	5.90E-04	4.57E-04
2338	565710.7	4221714	0.004541879	2.41E-03	5.96E-04	4.62E-04
2339	565719.9	4221718	0.004589324	2.43E-03	6.03E-04	4.66E-04
2340	565729	4221722	0.004636609	2.46E-03	6.09E-04	4.71E-04
2341	565756.3	4221733	0.004774589	2.53E-03	6.27E-04	4.85E-04
2342	565765.4	4221737	0.004819937	2.56E-03	6.33E-04	4.90E-04
2343	565774.5	4221740	0.004864988	2.58E-03	6.39E-04	4.94E-04
2344	565783.6	4221744	0.004909529	2.60E-03	6.45E-04	4.99E-04
2345	565792.7	4221748	0.004953721	2.63E-03	6.51E-04	5.03E-04
2346	565801.8	4221752	0.00499732	2.65E-03	6.56E-04	5.08E-04
2347	565811	4221755	0.005040301	2.67E-03	6.62E-04	5.12E-04

2348	565820.1	4221759	0.005082502	2.69E-03	6.67E-04	5.17E-04
2349	565829.2	4221763	0.005123896	2.72E-03	6.73E-04	5.21E-04
2350	565838.3	4221767	0.005164349	2.74E-03	6.78E-04	5.25E-04
2351	565847.4	4221770	0.005203832	2.76E-03	6.83E-04	5.29E-04
2352	565997.6	4221968	0.007800706	4.14E-03	1.02E-03	7.93E-04
2353	566001.4	4221977	0.007956761	4.22E-03	1.04E-03	8.09E-04
2354	566005.2	4221986	0.008098829	4.29E-03	1.06E-03	8.23E-04
2355	566009	4221995	0.008240332	4.37E-03	1.08E-03	8.37E-04
2356	566012.8	4222004	0.008384149	4.45E-03	1.10E-03	8.52E-04
2357	566016.6	4222013	0.008532914	4.52E-03	1.12E-03	8.67E-04
2358	566020.4	4222022	0.008676623	4.60E-03	1.14E-03	8.82E-04
2359	566024.2	4222031	0.008813608	4.67E-03	1.16E-03	8.96E-04
2360	566027.9	4222040	0.008947392	4.74E-03	1.18E-03	9.09E-04
2361	566031.7	4222050	0.009086877	4.82E-03	1.19E-03	9.23E-04
2362	566035.5	4222059	0.009224562	4.89E-03	1.21E-03	9.37E-04
2363	566039.3	4222068	0.009351837	4.96E-03	1.23E-03	9.50E-04
2364	566043.1	4222077	0.009464346	5.02E-03	1.24E-03	9.62E-04
2365	566046.9	4222086	0.009576478	5.08E-03	1.26E-03	9.73E-04
2366	566050.7	4222095	0.009688448	5.14E-03	1.27E-03	9.85E-04
2367	566054.5	4222104	0.009772473	5.18E-03	1.28E-03	9.93E-04
2368	566058.3	4222113	0.009837268	5.22E-03	1.29E-03	1.00E-03
2369	566062.1	4222122	0.009884444	5.24E-03	1.30E-03	1.00E-03
2370	566065.9	4222131	0.009944612	5.27E-03	1.31E-03	1.01E-03
2371	566069.7	4222141	0.01000828	5.31E-03	1.31E-03	1.02E-03
2372	566081	4222168	0.01004558	5.33E-03	1.32E-03	1.02E-03
2373	566084.8	4222177	0.01002049	5.31E-03	1.32E-03	1.02E-03
2374	566088.6	4222186	0.009982644	5.29E-03	1.31E-03	1.01E-03
2375	566092.4	4222195	0.01002027	5.31E-03	1.32E-03	1.02E-03
2376	566096.2	4222204	0.0100834	5.35E-03	1.32E-03	1.02E-03
2377	566100	4222213	0.0101518	5.38E-03	1.33E-03	1.03E-03
2378	566103.8	4222222	0.01021417	5.42E-03	1.34E-03	1.04E-03
2379	565501.2	4221628	0.003466227	1.84E-03	4.55E-04	3.52E-04
2380	565491.3	4221628	0.003453182	1.83E-03	4.54E-04	3.51E-04
2381	565481.4	4221628	0.003441429	1.82E-03	4.52E-04	3.50E-04
2382	565238.2	4222232	0.09017283	4.78E-02	1.18E-02	9.16E-03
2383	565236.9	4222248	0.1045448	5.54E-02	1.37E-02	1.06E-02
2384	565239.1	4222266	0.1214495	6.44E-02	1.59E-02	1.23E-02
2385	565240.2	4222275	0.1284813	6.81E-02	1.69E-02	1.31E-02
2386	565241.3	4222284	0.1340768	7.11E-02	1.76E-02	1.36E-02
2387	565242.4	4222293	0.1380667	7.32E-02	1.81E-02	1.40E-02
2388	565243.5	4222302	0.1404304	7.45E-02	1.84E-02	1.43E-02
2389	565228.4	4222233	0.08554937	4.54E-02	1.12E-02	8.69E-03
2390	565233.2	4222217	0.07565005	4.01E-02	9.94E-03	7.69E-03
2391	565227.1	4222249	0.09725219	5.16E-02	1.28E-02	9.88E-03
2392	565228.2	4222258	0.1043017	5.53E-02	1.37E-02	1.06E-02
2393	565229.3	4222267	0.110777	5.87E-02	1.45E-02	1.13E-02
2394	565230.4	4222276	0.1163543	6.17E-02	1.53E-02	1.18E-02

2395	565231.5	4222285	0.1208072	6.41E-02	1.59E-02	1.23E-02
2396	565233.7	4222303	0.1258827	6.67E-02	1.65E-02	1.28E-02
2397	565218.7	4222234	0.08113493	4.30E-02	1.07E-02	8.25E-03
2398	565223.5	4222219	0.07284806	3.86E-02	9.57E-03	7.40E-03
2399	565228.3	4222203	0.06399675	3.39E-02	8.40E-03	6.50E-03
2400	565217.4	4222251	0.09074817	4.81E-02	1.19E-02	9.22E-03
2401	565218.5	4222260	0.09650879	5.12E-02	1.27E-02	9.81E-03
2402	565219.6	4222269	0.1017461	5.39E-02	1.34E-02	1.03E-02
2403	565220.6	4222278	0.1062353	5.63E-02	1.40E-02	1.08E-02
2404	565221.7	4222286	0.1098147	5.82E-02	1.44E-02	1.12E-02
2405	565222.8	4222295	0.1123776	5.96E-02	1.48E-02	1.14E-02
2406	565223.9	4222304	0.1138705	6.04E-02	1.50E-02	1.16E-02
2407	565208.9	4222235	0.07695613	4.08E-02	1.01E-02	7.82E-03
2408	565213.7	4222220	0.07001609	3.71E-02	9.20E-03	7.12E-03
2409	565218.5	4222204	0.06230344	3.30E-02	8.18E-03	6.33E-03
2410	565223.3	4222189	0.05463738	2.90E-02	7.18E-03	5.55E-03
2411	565233	4222178	0.05021317	2.66E-02	6.59E-03	5.10E-03
2412	565207.6	4222252	0.08492588	4.50E-02	1.12E-02	8.63E-03
2413	565208.7	4222261	0.08969092	4.76E-02	1.18E-02	9.11E-03
2414	565210.9	4222279	0.09763767	5.18E-02	1.28E-02	9.92E-03
2415	565212	4222288	0.1005393	5.33E-02	1.32E-02	1.02E-02
2416	565213.1	4222297	0.1026045	5.44E-02	1.35E-02	1.04E-02
2417	565214.2	4222306	0.1037878	5.50E-02	1.36E-02	1.05E-02
2418	565199.1	4222236	0.07303032	3.87E-02	9.59E-03	7.42E-03
2419	565203.9	4222221	0.06721103	3.56E-02	8.83E-03	6.83E-03
2420	565208.7	4222206	0.06051062	3.21E-02	7.95E-03	6.15E-03
2421	565213.5	4222190	0.05362198	2.84E-02	7.04E-03	5.45E-03
2422	565225.7	4222171	0.04633887	2.46E-02	6.09E-03	4.71E-03
2423	565197.8	4222253	0.07967248	4.22E-02	1.05E-02	8.10E-03
2424	565198.9	4222262	0.08365482	4.44E-02	1.10E-02	8.50E-03
2425	565200	4222271	0.08720276	4.62E-02	1.15E-02	8.86E-03
2426	565201.1	4222280	0.09020905	4.78E-02	1.18E-02	9.17E-03
2427	565202.2	4222289	0.09257731	4.91E-02	1.22E-02	9.41E-03
2428	565203.3	4222298	0.09424767	5.00E-02	1.24E-02	9.58E-03
2429	565189.6	4222237	0.06911682	3.66E-02	9.08E-03	7.02E-03
2430	565195	4222220	0.063549	3.37E-02	8.35E-03	6.46E-03
2431	565202.9	4222194	0.05352915	2.84E-02	7.03E-03	5.44E-03
2432	565208.3	4222177	0.04679654	2.48E-02	6.15E-03	4.76E-03
2433	565219.1	4222165	0.04286145	2.27E-02	5.63E-03	4.36E-03
2434	565187	4222245	0.07128593	3.78E-02	9.36E-03	7.24E-03
2435	565189.2	4222263	0.07827452	4.15E-02	1.03E-02	7.95E-03
2436	565190.3	4222272	0.08123401	4.31E-02	1.07E-02	8.26E-03
2437	565191.3	4222281	0.08372233	4.44E-02	1.10E-02	8.51E-03
2438	565192.4	4222290	0.08566666	4.54E-02	1.13E-02	8.71E-03
2439	565193.5	4222299	0.08702186	4.61E-02	1.14E-02	8.84E-03
2440	565194.6	4222308	0.08776189	4.65E-02	1.15E-02	8.92E-03
2441	565179.9	4222238	0.06574301	3.49E-02	8.63E-03	6.68E-03

2442	565185.1	4222221	0.06110662	3.24E-02	8.03E-03	6.21E-03
2443	565190.4	4222204	0.05543696	2.94E-02	7.28E-03	5.63E-03
2444	565195.7	4222187	0.04935191	2.62E-02	6.48E-03	5.02E-03
2445	565200.9	4222170	0.04338153	2.30E-02	5.70E-03	4.41E-03
2446	565211.6	4222158	0.03987073	2.11E-02	5.24E-03	4.05E-03
2447	565227.8	4222151	0.03823189	2.03E-02	5.02E-03	3.89E-03
2448	565178.3	4222255	0.07061389	3.74E-02	9.27E-03	7.18E-03
2449	565179.4	4222264	0.07345152	3.89E-02	9.65E-03	7.46E-03
2450	565180.5	4222273	0.07593701	4.03E-02	9.97E-03	7.72E-03
2451	565181.6	4222282	0.078008	4.14E-02	1.02E-02	7.93E-03
2452	565183.8	4222300	0.08071604	4.28E-02	1.06E-02	8.20E-03
2453	565184.9	4222309	0.08129757	4.31E-02	1.07E-02	8.26E-03
2454	565170.1	4222239	0.06257897	3.32E-02	8.22E-03	6.36E-03
2455	565175.3	4222222	0.05871136	3.11E-02	7.71E-03	5.97E-03
2456	565180.5	4222206	0.05383223	2.85E-02	7.07E-03	5.47E-03
2457	565185.7	4222189	0.04843536	2.57E-02	6.36E-03	4.92E-03
2458	565191	4222172	0.04299123	2.28E-02	5.65E-03	4.37E-03
2459	565204.2	4222152	0.03720732	1.97E-02	4.89E-03	3.78E-03
2460	565220.2	4222144	0.03572356	1.89E-02	4.69E-03	3.63E-03
2461	565171.8	4222283	0.07292552	3.87E-02	9.58E-03	7.41E-03
2462	565172.9	4222292	0.07425508	3.94E-02	9.75E-03	7.55E-03
2463	565174	4222301	0.07515254	3.98E-02	9.87E-03	7.64E-03
2464	565175.1	4222310	0.07560559	4.01E-02	9.93E-03	7.68E-03
2465	565170.7	4222207	0.05218405	2.77E-02	6.85E-03	5.30E-03
2466	565175.8	4222190	0.0474085	2.51E-02	6.23E-03	4.82E-03
2467	565181	4222174	0.04246615	2.25E-02	5.58E-03	4.32E-03
2468	565186.2	4222157	0.03767414	2.00E-02	4.95E-03	3.83E-03
2469	565196.8	4222145	0.03482524	1.85E-02	4.57E-03	3.54E-03
2470	565212.7	4222138	0.03347443	1.77E-02	4.40E-03	3.40E-03
2471	565228.6	4222131	0.03192868	1.69E-02	4.19E-03	3.24E-03
2472	565150.5	4222242	0.05684312	3.01E-02	7.47E-03	5.78E-03
2473	565171.1	4222175	0.04183731	2.22E-02	5.49E-03	4.25E-03
2474	565176.3	4222159	0.03740197	1.98E-02	4.91E-03	3.80E-03
2475	565189.4	4222139	0.03267671	1.73E-02	4.29E-03	3.32E-03
2476	565205.2	4222131	0.03144769	1.67E-02	4.13E-03	3.20E-03
2477	565221	4222124	0.03004315	1.59E-02	3.95E-03	3.05E-03
2478	565149	4222259	0.05977333	3.17E-02	7.85E-03	6.07E-03
2479	565150.1	4222268	0.06154504	3.26E-02	8.08E-03	6.25E-03
2480	565151.2	4222277	0.06306082	3.34E-02	8.28E-03	6.41E-03
2481	565152.3	4222286	0.06428806	3.41E-02	8.44E-03	6.53E-03
2482	565153.4	4222295	0.06520583	3.46E-02	8.56E-03	6.63E-03
2483	565155.6	4222313	0.0660615	3.50E-02	8.68E-03	6.71E-03
2484	565140.7	4222243	0.05424351	2.88E-02	7.12E-03	5.51E-03
2485	565145.9	4222226	0.05198641	2.76E-02	6.83E-03	5.28E-03
2486	565151	4222210	0.04886213	2.59E-02	6.42E-03	4.97E-03
2487	565171.5	4222144	0.03308215	1.75E-02	4.34E-03	3.36E-03
2488	565181.9	4222132	0.03072431	1.63E-02	4.04E-03	3.12E-03

2489	565197.7	4222125	0.02961363	1.57E-02	3.89E-03	3.01E-03
2490	565139.2	4222260	0.05672795	3.01E-02	7.45E-03	5.77E-03
2491	565140.3	4222269	0.05825337	3.09E-02	7.65E-03	5.92E-03
2492	565141.4	4222278	0.05954704	3.16E-02	7.82E-03	6.05E-03
2493	565142.5	4222287	0.06058345	3.21E-02	7.96E-03	6.16E-03
2494	565143.6	4222296	0.06134653	3.25E-02	8.06E-03	6.23E-03
2495	565144.7	4222305	0.06182583	3.28E-02	8.12E-03	6.28E-03
2496	565145.8	4222314	0.06201756	3.29E-02	8.14E-03	6.30E-03
2497	565130.9	4222244	0.05180521	2.75E-02	6.80E-03	5.26E-03
2498	565136.1	4222228	0.04992621	2.65E-02	6.56E-03	5.07E-03
2499	565141.2	4222211	0.04723087	2.50E-02	6.20E-03	4.80E-03
2500	565151.4	4222178	0.04029817	2.14E-02	5.29E-03	4.10E-03
2501	565174.5	4222126	0.02894848	1.53E-02	3.80E-03	2.94E-03
2502	565129.5	4222261	0.05391612	2.86E-02	7.08E-03	5.48E-03
2503	565130.6	4222270	0.05523271	2.93E-02	7.25E-03	5.61E-03
2504	565131.7	4222279	0.05633937	2.99E-02	7.40E-03	5.73E-03
2505	565133.8	4222297	0.05785002	3.07E-02	7.60E-03	5.88E-03
2506	565134.9	4222306	0.05823449	3.09E-02	7.65E-03	5.92E-03
2507	565136	4222315	0.05836706	3.09E-02	7.67E-03	5.93E-03
2508	565121.2	4222245	0.04952252	2.63E-02	6.50E-03	5.03E-03
2509	565126.3	4222229	0.04794054	2.54E-02	6.30E-03	4.87E-03
2510	565131.3	4222213	0.04563611	2.42E-02	5.99E-03	4.64E-03
2511	565141.5	4222180	0.03943726	2.09E-02	5.18E-03	4.01E-03
2512	565146.6	4222164	0.03602846	1.91E-02	4.73E-03	3.66E-03
2513	565151.7	4222147	0.03261016	1.73E-02	4.28E-03	3.31E-03
2514	565214	4222098	0.02420012	1.28E-02	3.18E-03	2.46E-03
2515	565119.7	4222263	0.05131607	2.72E-02	6.74E-03	5.22E-03
2516	565120.8	4222271	0.05245499	2.78E-02	6.89E-03	5.33E-03
2517	565121.9	4222280	0.05340255	2.83E-02	7.01E-03	5.43E-03
2518	565123	4222289	0.05414474	2.87E-02	7.11E-03	5.50E-03
2519	565124.1	4222298	0.05467086	2.90E-02	7.18E-03	5.56E-03
2520	565125.2	4222307	0.05497593	2.91E-02	7.22E-03	5.59E-03
2521	565126.3	4222316	0.05505914	2.92E-02	7.23E-03	5.60E-03
2522	565111.4	4222247	0.04738146	2.51E-02	6.22E-03	4.82E-03
2523	565116.5	4222230	0.04604995	2.44E-02	6.05E-03	4.68E-03
2524	565121.5	4222214	0.0440601	2.34E-02	5.79E-03	4.48E-03
2525	565126.6	4222198	0.04150215	2.20E-02	5.45E-03	4.22E-03
2526	565131.7	4222181	0.03855169	2.04E-02	5.06E-03	3.92E-03
2527	565136.7	4222165	0.03543429	1.88E-02	4.65E-03	3.60E-03
2528	565141.8	4222149	0.03227291	1.71E-02	4.24E-03	3.28E-03
2529	565146.9	4222132	0.0291817	1.55E-02	3.83E-03	2.97E-03
2530	565190.9	4222099	0.02403949	1.27E-02	3.16E-03	2.44E-03
2531	565206.4	4222091	0.02298826	1.22E-02	3.02E-03	2.34E-03
2532	565222	4222084	0.02190341	1.16E-02	2.88E-03	2.23E-03
2533	565109.9	4222264	0.04890021	2.59E-02	6.42E-03	4.97E-03
2534	565111	4222273	0.04988767	2.65E-02	6.55E-03	5.07E-03
2535	565112.1	4222282	0.05070027	2.69E-02	6.66E-03	5.15E-03

2536	565113.2	4222291	0.0513281	2.72E-02	6.74E-03	5.22E-03
2537	565114.3	4222300	0.0517628	2.74E-02	6.80E-03	5.26E-03
2538	565115.4	4222309	0.0520011	2.76E-02	6.83E-03	5.28E-03
2539	565116.5	4222317	0.05204287	2.76E-02	6.83E-03	5.29E-03
2540	565101.8	4222247	0.04534028	2.40E-02	5.95E-03	4.61E-03
2541	565104.4	4222239	0.04482722	2.38E-02	5.89E-03	4.56E-03
2542	565109.8	4222222	0.04325495	2.29E-02	5.68E-03	4.40E-03
2543	565115.1	4222204	0.04107705	2.18E-02	5.39E-03	4.17E-03
2544	565123.2	4222178	0.03693461	1.96E-02	4.85E-03	3.75E-03
2545	565128.5	4222161	0.03387565	1.80E-02	4.45E-03	3.44E-03
2546	565133.9	4222144	0.03076901	1.63E-02	4.04E-03	3.13E-03
2547	565139.2	4222127	0.02775066	1.47E-02	3.64E-03	2.82E-03
2548	565177.4	4222095	0.02317952	1.23E-02	3.04E-03	2.36E-03
2549	565193.9	4222087	0.02218986	1.18E-02	2.91E-03	2.26E-03
2550	565202.1	4222084	0.02166406	1.15E-02	2.85E-03	2.20E-03
2551	565218.5	4222076	0.02060239	1.09E-02	2.71E-03	2.09E-03
2552	565100.2	4222265	0.04664129	2.47E-02	6.13E-03	4.74E-03
2553	565101.3	4222274	0.04750188	2.52E-02	6.24E-03	4.83E-03
2554	565102.4	4222283	0.04820364	2.56E-02	6.33E-03	4.90E-03
2555	565103.4	4222292	0.04873757	2.58E-02	6.40E-03	4.95E-03
2556	565105.6	4222310	0.049278	2.61E-02	6.47E-03	5.01E-03
2557	565106.7	4222319	0.04928483	2.61E-02	6.47E-03	5.01E-03
2558	565092	4222249	0.04342128	2.30E-02	5.70E-03	4.41E-03
2559	565097.3	4222231	0.04244598	2.25E-02	5.57E-03	4.31E-03
2560	565102.6	4222214	0.04081497	2.16E-02	5.36E-03	4.15E-03
2561	565107.9	4222197	0.0386901	2.05E-02	5.08E-03	3.93E-03
2562	565113.3	4222180	0.03614721	1.92E-02	4.75E-03	3.67E-03
2563	565118.6	4222163	0.03336238	1.77E-02	4.38E-03	3.39E-03
2564	565123.9	4222146	0.0304863	1.62E-02	4.00E-03	3.10E-03
2565	565129.2	4222129	0.0276501	1.47E-02	3.63E-03	2.81E-03
2566	565145.4	4222099	0.02330131	1.24E-02	3.06E-03	2.37E-03
2567	565169.9	4222088	0.02204319	1.17E-02	2.89E-03	2.24E-03
2568	565178	4222085	0.02159329	1.14E-02	2.84E-03	2.19E-03
2569	565194.4	4222077	0.02065777	1.10E-02	2.71E-03	2.10E-03
2570	565210.7	4222070	0.01967779	1.04E-02	2.58E-03	2.00E-03
2571	565218.9	4222066	0.01918962	1.02E-02	2.52E-03	1.95E-03
2572	565090.4	4222266	0.0445177	2.36E-02	5.85E-03	4.52E-03
2573	565091.5	4222275	0.04526268	2.40E-02	5.94E-03	4.60E-03
2574	565092.6	4222284	0.04586412	2.43E-02	6.02E-03	4.66E-03
2575	565095.9	4222311	0.04675246	2.48E-02	6.14E-03	4.75E-03
2576	565097	4222320	0.04674213	2.48E-02	6.14E-03	4.75E-03
2577	565092.8	4222216	0.03946559	2.09E-02	5.18E-03	4.01E-03
2578	565095.4	4222207	0.0385932	2.05E-02	5.07E-03	3.92E-03
2579	565106	4222173	0.03409631	1.81E-02	4.48E-03	3.47E-03
2580	565111.3	4222156	0.03148626	1.67E-02	4.14E-03	3.20E-03
2581	565116.6	4222139	0.02881599	1.53E-02	3.78E-03	2.93E-03
2582	565121.9	4222122	0.02619415	1.39E-02	3.44E-03	2.66E-03

2583	565127.2	4222105	0.02370223	1.26E-02	3.11E-03	2.41E-03
2584	565138	4222093	0.02217407	1.18E-02	2.91E-03	2.25E-03
2585	565146.1	4222089	0.02180228	1.16E-02	2.86E-03	2.22E-03
2586	565170.5	4222078	0.02057912	1.09E-02	2.70E-03	2.09E-03
2587	565186.7	4222071	0.01971485	1.05E-02	2.59E-03	2.00E-03
2588	565194.8	4222067	0.01927168	1.02E-02	2.53E-03	1.96E-03
2589	565211.1	4222060	0.01836507	9.74E-03	2.41E-03	1.87E-03
2590	565219.2	4222056	0.01791705	9.50E-03	2.35E-03	1.82E-03
2591	565086.1	4222312	0.04442108	2.36E-02	5.83E-03	4.51E-03
2592	565087.2	4222321	0.04439572	2.35E-02	5.83E-03	4.51E-03
2593	565072.4	4222251	0.03991877	2.12E-02	5.24E-03	4.06E-03
2594	565093.5	4222183	0.03451456	1.83E-02	4.53E-03	3.51E-03
2595	565098.8	4222166	0.03221836	1.71E-02	4.23E-03	3.27E-03
2596	565104	4222149	0.02977154	1.58E-02	3.91E-03	3.03E-03
2597	565109.3	4222132	0.02728702	1.45E-02	3.58E-03	2.77E-03
2598	565119.8	4222099	0.02255124	1.20E-02	2.96E-03	2.29E-03
2599	565130.5	4222086	0.02113266	1.12E-02	2.78E-03	2.15E-03
2600	565138.6	4222083	0.02078572	1.10E-02	2.73E-03	2.11E-03
2601	565171	4222068	0.01924118	1.02E-02	2.53E-03	1.96E-03
2602	565187.1	4222061	0.01842812	9.77E-03	2.42E-03	1.87E-03
2603	565195.2	4222057	0.01801539	9.55E-03	2.37E-03	1.83E-03
2604	565211.4	4222050	0.01717788	9.11E-03	2.26E-03	1.75E-03
2605	565219.5	4222046	0.01676736	8.89E-03	2.20E-03	1.70E-03
2606	565070.9	4222268	0.04069006	2.16E-02	5.34E-03	4.14E-03
2607	565072	4222277	0.04124642	2.19E-02	5.42E-03	4.19E-03
2608	565073.1	4222286	0.04168252	2.21E-02	5.47E-03	4.24E-03
2609	565076.3	4222313	0.04227048	2.24E-02	5.55E-03	4.30E-03
2610	565062.6	4222252	0.03834771	2.03E-02	5.04E-03	3.90E-03
2611	565067.9	4222235	0.03786886	2.01E-02	4.97E-03	3.85E-03
2612	565073.1	4222219	0.0369025	1.96E-02	4.85E-03	3.75E-03
2613	565083.6	4222185	0.03368453	1.79E-02	4.42E-03	3.42E-03
2614	565088.9	4222168	0.03160461	1.68E-02	4.15E-03	3.21E-03
2615	565094.1	4222151	0.02935535	1.56E-02	3.86E-03	2.98E-03
2616	565099.4	4222134	0.02703868	1.43E-02	3.55E-03	2.75E-03
2617	565109.8	4222100	0.02254153	1.20E-02	2.96E-03	2.29E-03
2618	565123.1	4222080	0.02016804	1.07E-02	2.65E-03	2.05E-03
2619	565131.2	4222076	0.01984261	1.05E-02	2.61E-03	2.02E-03
2620	565147.3	4222069	0.01914333	1.01E-02	2.51E-03	1.95E-03
2621	565179.5	4222054	0.01764109	9.35E-03	2.32E-03	1.79E-03
2622	565195.6	4222047	0.01687432	8.95E-03	2.22E-03	1.71E-03
2623	565211.7	4222040	0.0161033	8.54E-03	2.11E-03	1.64E-03
2624	565061.1	4222270	0.03898989	2.07E-02	5.12E-03	3.96E-03
2625	565062.2	4222279	0.03947239	2.09E-02	5.18E-03	4.01E-03
2626	565063.3	4222288	0.03984462	2.11E-02	5.23E-03	4.05E-03
2627	565064.4	4222297	0.0401028	2.13E-02	5.27E-03	4.08E-03
2628	565065.5	4222305	0.0402457	2.13E-02	5.29E-03	4.09E-03
2629	565066.6	4222314	0.04029635	2.14E-02	5.29E-03	4.10E-03

2630	565067.7	4222323	0.04023672	2.13E-02	5.28E-03	4.09E-03
2631	565052.9	4222254	0.03686363	1.95E-02	4.84E-03	3.75E-03
2632	565058.1	4222237	0.03650123	1.94E-02	4.79E-03	3.71E-03
2633	565063.3	4222220	0.03568755	1.89E-02	4.69E-03	3.63E-03
2634	565068.5	4222203	0.03445145	1.83E-02	4.52E-03	3.50E-03
2635	565079	4222169	0.03097372	1.64E-02	4.07E-03	3.15E-03
2636	565084.2	4222153	0.02890835	1.53E-02	3.80E-03	2.94E-03
2637	565089.4	4222136	0.02675376	1.42E-02	3.51E-03	2.72E-03
2638	565099.9	4222102	0.02249352	1.19E-02	2.95E-03	2.29E-03
2639	565105.1	4222085	0.02050411	1.09E-02	2.69E-03	2.08E-03
2640	565115.7	4222073	0.01927275	1.02E-02	2.53E-03	1.96E-03
2641	565131.8	4222066	0.01864751	9.89E-03	2.45E-03	1.90E-03
2642	565147.8	4222059	0.01797039	9.53E-03	2.36E-03	1.83E-03
2643	565179.9	4222044	0.016551	8.78E-03	2.17E-03	1.68E-03
2644	565195.9	4222037	0.01583864	8.40E-03	2.08E-03	1.61E-03
2645	565212	4222030	0.01512569	8.02E-03	1.99E-03	1.54E-03
2646	565051.3	4222271	0.03739301	1.98E-02	4.91E-03	3.80E-03
2647	565052.4	4222280	0.03781082	2.00E-02	4.97E-03	3.84E-03
2648	565053.5	4222289	0.03812734	2.02E-02	5.01E-03	3.87E-03
2649	565055.7	4222307	0.03844706	2.04E-02	5.05E-03	3.91E-03
2650	565056.8	4222316	0.03846366	2.04E-02	5.05E-03	3.91E-03
2651	565057.9	4222325	0.03837799	2.03E-02	5.04E-03	3.90E-03
2652	565043.1	4222255	0.03546253	1.88E-02	4.66E-03	3.60E-03
2653	565048.3	4222238	0.03519677	1.87E-02	4.62E-03	3.58E-03
2654	565053.5	4222221	0.03451921	1.83E-02	4.53E-03	3.51E-03
2655	565058.7	4222204	0.03344732	1.77E-02	4.39E-03	3.40E-03
2656	565069.1	4222171	0.03032946	1.61E-02	3.98E-03	3.08E-03
2657	565074.3	4222154	0.02843674	1.51E-02	3.73E-03	2.89E-03
2658	565079.5	4222137	0.02643628	1.40E-02	3.47E-03	2.69E-03
2659	565095.1	4222087	0.02050241	1.09E-02	2.69E-03	2.08E-03
2660	565108.3	4222067	0.01843984	9.78E-03	2.42E-03	1.87E-03
2661	565124.3	4222060	0.01785371	9.47E-03	2.34E-03	1.81E-03
2662	565140.3	4222052	0.01722005	9.13E-03	2.26E-03	1.75E-03
2663	565172.3	4222038	0.01588754	8.42E-03	2.09E-03	1.61E-03
2664	565188.2	4222031	0.01522029	8.07E-03	2.00E-03	1.55E-03
2665	565204.2	4222024	0.01455796	7.72E-03	1.91E-03	1.48E-03
2666	565041.6	4222272	0.03589255	1.90E-02	4.71E-03	3.65E-03
2667	565042.7	4222281	0.03625369	1.92E-02	4.76E-03	3.68E-03
2668	565043.8	4222290	0.03652151	1.94E-02	4.80E-03	3.71E-03
2669	565044.8	4222299	0.03669405	1.95E-02	4.82E-03	3.73E-03
2670	565045.9	4222308	0.03677073	1.95E-02	4.83E-03	3.74E-03
2671	565047	4222317	0.03675558	1.95E-02	4.83E-03	3.74E-03
2672	565048.1	4222326	0.03664851	1.94E-02	4.81E-03	3.72E-03
2673	565033.3	4222256	0.03413577	1.81E-02	4.48E-03	3.47E-03
2674	565038.5	4222239	0.0339551	1.80E-02	4.46E-03	3.45E-03
2675	565043.7	4222223	0.03339544	1.77E-02	4.39E-03	3.39E-03
2676	565048.9	4222206	0.03246732	1.72E-02	4.26E-03	3.30E-03

2677	565059.3	4222172	0.02967924	1.57E-02	3.90E-03	3.02E-03
2678	565064.4	4222156	0.0279466	1.48E-02	3.67E-03	2.84E-03
2679	565069.6	4222139	0.02609318	1.38E-02	3.43E-03	2.65E-03
2680	565074.8	4222122	0.02419003	1.28E-02	3.18E-03	2.46E-03
2681	565090.4	4222072	0.01874017	9.94E-03	2.46E-03	1.90E-03
2682	565100.9	4222060	0.01766353	9.37E-03	2.32E-03	1.80E-03
2683	565116.9	4222053	0.01711225	9.07E-03	2.25E-03	1.74E-03
2684	565132.8	4222046	0.01651934	8.76E-03	2.17E-03	1.68E-03
2685	565148.7	4222039	0.01589787	8.43E-03	2.09E-03	1.62E-03
2686	565180.6	4222024	0.01463999	7.76E-03	1.92E-03	1.49E-03
2687	565196.5	4222017	0.01402005	7.43E-03	1.84E-03	1.42E-03
2688	565212.4	4222010	0.01342501	7.12E-03	1.76E-03	1.36E-03
2689	565031.8	4222273	0.03448225	1.83E-02	4.53E-03	3.50E-03
2690	565032.9	4222282	0.03479358	1.84E-02	4.57E-03	3.54E-03
2691	565034	4222291	0.03501892	1.86E-02	4.60E-03	3.56E-03
2692	565035.1	4222300	0.03515674	1.86E-02	4.62E-03	3.57E-03
2693	565036.2	4222309	0.03520688	1.87E-02	4.62E-03	3.58E-03
2694	565037.3	4222318	0.03516973	1.86E-02	4.62E-03	3.57E-03
2695	565038.4	4222327	0.03504703	1.86E-02	4.60E-03	3.56E-03
2696	565023.5	4222257	0.03288061	1.74E-02	4.32E-03	3.34E-03
2697	565028.7	4222241	0.03277241	1.74E-02	4.30E-03	3.33E-03
2698	565033.9	4222224	0.03231524	1.71E-02	4.24E-03	3.28E-03
2699	565039.1	4222207	0.03151606	1.67E-02	4.14E-03	3.20E-03
2700	565049.4	4222174	0.02902465	1.54E-02	3.81E-03	2.95E-03
2701	565054.6	4222157	0.02744332	1.46E-02	3.60E-03	2.79E-03
2702	565059.7	4222141	0.02572879	1.36E-02	3.38E-03	2.61E-03
2703	565064.9	4222124	0.02394731	1.27E-02	3.14E-03	2.43E-03
2704	565075.3	4222091	0.02041226	1.08E-02	2.68E-03	2.07E-03
2705	565093.5	4222054	0.01693761	8.98E-03	2.22E-03	1.72E-03
2706	565109.4	4222047	0.01641955	8.71E-03	2.16E-03	1.67E-03
2707	565125.3	4222040	0.01586295	8.41E-03	2.08E-03	1.61E-03
2708	565141.2	4222032	0.01528131	8.10E-03	2.01E-03	1.55E-03
2709	565172.9	4222018	0.0140966	7.47E-03	1.85E-03	1.43E-03
2710	565188.8	4222011	0.01351305	7.16E-03	1.77E-03	1.37E-03
2711	565204.7	4222004	0.01295365	6.87E-03	1.70E-03	1.32E-03
2712	565022	4222274	0.03315197	1.76E-02	4.35E-03	3.37E-03
2713	565023.1	4222283	0.03341959	1.77E-02	4.39E-03	3.40E-03
2714	565024.2	4222292	0.03360765	1.78E-02	4.41E-03	3.42E-03
2715	565025.3	4222301	0.03371527	1.79E-02	4.43E-03	3.43E-03
2716	565027.5	4222319	0.03368964	1.79E-02	4.42E-03	3.42E-03
2717	565028.6	4222328	0.0335587	1.78E-02	4.41E-03	3.41E-03
2718	565013.8	4222258	0.03169011	1.68E-02	4.16E-03	3.22E-03
2719	565018.9	4222242	0.03164487	1.68E-02	4.16E-03	3.22E-03
2720	565024.1	4222225	0.03127867	1.66E-02	4.11E-03	3.18E-03
2721	565029.2	4222209	0.03059208	1.62E-02	4.02E-03	3.11E-03
2722	565039.6	4222175	0.02837179	1.50E-02	3.73E-03	2.88E-03
2723	565044.7	4222159	0.02692806	1.43E-02	3.54E-03	2.74E-03

2724	565049.9	4222142	0.02534427	1.34E-02	3.33E-03	2.58E-03
2725	565055	4222126	0.02368012	1.26E-02	3.11E-03	2.41E-03
2726	565065.3	4222092	0.02032872	1.08E-02	2.67E-03	2.07E-03
2727	565070.5	4222076	0.01872562	9.93E-03	2.46E-03	1.90E-03
2728	565075.6	4222059	0.01720911	9.12E-03	2.26E-03	1.75E-03
2729	565102	4222040	0.01577022	8.36E-03	2.07E-03	1.60E-03
2730	565117.8	4222033	0.01524699	8.08E-03	2.00E-03	1.55E-03
2731	565133.6	4222026	0.01470107	7.79E-03	1.93E-03	1.49E-03
2732	565149.5	4222019	0.01414466	7.50E-03	1.86E-03	1.44E-03
2733	565181.1	4222004	0.01303821	6.91E-03	1.71E-03	1.33E-03
2734	565197	4221997	0.0125087	6.63E-03	1.64E-03	1.27E-03
2735	565012.3	4222276	0.03189735	1.69E-02	4.19E-03	3.24E-03
2736	565013.4	4222285	0.03212618	1.70E-02	4.22E-03	3.26E-03
2737	565014.5	4222294	0.03228157	1.71E-02	4.24E-03	3.28E-03
2738	565015.5	4222302	0.03236282	1.72E-02	4.25E-03	3.29E-03
2739	565016.6	4222311	0.03237011	1.72E-02	4.25E-03	3.29E-03
2740	565004.1	4222259	0.03056521	1.62E-02	4.01E-03	3.11E-03
2741	565006.8	4222251	0.03060273	1.62E-02	4.02E-03	3.11E-03
2742	565012.1	4222233	0.03044076	1.61E-02	4.00E-03	3.09E-03
2743	565017.4	4222216	0.02995708	1.59E-02	3.93E-03	3.04E-03
2744	565033.5	4222165	0.02677714	1.42E-02	3.52E-03	2.72E-03
2745	565038.8	4222148	0.02529311	1.34E-02	3.32E-03	2.57E-03
2746	565044.1	4222130	0.02369612	1.26E-02	3.11E-03	2.41E-03
2747	565054.8	4222096	0.02040225	1.08E-02	2.68E-03	2.07E-03
2748	565060.2	4222079	0.01880023	9.97E-03	2.47E-03	1.91E-03
2749	565062.8	4222070	0.01802496	9.56E-03	2.37E-03	1.83E-03
2750	565068.2	4222053	0.01654352	8.77E-03	2.17E-03	1.68E-03
2751	565095.4	4222033	0.01513392	8.02E-03	1.99E-03	1.54E-03
2752	565103.6	4222030	0.01488117	7.89E-03	1.95E-03	1.51E-03
2753	565120	4222022	0.01435526	7.61E-03	1.89E-03	1.46E-03
2754	565136.4	4222015	0.01381467	7.32E-03	1.81E-03	1.40E-03
2755	565152.8	4222007	0.01326896	7.04E-03	1.74E-03	1.35E-03
2756	565177.4	4221996	0.0124648	6.61E-03	1.64E-03	1.27E-03
2757	565193.8	4221989	0.01194979	6.34E-03	1.57E-03	1.21E-03
2758	565202	4221985	0.01170575	6.21E-03	1.54E-03	1.19E-03
2759	565002.5	4222277	0.03071371	1.63E-02	4.03E-03	3.12E-03
2760	565003.6	4222286	0.03090836	1.64E-02	4.06E-03	3.14E-03
2761	565005.8	4222304	0.03109333	1.65E-02	4.08E-03	3.16E-03
2762	565006.9	4222313	0.03108327	1.65E-02	4.08E-03	3.16E-03
2763	564994.3	4222260	0.02949483	1.56E-02	3.87E-03	3.00E-03
2764	564999.6	4222243	0.02954034	1.57E-02	3.88E-03	3.00E-03
2765	565005	4222226	0.02929227	1.55E-02	3.85E-03	2.98E-03
2766	565015.6	4222192	0.0279228	1.48E-02	3.67E-03	2.84E-03
2767	565020.9	4222175	0.02684793	1.42E-02	3.53E-03	2.73E-03
2768	565026.2	4222158	0.02556934	1.36E-02	3.36E-03	2.60E-03
2769	565028.9	4222149	0.02487065	1.32E-02	3.27E-03	2.53E-03
2770	565034.2	4222132	0.02339023	1.24E-02	3.07E-03	2.38E-03

2771	565044.9	4222098	0.02028689	1.08E-02	2.66E-03	2.06E-03
2772	565050.2	4222081	0.01875553	9.94E-03	2.46E-03	1.91E-03
2773	565055.5	4222064	0.01728326	9.16E-03	2.27E-03	1.76E-03
2774	565060.8	4222046	0.0158923	8.43E-03	2.09E-03	1.62E-03
2775	565071.6	4222034	0.01501926	7.96E-03	1.97E-03	1.53E-03
2776	565096.1	4222023	0.01432673	7.60E-03	1.88E-03	1.46E-03
2777	565112.5	4222016	0.0138322	7.33E-03	1.82E-03	1.41E-03
2778	565120.7	4222012	0.01357935	7.20E-03	1.78E-03	1.38E-03
2779	565137	4222005	0.01306726	6.93E-03	1.72E-03	1.33E-03
2780	565153.3	4221997	0.01255644	6.66E-03	1.65E-03	1.28E-03
2781	565177.8	4221986	0.01180866	6.26E-03	1.55E-03	1.20E-03
2782	565194.2	4221979	0.01133235	6.01E-03	1.49E-03	1.15E-03
2783	565202.3	4221975	0.01110757	5.89E-03	1.46E-03	1.13E-03
2784	564992.7	4222278	0.02959341	1.57E-02	3.89E-03	3.01E-03
2785	564993.8	4222287	0.02975783	1.58E-02	3.91E-03	3.02E-03
2786	564994.9	4222296	0.02985909	1.58E-02	3.92E-03	3.03E-03
2787	564996	4222305	0.02989729	1.59E-02	3.93E-03	3.04E-03
2788	564984.5	4222262	0.02847878	1.51E-02	3.74E-03	2.89E-03
2789	564989.8	4222245	0.02856614	1.51E-02	3.75E-03	2.90E-03
2790	565005.7	4222193	0.02720251	1.44E-02	3.57E-03	2.76E-03
2791	565011	4222176	0.02624058	1.39E-02	3.45E-03	2.67E-03
2792	565016.3	4222159	0.02507851	1.33E-02	3.29E-03	2.55E-03
2793	565021.6	4222142	0.02376522	1.26E-02	3.12E-03	2.42E-03
2794	565026.9	4222125	0.02235067	1.19E-02	2.94E-03	2.27E-03
2795	565037.6	4222091	0.01941471	1.03E-02	2.55E-03	1.97E-03
2796	565042.9	4222074	0.01797319	9.53E-03	2.36E-03	1.83E-03
2797	565048.2	4222057	0.01658895	8.80E-03	2.18E-03	1.69E-03
2798	565053.5	4222040	0.01528126	8.10E-03	2.01E-03	1.55E-03
2799	565064.2	4222028	0.0144583	7.67E-03	1.90E-03	1.47E-03
2800	565104.9	4222009	0.0133394	7.07E-03	1.75E-03	1.36E-03
2801	565113.1	4222006	0.01310113	6.95E-03	1.72E-03	1.33E-03
2802	565129.4	4221998	0.01261927	6.69E-03	1.66E-03	1.28E-03
2803	565137.5	4221995	0.01237793	6.56E-03	1.63E-03	1.26E-03
2804	565170	4221980	0.01143227	6.06E-03	1.50E-03	1.16E-03
2805	565178.2	4221976	0.01120467	5.94E-03	1.47E-03	1.14E-03
2806	565194.5	4221969	0.0107645	5.71E-03	1.41E-03	1.09E-03
2807	565202.6	4221965	0.01055535	5.60E-03	1.39E-03	1.07E-03
2808	564983	4222279	0.02853309	1.51E-02	3.75E-03	2.90E-03
2809	564984.1	4222288	0.02867069	1.52E-02	3.77E-03	2.91E-03
2810	564987.3	4222315	0.0287325	1.52E-02	3.77E-03	2.92E-03
2811	564988.4	4222324	0.02863804	1.52E-02	3.76E-03	2.91E-03
2812	564989.5	4222333	0.02848752	1.51E-02	3.74E-03	2.90E-03
2813	564975.2	4222230	0.02664279	1.41E-02	3.50E-03	2.71E-03
2814	564985.8	4222196	0.02578506	1.37E-02	3.39E-03	2.62E-03
2815	564991	4222179	0.02502073	1.33E-02	3.29E-03	2.54E-03
2816	564996.3	4222162	0.02406695	1.28E-02	3.16E-03	2.45E-03
2817	565001.6	4222145	0.02295857	1.22E-02	3.02E-03	2.33E-03

2818	565006.9	4222128	0.02173974	1.15E-02	2.86E-03	2.21E-03
2819	565017.4	4222095	0.0191319	1.01E-02	2.51E-03	1.94E-03
2820	565022.7	4222078	0.01781907	9.45E-03	2.34E-03	1.81E-03
2821	565027.9	4222061	0.01653793	8.77E-03	2.17E-03	1.68E-03
2822	565033.2	4222044	0.01531093	8.12E-03	2.01E-03	1.56E-03
2823	565038.5	4222027	0.01414956	7.50E-03	1.86E-03	1.44E-03
2824	565049.2	4222015	0.0134177	7.11E-03	1.76E-03	1.36E-03
2825	565065.4	4222007	0.01303334	6.91E-03	1.71E-03	1.32E-03
2826	565089.7	4221996	0.01241467	6.58E-03	1.63E-03	1.26E-03
2827	565105.9	4221989	0.01199182	6.36E-03	1.57E-03	1.22E-03
2828	565114	4221985	0.01177706	6.24E-03	1.55E-03	1.20E-03
2829	565130.2	4221978	0.01134838	6.02E-03	1.49E-03	1.15E-03
2830	565138.2	4221974	0.011136	5.90E-03	1.46E-03	1.13E-03
2831	565170.6	4221960	0.01031581	5.47E-03	1.35E-03	1.05E-03
2832	565186.8	4221952	0.009929416	5.26E-03	1.30E-03	1.01E-03
2833	565194.9	4221949	0.009743345	5.17E-03	1.28E-03	9.90E-04
2834	564964.2	4222291	0.02663841	1.41E-02	3.50E-03	2.71E-03
2835	564965.3	4222300	0.02667993	1.41E-02	3.50E-03	2.71E-03
2836	564966.4	4222308	0.02666931	1.41E-02	3.50E-03	2.71E-03
2837	564967.5	4222317	0.02660277	1.41E-02	3.49E-03	2.70E-03
2838	564968.6	4222326	0.0264883	1.40E-02	3.48E-03	2.69E-03
2839	564969.7	4222335	0.0263282	1.40E-02	3.46E-03	2.68E-03
2840	564950.1	4222250	0.02503302	1.33E-02	3.29E-03	2.54E-03
2841	564955.3	4222233	0.02504091	1.33E-02	3.29E-03	2.54E-03
2842	564960.5	4222216	0.02484281	1.32E-02	3.26E-03	2.52E-03
2843	564971	4222182	0.02383946	1.26E-02	3.13E-03	2.42E-03
2844	564976.3	4222165	0.02306058	1.22E-02	3.03E-03	2.34E-03
2845	564981.5	4222148	0.02213241	1.17E-02	2.91E-03	2.25E-03
2846	564986.8	4222132	0.02108704	1.12E-02	2.77E-03	2.14E-03
2847	564997.3	4222098	0.01878574	9.96E-03	2.47E-03	1.91E-03
2848	565013	4222047	0.0152776	8.10E-03	2.01E-03	1.55E-03
2849	565018.3	4222030	0.01417957	7.52E-03	1.86E-03	1.44E-03
2850	565023.5	4222013	0.01313945	6.97E-03	1.73E-03	1.34E-03
2851	565034.2	4222001	0.01248441	6.62E-03	1.64E-03	1.27E-03
2852	565042.2	4221998	0.0123162	6.53E-03	1.62E-03	1.25E-03
2853	565058.4	4221990	0.01195686	6.34E-03	1.57E-03	1.22E-03
2854	565074.5	4221983	0.01158127	6.14E-03	1.52E-03	1.18E-03
2855	565090.6	4221976	0.01120644	5.94E-03	1.47E-03	1.14E-03
2856	565098.6	4221972	0.01101908	5.84E-03	1.45E-03	1.12E-03
2857	565114.7	4221965	0.01063787	5.64E-03	1.40E-03	1.08E-03
2858	565122.8	4221961	0.01044777	5.54E-03	1.37E-03	1.06E-03
2859	565138.9	4221954	0.01007364	5.34E-03	1.32E-03	1.02E-03
2860	565171.1	4221939	0.009362058	4.96E-03	1.23E-03	9.51E-04
2861	565179.2	4221936	0.009193819	4.87E-03	1.21E-03	9.34E-04
2862	564944.4	4222293	0.02480803	1.32E-02	3.26E-03	2.52E-03
2863	564945.5	4222302	0.02481785	1.32E-02	3.26E-03	2.52E-03
2864	564946.5	4222311	0.02478146	1.31E-02	3.25E-03	2.52E-03

2865	564947.6	4222320	0.02469795	1.31E-02	3.24E-03	2.51E-03
2866	564948.7	4222329	0.0245715	1.30E-02	3.23E-03	2.50E-03
2867	564924.9	4222269	0.02325645	1.23E-02	3.05E-03	2.36E-03
2868	564930.2	4222252	0.02349413	1.25E-02	3.09E-03	2.39E-03
2869	564935.4	4222235	0.02356479	1.25E-02	3.09E-03	2.39E-03
2870	564940.6	4222219	0.02345672	1.24E-02	3.08E-03	2.38E-03
2871	564945.8	4222202	0.02316328	1.23E-02	3.04E-03	2.35E-03
2872	564956.3	4222168	0.02207385	1.17E-02	2.90E-03	2.24E-03
2873	564961.5	4222151	0.02130073	1.13E-02	2.80E-03	2.16E-03
2874	564966.7	4222135	0.02040809	1.08E-02	2.68E-03	2.07E-03
2875	564977.2	4222101	0.01838839	9.75E-03	2.41E-03	1.87E-03
2876	564982.4	4222084	0.01731952	9.18E-03	2.27E-03	1.76E-03
2877	564987.6	4222067	0.01624564	8.61E-03	2.13E-03	1.65E-03
2878	564992.9	4222051	0.01518734	8.05E-03	1.99E-03	1.54E-03
2879	564998.1	4222034	0.0141608	7.51E-03	1.86E-03	1.44E-03
2880	565019.2	4221988	0.01165016	6.18E-03	1.53E-03	1.18E-03
2881	565035.2	4221981	0.01133781	6.01E-03	1.49E-03	1.15E-03
2882	565043.2	4221977	0.01117435	5.92E-03	1.47E-03	1.14E-03
2883	565059.3	4221970	0.01083955	5.75E-03	1.42E-03	1.10E-03
2884	565075.3	4221963	0.0104986	5.57E-03	1.38E-03	1.07E-03
2885	565091.4	4221955	0.01016226	5.39E-03	1.33E-03	1.03E-03
2886	565107.4	4221948	0.009824358	5.21E-03	1.29E-03	9.98E-04
2887	565123.4	4221941	0.009487208	5.03E-03	1.25E-03	9.64E-04
2888	565139.5	4221934	0.009159579	4.86E-03	1.20E-03	9.31E-04
2889	565155.5	4221926	0.008844055	4.69E-03	1.16E-03	8.99E-04
2890	565171.6	4221919	0.008541871	4.53E-03	1.12E-03	8.68E-04
2891	564923.4	4222286	0.02313178	1.23E-02	3.04E-03	2.35E-03
2892	564926.7	4222313	0.02307731	1.22E-02	3.03E-03	2.35E-03
2893	564928.9	4222331	0.02287107	1.21E-02	3.00E-03	2.32E-03
2894	564930	4222340	0.02270913	1.20E-02	2.98E-03	2.31E-03
2895	564905.2	4222271	0.02180766	1.16E-02	2.86E-03	2.22E-03
2896	564907.8	4222263	0.02196126	1.16E-02	2.88E-03	2.23E-03
2897	564913.2	4222245	0.02215844	1.17E-02	2.91E-03	2.25E-03
2898	564918.5	4222228	0.02219572	1.18E-02	2.91E-03	2.26E-03
2899	564923.9	4222211	0.02205981	1.17E-02	2.90E-03	2.24E-03
2900	564929.2	4222194	0.02174162	1.15E-02	2.86E-03	2.21E-03
2901	564931.9	4222185	0.02152379	1.14E-02	2.83E-03	2.19E-03
2902	564937.3	4222168	0.0209875	1.11E-02	2.76E-03	2.13E-03
2903	564942.6	4222151	0.02030959	1.08E-02	2.67E-03	2.06E-03
2904	564948	4222133	0.01951364	1.03E-02	2.56E-03	1.98E-03
2905	564958.7	4222099	0.01766898	9.37E-03	2.32E-03	1.80E-03
2906	564964	4222082	0.01667695	8.84E-03	2.19E-03	1.69E-03
2907	564966.7	4222073	0.01617463	8.58E-03	2.12E-03	1.64E-03
2908	564972.1	4222056	0.01517314	8.04E-03	1.99E-03	1.54E-03
2909	564977.4	4222039	0.01418877	7.52E-03	1.86E-03	1.44E-03
2910	564982.8	4222022	0.0132284	7.01E-03	1.74E-03	1.34E-03
2911	564988.1	4222004	0.01231052	6.53E-03	1.62E-03	1.25E-03

2912	564990.8	4221996	0.01187509	6.30E-03	1.56E-03	1.21E-03
2913	565020.8	4221967	0.0106149	5.63E-03	1.39E-03	1.08E-03
2914	565029	4221964	0.01046331	5.55E-03	1.37E-03	1.06E-03
2915	565045.5	4221956	0.01014868	5.38E-03	1.33E-03	1.03E-03
2916	565061.9	4221949	0.009830867	5.21E-03	1.29E-03	9.99E-04
2917	565103	4221930	0.009048146	4.80E-03	1.19E-03	9.20E-04
2918	565119.4	4221923	0.008739937	4.63E-03	1.15E-03	8.88E-04
2919	565144.1	4221912	0.008296142	4.40E-03	1.09E-03	8.43E-04
2920	565160.5	4221904	0.00801752	4.25E-03	1.05E-03	8.15E-04
2921	564903.6	4222289	0.02165421	1.15E-02	2.84E-03	2.20E-03
2922	564904.7	4222298	0.0216565	1.15E-02	2.84E-03	2.20E-03
2923	564885.3	4222274	0.02049018	1.09E-02	2.69E-03	2.08E-03
2924	564890.6	4222257	0.02077162	1.10E-02	2.73E-03	2.11E-03
2925	564895.9	4222239	0.02092453	1.11E-02	2.75E-03	2.13E-03
2926	564901.3	4222222	0.0209383	1.11E-02	2.75E-03	2.13E-03
2927	564903.9	4222214	0.02088959	1.11E-02	2.74E-03	2.12E-03
2928	564909.3	4222197	0.02067106	1.10E-02	2.71E-03	2.10E-03
2929	564914.6	4222179	0.02030534	1.08E-02	2.67E-03	2.06E-03
2930	564919.9	4222162	0.01980786	1.05E-02	2.60E-03	2.01E-03
2931	564922.6	4222154	0.01951152	1.03E-02	2.56E-03	1.98E-03
2932	564927.9	4222137	0.01883945	9.99E-03	2.47E-03	1.91E-03
2933	564941.2	4222094	0.01681338	8.91E-03	2.21E-03	1.71E-03
2934	564946.5	4222077	0.01591328	8.44E-03	2.09E-03	1.62E-03
2935	564951.9	4222059	0.01499971	7.95E-03	1.97E-03	1.52E-03
2936	564957.2	4222042	0.01409063	7.47E-03	1.85E-03	1.43E-03
2937	564962.5	4222025	0.01319505	7.00E-03	1.73E-03	1.34E-03
2938	564967.9	4222008	0.01232731	6.54E-03	1.62E-03	1.25E-03
2939	564973.2	4221991	0.0115075	6.10E-03	1.51E-03	1.17E-03
2940	564978.5	4221974	0.01073314	5.69E-03	1.41E-03	1.09E-03
2941	564989.4	4221961	0.01023752	5.43E-03	1.34E-03	1.04E-03
2942	565022.1	4221947	0.009702032	5.14E-03	1.27E-03	9.86E-04
2943	565038.4	4221939	0.009412354	4.99E-03	1.24E-03	9.57E-04
2944	565046.6	4221936	0.009267785	4.91E-03	1.22E-03	9.42E-04
2945	565063	4221928	0.008980986	4.76E-03	1.18E-03	9.13E-04
2946	565079.3	4221921	0.008695585	4.61E-03	1.14E-03	8.84E-04
2947	565128.4	4221899	0.00786515	4.17E-03	1.03E-03	7.99E-04
2948	565144.7	4221891	0.007610627	4.04E-03	1.00E-03	7.73E-04
2949	564882.6	4222282	0.02030486	1.08E-02	2.67E-03	2.06E-03
2950	564883.7	4222291	0.02032261	1.08E-02	2.67E-03	2.07E-03
2951	564890.3	4222345	0.01979611	1.05E-02	2.60E-03	2.01E-03
2952	564865.4	4222276	0.01929871	1.02E-02	2.53E-03	1.96E-03
2953	564870.7	4222259	0.0195896	1.04E-02	2.57E-03	1.99E-03
2954	564886.6	4222208	0.01974511	1.05E-02	2.59E-03	2.01E-03
2955	564891.9	4222191	0.01953871	1.04E-02	2.57E-03	1.99E-03
2956	564897.2	4222174	0.01920465	1.02E-02	2.52E-03	1.95E-03
2957	564902.5	4222157	0.01874636	9.94E-03	2.46E-03	1.91E-03
2958	564907.8	4222140	0.01817924	9.64E-03	2.39E-03	1.85E-03

2959	564913.2	4222123	0.01752143	9.29E-03	2.30E-03	1.78E-03
2960	564923.8	4222088	0.01602175	8.49E-03	2.10E-03	1.63E-03
2961	564939.7	4222037	0.01352857	7.17E-03	1.78E-03	1.37E-03
2962	564942.3	4222029	0.01311613	6.95E-03	1.72E-03	1.33E-03
2963	564947.6	4222012	0.01230504	6.52E-03	1.62E-03	1.25E-03
2964	564952.9	4221995	0.01152627	6.11E-03	1.51E-03	1.17E-03
2965	564958.2	4221978	0.01078494	5.72E-03	1.42E-03	1.10E-03
2966	564963.5	4221960	0.01008313	5.35E-03	1.32E-03	1.02E-03
2967	564974.3	4221948	0.009631643	5.11E-03	1.26E-03	9.79E-04
2968	564982.5	4221945	0.009511791	5.04E-03	1.25E-03	9.67E-04
2969	564998.8	4221937	0.009269775	4.91E-03	1.22E-03	9.42E-04
2970	565015	4221930	0.009018184	4.78E-03	1.18E-03	9.16E-04
2971	565023.2	4221926	0.008887116	4.71E-03	1.17E-03	9.03E-04
2972	565039.5	4221919	0.008624685	4.57E-03	1.13E-03	8.76E-04
2973	565047.6	4221915	0.008493269	4.50E-03	1.12E-03	8.63E-04
2974	565063.9	4221908	0.008228821	4.36E-03	1.08E-03	8.36E-04
2975	565072	4221904	0.008097457	4.29E-03	1.06E-03	8.23E-04
2976	565088.3	4221897	0.007839975	4.16E-03	1.03E-03	7.97E-04
2977	565112.7	4221886	0.007468398	3.96E-03	9.81E-04	7.59E-04
2978	565129	4221878	0.007234934	3.84E-03	9.50E-04	7.35E-04
2979	565137.2	4221875	0.007122479	3.78E-03	9.35E-04	7.24E-04
2980	564866	4222312	0.0190345	1.01E-02	2.50E-03	1.93E-03
2981	564867.1	4222321	0.01894994	1.00E-02	2.49E-03	1.93E-03
2982	564868.2	4222330	0.01884042	9.99E-03	2.47E-03	1.91E-03
2983	564869.3	4222338	0.01871024	9.92E-03	2.46E-03	1.90E-03
2984	564856.1	4222245	0.0186924	9.91E-03	2.45E-03	1.90E-03
2985	564861.4	4222228	0.01878818	9.96E-03	2.47E-03	1.91E-03
2986	564877.2	4222177	0.01835337	9.73E-03	2.41E-03	1.87E-03
2987	564882.5	4222160	0.01798986	9.54E-03	2.36E-03	1.83E-03
2988	564887.8	4222143	0.01752479	9.29E-03	2.30E-03	1.78E-03
2989	564893.1	4222126	0.01696432	8.99E-03	2.23E-03	1.72E-03
2990	564903.7	4222092	0.01563834	8.29E-03	2.05E-03	1.59E-03
2991	564908.9	4222075	0.01490772	7.90E-03	1.96E-03	1.52E-03
2992	564914.2	4222058	0.01414991	7.50E-03	1.86E-03	1.44E-03
2993	564919.5	4222041	0.01337889	7.09E-03	1.76E-03	1.36E-03
2994	564924.8	4222024	0.01261798	6.69E-03	1.66E-03	1.28E-03
2995	564940.6	4221973	0.01045888	5.55E-03	1.37E-03	1.06E-03
2996	564945.9	4221956	0.009805718	5.20E-03	1.29E-03	9.97E-04
2997	564959.3	4221935	0.009078782	4.81E-03	1.19E-03	9.23E-04
2998	564975.5	4221928	0.008858363	4.70E-03	1.16E-03	9.00E-04
2999	564991.7	4221920	0.008632593	4.58E-03	1.13E-03	8.77E-04
3000	564999.9	4221917	0.008517502	4.52E-03	1.12E-03	8.66E-04
3001	565016.1	4221909	0.008281457	4.39E-03	1.09E-03	8.42E-04
3002	565024.2	4221906	0.008160233	4.33E-03	1.07E-03	8.29E-04
3003	565040.4	4221898	0.007918056	4.20E-03	1.04E-03	8.05E-04
3004	565048.5	4221895	0.007797478	4.13E-03	1.02E-03	7.92E-04
3005	565064.7	4221887	0.007559496	4.01E-03	9.93E-04	7.68E-04

3006	565072.8	4221884	0.007443115	3.95E-03	9.78E-04	7.56E-04
3007	565097.2	4221873	0.007105939	3.77E-03	9.33E-04	7.22E-04
3008	565113.4	4221865	0.006891491	3.65E-03	9.05E-04	7.00E-04
3009	565121.5	4221862	0.006787482	3.60E-03	8.91E-04	6.90E-04
3010	564844	4222296	0.01799252	9.54E-03	2.36E-03	1.83E-03
3011	564845.1	4222305	0.01795858	9.52E-03	2.36E-03	1.83E-03
3012	564846.2	4222314	0.01789895	9.49E-03	2.35E-03	1.82E-03
3013	564847.3	4222323	0.0178166	9.45E-03	2.34E-03	1.81E-03
3014	564848.4	4222332	0.01771269	9.39E-03	2.33E-03	1.80E-03
3015	564849.5	4222341	0.01759058	9.33E-03	2.31E-03	1.79E-03
3016	564850.5	4222350	0.01745206	9.25E-03	2.29E-03	1.77E-03
3017	564825.7	4222281	0.01717385	9.11E-03	2.26E-03	1.75E-03
3018	564836.2	4222247	0.01768421	9.38E-03	2.32E-03	1.80E-03
3019	564841.5	4222230	0.01780855	9.44E-03	2.34E-03	1.81E-03
3020	564846.7	4222213	0.01783055	9.45E-03	2.34E-03	1.81E-03
3021	564857.3	4222179	0.01754262	9.30E-03	2.30E-03	1.78E-03
3022	564862.5	4222163	0.01724942	9.15E-03	2.27E-03	1.75E-03
3023	564867.8	4222146	0.01687139	8.95E-03	2.22E-03	1.71E-03
3024	564873.1	4222129	0.01640678	8.70E-03	2.15E-03	1.67E-03
3025	564883.6	4222095	0.01524447	8.08E-03	2.00E-03	1.55E-03
3026	564888.8	4222078	0.01458824	7.73E-03	1.92E-03	1.48E-03
3027	564894.1	4222061	0.01390383	7.37E-03	1.83E-03	1.41E-03
3028	564899.4	4222044	0.01320481	7.00E-03	1.73E-03	1.34E-03
3029	564904.6	4222027	0.01250205	6.63E-03	1.64E-03	1.27E-03
3030	564909.9	4222010	0.0118074	6.26E-03	1.55E-03	1.20E-03
3031	564915.2	4221993	0.01112244	5.90E-03	1.46E-03	1.13E-03
3032	564920.4	4221976	0.0104589	5.55E-03	1.37E-03	1.06E-03
3033	564925.7	4221959	0.009831781	5.21E-03	1.29E-03	9.99E-04
3034	564944.3	4221922	0.008572156	4.54E-03	1.13E-03	8.71E-04
3035	564952.4	4221918	0.008470514	4.49E-03	1.11E-03	8.61E-04
3036	564968.5	4221911	0.00826731	4.38E-03	1.09E-03	8.40E-04
3037	564976.6	4221907	0.008163838	4.33E-03	1.07E-03	8.30E-04
3038	564992.8	4221900	0.007951166	4.22E-03	1.04E-03	8.08E-04
3039	565000.8	4221896	0.007842395	4.16E-03	1.03E-03	7.97E-04
3040	565017	4221889	0.007621897	4.04E-03	1.00E-03	7.75E-04
3041	565033.2	4221882	0.007400968	3.92E-03	9.72E-04	7.52E-04
3042	565049.3	4221874	0.007183427	3.81E-03	9.43E-04	7.30E-04
3043	565057.4	4221871	0.007077616	3.75E-03	9.30E-04	7.19E-04
3044	565081.6	4221860	0.006770321	3.59E-03	8.89E-04	6.88E-04
3045	565097.8	4221852	0.006571501	3.48E-03	8.63E-04	6.68E-04
3046	565105.9	4221849	0.006474861	3.43E-03	8.50E-04	6.58E-04
3047	564824.2	4222299	0.01697435	9.00E-03	2.23E-03	1.73E-03
3048	564825.2	4222307	0.01693124	8.98E-03	2.22E-03	1.72E-03
3049	564826.3	4222316	0.01686878	8.94E-03	2.22E-03	1.71E-03
3050	564827.4	4222325	0.01678742	8.90E-03	2.20E-03	1.71E-03
3051	564828.5	4222334	0.01668801	8.85E-03	2.19E-03	1.70E-03
3052	564829.6	4222343	0.01657104	8.79E-03	2.18E-03	1.68E-03

3053	564805.8	4222284	0.01625226	8.62E-03	2.13E-03	1.65E-03
3054	564811.1	4222267	0.01654637	8.77E-03	2.17E-03	1.68E-03
3055	564821.6	4222233	0.01690698	8.96E-03	2.22E-03	1.72E-03
3056	564826.8	4222216	0.01695848	8.99E-03	2.23E-03	1.72E-03
3057	564832.1	4222199	0.01691698	8.97E-03	2.22E-03	1.72E-03
3058	564837.3	4222182	0.01678166	8.90E-03	2.20E-03	1.71E-03
3059	564842.5	4222165	0.01655218	8.78E-03	2.17E-03	1.68E-03
3060	564847.8	4222149	0.01623658	8.61E-03	2.13E-03	1.65E-03
3061	564853	4222132	0.01584459	8.40E-03	2.08E-03	1.61E-03
3062	564863.5	4222098	0.01484368	7.87E-03	1.95E-03	1.51E-03
3063	564868.8	4222081	0.01426096	7.56E-03	1.87E-03	1.45E-03
3064	564874	4222064	0.01364358	7.23E-03	1.79E-03	1.39E-03
3065	564879.3	4222047	0.01300559	6.90E-03	1.71E-03	1.32E-03
3066	564884.5	4222030	0.01235835	6.55E-03	1.62E-03	1.26E-03
3067	564889.8	4222013	0.01171229	6.21E-03	1.54E-03	1.19E-03
3068	564895	4221997	0.01107096	5.87E-03	1.45E-03	1.13E-03
3069	564900.2	4221980	0.0104425	5.54E-03	1.37E-03	1.06E-03
3070	564905.5	4221963	0.009842271	5.22E-03	1.29E-03	1.00E-03
3071	564910.7	4221946	0.009268161	4.91E-03	1.22E-03	9.42E-04
3072	564916	4221929	0.008721648	4.62E-03	1.15E-03	8.86E-04
3073	564945.4	4221901	0.007925964	4.20E-03	1.04E-03	8.05E-04
3074	564953.4	4221898	0.007829593	4.15E-03	1.03E-03	7.96E-04
3075	564969.5	4221890	0.007638385	4.05E-03	1.00E-03	7.76E-04
3076	564985.6	4221883	0.007441555	3.95E-03	9.77E-04	7.56E-04
3077	565001.7	4221876	0.007238162	3.84E-03	9.51E-04	7.36E-04
3078	565050.1	4221854	0.006640868	3.52E-03	8.72E-04	6.75E-04
3079	565066.2	4221847	0.006454608	3.42E-03	8.48E-04	6.56E-04
3080	565082.3	4221839	0.006271657	3.33E-03	8.24E-04	6.37E-04
3081	564804.3	4222301	0.01604897	8.51E-03	2.11E-03	1.63E-03
3082	564805.4	4222310	0.01600026	8.48E-03	2.10E-03	1.63E-03
3083	564806.5	4222319	0.01593426	8.45E-03	2.09E-03	1.62E-03
3084	564807.6	4222328	0.01585179	8.40E-03	2.08E-03	1.61E-03
3085	564809.7	4222346	0.01563969	8.29E-03	2.05E-03	1.59E-03
3086	564810.8	4222355	0.0155115	8.22E-03	2.04E-03	1.58E-03
3087	564786	4222286	0.01539487	8.16E-03	2.02E-03	1.56E-03
3088	564788.7	4222277	0.01554797	8.24E-03	2.04E-03	1.58E-03
3089	564794	4222260	0.01581979	8.39E-03	2.08E-03	1.61E-03
3090	564799.4	4222243	0.01601492	8.49E-03	2.10E-03	1.63E-03
3091	564807.4	4222217	0.01615419	8.56E-03	2.12E-03	1.64E-03
3092	564812.7	4222200	0.01614005	8.56E-03	2.12E-03	1.64E-03
3093	564815.4	4222191	0.0160997	8.54E-03	2.11E-03	1.64E-03
3094	564820.8	4222174	0.01595201	8.46E-03	2.09E-03	1.62E-03
3095	564826.1	4222157	0.01571658	8.33E-03	2.06E-03	1.60E-03
3096	564831.4	4222140	0.01539818	8.16E-03	2.02E-03	1.56E-03
3097	564836.8	4222122	0.01500627	7.96E-03	1.97E-03	1.53E-03
3098	564844.8	4222097	0.0142991	7.58E-03	1.88E-03	1.45E-03
3099	564863.5	4222037	0.01229581	6.52E-03	1.61E-03	1.25E-03

3100	564868.8	4222019	0.01168378	6.19E-03	1.53E-03	1.19E-03
3101	564871.5	4222011	0.01137869	6.03E-03	1.49E-03	1.16E-03
3102	564876.9	4221994	0.01076792	5.71E-03	1.41E-03	1.09E-03
3103	564882.2	4221976	0.01016826	5.39E-03	1.34E-03	1.03E-03
3104	564884.9	4221968	0.00987928	5.24E-03	1.30E-03	1.00E-03
3105	564890.2	4221951	0.009316253	4.94E-03	1.22E-03	9.47E-04
3106	564895.6	4221933	0.008777216	4.65E-03	1.15E-03	8.92E-04
3107	564900.9	4221916	0.008264163	4.38E-03	1.09E-03	8.40E-04
3108	564914.4	4221895	0.00769277	4.08E-03	1.01E-03	7.82E-04
3109	564922.6	4221892	0.007604871	4.03E-03	9.99E-04	7.73E-04
3110	564939	4221884	0.007424018	3.94E-03	9.75E-04	7.54E-04
3111	564955.5	4221877	0.00723983	3.84E-03	9.51E-04	7.36E-04
3112	564971.9	4221869	0.007053705	3.74E-03	9.26E-04	7.17E-04
3113	564980.1	4221866	0.006959217	3.69E-03	9.14E-04	7.07E-04
3114	564996.5	4221858	0.006768197	3.59E-03	8.89E-04	6.88E-04
3115	565012.9	4221851	0.006580297	3.49E-03	8.64E-04	6.69E-04
3116	565021.1	4221847	0.006487557	3.44E-03	8.52E-04	6.59E-04
3117	565037.5	4221840	0.006305117	3.34E-03	8.28E-04	6.41E-04
3118	565053.9	4221832	0.006128406	3.25E-03	8.05E-04	6.23E-04
3119	565070.3	4221825	0.00595659	3.16E-03	7.82E-04	6.05E-04
3120	565078.5	4221821	0.005873721	3.11E-03	7.71E-04	5.97E-04
3121	564784.4	4222303	0.01519637	8.06E-03	2.00E-03	1.54E-03
3122	564785.5	4222312	0.01514489	8.03E-03	1.99E-03	1.54E-03
3123	564786.6	4222321	0.01507674	7.99E-03	1.98E-03	1.53E-03
3124	564789.9	4222348	0.01478712	7.84E-03	1.94E-03	1.50E-03
3125	564791	4222357	0.01466452	7.78E-03	1.93E-03	1.49E-03
3126	564766.2	4222288	0.01460228	7.74E-03	1.92E-03	1.48E-03
3127	564771.5	4222271	0.01488766	7.89E-03	1.96E-03	1.51E-03
3128	564776.8	4222254	0.01513395	8.02E-03	1.99E-03	1.54E-03
3129	564782.1	4222237	0.0152999	8.11E-03	2.01E-03	1.55E-03
3130	564792.8	4222203	0.01540751	8.17E-03	2.02E-03	1.57E-03
3131	564798.1	4222185	0.0153495	8.14E-03	2.02E-03	1.56E-03
3132	564803.4	4222168	0.01521085	8.06E-03	2.00E-03	1.55E-03
3133	564808.7	4222151	0.01498911	7.95E-03	1.97E-03	1.52E-03
3134	564814.1	4222134	0.01469209	7.79E-03	1.93E-03	1.49E-03
3135	564824.7	4222100	0.01390109	7.37E-03	1.83E-03	1.41E-03
3136	564830	4222083	0.01343308	7.12E-03	1.76E-03	1.37E-03
3137	564835.4	4222066	0.01292861	6.85E-03	1.70E-03	1.31E-03
3138	564840.7	4222048	0.01238637	6.57E-03	1.63E-03	1.26E-03
3139	564846	4222031	0.01182638	6.27E-03	1.55E-03	1.20E-03
3140	564862	4221980	0.0101281	5.37E-03	1.33E-03	1.03E-03
3141	564867.3	4221963	0.009582879	5.08E-03	1.26E-03	9.74E-04
3142	564870	4221954	0.009317355	4.94E-03	1.22E-03	9.47E-04
3143	564875.3	4221937	0.008800562	4.67E-03	1.16E-03	8.94E-04
3144	564880.6	4221920	0.008305315	4.40E-03	1.09E-03	8.44E-04
3145	564885.9	4221903	0.007832498	4.15E-03	1.03E-03	7.96E-04
3146	564899.4	4221882	0.007306184	3.87E-03	9.60E-04	7.43E-04

3147	564915.8	4221875	0.007139909	3.79E-03	9.38E-04	7.26E-04
3148	564948.5	4221860	0.006800903	3.61E-03	8.93E-04	6.91E-04
3149	564956.6	4221856	0.00671521	3.56E-03	8.82E-04	6.82E-04
3150	564973	4221849	0.006540113	3.47E-03	8.59E-04	6.65E-04
3151	564981.1	4221845	0.006453667	3.42E-03	8.48E-04	6.56E-04
3152	564997.5	4221838	0.00628091	3.33E-03	8.25E-04	6.38E-04
3153	565013.8	4221830	0.00611052	3.24E-03	8.02E-04	6.21E-04
3154	565022	4221827	0.006026817	3.20E-03	7.91E-04	6.12E-04
3155	565038.3	4221819	0.00586272	3.11E-03	7.70E-04	5.96E-04
3156	565054.7	4221812	0.00570395	3.02E-03	7.49E-04	5.80E-04
3157	565062.9	4221808	0.005626702	2.98E-03	7.39E-04	5.72E-04
3158	564763.5	4222297	0.01444235	7.66E-03	1.90E-03	1.47E-03
3159	564764.6	4222306	0.01440564	7.64E-03	1.89E-03	1.46E-03
3160	564766.8	4222324	0.01428547	7.57E-03	1.88E-03	1.45E-03
3161	564767.9	4222333	0.01420499	7.53E-03	1.87E-03	1.44E-03
3162	564771.1	4222359	0.01388715	7.36E-03	1.82E-03	1.41E-03
3163	564746.3	4222291	0.01386986	7.35E-03	1.82E-03	1.41E-03
3164	564751.6	4222274	0.01415109	7.50E-03	1.86E-03	1.44E-03
3165	564756.9	4222257	0.01438915	7.63E-03	1.89E-03	1.46E-03
3166	564762.2	4222239	0.01456758	7.72E-03	1.91E-03	1.48E-03
3167	564767.5	4222222	0.01467065	7.78E-03	1.93E-03	1.49E-03
3168	564772.8	4222205	0.01470971	7.80E-03	1.93E-03	1.49E-03
3169	564786.1	4222163	0.01451161	7.69E-03	1.91E-03	1.47E-03
3170	564791.4	4222146	0.01430975	7.59E-03	1.88E-03	1.45E-03
3171	564796.7	4222129	0.01403724	7.44E-03	1.84E-03	1.43E-03
3172	564807.3	4222094	0.01330438	7.05E-03	1.75E-03	1.35E-03
3173	564812.6	4222077	0.01286799	6.82E-03	1.69E-03	1.31E-03
3174	564817.9	4222060	0.01239745	6.57E-03	1.63E-03	1.26E-03
3175	564823.2	4222043	0.01189903	6.31E-03	1.56E-03	1.21E-03
3176	564828.5	4222026	0.01138065	6.03E-03	1.49E-03	1.16E-03
3177	564833.8	4222009	0.01084995	5.75E-03	1.42E-03	1.10E-03
3178	564839.1	4221992	0.01032539	5.47E-03	1.36E-03	1.05E-03
3179	564844.4	4221975	0.009805637	5.20E-03	1.29E-03	9.97E-04
3180	564863	4221915	0.008097591	4.29E-03	1.06E-03	8.23E-04
3181	564868.3	4221898	0.007647717	4.05E-03	1.00E-03	7.77E-04
3182	564873.6	4221881	0.007222616	3.83E-03	9.49E-04	7.34E-04
3183	564884.4	4221869	0.006946091	3.68E-03	9.12E-04	7.06E-04
3184	564892.6	4221865	0.0068707	3.64E-03	9.02E-04	6.98E-04
3185	564908.8	4221858	0.006714215	3.56E-03	8.82E-04	6.82E-04
3186	564917	4221854	0.006635246	3.52E-03	8.71E-04	6.74E-04
3187	564949.6	4221839	0.006318565	3.35E-03	8.30E-04	6.42E-04
3188	564957.7	4221836	0.006238332	3.31E-03	8.19E-04	6.34E-04
3189	564974	4221828	0.006080018	3.22E-03	7.98E-04	6.18E-04
3190	564982.1	4221825	0.006001776	3.18E-03	7.88E-04	6.10E-04
3191	564998.4	4221817	0.005843839	3.10E-03	7.67E-04	5.94E-04
3192	565014.7	4221810	0.005690501	3.02E-03	7.47E-04	5.78E-04
3193	565022.9	4221806	0.005614948	2.98E-03	7.37E-04	5.71E-04

3194	565039.1	4221799	0.005467474	2.90E-03	7.18E-04	5.56E-04
3195	565047.3	4221795	0.00539531	2.86E-03	7.09E-04	5.48E-04
3196	564744.7	4222308	0.01366765	7.25E-03	1.79E-03	1.39E-03
3197	564745.8	4222317	0.01361673	7.22E-03	1.79E-03	1.38E-03
3198	564746.9	4222326	0.01355339	7.19E-03	1.78E-03	1.38E-03
3199	564748	4222335	0.01347776	7.15E-03	1.77E-03	1.37E-03
3200	564749.1	4222344	0.01338647	7.10E-03	1.76E-03	1.36E-03
3201	564750.2	4222353	0.01328413	7.04E-03	1.74E-03	1.35E-03
3202	564737	4222259	0.01369936	7.26E-03	1.80E-03	1.39E-03
3203	564742.3	4222242	0.01387911	7.36E-03	1.82E-03	1.41E-03
3204	564747.6	4222225	0.0140038	7.42E-03	1.84E-03	1.42E-03
3205	564752.9	4222208	0.01406594	7.46E-03	1.85E-03	1.43E-03
3206	564758.2	4222191	0.01406537	7.46E-03	1.85E-03	1.43E-03
3207	564763.5	4222174	0.0139991	7.42E-03	1.84E-03	1.42E-03
3208	564768.7	4222157	0.01386644	7.35E-03	1.82E-03	1.41E-03
3209	564789.9	4222089	0.012748	6.76E-03	1.67E-03	1.30E-03
3210	564795.2	4222072	0.01234073	6.54E-03	1.62E-03	1.25E-03
3211	564800.5	4222055	0.01190078	6.31E-03	1.56E-03	1.21E-03
3212	564805.8	4222038	0.01143781	6.06E-03	1.50E-03	1.16E-03
3213	564811	4222021	0.01095899	5.81E-03	1.44E-03	1.11E-03
3214	564816.3	4222004	0.0104705	5.55E-03	1.38E-03	1.06E-03
3215	564821.6	4221987	0.009982053	5.29E-03	1.31E-03	1.01E-03
3216	564826.9	4221970	0.009498397	5.04E-03	1.25E-03	9.65E-04
3217	564832.2	4221953	0.009023321	4.78E-03	1.19E-03	9.17E-04
3218	564837.5	4221936	0.00856086	4.54E-03	1.12E-03	8.70E-04
3219	564842.8	4221919	0.008113245	4.30E-03	1.07E-03	8.25E-04
3220	564848.1	4221902	0.007678541	4.07E-03	1.01E-03	7.80E-04
3221	564869.4	4221856	0.006615774	3.51E-03	8.69E-04	6.72E-04
3222	564885.6	4221848	0.006474405	3.43E-03	8.50E-04	6.58E-04
3223	564901.9	4221841	0.006329485	3.36E-03	8.31E-04	6.43E-04
3224	564910	4221837	0.006255977	3.32E-03	8.22E-04	6.36E-04
3225	564934.3	4221826	0.006033191	3.20E-03	7.92E-04	6.13E-04
3226	564950.6	4221819	0.005884157	3.12E-03	7.73E-04	5.98E-04
3227	564958.7	4221815	0.005810756	3.08E-03	7.63E-04	5.91E-04
3228	564974.9	4221808	0.005664681	3.00E-03	7.44E-04	5.76E-04
3229	564983	4221804	0.00559179	2.96E-03	7.34E-04	5.68E-04
3230	564999.3	4221797	0.005450448	2.89E-03	7.16E-04	5.54E-04
3231	565023.6	4221786	0.005243613	2.78E-03	6.89E-04	5.33E-04
3232	565031.8	4221782	0.00517586	2.74E-03	6.80E-04	5.26E-04
3233	564724.9	4222311	0.01299881	6.89E-03	1.71E-03	1.32E-03
3234	564726	4222320	0.01294593	6.86E-03	1.70E-03	1.32E-03
3235	564727.1	4222329	0.01288237	6.83E-03	1.69E-03	1.31E-03
3236	564728.2	4222337	0.01280806	6.79E-03	1.68E-03	1.30E-03
3237	564729.2	4222346	0.01272148	6.74E-03	1.67E-03	1.29E-03
3238	564730.3	4222355	0.01262513	6.69E-03	1.66E-03	1.28E-03
3239	564731.4	4222364	0.01251989	6.64E-03	1.64E-03	1.27E-03
3240	564706.6	4222296	0.01256983	6.66E-03	1.65E-03	1.28E-03

3241	564711.8	4222279	0.0128353	6.81E-03	1.69E-03	1.30E-03
3242	564717.1	4222262	0.01306255	6.93E-03	1.72E-03	1.33E-03
3243	564722.4	4222245	0.01324534	7.02E-03	1.74E-03	1.35E-03
3244	564727.7	4222228	0.0133787	7.09E-03	1.76E-03	1.36E-03
3245	564732.9	4222211	0.01345826	7.14E-03	1.77E-03	1.37E-03
3246	564738.2	4222194	0.0134808	7.15E-03	1.77E-03	1.37E-03
3247	564743.5	4222177	0.01344363	7.13E-03	1.77E-03	1.37E-03
3248	564748.8	4222160	0.01334591	7.08E-03	1.75E-03	1.36E-03
3249	564754	4222143	0.01319147	6.99E-03	1.73E-03	1.34E-03
3250	564759.3	4222126	0.01298299	6.88E-03	1.71E-03	1.32E-03
3251	564769.8	4222092	0.0124017	6.58E-03	1.63E-03	1.26E-03
3252	564785.7	4222041	0.01122898	5.95E-03	1.47E-03	1.14E-03
3253	564790.9	4222024	0.01078965	5.72E-03	1.42E-03	1.10E-03
3254	564796.2	4222007	0.01033908	5.48E-03	1.36E-03	1.05E-03
3255	564801.5	4221990	0.009884095	5.24E-03	1.30E-03	1.00E-03
3256	564806.7	4221973	0.009429649	5.00E-03	1.24E-03	9.58E-04
3257	564812	4221956	0.008980905	4.76E-03	1.18E-03	9.13E-04
3258	564817.3	4221939	0.008540821	4.53E-03	1.12E-03	8.68E-04
3259	564822.6	4221922	0.008112922	4.30E-03	1.07E-03	8.24E-04
3260	564827.8	4221905	0.007695701	4.08E-03	1.01E-03	7.82E-04
3261	564833.1	4221888	0.007293058	3.87E-03	9.58E-04	7.41E-04
3262	564838.4	4221871	0.006912148	3.66E-03	9.08E-04	7.02E-04
3263	564843.7	4221854	0.006550011	3.47E-03	8.60E-04	6.66E-04
3264	564902.9	4221820	0.005908714	3.13E-03	7.76E-04	6.00E-04
3265	564911	4221817	0.005839912	3.10E-03	7.67E-04	5.93E-04
3266	564927.2	4221809	0.005701475	3.02E-03	7.49E-04	5.79E-04
3267	564935.3	4221806	0.005632323	2.99E-03	7.40E-04	5.72E-04
3268	564951.5	4221798	0.005494693	2.91E-03	7.22E-04	5.58E-04
3269	564967.7	4221791	0.005358757	2.84E-03	7.04E-04	5.45E-04
3270	564983.9	4221784	0.00522535	2.77E-03	6.86E-04	5.31E-04
3271	565008.2	4221773	0.005032931	2.67E-03	6.61E-04	5.11E-04
3272	565016.3	4221769	0.004969805	2.63E-03	6.53E-04	5.05E-04
3273	564706.1	4222322	0.01232524	6.53E-03	1.62E-03	1.25E-03
3274	564707.2	4222331	0.01226181	6.50E-03	1.61E-03	1.25E-03
3275	564708.3	4222340	0.01218903	6.46E-03	1.60E-03	1.24E-03
3276	564709.4	4222349	0.0121077	6.42E-03	1.59E-03	1.23E-03
3277	564710.5	4222358	0.01201786	6.37E-03	1.58E-03	1.22E-03
3278	564686.8	4222298	0.01199043	6.36E-03	1.57E-03	1.22E-03
3279	564692.1	4222281	0.01225103	6.50E-03	1.61E-03	1.25E-03
3280	564697.5	4222263	0.01247696	6.62E-03	1.64E-03	1.27E-03
3281	564702.8	4222246	0.01266209	6.71E-03	1.66E-03	1.29E-03
3282	564708.2	4222229	0.01280155	6.79E-03	1.68E-03	1.30E-03
3283	564713.5	4222212	0.01289128	6.83E-03	1.69E-03	1.31E-03
3284	564718.9	4222195	0.01292721	6.85E-03	1.70E-03	1.31E-03
3285	564724.2	4222177	0.01290728	6.84E-03	1.70E-03	1.31E-03
3286	564726.9	4222169	0.01287597	6.83E-03	1.69E-03	1.31E-03
3287	564732.3	4222151	0.0127703	6.77E-03	1.68E-03	1.30E-03

3288	564737.6	4222134	0.01260824	6.68E-03	1.66E-03	1.28E-03
3289	564748.3	4222100	0.01212808	6.43E-03	1.59E-03	1.23E-03
3290	564751	4222091	0.01197934	6.35E-03	1.57E-03	1.22E-03
3291	564756.4	4222074	0.0116508	6.18E-03	1.53E-03	1.18E-03
3292	564761.7	4222057	0.01128939	5.99E-03	1.48E-03	1.15E-03
3293	564767.1	4222039	0.01089953	5.78E-03	1.43E-03	1.11E-03
3294	564785.8	4221979	0.009411951	4.99E-03	1.24E-03	9.57E-04
3295	564791.2	4221962	0.008980636	4.76E-03	1.18E-03	9.13E-04
3296	564796.5	4221945	0.0085547	4.54E-03	1.12E-03	8.69E-04
3297	564801.9	4221927	0.008137641	4.31E-03	1.07E-03	8.27E-04
3298	564807.2	4221910	0.007731258	4.10E-03	1.02E-03	7.86E-04
3299	564809.9	4221902	0.00753104	3.99E-03	9.89E-04	7.65E-04
3300	564815.2	4221884	0.007142867	3.79E-03	9.38E-04	7.26E-04
3301	564820.6	4221867	0.00677484	3.59E-03	8.90E-04	6.89E-04
3302	564826	4221850	0.006423597	3.41E-03	8.44E-04	6.53E-04
3303	564856	4221822	0.005904061	3.13E-03	7.75E-04	6.00E-04
3304	564872.4	4221814	0.005776167	3.06E-03	7.59E-04	5.87E-04
3305	564888.8	4221807	0.005646256	2.99E-03	7.42E-04	5.74E-04
3306	564905.3	4221799	0.005515188	2.92E-03	7.24E-04	5.60E-04
3307	564913.5	4221796	0.005449722	2.89E-03	7.16E-04	5.54E-04
3308	564929.9	4221788	0.00531895	2.82E-03	6.99E-04	5.41E-04
3309	564946.4	4221781	0.005189416	2.75E-03	6.82E-04	5.27E-04
3310	564962.8	4221773	0.005061711	2.68E-03	6.65E-04	5.14E-04
3311	564971	4221770	0.004999042	2.65E-03	6.57E-04	5.08E-04
3312	565003.9	4221755	0.004756433	2.52E-03	6.25E-04	4.83E-04
3313	564685.2	4222315	0.01180304	6.26E-03	1.55E-03	1.20E-03
3314	564688.4	4222342	0.01161452	6.16E-03	1.53E-03	1.18E-03
3315	564690.6	4222360	0.01144919	6.07E-03	1.50E-03	1.16E-03
3316	565244.7	4222311	0.1412821	7.49E-02	1.86E-02	1.44E-02
3317	565245.8	4222321	0.1404553	7.45E-02	1.84E-02	1.43E-02
3318	565247	4222330	0.138097	7.32E-02	1.81E-02	1.40E-02
3319	565248.2	4222339	0.134292	7.12E-02	1.76E-02	1.36E-02
3320	565249.3	4222348	0.1292433	6.85E-02	1.70E-02	1.31E-02
3321	565250.5	4222358	0.1232654	6.54E-02	1.62E-02	1.25E-02
3322	565251.7	4222367	0.1167933	6.19E-02	1.53E-02	1.19E-02
3323	565255.2	4222394	0.09875982	5.24E-02	1.30E-02	1.00E-02
3324	565234.9	4222313	0.126523	6.71E-02	1.66E-02	1.29E-02
3325	565236.1	4222322	0.1257685	6.67E-02	1.65E-02	1.28E-02
3326	565237.2	4222331	0.1237668	6.56E-02	1.63E-02	1.26E-02
3327	565238.4	4222340	0.1206244	6.40E-02	1.58E-02	1.23E-02
3328	565239.6	4222350	0.1165195	6.18E-02	1.53E-02	1.18E-02
3329	565240.7	4222359	0.1117228	5.92E-02	1.47E-02	1.14E-02
3330	565241.9	4222368	0.1065397	5.65E-02	1.40E-02	1.08E-02
3331	565245.4	4222396	0.0913991	4.85E-02	1.20E-02	9.29E-03
3332	565225.1	4222314	0.1143332	6.06E-02	1.50E-02	1.16E-02
3333	565226.3	4222323	0.1136586	6.03E-02	1.49E-02	1.16E-02
3334	565227.5	4222332	0.1119566	5.94E-02	1.47E-02	1.14E-02

3335	565228.6	4222342	0.1093386	5.80E-02	1.44E-02	1.11E-02
3336	565229.8	4222351	0.1059638	5.62E-02	1.39E-02	1.08E-02
3337	565231	4222360	0.102028	5.41E-02	1.34E-02	1.04E-02
3338	565232.1	4222369	0.09776417	5.18E-02	1.28E-02	9.94E-03
3339	565235.7	4222397	0.0848234	4.50E-02	1.11E-02	8.62E-03
3340	565215.4	4222315	0.1041101	5.52E-02	1.37E-02	1.06E-02
3341	565216.5	4222324	0.103499	5.49E-02	1.36E-02	1.05E-02
3342	565217.7	4222334	0.1020396	5.41E-02	1.34E-02	1.04E-02
3343	565218.9	4222343	0.09983575	5.29E-02	1.31E-02	1.01E-02
3344	565220	4222352	0.09701601	5.14E-02	1.27E-02	9.86E-03
3345	565221.2	4222361	0.0937301	4.97E-02	1.23E-02	9.53E-03
3346	565225.9	4222398	0.07891415	4.18E-02	1.04E-02	8.02E-03
3347	565204.4	4222307	0.09520888	5.05E-02	1.25E-02	9.68E-03
3348	565205.6	4222316	0.09540441	5.06E-02	1.25E-02	9.70E-03
3349	565206.8	4222326	0.09484521	5.03E-02	1.25E-02	9.64E-03
3350	565207.9	4222335	0.09358615	4.96E-02	1.23E-02	9.51E-03
3351	565209.1	4222344	0.0917061	4.86E-02	1.20E-02	9.32E-03
3352	565210.3	4222353	0.08931582	4.74E-02	1.17E-02	9.08E-03
3353	565211.5	4222363	0.0865307	4.59E-02	1.14E-02	8.79E-03
3354	565216.1	4222399	0.07359143	3.90E-02	9.66E-03	7.48E-03
3355	565195.8	4222318	0.08790126	4.66E-02	1.15E-02	8.93E-03
3356	565197	4222327	0.08738415	4.63E-02	1.15E-02	8.88E-03
3357	565198.2	4222336	0.08628306	4.57E-02	1.13E-02	8.77E-03
3358	565199.4	4222345	0.08466401	4.49E-02	1.11E-02	8.60E-03
3359	565200.5	4222355	0.08260679	4.38E-02	1.08E-02	8.40E-03
3360	565201.7	4222364	0.08020788	4.25E-02	1.05E-02	8.15E-03
3361	565206.4	4222401	0.06878567	3.65E-02	9.03E-03	6.99E-03
3362	565186.1	4222319	0.08136465	4.31E-02	1.07E-02	8.27E-03
3363	565187.3	4222328	0.08088441	4.29E-02	1.06E-02	8.22E-03
3364	565188.4	4222337	0.07990827	4.24E-02	1.05E-02	8.12E-03
3365	565189.6	4222347	0.07849415	4.16E-02	1.03E-02	7.98E-03
3366	565190.8	4222356	0.07670575	4.07E-02	1.01E-02	7.80E-03
3367	565191.9	4222365	0.07460985	3.96E-02	9.80E-03	7.58E-03
3368	565196.6	4222402	0.06443492	3.42E-02	8.46E-03	6.55E-03
3369	565176.3	4222320	0.07561936	4.01E-02	9.93E-03	7.68E-03
3370	565177.5	4222329	0.07516745	3.99E-02	9.87E-03	7.64E-03
3371	565178.7	4222339	0.07429497	3.94E-02	9.76E-03	7.55E-03
3372	565179.8	4222348	0.07304325	3.87E-02	9.59E-03	7.42E-03
3373	565181	4222357	0.07146756	3.79E-02	9.39E-03	7.26E-03
3374	565182.2	4222366	0.06962071	3.69E-02	9.14E-03	7.08E-03
3375	565186.8	4222403	0.06048552	3.21E-02	7.94E-03	6.15E-03
3376	565177.1	4222404	0.05689385	3.02E-02	7.47E-03	5.78E-03
3377	565156.8	4222323	0.06599054	3.50E-02	8.67E-03	6.71E-03
3378	565158	4222332	0.06557921	3.48E-02	8.61E-03	6.66E-03
3379	565167.3	4222406	0.05361369	2.84E-02	7.04E-03	5.45E-03
3380	565147	4222324	0.06191602	3.28E-02	8.13E-03	6.29E-03
3381	565148.2	4222333	0.06152115	3.26E-02	8.08E-03	6.25E-03

3382	565149.4	4222342	0.0608521	3.23E-02	7.99E-03	6.18E-03
3383	565150.6	4222352	0.05993365	3.18E-02	7.87E-03	6.09E-03
3384	565151.7	4222361	0.05879025	3.12E-02	7.72E-03	5.97E-03
3385	565152.9	4222370	0.05744404	3.05E-02	7.54E-03	5.84E-03
3386	565157.6	4222407	0.05061334	2.68E-02	6.65E-03	5.14E-03
3387	565137.3	4222325	0.05823992	3.09E-02	7.65E-03	5.92E-03
3388	565138.5	4222334	0.05785769	3.07E-02	7.60E-03	5.88E-03
3389	565139.6	4222344	0.057236	3.03E-02	7.52E-03	5.82E-03
3390	565140.8	4222353	0.05639134	2.99E-02	7.41E-03	5.73E-03
3391	565142	4222362	0.0553471	2.93E-02	7.27E-03	5.62E-03
3392	565143.1	4222371	0.05412099	2.87E-02	7.11E-03	5.50E-03
3393	565146.6	4222399	0.04959229	2.63E-02	6.51E-03	5.04E-03
3394	565147.8	4222408	0.04786448	2.54E-02	6.29E-03	4.86E-03
3395	565127.5	4222326	0.05490785	2.91E-02	7.21E-03	5.58E-03
3396	565128.7	4222336	0.05453584	2.89E-02	7.16E-03	5.54E-03
3397	565129.9	4222345	0.05395296	2.86E-02	7.09E-03	5.48E-03
3398	565131	4222354	0.05317318	2.82E-02	6.98E-03	5.40E-03
3399	565132.2	4222363	0.05220904	2.77E-02	6.86E-03	5.31E-03
3400	565133.4	4222372	0.0510872	2.71E-02	6.71E-03	5.19E-03
3401	565136.9	4222400	0.04692794	2.49E-02	6.16E-03	4.77E-03
3402	565138	4222409	0.04533603	2.40E-02	5.95E-03	4.61E-03
3403	565117.8	4222328	0.05187353	2.75E-02	6.81E-03	5.27E-03
3404	565118.9	4222337	0.05151185	2.73E-02	6.77E-03	5.23E-03
3405	565120.1	4222346	0.05096127	2.70E-02	6.69E-03	5.18E-03
3406	565121.3	4222355	0.05023324	2.66E-02	6.60E-03	5.11E-03
3407	565122.4	4222364	0.04934608	2.62E-02	6.48E-03	5.01E-03
3408	565123.6	4222374	0.04831047	2.56E-02	6.34E-03	4.91E-03
3409	565127.1	4222401	0.04447706	2.36E-02	5.84E-03	4.52E-03
3410	565128.3	4222411	0.04300731	2.28E-02	5.65E-03	4.37E-03
3411	565108	4222329	0.04910024	2.60E-02	6.45E-03	4.99E-03
3412	565109.2	4222338	0.04874698	2.58E-02	6.40E-03	4.95E-03
3413	565110.3	4222347	0.04822623	2.56E-02	6.33E-03	4.90E-03
3414	565111.5	4222356	0.04754459	2.52E-02	6.24E-03	4.83E-03
3415	565112.7	4222366	0.04672048	2.48E-02	6.14E-03	4.75E-03
3416	565113.8	4222375	0.04576301	2.43E-02	6.01E-03	4.65E-03
3417	565098.2	4222330	0.04655194	2.47E-02	6.11E-03	4.73E-03
3418	565099.4	4222339	0.04621012	2.45E-02	6.07E-03	4.70E-03
3419	565100.6	4222348	0.04570873	2.42E-02	6.00E-03	4.65E-03
3420	565101.7	4222358	0.04507077	2.39E-02	5.92E-03	4.58E-03
3421	565102.9	4222367	0.04430344	2.35E-02	5.82E-03	4.50E-03
3422	565104.1	4222376	0.04341711	2.30E-02	5.70E-03	4.41E-03
3423	565088.5	4222331	0.04420739	2.34E-02	5.81E-03	4.49E-03
3424	565089.6	4222340	0.04386868	2.33E-02	5.76E-03	4.46E-03
3425	565090.8	4222350	0.04338244	2.30E-02	5.70E-03	4.41E-03
3426	565092	4222359	0.04277078	2.27E-02	5.62E-03	4.35E-03
3427	565093.2	4222368	0.04204463	2.23E-02	5.52E-03	4.27E-03
3428	565094.3	4222377	0.04121887	2.19E-02	5.41E-03	4.19E-03

3429	565097.8	4222405	0.03818063	2.02E-02	5.01E-03	3.88E-03
3430	565099	4222414	0.03701404	1.96E-02	4.86E-03	3.76E-03
3431	565077.6	4222323	0.04222338	2.24E-02	5.55E-03	4.29E-03
3432	565078.7	4222332	0.04204705	2.23E-02	5.52E-03	4.27E-03
3433	565079.9	4222342	0.04171103	2.21E-02	5.48E-03	4.24E-03
3434	565081.1	4222351	0.04123377	2.19E-02	5.42E-03	4.19E-03
3435	565082.2	4222360	0.04064422	2.15E-02	5.34E-03	4.13E-03
3436	565083.4	4222369	0.03995667	2.12E-02	5.25E-03	4.06E-03
3437	565084.6	4222379	0.03918516	2.08E-02	5.15E-03	3.98E-03
3438	565088.1	4222406	0.03635932	1.93E-02	4.78E-03	3.70E-03
3439	565089.2	4222416	0.03527498	1.87E-02	4.63E-03	3.58E-03
3440	565069	4222334	0.04003746	2.12E-02	5.26E-03	4.07E-03
3441	565070.1	4222343	0.03970569	2.11E-02	5.21E-03	4.04E-03
3442	565071.3	4222352	0.03924584	2.08E-02	5.15E-03	3.99E-03
3443	565072.5	4222361	0.03867848	2.05E-02	5.08E-03	3.93E-03
3444	565073.6	4222371	0.03802543	2.02E-02	4.99E-03	3.86E-03
3445	565074.8	4222380	0.03730379	1.98E-02	4.90E-03	3.79E-03
3446	565078.3	4222408	0.03466655	1.84E-02	4.55E-03	3.52E-03
3447	565079.5	4222417	0.03365868	1.78E-02	4.42E-03	3.42E-03
3448	565059.2	4222335	0.03816242	2.02E-02	5.01E-03	3.88E-03
3449	565060.4	4222344	0.03783705	2.01E-02	4.97E-03	3.85E-03
3450	565061.5	4222353	0.03740584	1.98E-02	4.91E-03	3.80E-03
3451	565062.7	4222363	0.03687686	1.96E-02	4.84E-03	3.75E-03
3452	565063.9	4222372	0.03626822	1.92E-02	4.76E-03	3.69E-03
3453	565065	4222381	0.03558591	1.89E-02	4.67E-03	3.62E-03
3454	565069.7	4222418	0.03216546	1.71E-02	4.22E-03	3.27E-03
3455	565049.4	4222336	0.03641817	1.93E-02	4.78E-03	3.70E-03
3456	565050.6	4222345	0.03610488	1.91E-02	4.74E-03	3.67E-03
3457	565051.8	4222355	0.0356979	1.89E-02	4.69E-03	3.63E-03
3458	565052.9	4222364	0.03520392	1.87E-02	4.62E-03	3.58E-03
3459	565054.1	4222373	0.03463492	1.84E-02	4.55E-03	3.52E-03
3460	565055.3	4222382	0.03399163	1.80E-02	4.46E-03	3.45E-03
3461	565060	4222419	0.03078802	1.63E-02	4.04E-03	3.13E-03
3462	565039.7	4222337	0.03480399	1.85E-02	4.57E-03	3.54E-03
3463	565040.8	4222347	0.03450017	1.83E-02	4.53E-03	3.51E-03
3464	565042	4222356	0.0341143	1.81E-02	4.48E-03	3.47E-03
3465	565043.2	4222365	0.03364978	1.78E-02	4.42E-03	3.42E-03
3466	565044.4	4222374	0.03311243	1.76E-02	4.35E-03	3.37E-03
3467	565045.5	4222384	0.03250651	1.72E-02	4.27E-03	3.30E-03
3468	565046.7	4222393	0.03183619	1.69E-02	4.18E-03	3.24E-03
3469	565050.2	4222420	0.0295015	1.56E-02	3.87E-03	3.00E-03
3470	565029.9	4222339	0.03331392	1.77E-02	4.38E-03	3.39E-03
3471	565031.1	4222348	0.03301684	1.75E-02	4.34E-03	3.36E-03
3472	565032.3	4222357	0.03264505	1.73E-02	4.29E-03	3.32E-03
3473	565033.4	4222366	0.03220214	1.71E-02	4.23E-03	3.27E-03
3474	565034.6	4222376	0.03168433	1.68E-02	4.16E-03	3.22E-03
3475	565035.8	4222385	0.03110635	1.65E-02	4.09E-03	3.16E-03

3476	565036.9	4222394	0.03047207	1.62E-02	4.00E-03	3.10E-03
3477	565020.2	4222340	0.03192115	1.69E-02	4.19E-03	3.24E-03
3478	565021.3	4222349	0.03163043	1.68E-02	4.15E-03	3.21E-03
3479	565022.5	4222358	0.03127189	1.66E-02	4.11E-03	3.18E-03
3480	565023.7	4222368	0.03084633	1.64E-02	4.05E-03	3.13E-03
3481	565024.8	4222377	0.03034762	1.61E-02	3.99E-03	3.08E-03
3482	565026	4222386	0.02979231	1.58E-02	3.91E-03	3.03E-03
3483	565027.2	4222395	0.02918713	1.55E-02	3.83E-03	2.97E-03
3484	565010.4	4222341	0.03061497	1.62E-02	4.02E-03	3.11E-03
3485	565011.6	4222350	0.03033086	1.61E-02	3.98E-03	3.08E-03
3486	565012.7	4222360	0.02998518	1.59E-02	3.94E-03	3.05E-03
3487	565013.9	4222369	0.02957598	1.57E-02	3.88E-03	3.01E-03
3488	565015.1	4222378	0.02909455	1.54E-02	3.82E-03	2.96E-03
3489	565016.2	4222387	0.02856095	1.51E-02	3.75E-03	2.90E-03
3490	565017.4	4222396	0.02798154	1.48E-02	3.67E-03	2.84E-03
3491	565018.6	4222406	0.02737836	1.45E-02	3.60E-03	2.78E-03
3492	565000.6	4222342	0.02938665	1.56E-02	3.86E-03	2.99E-03
3493	565001.8	4222352	0.02910281	1.54E-02	3.82E-03	2.96E-03
3494	565003	4222361	0.02876308	1.53E-02	3.78E-03	2.92E-03
3495	565004.1	4222370	0.02836727	1.50E-02	3.73E-03	2.88E-03
3496	565005.3	4222379	0.02791527	1.48E-02	3.67E-03	2.84E-03
3497	565006.5	4222389	0.02741394	1.45E-02	3.60E-03	2.79E-03
3498	565007.6	4222398	0.02686646	1.42E-02	3.53E-03	2.73E-03
3499	565008.8	4222407	0.02629192	1.39E-02	3.45E-03	2.67E-03
3500	564990.9	4222344	0.02823168	1.50E-02	3.71E-03	2.87E-03
3501	564992	4222353	0.02794827	1.48E-02	3.67E-03	2.84E-03
3502	564993.2	4222362	0.02761376	1.46E-02	3.63E-03	2.81E-03
3503	564994.4	4222371	0.02723484	1.44E-02	3.58E-03	2.77E-03
3504	564995.6	4222381	0.02680995	1.42E-02	3.52E-03	2.72E-03
3505	564996.7	4222390	0.02633899	1.40E-02	3.46E-03	2.68E-03
3506	564997.9	4222399	0.0258272	1.37E-02	3.39E-03	2.62E-03
3507	564999.1	4222408	0.02527754	1.34E-02	3.32E-03	2.57E-03
3508	564971	4222346	0.02606908	1.38E-02	3.42E-03	2.65E-03
3509	564972.2	4222355	0.02579667	1.37E-02	3.39E-03	2.62E-03
3510	564973.4	4222365	0.02547921	1.35E-02	3.35E-03	2.59E-03
3511	564974.5	4222374	0.02513717	1.33E-02	3.30E-03	2.55E-03
3512	564975.7	4222383	0.02475779	1.31E-02	3.25E-03	2.52E-03
3513	564980.4	4222420	0.02286278	1.21E-02	3.00E-03	2.32E-03
3514	564981.6	4222429	0.02232052	1.18E-02	2.93E-03	2.27E-03
3515	564950	4222339	0.02436628	1.29E-02	3.20E-03	2.48E-03
3516	564951.2	4222349	0.02414533	1.28E-02	3.17E-03	2.45E-03
3517	564952.4	4222358	0.02388416	1.27E-02	3.14E-03	2.43E-03
3518	564958.2	4222404	0.02214763	1.17E-02	2.91E-03	2.25E-03
3519	564959.4	4222413	0.02171271	1.15E-02	2.85E-03	2.21E-03
3520	564960.5	4222422	0.02125318	1.13E-02	2.79E-03	2.16E-03
3521	564961.7	4222432	0.02078327	1.10E-02	2.73E-03	2.11E-03
3522	564934.9	4222379	0.02165287	1.15E-02	2.84E-03	2.20E-03

3523	564936	4222388	0.021335	1.13E-02	2.80E-03	2.17E-03
3524	564937.2	4222397	0.02099126	1.11E-02	2.76E-03	2.13E-03
3525	564938.4	4222407	0.02062288	1.09E-02	2.71E-03	2.10E-03
3526	564939.5	4222416	0.02023269	1.07E-02	2.66E-03	2.06E-03
3527	564940.7	4222425	0.0198222	1.05E-02	2.60E-03	2.01E-03
3528	564941.9	4222434	0.01940543	1.03E-02	2.55E-03	1.97E-03
3529	564911.5	4222354	0.02094341	1.11E-02	2.75E-03	2.13E-03
3530	564912.7	4222363	0.02071799	1.10E-02	2.72E-03	2.11E-03
3531	564913.8	4222372	0.0204714	1.09E-02	2.69E-03	2.08E-03
3532	564915	4222381	0.02020308	1.07E-02	2.65E-03	2.05E-03
3533	564916.2	4222391	0.01991085	1.06E-02	2.61E-03	2.02E-03
3534	564917.4	4222400	0.01959791	1.04E-02	2.57E-03	1.99E-03
3535	564918.5	4222409	0.01926587	1.02E-02	2.53E-03	1.96E-03
3536	564919.7	4222418	0.0189139	1.00E-02	2.48E-03	1.92E-03
3537	564920.9	4222427	0.01854407	9.83E-03	2.44E-03	1.88E-03
3538	564922	4222437	0.01816821	9.63E-03	2.39E-03	1.85E-03
3539	564891.7	4222356	0.01957962	1.04E-02	2.57E-03	1.99E-03
3540	564892.8	4222365	0.01937531	1.03E-02	2.54E-03	1.97E-03
3541	564894	4222375	0.0191482	1.02E-02	2.51E-03	1.95E-03
3542	564895.2	4222384	0.01889924	1.00E-02	2.48E-03	1.92E-03
3543	564896.3	4222393	0.01863062	9.88E-03	2.45E-03	1.89E-03
3544	564897.5	4222402	0.01835028	9.73E-03	2.41E-03	1.86E-03
3545	564898.7	4222412	0.01805495	9.57E-03	2.37E-03	1.83E-03
3546	564899.9	4222421	0.01774249	9.41E-03	2.33E-03	1.80E-03
3547	564901	4222430	0.01741129	9.23E-03	2.29E-03	1.77E-03
3548	564902.2	4222439	0.01706217	9.05E-03	2.24E-03	1.73E-03
3549	564873	4222368	0.01816577	9.63E-03	2.39E-03	1.85E-03
3550	564874.2	4222377	0.01795358	9.52E-03	2.36E-03	1.82E-03
3551	564875.3	4222386	0.01772294	9.40E-03	2.33E-03	1.80E-03
3552	564876.5	4222396	0.01747476	9.27E-03	2.29E-03	1.78E-03
3553	564877.7	4222405	0.01721572	9.13E-03	2.26E-03	1.75E-03
3554	564878.8	4222414	0.01694294	8.98E-03	2.23E-03	1.72E-03
3555	564880	4222423	0.01665673	8.83E-03	2.19E-03	1.69E-03
3556	564881.2	4222433	0.01635912	8.67E-03	2.15E-03	1.66E-03
3557	564882.3	4222442	0.01604943	8.51E-03	2.11E-03	1.63E-03
3558	564852	4222361	0.01725193	9.15E-03	2.27E-03	1.75E-03
3559	564855.5	4222389	0.01665724	8.83E-03	2.19E-03	1.69E-03
3560	564856.7	4222398	0.01642846	8.71E-03	2.16E-03	1.67E-03
3561	564857.8	4222407	0.01618752	8.58E-03	2.13E-03	1.65E-03
3562	564859	4222417	0.01593227	8.45E-03	2.09E-03	1.62E-03
3563	564860.2	4222426	0.01566486	8.31E-03	2.06E-03	1.59E-03
3564	564861.3	4222435	0.01540219	8.17E-03	2.02E-03	1.57E-03
3565	564862.5	4222444	0.01512876	8.02E-03	1.99E-03	1.54E-03
3566	564831	4222355	0.01640124	8.70E-03	2.15E-03	1.67E-03
3567	564832.1	4222364	0.01624567	8.61E-03	2.13E-03	1.65E-03
3568	564833.3	4222373	0.01607428	8.52E-03	2.11E-03	1.63E-03
3569	564836.8	4222401	0.01548046	8.21E-03	2.03E-03	1.57E-03

3570	564838	4222410	0.0152634	8.09E-03	2.00E-03	1.55E-03
3571	564839.2	4222419	0.01503454	7.97E-03	1.97E-03	1.53E-03
3572	564840.3	4222428	0.01479516	7.84E-03	1.94E-03	1.50E-03
3573	564841.5	4222438	0.01454835	7.71E-03	1.91E-03	1.48E-03
3574	564842.7	4222447	0.01429302	7.58E-03	1.88E-03	1.45E-03
3575	564812.3	4222366	0.01532768	8.13E-03	2.01E-03	1.56E-03
3576	564813.5	4222375	0.01516644	8.04E-03	1.99E-03	1.54E-03
3577	564814.6	4222385	0.01499234	7.95E-03	1.97E-03	1.52E-03
3578	564815.8	4222394	0.01480624	7.85E-03	1.94E-03	1.50E-03
3579	564820.5	4222431	0.01398689	7.42E-03	1.84E-03	1.42E-03
3580	564821.7	4222440	0.01375934	7.30E-03	1.81E-03	1.40E-03
3581	564822.8	4222449	0.01352332	7.17E-03	1.78E-03	1.37E-03
3582	564792.5	4222369	0.01448907	7.68E-03	1.90E-03	1.47E-03
3583	564793.6	4222378	0.01433931	7.60E-03	1.88E-03	1.46E-03
3584	564794.8	4222387	0.01417807	7.52E-03	1.86E-03	1.44E-03
3585	564796	4222396	0.01400536	7.43E-03	1.84E-03	1.42E-03
3586	564797.1	4222406	0.01382693	7.33E-03	1.82E-03	1.41E-03
3587	564798.3	4222415	0.01363973	7.23E-03	1.79E-03	1.39E-03
3588	564799.5	4222424	0.01344454	7.13E-03	1.77E-03	1.37E-03
3589	564800.6	4222433	0.0132422	7.02E-03	1.74E-03	1.35E-03
3590	564772.6	4222371	0.01372222	7.28E-03	1.80E-03	1.39E-03
3591	564773.8	4222381	0.01358505	7.20E-03	1.78E-03	1.38E-03
3592	564775	4222390	0.01343765	7.12E-03	1.76E-03	1.37E-03
3593	564776.1	4222399	0.01327878	7.04E-03	1.74E-03	1.35E-03
3594	564777.3	4222408	0.01310806	6.95E-03	1.72E-03	1.33E-03
3595	564778.5	4222417	0.01292998	6.86E-03	1.70E-03	1.31E-03
3596	564779.6	4222427	0.01274512	6.76E-03	1.67E-03	1.30E-03
3597	564780.8	4222436	0.01255827	6.66E-03	1.65E-03	1.28E-03
3598	564782	4222445	0.01236486	6.56E-03	1.62E-03	1.26E-03
3599	564783.1	4222454	0.01216509	6.45E-03	1.60E-03	1.24E-03
3600	564752.8	4222374	0.01301551	6.90E-03	1.71E-03	1.32E-03
3601	564753.9	4222383	0.01288609	6.83E-03	1.69E-03	1.31E-03
3602	564755.1	4222392	0.0127477	6.76E-03	1.67E-03	1.30E-03
3603	564756.3	4222401	0.0125984	6.68E-03	1.65E-03	1.28E-03
3604	564757.5	4222411	0.01243912	6.60E-03	1.63E-03	1.26E-03
3605	564758.6	4222420	0.01227284	6.51E-03	1.61E-03	1.25E-03
3606	564759.8	4222429	0.01210202	6.42E-03	1.59E-03	1.23E-03
3607	564761	4222438	0.01192881	6.32E-03	1.57E-03	1.21E-03
3608	564762.1	4222448	0.01174959	6.23E-03	1.54E-03	1.19E-03
3609	564763.3	4222457	0.01156497	6.13E-03	1.52E-03	1.18E-03
3610	564732.9	4222376	0.01236849	6.56E-03	1.62E-03	1.26E-03
3611	564736.4	4222404	0.01197101	6.35E-03	1.57E-03	1.22E-03
3612	564737.6	4222413	0.01182305	6.27E-03	1.55E-03	1.20E-03
3613	564738.8	4222422	0.01166869	6.19E-03	1.53E-03	1.19E-03
3614	564740	4222432	0.01151027	6.10E-03	1.51E-03	1.17E-03
3615	564741.1	4222441	0.01134848	6.02E-03	1.49E-03	1.15E-03
3616	564742.3	4222450	0.01118189	5.93E-03	1.47E-03	1.14E-03

3617	564743.5	4222459	0.01100967	5.84E-03	1.45E-03	1.12E-03
3618	564711.9	4222370	0.01188575	6.30E-03	1.56E-03	1.21E-03
3619	564713.1	4222379	0.01177189	6.24E-03	1.55E-03	1.20E-03
3620	564714.3	4222388	0.01165086	6.18E-03	1.53E-03	1.18E-03
3621	564695.6	4222400	0.01098024	5.82E-03	1.44E-03	1.12E-03
3622	564696.8	4222409	0.01085845	5.76E-03	1.43E-03	1.10E-03
3623	564697.9	4222418	0.01073174	5.69E-03	1.41E-03	1.09E-03
3624	564699.1	4222427	0.01059965	5.62E-03	1.39E-03	1.08E-03
3625	564700.3	4222437	0.01045979	5.55E-03	1.37E-03	1.06E-03
3626	564701.4	4222446	0.01031641	5.47E-03	1.35E-03	1.05E-03
3627	564702.6	4222455	0.01016928	5.39E-03	1.34E-03	1.03E-03
3628	564703.8	4222464	0.0100189	5.31E-03	1.32E-03	1.02E-03
3629	565258.1	4222418	0.08703154	4.61E-02	1.14E-02	8.84E-03
3630	565251.7	4222407	0.08901307	4.72E-02	1.17E-02	9.05E-03
3631	565258.2	4222437	0.07734054	4.10E-02	1.02E-02	7.86E-03
3632	565251.8	4222425	0.07927226	4.20E-02	1.04E-02	8.06E-03
3633	565245.3	4222414	0.08145626	4.32E-02	1.07E-02	8.28E-03
3634	565252.1	4222444	0.06994016	3.71E-02	9.19E-03	7.11E-03
3635	565245.6	4222433	0.0723196	3.83E-02	9.50E-03	7.35E-03
3636	565239	4222421	0.07458059	3.95E-02	9.79E-03	7.58E-03
3637	565232.4	4222410	0.07680327	4.07E-02	1.01E-02	7.81E-03
3638	565255.8	4222460	0.06356976	3.37E-02	8.35E-03	6.46E-03
3639	565246	4222452	0.06319582	3.35E-02	8.30E-03	6.42E-03
3640	565239.4	4222440	0.0658705	3.49E-02	8.65E-03	6.69E-03
3641	565232.7	4222429	0.06827931	3.62E-02	8.97E-03	6.94E-03
3642	565226.1	4222417	0.07054862	3.74E-02	9.27E-03	7.17E-03
3643	565256.3	4222469	0.05833847	3.09E-02	7.66E-03	5.93E-03
3644	565239.9	4222460	0.05702526	3.02E-02	7.49E-03	5.80E-03
3645	565233.2	4222448	0.0599276	3.18E-02	7.87E-03	6.09E-03
3646	565226.5	4222436	0.06249218	3.31E-02	8.21E-03	6.35E-03
3647	565219.8	4222424	0.06482904	3.44E-02	8.51E-03	6.59E-03
3648	565213.1	4222412	0.06694134	3.55E-02	8.79E-03	6.80E-03
3649	565257	4222479	0.05311546	2.82E-02	6.98E-03	5.40E-03
3650	565243.8	4222475	0.05083946	2.70E-02	6.68E-03	5.17E-03
3651	565233.8	4222467	0.05146115	2.73E-02	6.76E-03	5.23E-03
3652	565227	4222456	0.0544884	2.89E-02	7.16E-03	5.54E-03
3653	565220.3	4222444	0.05716817	3.03E-02	7.51E-03	5.81E-03
3654	565213.5	4222432	0.05958513	3.16E-02	7.83E-03	6.06E-03
3655	565206.7	4222420	0.06174084	3.27E-02	8.11E-03	6.27E-03
3656	565257.7	4222489	0.04803174	2.55E-02	6.31E-03	4.88E-03
3657	565244.4	4222485	0.04641273	2.46E-02	6.10E-03	4.72E-03
3658	565227.7	4222475	0.04653884	2.47E-02	6.11E-03	4.73E-03
3659	565220.9	4222463	0.04957346	2.63E-02	6.51E-03	5.04E-03
3660	565214.1	4222451	0.05231907	2.77E-02	6.87E-03	5.32E-03
3661	565200.5	4222427	0.0569712	3.02E-02	7.48E-03	5.79E-03
3662	565193.7	4222415	0.05888589	3.12E-02	7.73E-03	5.98E-03
3663	565258.4	4222498	0.04322329	2.29E-02	5.68E-03	4.39E-03

3664	565245.1	4222495	0.04219614	2.24E-02	5.54E-03	4.29E-03
3665	565214.8	4222471	0.04517841	2.40E-02	5.93E-03	4.59E-03
3666	565207.9	4222459	0.04790705	2.54E-02	6.29E-03	4.87E-03
3667	565187.4	4222422	0.05453552	2.89E-02	7.16E-03	5.54E-03
3668	565259.2	4222508	0.03871097	2.05E-02	5.08E-03	3.93E-03
3669	565245.8	4222504	0.03819663	2.03E-02	5.02E-03	3.88E-03
3670	565208.6	4222478	0.04123254	2.19E-02	5.42E-03	4.19E-03
3671	565201.7	4222466	0.04390335	2.33E-02	5.77E-03	4.46E-03
3672	565181.1	4222430	0.05053408	2.68E-02	6.64E-03	5.14E-03
3673	565174.2	4222418	0.0522261	2.77E-02	6.86E-03	5.31E-03
3674	565260.1	4222518	0.03456534	1.83E-02	4.54E-03	3.51E-03
3675	565246.6	4222514	0.03446041	1.83E-02	4.53E-03	3.50E-03
3676	565233.1	4222510	0.03419443	1.81E-02	4.49E-03	3.48E-03
3677	565219.6	4222506	0.03377977	1.79E-02	4.44E-03	3.43E-03
3678	565209.4	4222498	0.03493786	1.85E-02	4.59E-03	3.55E-03
3679	565195.6	4222474	0.04028645	2.14E-02	5.29E-03	4.09E-03
3680	565181.8	4222450	0.04487598	2.38E-02	5.89E-03	4.56E-03
3681	565174.9	4222437	0.04684837	2.48E-02	6.15E-03	4.76E-03
3682	565167.9	4222425	0.04856659	2.57E-02	6.38E-03	4.94E-03
3683	565274.5	4222531	0.0304729	1.62E-02	4.00E-03	3.10E-03
3684	565261	4222527	0.03084456	1.64E-02	4.05E-03	3.13E-03
3685	565247.4	4222524	0.03101611	1.64E-02	4.07E-03	3.15E-03
3686	565233.9	4222520	0.03103776	1.65E-02	4.08E-03	3.15E-03
3687	565220.3	4222516	0.03088353	1.64E-02	4.06E-03	3.14E-03
3688	565203.3	4222506	0.03190141	1.69E-02	4.19E-03	3.24E-03
3689	565182.5	4222469	0.03932096	2.08E-02	5.16E-03	4.00E-03
3690	565175.6	4222457	0.04149413	2.20E-02	5.45E-03	4.22E-03
3691	565168.6	4222445	0.0434521	2.30E-02	5.71E-03	4.42E-03
3692	565161.7	4222433	0.0451825	2.40E-02	5.93E-03	4.59E-03
3693	565154.7	4222420	0.04666419	2.47E-02	6.13E-03	4.74E-03
3694	565275.5	4222541	0.02698091	1.43E-02	3.54E-03	2.74E-03
3695	565261.9	4222537	0.02752102	1.46E-02	3.61E-03	2.80E-03
3696	565248.3	4222533	0.02788649	1.48E-02	3.66E-03	2.83E-03
3697	565234.7	4222529	0.02812506	1.49E-02	3.69E-03	2.86E-03
3698	565221.1	4222526	0.02818593	1.49E-02	3.70E-03	2.86E-03
3699	565207.5	4222522	0.02807232	1.49E-02	3.69E-03	2.85E-03
3700	565183.3	4222489	0.03402369	1.80E-02	4.47E-03	3.46E-03
3701	565176.4	4222477	0.03626044	1.92E-02	4.76E-03	3.69E-03
3702	565169.4	4222465	0.03837646	2.03E-02	5.04E-03	3.90E-03
3703	565162.4	4222452	0.04032558	2.14E-02	5.30E-03	4.10E-03
3704	565155.5	4222440	0.04204129	2.23E-02	5.52E-03	4.27E-03
3705	565148.5	4222428	0.04356058	2.31E-02	5.72E-03	4.43E-03
3706	565276.4	4222551	0.02394067	1.27E-02	3.14E-03	2.43E-03
3707	565262.8	4222547	0.02458533	1.30E-02	3.23E-03	2.50E-03
3708	565249.2	4222543	0.02506955	1.33E-02	3.29E-03	2.55E-03
3709	565235.5	4222539	0.02545751	1.35E-02	3.34E-03	2.59E-03
3710	565221.9	4222535	0.02568454	1.36E-02	3.37E-03	2.61E-03

3711	565208.3	4222531	0.02574124	1.36E-02	3.38E-03	2.62E-03
3712	565177.2	4222497	0.03134309	1.66E-02	4.12E-03	3.19E-03
3713	565170.2	4222484	0.03347069	1.77E-02	4.40E-03	3.40E-03
3714	565163.2	4222472	0.03551535	1.88E-02	4.66E-03	3.61E-03
3715	565156.2	4222460	0.03742053	1.98E-02	4.91E-03	3.80E-03
3716	565149.2	4222448	0.03912828	2.07E-02	5.14E-03	3.98E-03
3717	565142.3	4222435	0.04065829	2.16E-02	5.34E-03	4.13E-03
3718	565135.3	4222423	0.04197273	2.23E-02	5.51E-03	4.27E-03
3719	565277.4	4222560	0.02130399	1.13E-02	2.80E-03	2.17E-03
3720	565263.8	4222557	0.02199131	1.17E-02	2.89E-03	2.23E-03
3721	565250.1	4222553	0.0225542	1.20E-02	2.96E-03	2.29E-03
3722	565222.8	4222545	0.02338826	1.24E-02	3.07E-03	2.38E-03
3723	565209.1	4222541	0.023572	1.25E-02	3.10E-03	2.40E-03
3724	565178.1	4222517	0.02684336	1.42E-02	3.53E-03	2.73E-03
3725	565171.1	4222504	0.02894149	1.53E-02	3.80E-03	2.94E-03
3726	565164.1	4222492	0.0309564	1.64E-02	4.07E-03	3.15E-03
3727	565157.1	4222480	0.03291073	1.74E-02	4.32E-03	3.34E-03
3728	565150.1	4222467	0.03475426	1.84E-02	4.56E-03	3.53E-03
3729	565143	4222455	0.03643084	1.93E-02	4.78E-03	3.70E-03
3730	565136	4222443	0.0379548	2.01E-02	4.98E-03	3.86E-03
3731	565129	4222430	0.03930921	2.08E-02	5.16E-03	3.99E-03
3732	565267.5	4222567	0.0195939	1.04E-02	2.57E-03	1.99E-03
3733	565254.4	4222563	0.02017998	1.07E-02	2.65E-03	2.05E-03
3734	565215.2	4222552	0.02146311	1.14E-02	2.82E-03	2.18E-03
3735	565202.1	4222549	0.02168455	1.15E-02	2.85E-03	2.20E-03
3736	565179.2	4222537	0.02281227	1.21E-02	3.00E-03	2.32E-03
3737	565172.5	4222525	0.02469577	1.31E-02	3.24E-03	2.51E-03
3738	565165.7	4222514	0.02656812	1.41E-02	3.49E-03	2.70E-03
3739	565159	4222502	0.02839443	1.51E-02	3.73E-03	2.89E-03
3740	565152.3	4222490	0.0301775	1.60E-02	3.96E-03	3.07E-03
3741	565145.6	4222478	0.03189237	1.69E-02	4.19E-03	3.24E-03
3742	565138.9	4222466	0.03348893	1.78E-02	4.40E-03	3.40E-03
3743	565132.2	4222454	0.03494606	1.85E-02	4.59E-03	3.55E-03
3744	565125.5	4222443	0.03631389	1.93E-02	4.77E-03	3.69E-03
3745	565268.4	4222577	0.01763246	9.35E-03	2.32E-03	1.79E-03
3746	565255.3	4222573	0.01821803	9.66E-03	2.39E-03	1.85E-03
3747	565173.1	4222545	0.02114223	1.12E-02	2.78E-03	2.15E-03
3748	565166.3	4222533	0.02289668	1.21E-02	3.01E-03	2.33E-03
3749	565159.6	4222521	0.02464518	1.31E-02	3.24E-03	2.50E-03
3750	565152.9	4222509	0.02636175	1.40E-02	3.46E-03	2.68E-03
3751	565146.1	4222497	0.02806113	1.49E-02	3.69E-03	2.85E-03
3752	565139.4	4222486	0.02971441	1.58E-02	3.90E-03	3.02E-03
3753	565132.7	4222474	0.03125476	1.66E-02	4.10E-03	3.18E-03
3754	565125.9	4222462	0.03268986	1.73E-02	4.29E-03	3.32E-03
3755	565105.7	4222426	0.03623374	1.92E-02	4.76E-03	3.68E-03
3756	565269.3	4222587	0.01593926	8.45E-03	2.09E-03	1.62E-03
3757	565256.1	4222583	0.01649809	8.75E-03	2.17E-03	1.68E-03

3758	565242.9	4222579	0.01701392	9.02E-03	2.23E-03	1.73E-03
3759	565229.7	4222575	0.01747439	9.26E-03	2.29E-03	1.78E-03
3760	565216.5	4222572	0.01789209	9.49E-03	2.35E-03	1.82E-03
3761	565167	4222553	0.01964102	1.04E-02	2.58E-03	2.00E-03
3762	565160.2	4222541	0.02127502	1.13E-02	2.79E-03	2.16E-03
3763	565153.5	4222529	0.02290902	1.21E-02	3.01E-03	2.33E-03
3764	565146.7	4222517	0.02451093	1.30E-02	3.22E-03	2.49E-03
3765	565139.9	4222505	0.02612266	1.39E-02	3.43E-03	2.65E-03
3766	565133.2	4222493	0.02770572	1.47E-02	3.64E-03	2.82E-03
3767	565126.4	4222481	0.02921562	1.55E-02	3.84E-03	2.97E-03
3768	565106.1	4222445	0.03308285	1.75E-02	4.34E-03	3.36E-03
3769	565099.4	4222433	0.03410847	1.81E-02	4.48E-03	3.47E-03
3770	565270.2	4222596	0.01447033	7.67E-03	1.90E-03	1.47E-03
3771	565256.9	4222593	0.0149907	7.95E-03	1.97E-03	1.52E-03
3772	565243.7	4222589	0.0154867	8.21E-03	2.03E-03	1.57E-03
3773	565230.5	4222585	0.01594324	8.45E-03	2.09E-03	1.62E-03
3774	565217.2	4222581	0.01636563	8.68E-03	2.15E-03	1.66E-03
3775	565204	4222578	0.0167471	8.88E-03	2.20E-03	1.70E-03
3776	565190.8	4222574	0.01706978	9.05E-03	2.24E-03	1.73E-03
3777	565177.5	4222570	0.01733485	9.19E-03	2.28E-03	1.76E-03
3778	565154.1	4222548	0.01981241	1.05E-02	2.60E-03	2.01E-03
3779	565147.3	4222536	0.02134326	1.13E-02	2.80E-03	2.17E-03
3780	565140.5	4222524	0.02285388	1.21E-02	3.00E-03	2.32E-03
3781	565133.8	4222512	0.02434463	1.29E-02	3.20E-03	2.47E-03
3782	565127	4222501	0.02587526	1.37E-02	3.40E-03	2.63E-03
3783	565106.6	4222465	0.02994277	1.59E-02	3.93E-03	3.04E-03
3784	565099.8	4222453	0.0310943	1.65E-02	4.08E-03	3.16E-03
3785	565093.1	4222441	0.03212183	1.70E-02	4.22E-03	3.26E-03
3786	565086.3	4222429	0.03298236	1.75E-02	4.33E-03	3.35E-03
3787	565271.1	4222606	0.01319247	6.99E-03	1.73E-03	1.34E-03
3788	565257.8	4222602	0.01366934	7.25E-03	1.80E-03	1.39E-03
3789	565244.5	4222598	0.01413729	7.50E-03	1.86E-03	1.44E-03
3790	565231.3	4222595	0.01457912	7.73E-03	1.91E-03	1.48E-03
3791	565218	4222591	0.01499874	7.95E-03	1.97E-03	1.52E-03
3792	565204.7	4222587	0.01538965	8.16E-03	2.02E-03	1.56E-03
3793	565191.4	4222583	0.01573291	8.34E-03	2.07E-03	1.60E-03
3794	565178.1	4222580	0.01602345	8.50E-03	2.10E-03	1.63E-03
3795	565164.9	4222576	0.01627036	8.63E-03	2.14E-03	1.65E-03
3796	565154.8	4222568	0.01705502	9.04E-03	2.24E-03	1.73E-03
3797	565148	4222556	0.01847761	9.80E-03	2.43E-03	1.88E-03
3798	565141.2	4222544	0.01992995	1.06E-02	2.62E-03	2.03E-03
3799	565134.4	4222532	0.02135313	1.13E-02	2.80E-03	2.17E-03
3800	565127.6	4222520	0.0227708	1.21E-02	2.99E-03	2.31E-03
3801	565107.2	4222484	0.02691256	1.43E-02	3.53E-03	2.74E-03
3802	565100.4	4222472	0.02813507	1.49E-02	3.69E-03	2.86E-03
3803	565093.5	4222460	0.02925763	1.55E-02	3.84E-03	2.97E-03
3804	565086.7	4222448	0.03027212	1.61E-02	3.98E-03	3.08E-03

3805	565079.9	4222436	0.03114688	1.65E-02	4.09E-03	3.17E-03
3806	565272	4222616	0.01207814	6.40E-03	1.59E-03	1.23E-03
3807	565258.7	4222612	0.01251131	6.63E-03	1.64E-03	1.27E-03
3808	565245.4	4222608	0.01294499	6.86E-03	1.70E-03	1.32E-03
3809	565232.1	4222604	0.01336506	7.09E-03	1.76E-03	1.36E-03
3810	565218.8	4222601	0.01377021	7.30E-03	1.81E-03	1.40E-03
3811	565205.4	4222597	0.01416069	7.51E-03	1.86E-03	1.44E-03
3812	565192.1	4222593	0.01451226	7.69E-03	1.91E-03	1.47E-03
3813	565178.8	4222589	0.01481259	7.85E-03	1.95E-03	1.51E-03
3814	565165.5	4222586	0.01507717	7.99E-03	1.98E-03	1.53E-03
3815	565148.7	4222576	0.01593461	8.45E-03	2.09E-03	1.62E-03
3816	565135.1	4222552	0.01863008	9.88E-03	2.45E-03	1.89E-03
3817	565128.2	4222540	0.01998568	1.06E-02	2.62E-03	2.03E-03
3818	565107.8	4222504	0.0240124	1.27E-02	3.15E-03	2.44E-03
3819	565100.9	4222491	0.02527114	1.34E-02	3.32E-03	2.57E-03
3820	565094.1	4222479	0.02645728	1.40E-02	3.47E-03	2.69E-03
3821	565087.3	4222467	0.02755752	1.46E-02	3.62E-03	2.80E-03
3822	565080.4	4222455	0.0285545	1.51E-02	3.75E-03	2.90E-03
3823	565073.6	4222443	0.02943187	1.56E-02	3.87E-03	2.99E-03
3824	565066.8	4222431	0.03018051	1.60E-02	3.96E-03	3.07E-03
3825	565286.4	4222629	0.01073346	5.69E-03	1.41E-03	1.09E-03
3826	565273	4222625	0.01110537	5.89E-03	1.46E-03	1.13E-03
3827	565259.6	4222622	0.01149459	6.09E-03	1.51E-03	1.17E-03
3828	565246.3	4222618	0.01189344	6.31E-03	1.56E-03	1.21E-03
3829	565232.9	4222614	0.01229057	6.52E-03	1.61E-03	1.25E-03
3830	565219.6	4222610	0.01267476	6.72E-03	1.66E-03	1.29E-03
3831	565206.2	4222607	0.01304946	6.92E-03	1.71E-03	1.33E-03
3832	565192.8	4222603	0.01340008	7.10E-03	1.76E-03	1.36E-03
3833	565179.5	4222599	0.01370318	7.27E-03	1.80E-03	1.39E-03
3834	565166.1	4222595	0.01397556	7.41E-03	1.84E-03	1.42E-03
3835	565152.8	4222591	0.01422546	7.54E-03	1.87E-03	1.45E-03
3836	565142.6	4222583	0.01492762	7.91E-03	1.96E-03	1.52E-03
3837	565135.8	4222571	0.01614822	8.56E-03	2.12E-03	1.64E-03
3838	565101.6	4222511	0.02254868	1.20E-02	2.96E-03	2.29E-03
3839	565094.7	4222499	0.02374766	1.26E-02	3.12E-03	2.41E-03
3840	565087.9	4222487	0.02490206	1.32E-02	3.27E-03	2.53E-03
3841	565081	4222475	0.02597376	1.38E-02	3.41E-03	2.64E-03
3842	565074.2	4222463	0.02695681	1.43E-02	3.54E-03	2.74E-03
3843	565067.3	4222451	0.02783595	1.48E-02	3.66E-03	2.83E-03
3844	565060.5	4222439	0.02859925	1.52E-02	3.76E-03	2.91E-03
3845	565287.3	4222639	0.009923499	5.26E-03	1.30E-03	1.01E-03
3846	565274	4222635	0.01025164	5.44E-03	1.35E-03	1.04E-03
3847	565260.6	4222631	0.01059912	5.62E-03	1.39E-03	1.08E-03
3848	565247.2	4222628	0.01096273	5.81E-03	1.44E-03	1.11E-03
3849	565233.8	4222624	0.01133439	6.01E-03	1.49E-03	1.15E-03
3850	565220.4	4222620	0.01169887	6.20E-03	1.54E-03	1.19E-03
3851	565207	4222616	0.01205275	6.39E-03	1.58E-03	1.22E-03

3852	565193.6	4222612	0.01239148	6.57E-03	1.63E-03	1.26E-03
3853	565180.2	4222609	0.0126924	6.73E-03	1.67E-03	1.29E-03
3854	565166.8	4222605	0.01296231	6.87E-03	1.70E-03	1.32E-03
3855	565153.4	4222601	0.0132334	7.02E-03	1.74E-03	1.34E-03
3856	565136.6	4222591	0.01402051	7.43E-03	1.84E-03	1.42E-03
3857	565129.7	4222579	0.01514869	8.03E-03	1.99E-03	1.54E-03
3858	565102.2	4222531	0.01998401	1.06E-02	2.62E-03	2.03E-03
3859	565095.4	4222519	0.02118113	1.12E-02	2.78E-03	2.15E-03
3860	565088.5	4222506	0.02233265	1.18E-02	2.93E-03	2.27E-03
3861	565081.6	4222494	0.02344588	1.24E-02	3.08E-03	2.38E-03
3862	565074.8	4222482	0.02450112	1.30E-02	3.22E-03	2.49E-03
3863	565067.9	4222470	0.02546603	1.35E-02	3.34E-03	2.59E-03
3864	565061	4222458	0.02633902	1.40E-02	3.46E-03	2.68E-03
3865	565054.2	4222446	0.02710902	1.44E-02	3.56E-03	2.75E-03
3866	565047.3	4222434	0.02776403	1.47E-02	3.65E-03	2.82E-03
3867	565288.4	4222649	0.009211033	4.88E-03	1.21E-03	9.36E-04
3868	565274.9	4222645	0.009499742	5.04E-03	1.25E-03	9.65E-04
3869	565261.5	4222641	0.009808246	5.20E-03	1.29E-03	9.97E-04
3870	565234.6	4222633	0.01048203	5.56E-03	1.38E-03	1.07E-03
3871	565221.2	4222630	0.01082343	5.74E-03	1.42E-03	1.10E-03
3872	565207.8	4222626	0.01115378	5.91E-03	1.46E-03	1.13E-03
3873	565194.4	4222622	0.01147493	6.08E-03	1.51E-03	1.17E-03
3874	565180.9	4222618	0.01177897	6.25E-03	1.55E-03	1.20E-03
3875	565167.5	4222615	0.01205382	6.39E-03	1.58E-03	1.22E-03
3876	565154.1	4222611	0.01232144	6.53E-03	1.62E-03	1.25E-03
3877	565140.6	4222607	0.01257285	6.67E-03	1.65E-03	1.28E-03
3878	565130.5	4222599	0.01319932	7.00E-03	1.73E-03	1.34E-03
3879	565123.6	4222587	0.01425451	7.56E-03	1.87E-03	1.45E-03
3880	565116.7	4222575	0.01534735	8.14E-03	2.02E-03	1.56E-03
3881	565102.9	4222550	0.01762356	9.34E-03	2.31E-03	1.79E-03
3882	565096.1	4222538	0.01877864	9.96E-03	2.47E-03	1.91E-03
3883	565089.2	4222526	0.01991639	1.06E-02	2.62E-03	2.02E-03
3884	565082.3	4222514	0.02101668	1.11E-02	2.76E-03	2.14E-03
3885	565075.4	4222502	0.02208881	1.17E-02	2.90E-03	2.24E-03
3886	565068.5	4222490	0.02312277	1.23E-02	3.04E-03	2.35E-03
3887	565061.7	4222478	0.02407246	1.28E-02	3.16E-03	2.45E-03
3888	565054.8	4222465	0.02493453	1.32E-02	3.27E-03	2.53E-03
3889	565047.9	4222453	0.02570539	1.36E-02	3.38E-03	2.61E-03
3890	565041	4222441	0.0263679	1.40E-02	3.46E-03	2.68E-03
3891	565289.4	4222658	0.008580306	4.55E-03	1.13E-03	8.72E-04
3892	565275.9	4222655	0.008834344	4.68E-03	1.16E-03	8.98E-04
3893	565262.4	4222651	0.00910896	4.83E-03	1.20E-03	9.26E-04
3894	565235.5	4222643	0.009717094	5.15E-03	1.28E-03	9.88E-04
3895	565222.1	4222639	0.01003617	5.32E-03	1.32E-03	1.02E-03
3896	565208.6	4222636	0.01034475	5.48E-03	1.36E-03	1.05E-03
3897	565195.1	4222632	0.01064594	5.64E-03	1.40E-03	1.08E-03
3898	565181.7	4222628	0.01094372	5.80E-03	1.44E-03	1.11E-03

3899	565168.2	4222624	0.0112225	5.95E-03	1.47E-03	1.14E-03
3900	565154.8	4222620	0.01148706	6.09E-03	1.51E-03	1.17E-03
3901	565141.3	4222617	0.01173746	6.22E-03	1.54E-03	1.19E-03
3902	565124.4	4222607	0.01244589	6.60E-03	1.63E-03	1.26E-03
3903	565117.5	4222595	0.01343534	7.12E-03	1.76E-03	1.37E-03
3904	565110.6	4222582	0.01445715	7.67E-03	1.90E-03	1.47E-03
3905	565103.7	4222570	0.01551343	8.23E-03	2.04E-03	1.58E-03
3906	565089.9	4222546	0.01767665	9.37E-03	2.32E-03	1.80E-03
3907	565083	4222534	0.01875548	9.94E-03	2.46E-03	1.91E-03
3908	565076.1	4222522	0.01980281	1.05E-02	2.60E-03	2.01E-03
3909	565069.2	4222509	0.02083158	1.10E-02	2.74E-03	2.12E-03
3910	565062.3	4222497	0.02183245	1.16E-02	2.87E-03	2.22E-03
3911	565055.4	4222485	0.02277102	1.21E-02	2.99E-03	2.31E-03
3912	565048.5	4222473	0.02361904	1.25E-02	3.10E-03	2.40E-03
3913	565041.6	4222461	0.02438159	1.29E-02	3.20E-03	2.48E-03
3914	565034.7	4222448	0.02504217	1.33E-02	3.29E-03	2.54E-03
3915	565027.8	4222436	0.02560261	1.36E-02	3.36E-03	2.60E-03
3916	565290.4	4222668	0.008020478	4.25E-03	1.05E-03	8.15E-04
3917	565276.9	4222664	0.008243613	4.37E-03	1.08E-03	8.38E-04
3918	565263.4	4222661	0.008487243	4.50E-03	1.11E-03	8.63E-04
3919	565249.9	4222657	0.008749594	4.64E-03	1.15E-03	8.89E-04
3920	565222.9	4222649	0.0093258	4.94E-03	1.22E-03	9.48E-04
3921	565209.5	4222645	0.009611739	5.10E-03	1.26E-03	9.77E-04
3922	565196	4222641	0.009895661	5.25E-03	1.30E-03	1.01E-03
3923	565182.5	4222638	0.01018249	5.40E-03	1.34E-03	1.03E-03
3924	565169	4222634	0.01045896	5.55E-03	1.37E-03	1.06E-03
3925	565155.5	4222630	0.01071878	5.68E-03	1.41E-03	1.09E-03
3926	565142	4222626	0.01096445	5.81E-03	1.44E-03	1.11E-03
3927	565128.5	4222622	0.01119369	5.93E-03	1.47E-03	1.14E-03
3928	565118.3	4222614	0.01175072	6.23E-03	1.54E-03	1.19E-03
3929	565111.4	4222602	0.01268113	6.72E-03	1.67E-03	1.29E-03
3930	565104.5	4222590	0.01364215	7.23E-03	1.79E-03	1.39E-03
3931	565097.6	4222578	0.01463577	7.76E-03	1.92E-03	1.49E-03
3932	565083.8	4222553	0.01667817	8.84E-03	2.19E-03	1.69E-03
3933	565076.8	4222541	0.01768956	9.38E-03	2.32E-03	1.80E-03
3934	565069.9	4222529	0.01869221	9.91E-03	2.45E-03	1.90E-03
3935	565063	4222517	0.01966749	1.04E-02	2.58E-03	2.00E-03
3936	565056.1	4222505	0.02063087	1.09E-02	2.71E-03	2.10E-03
3937	565049.2	4222492	0.02154453	1.14E-02	2.83E-03	2.19E-03
3938	565042.3	4222480	0.02238284	1.19E-02	2.94E-03	2.27E-03
3939	565291.4	4222678	0.007520227	3.99E-03	9.88E-04	7.64E-04
3940	565277.9	4222674	0.00771695	4.09E-03	1.01E-03	7.84E-04
3941	565264.4	4222670	0.00793258	4.21E-03	1.04E-03	8.06E-04
3942	565250.9	4222666	0.008166797	4.33E-03	1.07E-03	8.30E-04
3943	565142.7	4222636	0.01025097	5.44E-03	1.35E-03	1.04E-03
3944	565129.2	4222632	0.01047899	5.56E-03	1.38E-03	1.06E-03
3945	565112.2	4222622	0.01111429	5.89E-03	1.46E-03	1.13E-03

3946	565105.3	4222610	0.01198612	6.36E-03	1.57E-03	1.22E-03
3947	565098.4	4222598	0.01289163	6.84E-03	1.69E-03	1.31E-03
3948	565091.5	4222585	0.01383083	7.33E-03	1.82E-03	1.41E-03
3949	565084.5	4222573	0.01479432	7.84E-03	1.94E-03	1.50E-03
3950	565070.7	4222549	0.01671259	8.86E-03	2.19E-03	1.70E-03
3951	565063.7	4222537	0.01766552	9.37E-03	2.32E-03	1.80E-03
3952	565056.8	4222524	0.0186005	9.86E-03	2.44E-03	1.89E-03
3953	565049.9	4222512	0.01951235	1.03E-02	2.56E-03	1.98E-03
3954	565293.5	4222698	0.006654343	3.53E-03	8.74E-04	6.76E-04
3955	565279.9	4222694	0.006807923	3.61E-03	8.94E-04	6.92E-04
3956	565266.3	4222690	0.006977614	3.70E-03	9.16E-04	7.09E-04
3957	565252.7	4222686	0.007162556	3.80E-03	9.41E-04	7.28E-04
3958	565225.6	4222679	0.00758556	4.02E-03	9.96E-04	7.71E-04
3959	565212	4222675	0.007808291	4.14E-03	1.03E-03	7.94E-04
3960	565198.4	4222671	0.008034384	4.26E-03	1.06E-03	8.17E-04
3961	565184.8	4222667	0.008266529	4.38E-03	1.09E-03	8.40E-04
3962	565171.3	4222663	0.008504	4.51E-03	1.12E-03	8.64E-04
3963	565157.7	4222659	0.008741766	4.63E-03	1.15E-03	8.88E-04
3964	565144.1	4222655	0.008975149	4.76E-03	1.18E-03	9.12E-04
3965	565130.5	4222652	0.009195836	4.88E-03	1.21E-03	9.35E-04
3966	565099.9	4222638	0.009972182	5.29E-03	1.31E-03	1.01E-03
3967	565092.9	4222626	0.01073634	5.69E-03	1.41E-03	1.09E-03
3968	565086	4222613	0.01153526	6.12E-03	1.51E-03	1.17E-03
3969	565079	4222601	0.01236569	6.56E-03	1.62E-03	1.26E-03
3970	565072	4222589	0.0132277	7.01E-03	1.74E-03	1.34E-03
3971	565065.1	4222576	0.0141005	7.48E-03	1.85E-03	1.43E-03
3972	565051.2	4222552	0.01581497	8.39E-03	2.08E-03	1.61E-03
3973	565030.3	4222515	0.01829907	9.70E-03	2.40E-03	1.86E-03
3974	565023.3	4222503	0.01906936	1.01E-02	2.50E-03	1.94E-03
3975	565016.4	4222491	0.01978218	1.05E-02	2.60E-03	2.01E-03
3976	565009.4	4222478	0.02043628	1.08E-02	2.68E-03	2.08E-03
3977	565002.4	4222466	0.02103155	1.12E-02	2.76E-03	2.14E-03
3978	565295.5	4222718	0.00594454	3.15E-03	7.81E-04	6.04E-04
3979	565281.9	4222714	0.006063423	3.21E-03	7.96E-04	6.16E-04
3980	565268.3	4222710	0.006200543	3.29E-03	8.14E-04	6.30E-04
3981	565241	4222702	0.006514911	3.45E-03	8.56E-04	6.62E-04
3982	565227.4	4222698	0.006691944	3.55E-03	8.79E-04	6.80E-04
3983	565213.7	4222694	0.006878661	3.65E-03	9.03E-04	6.99E-04
3984	565200.1	4222691	0.007072882	3.75E-03	9.29E-04	7.19E-04
3985	565186.5	4222687	0.007272455	3.86E-03	9.55E-04	7.39E-04
3986	565172.8	4222683	0.007477059	3.96E-03	9.82E-04	7.60E-04
3987	565159.2	4222679	0.007684459	4.07E-03	1.01E-03	7.81E-04
3988	565145.6	4222675	0.007894064	4.19E-03	1.04E-03	8.02E-04
3989	565131.9	4222671	0.008101034	4.30E-03	1.06E-03	8.23E-04
3990	565118.3	4222667	0.008296573	4.40E-03	1.09E-03	8.43E-04
3991	565104.6	4222664	0.00848415	4.50E-03	1.11E-03	8.62E-04
3992	565087.5	4222654	0.008986231	4.76E-03	1.18E-03	9.13E-04

3993	565073.5	4222629	0.01037558	5.50E-03	1.36E-03	1.05E-03
3994	565066.6	4222617	0.01111524	5.89E-03	1.46E-03	1.13E-03
3995	565059.6	4222604	0.01188139	6.30E-03	1.56E-03	1.21E-03
3996	565052.6	4222592	0.0126637	6.71E-03	1.66E-03	1.29E-03
3997	565031.6	4222555	0.01500452	7.96E-03	1.97E-03	1.52E-03
3998	565024.6	4222543	0.01577261	8.36E-03	2.07E-03	1.60E-03
3999	565017.6	4222530	0.01651208	8.75E-03	2.17E-03	1.68E-03
4000	565010.6	4222518	0.01721244	9.13E-03	2.26E-03	1.75E-03
4001	565003.6	4222506	0.01788854	9.48E-03	2.35E-03	1.82E-03
4002	564996.7	4222493	0.01852333	9.82E-03	2.43E-03	1.88E-03
4003	564989.7	4222481	0.01910634	1.01E-02	2.51E-03	1.94E-03
4004	564968.7	4222444	0.02047471	1.09E-02	2.69E-03	2.08E-03
4005	565298.8	4222738	0.005349747	2.84E-03	7.03E-04	5.44E-04
4006	565285.5	4222734	0.005437619	2.88E-03	7.14E-04	5.53E-04
4007	565272.2	4222730	0.005543483	2.94E-03	7.28E-04	5.63E-04
4008	565245.5	4222723	0.005789696	3.07E-03	7.60E-04	5.88E-04
4009	565232.1	4222719	0.005928294	3.14E-03	7.79E-04	6.02E-04
4010	565218.8	4222715	0.006075796	3.22E-03	7.98E-04	6.17E-04
4011	565205.4	4222711	0.006231796	3.30E-03	8.18E-04	6.33E-04
4012	565192.1	4222708	0.006395651	3.39E-03	8.40E-04	6.50E-04
4013	565178.7	4222704	0.006565369	3.48E-03	8.62E-04	6.67E-04
4014	565165.4	4222700	0.006739632	3.57E-03	8.85E-04	6.85E-04
4015	565152.1	4222696	0.006917096	3.67E-03	9.08E-04	7.03E-04
4016	565138.7	4222692	0.007094641	3.76E-03	9.32E-04	7.21E-04
4017	565125.4	4222689	0.007271379	3.86E-03	9.55E-04	7.39E-04
4018	565112	4222685	0.007445159	3.95E-03	9.78E-04	7.57E-04
4019	565098.7	4222681	0.007613585	4.04E-03	1.00E-03	7.74E-04
4020	565085.3	4222677	0.007775611	4.12E-03	1.02E-03	7.90E-04
4021	565075.2	4222669	0.008132961	4.31E-03	1.07E-03	8.27E-04
4022	565068.4	4222657	0.008716592	4.62E-03	1.14E-03	8.86E-04
4023	565054.7	4222633	0.009976028	5.29E-03	1.31E-03	1.01E-03
4024	565027.4	4222585	0.01271053	6.74E-03	1.67E-03	1.29E-03
4025	565020.5	4222573	0.0134014	7.11E-03	1.76E-03	1.36E-03
4026	565013.7	4222561	0.01409353	7.47E-03	1.85E-03	1.43E-03
4027	565006.8	4222549	0.01477117	7.83E-03	1.94E-03	1.50E-03
4028	565000	4222537	0.01541921	8.18E-03	2.02E-03	1.57E-03
4029	564993.2	4222525	0.01603716	8.50E-03	2.11E-03	1.63E-03
4030	564986.3	4222513	0.01662701	8.82E-03	2.18E-03	1.69E-03
4031	564979.5	4222501	0.01719515	9.12E-03	2.26E-03	1.75E-03
4032	564972.7	4222488	0.01771595	9.39E-03	2.33E-03	1.80E-03
4033	564952.1	4222452	0.01898149	1.01E-02	2.49E-03	1.93E-03
4034	565300.9	4222758	0.004858022	2.58E-03	6.38E-04	4.94E-04
4035	565287.5	4222754	0.004928975	2.61E-03	6.47E-04	5.01E-04
4036	565274.1	4222750	0.0050137	2.66E-03	6.58E-04	5.10E-04
4037	565247.3	4222742	0.005214699	2.76E-03	6.85E-04	5.30E-04
4038	565233.9	4222739	0.005328096	2.82E-03	7.00E-04	5.41E-04
4039	565220.5	4222735	0.005449506	2.89E-03	7.16E-04	5.54E-04

4040	565207.1	4222731	0.005578853	2.96E-03	7.33E-04	5.67E-04
4041	565193.7	4222727	0.005715058	3.03E-03	7.51E-04	5.81E-04
4042	565180.3	4222723	0.005857745	3.11E-03	7.69E-04	5.95E-04
4043	565166.9	4222720	0.006006053	3.18E-03	7.89E-04	6.10E-04
4044	565153.5	4222716	0.006158772	3.27E-03	8.09E-04	6.26E-04
4045	565140	4222712	0.006314557	3.35E-03	8.29E-04	6.42E-04
4046	565126.6	4222708	0.006471795	3.43E-03	8.50E-04	6.58E-04
4047	565113.2	4222704	0.006628899	3.51E-03	8.71E-04	6.74E-04
4048	565099.8	4222701	0.006784335	3.60E-03	8.91E-04	6.89E-04
4049	565086.4	4222697	0.00693665	3.68E-03	9.11E-04	7.05E-04
4050	565073	4222693	0.007084555	3.76E-03	9.30E-04	7.20E-04
4051	565062.9	4222685	0.007403308	3.93E-03	9.72E-04	7.52E-04
4052	565056	4222673	0.007921203	4.20E-03	1.04E-03	8.05E-04
4053	565049.1	4222661	0.008468927	4.49E-03	1.11E-03	8.61E-04
4054	565028.5	4222625	0.01025788	5.44E-03	1.35E-03	1.04E-03
4055	565021.7	4222612	0.01088696	5.77E-03	1.43E-03	1.11E-03
4056	565014.8	4222600	0.01152057	6.11E-03	1.51E-03	1.17E-03
4057	565007.9	4222588	0.01215116	6.44E-03	1.60E-03	1.23E-03
4058	565001	4222576	0.01277648	6.77E-03	1.68E-03	1.30E-03
4059	564994.2	4222564	0.01340248	7.11E-03	1.76E-03	1.36E-03
4060	564987.3	4222552	0.01401427	7.43E-03	1.84E-03	1.42E-03
4061	564980.4	4222540	0.01460024	7.74E-03	1.92E-03	1.48E-03
4062	564973.6	4222528	0.01516168	8.04E-03	1.99E-03	1.54E-03
4063	564966.7	4222515	0.01569929	8.32E-03	2.06E-03	1.60E-03
4064	564959.8	4222503	0.01620094	8.59E-03	2.13E-03	1.65E-03
4065	564939.2	4222467	0.01746062	9.26E-03	2.29E-03	1.77E-03
4066	564932.3	4222455	0.01778429	9.43E-03	2.34E-03	1.81E-03
4067	565303	4222777	0.004438515	2.35E-03	5.83E-04	4.51E-04
4068	565289.5	4222774	0.004496262	2.38E-03	5.90E-04	4.57E-04
4069	565276.1	4222770	0.004564822	2.42E-03	5.99E-04	4.64E-04
4070	565087.6	4222716	0.006211247	3.29E-03	8.16E-04	6.31E-04
4071	565074.2	4222713	0.006349039	3.37E-03	8.34E-04	6.45E-04
4072	565060.7	4222709	0.006483845	3.44E-03	8.52E-04	6.59E-04
4073	565050.5	4222701	0.006769084	3.59E-03	8.89E-04	6.88E-04
4074	565029.8	4222664	0.008232209	4.36E-03	1.08E-03	8.37E-04
4075	565022.9	4222652	0.008768582	4.65E-03	1.15E-03	8.91E-04
4076	565009.1	4222628	0.009892809	5.25E-03	1.30E-03	1.01E-03
4077	565002.2	4222616	0.01047222	5.55E-03	1.38E-03	1.06E-03
4078	564995.3	4222603	0.01105461	5.86E-03	1.45E-03	1.12E-03
4079	564988.4	4222591	0.01163025	6.17E-03	1.53E-03	1.18E-03
4080	564981.5	4222579	0.01219912	6.47E-03	1.60E-03	1.24E-03
4081	564974.6	4222567	0.01276457	6.77E-03	1.68E-03	1.30E-03
4082	564967.7	4222555	0.013317	7.06E-03	1.75E-03	1.35E-03
4083	564960.8	4222543	0.01385044	7.34E-03	1.82E-03	1.41E-03
4084	564953.9	4222530	0.0143622	7.61E-03	1.89E-03	1.46E-03
4085	564947	4222518	0.01484599	7.87E-03	1.95E-03	1.51E-03
4086	564940.1	4222506	0.0152931	8.11E-03	2.01E-03	1.55E-03

4087	564919.4	4222470	0.01641826	8.70E-03	2.16E-03	1.67E-03
4088	564912.5	4222457	0.01670278	8.86E-03	2.19E-03	1.70E-03
4089	565305.1	4222797	0.004077051	2.16E-03	5.35E-04	4.14E-04
4090	565291.6	4222793	0.004125034	2.19E-03	5.42E-04	4.19E-04
4091	565278.1	4222790	0.00418071	2.22E-03	5.49E-04	4.25E-04
4092	565251.1	4222782	0.004318018	2.29E-03	5.67E-04	4.39E-04
4093	565237.5	4222778	0.004396341	2.33E-03	5.77E-04	4.47E-04
4094	565224	4222774	0.004480447	2.38E-03	5.88E-04	4.55E-04
4095	565210.5	4222770	0.004570066	2.42E-03	6.00E-04	4.64E-04
4096	565197	4222767	0.004665093	2.47E-03	6.13E-04	4.74E-04
4097	565183.5	4222763	0.00476539	2.53E-03	6.26E-04	4.84E-04
4098	565170	4222759	0.004870825	2.58E-03	6.40E-04	4.95E-04
4099	565156.5	4222755	0.004981155	2.64E-03	6.54E-04	5.06E-04
4100	565143	4222751	0.005096004	2.70E-03	6.69E-04	5.18E-04
4101	565129.5	4222747	0.005214726	2.76E-03	6.85E-04	5.30E-04
4102	565115.9	4222744	0.005336568	2.83E-03	7.01E-04	5.42E-04
4103	565102.4	4222740	0.005460615	2.90E-03	7.17E-04	5.55E-04
4104	565088.9	4222736	0.005585792	2.96E-03	7.34E-04	5.68E-04
4105	565075.4	4222732	0.00571113	3.03E-03	7.50E-04	5.80E-04
4106	565061.9	4222728	0.005835555	3.09E-03	7.66E-04	5.93E-04
4107	565031.2	4222704	0.006626048	3.51E-03	8.70E-04	6.73E-04
4108	565024.3	4222692	0.007062661	3.74E-03	9.28E-04	7.18E-04
4109	565017.4	4222680	0.007523105	3.99E-03	9.88E-04	7.65E-04
4110	565010.5	4222668	0.008005417	4.24E-03	1.05E-03	8.14E-04
4111	565003.5	4222655	0.008505964	4.51E-03	1.12E-03	8.64E-04
4112	564989.7	4222631	0.009548425	5.06E-03	1.25E-03	9.70E-04
4113	564982.8	4222619	0.01008149	5.35E-03	1.32E-03	1.02E-03
4114	564975.8	4222607	0.01061719	5.63E-03	1.39E-03	1.08E-03
4115	564968.9	4222594	0.0111435	5.91E-03	1.46E-03	1.13E-03
4116	564962	4222582	0.01166234	6.18E-03	1.53E-03	1.19E-03
4117	564955.1	4222570	0.01217343	6.45E-03	1.60E-03	1.24E-03
4118	564948.1	4222558	0.012676	6.72E-03	1.66E-03	1.29E-03
4119	564941.2	4222546	0.01315677	6.98E-03	1.73E-03	1.34E-03
4120	564934.3	4222533	0.01361684	7.22E-03	1.79E-03	1.38E-03
4121	564927.4	4222521	0.01405224	7.45E-03	1.85E-03	1.43E-03
4122	564920.4	4222509	0.01445801	7.67E-03	1.90E-03	1.47E-03
4123	564906.6	4222484	0.01517185	8.04E-03	1.99E-03	1.54E-03
4124	564899.7	4222472	0.01546566	8.20E-03	2.03E-03	1.57E-03
4125	564892.7	4222460	0.01572247	8.34E-03	2.06E-03	1.60E-03
4126	565307.2	4222817	0.003762467	1.99E-03	4.94E-04	3.82E-04
4127	565293.7	4222813	0.003803404	2.02E-03	4.99E-04	3.87E-04
4128	565280.1	4222809	0.003850527	2.04E-03	5.06E-04	3.91E-04
4129	565253	4222802	0.003965402	2.10E-03	5.21E-04	4.03E-04
4130	565239.4	4222798	0.004030842	2.14E-03	5.29E-04	4.10E-04
4131	565225.9	4222794	0.004101204	2.17E-03	5.39E-04	4.17E-04
4132	565212.3	4222790	0.004176003	2.21E-03	5.48E-04	4.24E-04
4133	565198.8	4222786	0.004255672	2.26E-03	5.59E-04	4.32E-04

4134	565185.2	4222782	0.004340261	2.30E-03	5.70E-04	4.41E-04
4135	565171.6	4222779	0.004429424	2.35E-03	5.82E-04	4.50E-04
4136	565158.1	4222775	0.004522836	2.40E-03	5.94E-04	4.60E-04
4137	565144.5	4222771	0.004620713	2.45E-03	6.07E-04	4.70E-04
4138	565131	4222767	0.004722382	2.50E-03	6.20E-04	4.80E-04
4139	565117.4	4222763	0.004827683	2.56E-03	6.34E-04	4.91E-04
4140	565103.8	4222759	0.004936238	2.62E-03	6.48E-04	5.02E-04
4141	565090.3	4222756	0.005046864	2.68E-03	6.63E-04	5.13E-04
4142	565076.7	4222752	0.005158969	2.74E-03	6.78E-04	5.24E-04
4143	565063.2	4222748	0.005271989	2.80E-03	6.92E-04	5.36E-04
4144	565049.6	4222744	0.005384498	2.85E-03	7.07E-04	5.47E-04
4145	565025.8	4222732	0.005726704	3.04E-03	7.52E-04	5.82E-04
4146	565018.9	4222720	0.006095027	3.23E-03	8.00E-04	6.19E-04
4147	565011.9	4222708	0.006486885	3.44E-03	8.52E-04	6.59E-04
4148	565005	4222695	0.006900932	3.66E-03	9.06E-04	7.01E-04
4149	564998	4222683	0.00733499	3.89E-03	9.63E-04	7.45E-04
4150	564991.1	4222671	0.007787473	4.13E-03	1.02E-03	7.91E-04
4151	564984.1	4222659	0.008254722	4.38E-03	1.08E-03	8.39E-04
4152	564970.2	4222634	0.009221711	4.89E-03	1.21E-03	9.37E-04
4153	564963.3	4222622	0.009712925	5.15E-03	1.28E-03	9.87E-04
4154	564956.3	4222610	0.01020478	5.41E-03	1.34E-03	1.04E-03
4155	564949.4	4222597	0.01068882	5.67E-03	1.40E-03	1.09E-03
4156	564942.4	4222585	0.0111662	5.92E-03	1.47E-03	1.13E-03
4157	564935.5	4222573	0.0116352	6.17E-03	1.53E-03	1.18E-03
4158	564928.5	4222561	0.01208691	6.41E-03	1.59E-03	1.23E-03
4159	564921.6	4222548	0.0125172	6.64E-03	1.64E-03	1.27E-03
4160	564914.6	4222536	0.01293111	6.86E-03	1.70E-03	1.31E-03
4161	564907.7	4222524	0.01332326	7.06E-03	1.75E-03	1.35E-03
4162	564886.8	4222487	0.01433192	7.60E-03	1.88E-03	1.46E-03
4163	564879.9	4222475	0.01460112	7.74E-03	1.92E-03	1.48E-03
4164	564872.9	4222463	0.01484252	7.87E-03	1.95E-03	1.51E-03
4165	565309.3	4222837	0.003486454	1.85E-03	4.58E-04	3.54E-04
4166	565295.7	4222833	0.003520317	1.87E-03	4.62E-04	3.58E-04
4167	565282.1	4222829	0.003560151	1.89E-03	4.68E-04	3.62E-04
4168	565254.9	4222821	0.003658162	1.94E-03	4.80E-04	3.72E-04
4169	565241.3	4222818	0.003714376	1.97E-03	4.88E-04	3.77E-04
4170	565227.7	4222814	0.003774678	2.00E-03	4.96E-04	3.84E-04
4171	565214.1	4222810	0.003837697	2.03E-03	5.04E-04	3.90E-04
4172	565200.5	4222806	0.003904293	2.07E-03	5.13E-04	3.97E-04
4173	565186.9	4222802	0.003975623	2.11E-03	5.22E-04	4.04E-04
4174	565173.3	4222798	0.00405123	2.15E-03	5.32E-04	4.12E-04
4175	565159.7	4222794	0.004130736	2.19E-03	5.42E-04	4.20E-04
4176	565146.1	4222791	0.004213847	2.23E-03	5.53E-04	4.28E-04
4177	565132.5	4222787	0.004300858	2.28E-03	5.65E-04	4.37E-04
4178	565118.9	4222783	0.004391285	2.33E-03	5.77E-04	4.46E-04
4179	565105.3	4222779	0.004485235	2.38E-03	5.89E-04	4.56E-04
4180	565091.7	4222775	0.004581901	2.43E-03	6.02E-04	4.66E-04

4181	565078.1	4222771	0.004681096	2.48E-03	6.15E-04	4.76E-04
4182	565064.5	4222768	0.004782012	2.54E-03	6.28E-04	4.86E-04
4183	565050.9	4222764	0.004883681	2.59E-03	6.41E-04	4.96E-04
4184	565023.7	4222756	0.005087424	2.70E-03	6.68E-04	5.17E-04
4185	565013.5	4222748	0.005295362	2.81E-03	6.95E-04	5.38E-04
4186	565006.5	4222736	0.005626621	2.98E-03	7.39E-04	5.72E-04
4187	564999.5	4222723	0.005978833	3.17E-03	7.85E-04	6.08E-04
4188	564992.5	4222711	0.006351863	3.37E-03	8.34E-04	6.46E-04
4189	564985.6	4222699	0.006743721	3.58E-03	8.86E-04	6.85E-04
4190	564978.6	4222686	0.007153276	3.79E-03	9.39E-04	7.27E-04
4191	564971.6	4222674	0.007577464	4.02E-03	9.95E-04	7.70E-04
4192	564964.7	4222662	0.008013862	4.25E-03	1.05E-03	8.14E-04
4193	564950.7	4222637	0.008910812	4.72E-03	1.17E-03	9.06E-04
4194	564943.7	4222625	0.009364424	4.96E-03	1.23E-03	9.52E-04
4195	564936.8	4222613	0.009816208	5.20E-03	1.29E-03	9.98E-04
4196	564929.8	4222600	0.01026304	5.44E-03	1.35E-03	1.04E-03
4197	564922.8	4222588	0.01070235	5.67E-03	1.41E-03	1.09E-03
4198	564915.9	4222576	0.01112995	5.90E-03	1.46E-03	1.13E-03
4199	564908.9	4222564	0.01153665	6.12E-03	1.52E-03	1.17E-03
4200	564901.9	4222551	0.01192566	6.32E-03	1.57E-03	1.21E-03
4201	564867.1	4222490	0.01356208	7.19E-03	1.78E-03	1.38E-03
4202	564860.1	4222477	0.01380969	7.32E-03	1.81E-03	1.40E-03
4203	564853.1	4222465	0.0140286	7.44E-03	1.84E-03	1.43E-03
4204	565311.5	4222857	0.003242662	1.72E-03	4.26E-04	3.30E-04
4205	565297.8	4222853	0.003270796	1.73E-03	4.30E-04	3.32E-04
4206	565284.2	4222849	0.003304014	1.75E-03	4.34E-04	3.36E-04
4207	565256.9	4222841	0.003387178	1.80E-03	4.45E-04	3.44E-04
4208	565079.6	4222791	0.004267157	2.26E-03	5.60E-04	4.34E-04
4209	565066	4222787	0.004356211	2.31E-03	5.72E-04	4.43E-04
4210	565052.3	4222783	0.004446879	2.36E-03	5.84E-04	4.52E-04
4211	565025.1	4222776	0.004631741	2.46E-03	6.08E-04	4.71E-04
4212	565011.4	4222772	0.004724319	2.50E-03	6.20E-04	4.80E-04
4213	565001.1	4222764	0.004912542	2.60E-03	6.45E-04	4.99E-04
4214	564994.1	4222751	0.00521096	2.76E-03	6.84E-04	5.30E-04
4215	564987.1	4222739	0.005528772	2.93E-03	7.26E-04	5.62E-04
4216	564980.1	4222727	0.005865464	3.11E-03	7.70E-04	5.96E-04
4217	564973.1	4222714	0.006220096	3.30E-03	8.17E-04	6.32E-04
4218	564966.1	4222702	0.006591243	3.49E-03	8.66E-04	6.70E-04
4219	564959.2	4222690	0.006976996	3.70E-03	9.16E-04	7.09E-04
4220	564952.2	4222677	0.00737504	3.91E-03	9.69E-04	7.50E-04
4221	564945.2	4222665	0.007782766	4.13E-03	1.02E-03	7.91E-04
4222	564938.2	4222653	0.008197243	4.35E-03	1.08E-03	8.33E-04
4223	564924.2	4222628	0.009033971	4.79E-03	1.19E-03	9.18E-04
4224	564917.2	4222616	0.009449875	5.01E-03	1.24E-03	9.60E-04
4225	564910.2	4222603	0.009860049	5.23E-03	1.29E-03	1.00E-03
4226	564903.2	4222591	0.01026162	5.44E-03	1.35E-03	1.04E-03
4227	564896.2	4222579	0.01065175	5.65E-03	1.40E-03	1.08E-03

4228	564875.3	4222542	0.01171283	6.21E-03	1.54E-03	1.19E-03
4229	564868.3	4222529	0.01203325	6.38E-03	1.58E-03	1.22E-03
4230	564847.3	4222492	0.01285556	6.82E-03	1.69E-03	1.31E-03
4231	564840.3	4222480	0.01307988	6.93E-03	1.72E-03	1.33E-03
4232	564833.3	4222468	0.01327845	7.04E-03	1.74E-03	1.35E-03
4233	565313.6	4222876	0.003026332	1.60E-03	3.97E-04	3.08E-04
4234	565300	4222873	0.003049625	1.62E-03	4.01E-04	3.10E-04
4235	565286.3	4222869	0.003077517	1.63E-03	4.04E-04	3.13E-04
4236	565258.9	4222861	0.003148201	1.67E-03	4.13E-04	3.20E-04
4237	565245.3	4222857	0.00318973	1.69E-03	4.19E-04	3.24E-04
4238	565231.6	4222853	0.00323462	1.71E-03	4.25E-04	3.29E-04
4239	565217.9	4222849	0.003282281	1.74E-03	4.31E-04	3.34E-04
4240	565190.5	4222842	0.00338387	1.79E-03	4.44E-04	3.44E-04
4241	565176.9	4222838	0.003440003	1.82E-03	4.52E-04	3.50E-04
4242	565163.2	4222834	0.003498665	1.85E-03	4.59E-04	3.56E-04
4243	565149.5	4222830	0.003559908	1.89E-03	4.68E-04	3.62E-04
4244	565122.2	4222822	0.003690465	1.96E-03	4.85E-04	3.75E-04
4245	565108.5	4222818	0.0037601	1.99E-03	4.94E-04	3.82E-04
4246	565094.8	4222815	0.003832479	2.03E-03	5.03E-04	3.89E-04
4247	565081.1	4222811	0.003907817	2.07E-03	5.13E-04	3.97E-04
4248	565067.5	4222807	0.00398579	2.11E-03	5.23E-04	4.05E-04
4249	565026.4	4222795	0.004232164	2.24E-03	5.56E-04	4.30E-04
4250	565012.8	4222791	0.004316512	2.29E-03	5.67E-04	4.39E-04
4251	564999.1	4222788	0.004400375	2.33E-03	5.78E-04	4.47E-04
4252	564988.7	4222779	0.004570819	2.42E-03	6.00E-04	4.65E-04
4253	564981.7	4222767	0.004840459	2.57E-03	6.36E-04	4.92E-04
4254	564974.7	4222755	0.005127796	2.72E-03	6.73E-04	5.21E-04
4255	564967.7	4222742	0.005432777	2.88E-03	7.13E-04	5.52E-04
4256	564960.7	4222730	0.005754192	3.05E-03	7.56E-04	5.85E-04
4257	564953.7	4222718	0.00609118	3.23E-03	8.00E-04	6.19E-04
4258	564946.7	4222705	0.006442558	3.42E-03	8.46E-04	6.55E-04
4259	564939.7	4222693	0.006805852	3.61E-03	8.94E-04	6.92E-04
4260	564932.7	4222681	0.007179124	3.81E-03	9.43E-04	7.30E-04
4261	564925.7	4222668	0.007560249	4.01E-03	9.93E-04	7.68E-04
4262	564918.6	4222656	0.007945813	4.21E-03	1.04E-03	8.08E-04
4263	564904.6	4222631	0.008720034	4.62E-03	1.15E-03	8.86E-04
4264	564897.6	4222619	0.009103365	4.83E-03	1.20E-03	9.25E-04
4265	564890.6	4222606	0.009479973	5.03E-03	1.25E-03	9.63E-04
4266	564883.6	4222594	0.009847622	5.22E-03	1.29E-03	1.00E-03
4267	564876.6	4222582	0.01020433	5.41E-03	1.34E-03	1.04E-03
4268	564869.6	4222569	0.01054408	5.59E-03	1.38E-03	1.07E-03
4269	564862.6	4222557	0.01086537	5.76E-03	1.43E-03	1.10E-03
4270	564855.6	4222545	0.01116981	5.92E-03	1.47E-03	1.14E-03
4271	564848.5	4222532	0.01146024	6.08E-03	1.51E-03	1.16E-03
4272	564827.5	4222495	0.01220547	6.47E-03	1.60E-03	1.24E-03
4273	564820.5	4222483	0.01240897	6.58E-03	1.63E-03	1.26E-03
4274	564813.5	4222470	0.01258993	6.68E-03	1.65E-03	1.28E-03

4275	565316.6	4222897	0.002832031	1.50E-03	3.72E-04	2.88E-04
4276	565303.2	4222893	0.002850805	1.51E-03	3.74E-04	2.90E-04
4277	565289.7	4222889	0.002873317	1.52E-03	3.77E-04	2.92E-04
4278	565262.8	4222881	0.002931602	1.55E-03	3.85E-04	2.98E-04
4279	565249.3	4222877	0.002966326	1.57E-03	3.90E-04	3.01E-04
4280	565235.8	4222874	0.003004277	1.59E-03	3.95E-04	3.05E-04
4281	565222.3	4222870	0.003044972	1.61E-03	4.00E-04	3.09E-04
4282	565208.9	4222866	0.003087845	1.64E-03	4.06E-04	3.14E-04
4283	565181.9	4222858	0.00317924	1.69E-03	4.18E-04	3.23E-04
4284	565168.5	4222855	0.003228165	1.71E-03	4.24E-04	3.28E-04
4285	565155	4222851	0.003279672	1.74E-03	4.31E-04	3.33E-04
4286	565141.5	4222847	0.003333385	1.77E-03	4.38E-04	3.39E-04
4287	565114.6	4222839	0.003447561	1.83E-03	4.53E-04	3.50E-04
4288	565101.1	4222836	0.003508321	1.86E-03	4.61E-04	3.57E-04
4289	565087.7	4222832	0.003572415	1.89E-03	4.69E-04	3.63E-04
4290	565074.2	4222828	0.0036385	1.93E-03	4.78E-04	3.70E-04
4291	565060.7	4222824	0.0037062	1.97E-03	4.87E-04	3.77E-04
4292	565020.3	4222813	0.003924278	2.08E-03	5.15E-04	3.99E-04
4293	565006.8	4222809	0.003999373	2.12E-03	5.25E-04	4.06E-04
4294	564993.4	4222805	0.004074791	2.16E-03	5.35E-04	4.14E-04
4295	564976.4	4222795	0.004263633	2.26E-03	5.60E-04	4.33E-04
4296	564969.5	4222783	0.004502583	2.39E-03	5.91E-04	4.58E-04
4297	564962.6	4222771	0.004757913	2.52E-03	6.25E-04	4.84E-04
4298	564955.7	4222759	0.005028924	2.67E-03	6.60E-04	5.11E-04
4299	564948.8	4222747	0.005314674	2.82E-03	6.98E-04	5.40E-04
4300	564941.9	4222734	0.005614894	2.98E-03	7.37E-04	5.71E-04
4301	564935	4222722	0.005928241	3.14E-03	7.79E-04	6.02E-04
4302	564928.1	4222710	0.006253045	3.32E-03	8.21E-04	6.35E-04
4303	564921.2	4222698	0.00658807	3.49E-03	8.65E-04	6.70E-04
4304	564914.3	4222686	0.006931191	3.67E-03	9.10E-04	7.04E-04
4305	564907.4	4222673	0.007279825	3.86E-03	9.56E-04	7.40E-04
4306	564900.5	4222661	0.007632225	4.05E-03	1.00E-03	7.76E-04
4307	564886.7	4222637	0.008337617	4.42E-03	1.09E-03	8.47E-04
4308	564879.8	4222625	0.008686117	4.61E-03	1.14E-03	8.83E-04
4309	564872.9	4222613	0.009028216	4.79E-03	1.19E-03	9.18E-04
4310	564866	4222600	0.009362326	4.96E-03	1.23E-03	9.51E-04
4311	564859.1	4222588	0.009686405	5.14E-03	1.27E-03	9.84E-04
4312	564852.2	4222576	0.009997948	5.30E-03	1.31E-03	1.02E-03
4313	564845.3	4222564	0.01029115	5.46E-03	1.35E-03	1.05E-03
4314	564838.4	4222552	0.0105681	5.60E-03	1.39E-03	1.07E-03
4315	564831.5	4222540	0.01083148	5.74E-03	1.42E-03	1.10E-03
4316	564824.6	4222527	0.01107995	5.87E-03	1.46E-03	1.13E-03
4317	564796.9	4222479	0.01188203	6.30E-03	1.56E-03	1.21E-03
4318	564790	4222466	0.01203386	6.38E-03	1.58E-03	1.22E-03
4319	565318.8	4222916	0.002658843	1.41E-03	3.49E-04	2.70E-04
4320	565305.3	4222913	0.002674443	1.42E-03	3.51E-04	2.72E-04
4321	565291.8	4222909	0.002693298	1.43E-03	3.54E-04	2.74E-04

4322	565264.7	4222901	0.002742949	1.45E-03	3.60E-04	2.79E-04
4323	565251.2	4222897	0.002773046	1.47E-03	3.64E-04	2.82E-04
4324	565237.7	4222893	0.002806102	1.49E-03	3.69E-04	2.85E-04
4325	565224.2	4222890	0.002841767	1.51E-03	3.73E-04	2.89E-04
4326	565210.7	4222886	0.002879826	1.53E-03	3.78E-04	2.93E-04
4327	565183.7	4222878	0.002961162	1.57E-03	3.89E-04	3.01E-04
4328	565170.2	4222874	0.00300347	1.59E-03	3.94E-04	3.05E-04
4329	565156.7	4222871	0.003048172	1.62E-03	4.00E-04	3.10E-04
4330	565143.2	4222867	0.003095161	1.64E-03	4.06E-04	3.15E-04
4331	565116.1	4222859	0.003195297	1.69E-03	4.20E-04	3.25E-04
4332	565102.6	4222855	0.003248176	1.72E-03	4.27E-04	3.30E-04
4333	565089.1	4222851	0.003303745	1.75E-03	4.34E-04	3.36E-04
4334	565075.6	4222848	0.003361895	1.78E-03	4.42E-04	3.42E-04
4335	565062.1	4222844	0.003421202	1.81E-03	4.49E-04	3.48E-04
4336	565048.6	4222840	0.003482446	1.85E-03	4.57E-04	3.54E-04
4337	565021.6	4222832	0.003612007	1.92E-03	4.74E-04	3.67E-04
4338	565008.1	4222829	0.003679518	1.95E-03	4.83E-04	3.74E-04
4339	564994.6	4222825	0.00374797	1.99E-03	4.92E-04	3.81E-04
4340	564981.1	4222821	0.003817121	2.02E-03	5.01E-04	3.88E-04
4341	564964.1	4222811	0.003988668	2.11E-03	5.24E-04	4.05E-04
4342	564957.2	4222799	0.004205859	2.23E-03	5.52E-04	4.27E-04
4343	564950.2	4222787	0.004438192	2.35E-03	5.83E-04	4.51E-04
4344	564943.3	4222774	0.004684727	2.48E-03	6.15E-04	4.76E-04
4345	564936.4	4222762	0.004945167	2.62E-03	6.49E-04	5.03E-04
4346	564929.5	4222750	0.005218895	2.77E-03	6.85E-04	5.30E-04
4347	564922.6	4222738	0.005505103	2.92E-03	7.23E-04	5.59E-04
4348	564915.6	4222725	0.00580258	3.08E-03	7.62E-04	5.90E-04
4349	564908.7	4222713	0.006110223	3.24E-03	8.02E-04	6.21E-04
4350	564901.8	4222701	0.006425829	3.41E-03	8.44E-04	6.53E-04
4351	564894.9	4222689	0.006747836	3.58E-03	8.86E-04	6.86E-04
4352	564887.9	4222677	0.007074147	3.75E-03	9.29E-04	7.19E-04
4353	564881	4222664	0.007402581	3.92E-03	9.72E-04	7.52E-04
4354	564874.1	4222652	0.007731071	4.10E-03	1.02E-03	7.86E-04
4355	564867.2	4222640	0.008057596	4.27E-03	1.06E-03	8.19E-04
4356	564860.2	4222628	0.008379495	4.44E-03	1.10E-03	8.52E-04
4357	564853.3	4222616	0.008694993	4.61E-03	1.14E-03	8.84E-04
4358	564846.4	4222603	0.009002073	4.77E-03	1.18E-03	9.15E-04
4359	564839.5	4222591	0.009299254	4.93E-03	1.22E-03	9.45E-04
4360	564832.5	4222579	0.009584627	5.08E-03	1.26E-03	9.74E-04
4361	564825.6	4222567	0.009853863	5.22E-03	1.29E-03	1.00E-03
4362	564818.7	4222555	0.01010688	5.36E-03	1.33E-03	1.03E-03
4363	564811.8	4222542	0.01034567	5.49E-03	1.36E-03	1.05E-03
4364	564784.1	4222493	0.01114749	5.91E-03	1.46E-03	1.13E-03
4365	564777.1	4222481	0.01130394	5.99E-03	1.48E-03	1.15E-03
4366	564770.2	4222469	0.01144311	6.07E-03	1.50E-03	1.16E-03
4367	565320.9	4222936	0.002502654	1.33E-03	3.29E-04	2.54E-04
4368	565307.4	4222932	0.002515592	1.33E-03	3.30E-04	2.56E-04

4369	565293.8	4222929	0.00253146	1.34E-03	3.32E-04	2.57E-04
4370	565266.7	4222921	0.002573769	1.36E-03	3.38E-04	2.62E-04
4371	565253.2	4222917	0.002599859	1.38E-03	3.41E-04	2.64E-04
4372	565239.7	4222913	0.002628719	1.39E-03	3.45E-04	2.67E-04
4373	565226.1	4222909	0.002660081	1.41E-03	3.49E-04	2.70E-04
4374	565212.6	4222906	0.002693674	1.43E-03	3.54E-04	2.74E-04
4375	565185.5	4222898	0.002766215	1.47E-03	3.63E-04	2.81E-04
4376	565171.9	4222894	0.002804462	1.49E-03	3.68E-04	2.85E-04
4377	565158.4	4222890	0.002844027	1.51E-03	3.74E-04	2.89E-04
4378	565144.8	4222886	0.002885152	1.53E-03	3.79E-04	2.93E-04
4379	565117.7	4222879	0.002972942	1.58E-03	3.90E-04	3.02E-04
4380	565104.2	4222875	0.003019796	1.60E-03	3.97E-04	3.07E-04
4381	565090.7	4222871	0.00306743	1.63E-03	4.03E-04	3.12E-04
4382	565077.1	4222867	0.00311727	1.65E-03	4.09E-04	3.17E-04
4383	565063.6	4222863	0.003169046	1.68E-03	4.16E-04	3.22E-04
4384	565050	4222860	0.003222812	1.71E-03	4.23E-04	3.28E-04
4385	565022.9	4222852	0.003336505	1.77E-03	4.38E-04	3.39E-04
4386	565009.4	4222848	0.003396189	1.80E-03	4.46E-04	3.45E-04
4387	564995.8	4222844	0.003457405	1.83E-03	4.54E-04	3.51E-04
4388	564982.3	4222840	0.003519913	1.87E-03	4.62E-04	3.58E-04
4389	564968.8	4222837	0.003583039	1.90E-03	4.71E-04	3.64E-04
4390	564951.7	4222827	0.003740358	1.98E-03	4.91E-04	3.80E-04
4391	564944.8	4222814	0.003938183	2.09E-03	5.17E-04	4.00E-04
4392	564937.9	4222802	0.004149994	2.20E-03	5.45E-04	4.22E-04
4393	564930.9	4222790	0.004375012	2.32E-03	5.75E-04	4.45E-04
4394	564924	4222778	0.004612671	2.45E-03	6.06E-04	4.69E-04
4395	564917	4222765	0.004862998	2.58E-03	6.39E-04	4.94E-04
4396	564910.1	4222753	0.005124864	2.72E-03	6.73E-04	5.21E-04
4397	564903.1	4222741	0.005397785	2.86E-03	7.09E-04	5.49E-04
4398	564896.2	4222729	0.005680119	3.01E-03	7.46E-04	5.77E-04
4399	564889.3	4222716	0.005971007	3.17E-03	7.84E-04	6.07E-04
4400	564882.3	4222704	0.006268349	3.32E-03	8.23E-04	6.37E-04
4401	564875.4	4222692	0.006570856	3.48E-03	8.63E-04	6.68E-04
4402	564868.4	4222680	0.006876133	3.65E-03	9.03E-04	6.99E-04
4403	564861.5	4222667	0.007182782	3.81E-03	9.43E-04	7.30E-04
4404	564854.5	4222655	0.007488247	3.97E-03	9.83E-04	7.61E-04
4405	564840.7	4222631	0.008088607	4.29E-03	1.06E-03	8.22E-04
4406	564833.7	4222619	0.00837963	4.44E-03	1.10E-03	8.52E-04
4407	564826.8	4222606	0.008662636	4.59E-03	1.14E-03	8.80E-04
4408	564819.8	4222594	0.008935396	4.74E-03	1.17E-03	9.08E-04
4409	564812.9	4222582	0.009197423	4.88E-03	1.21E-03	9.35E-04
4410	564799	4222557	0.009676157	5.13E-03	1.27E-03	9.83E-04
4411	564792.1	4222545	0.009892943	5.25E-03	1.30E-03	1.01E-03
4412	564785.1	4222533	0.0100997	5.35E-03	1.33E-03	1.03E-03
4413	564778.2	4222521	0.01029066	5.46E-03	1.35E-03	1.05E-03
4414	564757.3	4222484	0.01076926	5.71E-03	1.41E-03	1.09E-03
4415	564750.4	4222472	0.01089716	5.78E-03	1.43E-03	1.11E-03

4416	565323.1	4222956	0.002361366	1.25E-03	3.10E-04	2.40E-04
4417	565309.5	4222952	0.002372044	1.26E-03	3.12E-04	2.41E-04
4418	565295.9	4222948	0.002385304	1.26E-03	3.13E-04	2.42E-04
4419	565268.8	4222941	0.002421265	1.28E-03	3.18E-04	2.46E-04
4420	565255.2	4222937	0.002443939	1.30E-03	3.21E-04	2.48E-04
4421	565241.6	4222933	0.002469168	1.31E-03	3.24E-04	2.51E-04
4422	565228	4222929	0.002496764	1.32E-03	3.28E-04	2.54E-04
4423	565214.4	4222925	0.002526511	1.34E-03	3.32E-04	2.57E-04
4424	565187.3	4222918	0.002591225	1.37E-03	3.40E-04	2.63E-04
4425	565173.7	4222914	0.00262576	1.39E-03	3.45E-04	2.67E-04
4426	565160.1	4222910	0.002661533	1.41E-03	3.50E-04	2.70E-04
4427	565146.6	4222906	0.002698435	1.43E-03	3.54E-04	2.74E-04
4428	565133	4222902	0.002736225	1.45E-03	3.59E-04	2.78E-04
4429	565119.4	4222898	0.002775386	1.47E-03	3.64E-04	2.82E-04
4430	565105.8	4222895	0.002816054	1.49E-03	3.70E-04	2.86E-04
4431	565092.2	4222891	0.002857986	1.52E-03	3.75E-04	2.90E-04
4432	565078.7	4222887	0.00290137	1.54E-03	3.81E-04	2.95E-04
4433	565065.1	4222883	0.002946449	1.56E-03	3.87E-04	2.99E-04
4434	565051.5	4222879	0.002993411	1.59E-03	3.93E-04	3.04E-04
4435	565024.3	4222872	0.003093063	1.64E-03	4.06E-04	3.14E-04
4436	565010.8	4222868	0.0031457	1.67E-03	4.13E-04	3.20E-04
4437	564997.2	4222864	0.003200112	1.70E-03	4.20E-04	3.25E-04
4438	564983.6	4222860	0.00325603	1.73E-03	4.28E-04	3.31E-04
4439	564970	4222856	0.003313293	1.76E-03	4.35E-04	3.37E-04
4440	564956.4	4222852	0.003371605	1.79E-03	4.43E-04	3.43E-04
4441	564939.4	4222842	0.003515744	1.86E-03	4.62E-04	3.57E-04
4442	564932.4	4222830	0.003696597	1.96E-03	4.85E-04	3.76E-04
4443	564925.5	4222818	0.003889877	2.06E-03	5.11E-04	3.95E-04
4444	564918.5	4222806	0.004095394	2.17E-03	5.38E-04	4.16E-04
4445	564911.5	4222793	0.004312934	2.29E-03	5.66E-04	4.38E-04
4446	564904.6	4222781	0.004541906	2.41E-03	5.96E-04	4.62E-04
4447	564897.6	4222769	0.004782147	2.54E-03	6.28E-04	4.86E-04
4448	564890.7	4222756	0.005032501	2.67E-03	6.61E-04	5.11E-04
4449	564883.7	4222744	0.005292404	2.81E-03	6.95E-04	5.38E-04
4450	564876.7	4222732	0.005560563	2.95E-03	7.30E-04	5.65E-04
4451	564869.8	4222720	0.005835339	3.09E-03	7.66E-04	5.93E-04
4452	564862.8	4222707	0.006115711	3.24E-03	8.03E-04	6.22E-04
4453	564855.9	4222695	0.00639955	3.39E-03	8.40E-04	6.50E-04
4454	564848.9	4222683	0.00668557	3.54E-03	8.78E-04	6.79E-04
4455	564841.9	4222671	0.006971482	3.70E-03	9.16E-04	7.08E-04
4456	564835	4222658	0.007255995	3.85E-03	9.53E-04	7.37E-04
4457	564821.1	4222634	0.007812513	4.14E-03	1.03E-03	7.94E-04
4458	564800.2	4222597	0.008593271	4.56E-03	1.13E-03	8.73E-04
4459	564793.2	4222585	0.008833538	4.68E-03	1.16E-03	8.98E-04
4460	564786.3	4222572	0.00906103	4.80E-03	1.19E-03	9.21E-04
4461	564779.3	4222560	0.009273191	4.92E-03	1.22E-03	9.42E-04
4462	564772.3	4222548	0.009471714	5.02E-03	1.24E-03	9.63E-04

4463	564765.4	4222535	0.009661794	5.12E-03	1.27E-03	9.82E-04
4464	564758.4	4222523	0.009835815	5.21E-03	1.29E-03	1.00E-03
4465	564737.5	4222486	0.0102734	5.45E-03	1.35E-03	1.04E-03
4466	565325.2	4222976	0.002232934	1.18E-03	2.93E-04	2.27E-04
4467	565311.6	4222972	0.002241703	1.19E-03	2.94E-04	2.28E-04
4468	565298	4222968	0.002252757	1.19E-03	2.96E-04	2.29E-04
4469	565270.8	4222960	0.002283312	1.21E-03	3.00E-04	2.32E-04
4470	565257.2	4222957	0.002302947	1.22E-03	3.02E-04	2.34E-04
4471	565243.6	4222953	0.002325082	1.23E-03	3.05E-04	2.36E-04
4472	565230	4222949	0.002349424	1.25E-03	3.09E-04	2.39E-04
4473	565216.4	4222945	0.002375809	1.26E-03	3.12E-04	2.41E-04
4474	565189.1	4222937	0.00243361	1.29E-03	3.20E-04	2.47E-04
4475	565175.5	4222934	0.002464488	1.31E-03	3.24E-04	2.50E-04
4476	565161.9	4222930	0.002496576	1.32E-03	3.28E-04	2.54E-04
4477	565148.3	4222926	0.002529658	1.34E-03	3.32E-04	2.57E-04
4478	565134.7	4222922	0.002563683	1.36E-03	3.37E-04	2.61E-04
4479	565107.5	4222914	0.002634529	1.40E-03	3.46E-04	2.68E-04
4480	565093.9	4222910	0.002671512	1.42E-03	3.51E-04	2.71E-04
4481	565080.2	4222907	0.002709705	1.44E-03	3.56E-04	2.75E-04
4482	565066.6	4222903	0.002749162	1.46E-03	3.61E-04	2.79E-04
4483	565053	4222899	0.002790233	1.48E-03	3.66E-04	2.84E-04
4484	565025.8	4222891	0.002877513	1.53E-03	3.78E-04	2.92E-04
4485	565012.2	4222887	0.002923802	1.55E-03	3.84E-04	2.97E-04
4486	564998.6	4222884	0.00297184	1.58E-03	3.90E-04	3.02E-04
4487	564985	4222880	0.003021572	1.60E-03	3.97E-04	3.07E-04
4488	564971.4	4222876	0.003072756	1.63E-03	4.04E-04	3.12E-04
4489	564957.7	4222872	0.003125177	1.66E-03	4.10E-04	3.18E-04
4490	564944.1	4222868	0.003178594	1.69E-03	4.17E-04	3.23E-04
4491	564927	4222858	0.003311276	1.76E-03	4.35E-04	3.37E-04
4492	564920.1	4222846	0.003476529	1.84E-03	4.57E-04	3.53E-04
4493	564913.1	4222834	0.003653832	1.94E-03	4.80E-04	3.71E-04
4494	564906.1	4222821	0.00384227	2.04E-03	5.05E-04	3.90E-04
4495	564899.1	4222809	0.004041547	2.14E-03	5.31E-04	4.11E-04
4496	564892.1	4222797	0.004251745	2.25E-03	5.58E-04	4.32E-04
4497	564885.2	4222784	0.004472163	2.37E-03	5.87E-04	4.54E-04
4498	564878.2	4222772	0.004702533	2.49E-03	6.18E-04	4.78E-04
4499	564871.2	4222760	0.004941725	2.62E-03	6.49E-04	5.02E-04
4500	564864.2	4222747	0.005189201	2.75E-03	6.81E-04	5.27E-04
4501	564857.3	4222735	0.005443347	2.89E-03	7.15E-04	5.53E-04
4502	564850.3	4222723	0.005703358	3.02E-03	7.49E-04	5.80E-04
4503	564843.3	4222710	0.005967348	3.16E-03	7.84E-04	6.06E-04
4504	564836.3	4222698	0.00623419	3.31E-03	8.19E-04	6.34E-04
4505	564829.4	4222686	0.006501812	3.45E-03	8.54E-04	6.61E-04
4506	564822.4	4222674	0.006769084	3.59E-03	8.89E-04	6.88E-04
4507	564815.4	4222661	0.007033774	3.73E-03	9.24E-04	7.15E-04
4508	564801.5	4222637	0.00755011	4.00E-03	9.92E-04	7.67E-04
4509	564794.5	4222624	0.007798554	4.13E-03	1.02E-03	7.93E-04

4510	564787.5	4222612	0.008039145	4.26E-03	1.06E-03	8.17E-04
4511	564780.5	4222600	0.008270375	4.38E-03	1.09E-03	8.40E-04
4512	564773.5	4222587	0.00849152	4.50E-03	1.12E-03	8.63E-04
4513	564766.6	4222575	0.008701125	4.61E-03	1.14E-03	8.84E-04
4514	564759.6	4222563	0.008897767	4.72E-03	1.17E-03	9.04E-04
4515	564752.6	4222550	0.009083301	4.82E-03	1.19E-03	9.23E-04
4516	564745.6	4222538	0.009256111	4.91E-03	1.22E-03	9.41E-04
4517	564738.7	4222526	0.009413	4.99E-03	1.24E-03	9.57E-04
4518	564717.7	4222489	0.009813195	5.20E-03	1.29E-03	9.97E-04
4519	564710.8	4222477	0.0099221	5.26E-03	1.30E-03	1.01E-03
4520	565318.1	4222992	0.002128656	1.13E-03	2.80E-04	2.16E-04
4521	565214.4	4222859	0.003170606	1.68E-03	4.16E-04	3.22E-04
4522	565191.5	4222956	0.002298266	1.22E-03	3.02E-04	2.34E-04
4523	565186.9	4222976	0.002170292	1.15E-03	2.85E-04	2.21E-04
4524	565119.1	4222869	0.003080798	1.63E-03	4.05E-04	3.13E-04
4525	565111	4222887	0.002888675	1.53E-03	3.79E-04	2.94E-04
4526	565102.9	4222905	0.002714815	1.44E-03	3.57E-04	2.76E-04
4527	565091.9	4222922	0.00256847	1.36E-03	3.37E-04	2.61E-04
4528	565083.9	4222941	0.002424277	1.29E-03	3.18E-04	2.46E-04
4529	565182.2	4222656	0.008894755	4.72E-03	1.17E-03	9.04E-04
4530	565170.8	4222673	0.00797462	4.23E-03	1.05E-03	8.10E-04
4531	565159.4	4222689	0.007203412	3.82E-03	9.46E-04	7.32E-04
4532	565141.7	4222701	0.006718922	3.56E-03	8.82E-04	6.83E-04
4533	565130.3	4222718	0.006122838	3.25E-03	8.04E-04	6.22E-04
4534	565118.9	4222734	0.005606717	2.97E-03	7.36E-04	5.70E-04
4535	565107.5	4222751	0.00515714	2.73E-03	6.77E-04	5.24E-04
4536	565096.1	4222767	0.004762701	2.53E-03	6.25E-04	4.84E-04
4537	565084.7	4222783	0.004414308	2.34E-03	5.80E-04	4.49E-04
4538	565055.6	4222812	0.003906983	2.07E-03	5.13E-04	3.97E-04
4539	565026.5	4222840	0.003490166	1.85E-03	4.58E-04	3.55E-04
4540	565015.1	4222857	0.00327674	1.74E-03	4.30E-04	3.33E-04
4541	565003.7	4222873	0.003083434	1.63E-03	4.05E-04	3.13E-04
4542	564992.3	4222890	0.002907853	1.54E-03	3.82E-04	2.96E-04
4543	565004.8	4222898	0.002813068	1.49E-03	3.69E-04	2.86E-04
4544	565003.3	4222169	0.02507211	1.33E-02	3.29E-03	2.55E-03
4545	564992	4222150	0.02285006	1.21E-02	3.00E-03	2.32E-03
4546	564975.6	4222139	0.02112957	1.12E-02	2.77E-03	2.15E-03
4547	564950.4	4222175	0.02211132	1.17E-02	2.90E-03	2.25E-03
4548	564959.2	4222127	0.01959731	1.04E-02	2.57E-03	1.99E-03
4549	564922.7	4222145	0.01904962	1.01E-02	2.50E-03	1.94E-03
4550	564840.8	4222087	0.01384826	7.34E-03	1.82E-03	1.41E-03
4551	564835.8	4222094	0.01398686	7.42E-03	1.84E-03	1.42E-03
4552	564963.8	4222230	0.02565872	1.36E-02	3.37E-03	2.61E-03
4553	564969	4222222	0.0257559	1.37E-02	3.38E-03	2.62E-03
4554	564979.3	4222204	0.02574966	1.37E-02	3.38E-03	2.62E-03
4555	564942.2	4222228	0.02385758	1.26E-02	3.13E-03	2.42E-03
4556	564949.9	4222215	0.0239847	1.27E-02	3.15E-03	2.44E-03

4557	564955.1	4222206	0.02399731	1.27E-02	3.15E-03	2.44E-03
4558	564932.2	4222205	0.02239742	1.19E-02	2.94E-03	2.28E-03
4559	564938.7	4222195	0.02236584	1.19E-02	2.94E-03	2.27E-03
4560	564914	4222236	0.02206073	1.17E-02	2.90E-03	2.24E-03
4561	564917.6	4222191	0.02093534	1.11E-02	2.75E-03	2.13E-03
4562	564923.9	4222180	0.02084605	1.11E-02	2.74E-03	2.12E-03
4563	564929	4222172	0.02073246	1.10E-02	2.72E-03	2.11E-03
4564	564898.5	4222184	0.01964452	1.04E-02	2.58E-03	2.00E-03
4565	564906.2	4222171	0.0195312	1.04E-02	2.57E-03	1.98E-03
4566	564884.6	4222168	0.01840574	9.76E-03	2.42E-03	1.87E-03
4567	564892.3	4222155	0.01824551	9.67E-03	2.40E-03	1.85E-03
4568	564897.5	4222147	0.01809108	9.59E-03	2.38E-03	1.84E-03
4569	564850.1	4222187	0.01743703	9.25E-03	2.29E-03	1.77E-03
4570	564869.4	4222155	0.0172665	9.15E-03	2.27E-03	1.75E-03
4571	564877.2	4222142	0.01708296	9.06E-03	2.24E-03	1.74E-03
4572	564882.3	4222133	0.01691795	8.97E-03	2.22E-03	1.72E-03
4573	564842.5	4222200	0.01739609	9.22E-03	2.28E-03	1.77E-03
4574	564827	4222187	0.01647442	8.73E-03	2.16E-03	1.67E-03
4575	564836.1	4222172	0.0164776	8.74E-03	2.16E-03	1.67E-03
4576	564854.3	4222141	0.01622789	8.60E-03	2.13E-03	1.65E-03
4577	564862.1	4222128	0.01602275	8.50E-03	2.10E-03	1.63E-03
4578	564809.2	4222178	0.01561335	8.28E-03	2.05E-03	1.59E-03
4579	564817	4222165	0.01560351	8.27E-03	2.05E-03	1.59E-03
4580	564836.5	4222132	0.01532276	8.12E-03	2.01E-03	1.56E-03
4581	564795.1	4222163	0.01480734	7.85E-03	1.94E-03	1.50E-03
4582	564800.2	4222154	0.01478461	7.84E-03	1.94E-03	1.50E-03
4583	564807.8	4222141	0.01470479	7.80E-03	1.93E-03	1.49E-03
4584	564790	4222171	0.01480775	7.85E-03	1.94E-03	1.50E-03
4585	564953.8	4222296	0.0256343	1.36E-02	3.37E-03	2.61E-03
4586	564912.4	4222291	0.02226756	1.18E-02	2.92E-03	2.26E-03
4587	564917.6	4222279	0.02271329	1.20E-02	2.98E-03	2.31E-03
4588	564892.2	4222288	0.02088612	1.11E-02	2.74E-03	2.12E-03
4589	564896	4222279	0.02117887	1.12E-02	2.78E-03	2.15E-03
4590	564873.3	4222281	0.01973976	1.05E-02	2.59E-03	2.01E-03
4591	564880.9	4222263	0.02020596	1.07E-02	2.65E-03	2.05E-03
4592	564888.5	4222245	0.02054104	1.09E-02	2.70E-03	2.09E-03
4593	564894.9	4222230	0.02070696	1.10E-02	2.72E-03	2.10E-03
4594	564861.1	4222259	0.01904314	1.01E-02	2.50E-03	1.94E-03
4595	564846	4222243	0.01815296	9.62E-03	2.38E-03	1.84E-03
4596	564849.9	4222234	0.01827115	9.69E-03	2.40E-03	1.86E-03
4597	564856.5	4222219	0.01839573	9.75E-03	2.42E-03	1.87E-03
4598	564833.1	4222274	0.01755909	9.31E-03	2.31E-03	1.78E-03
4599	564824.4	4222243	0.01710507	9.07E-03	2.25E-03	1.74E-03
4600	564830.9	4222228	0.01727982	9.16E-03	2.27E-03	1.76E-03
4601	564836	4222216	0.01736548	9.21E-03	2.28E-03	1.76E-03
4602	564799	4222252	0.01602506	8.50E-03	2.10E-03	1.63E-03
4603	564809.3	4222228	0.01633456	8.66E-03	2.15E-03	1.66E-03

4604	564815.7	4222213	0.0164408	8.72E-03	2.16E-03	1.67E-03
4605	564822	4222198	0.01647375	8.73E-03	2.16E-03	1.67E-03
4606	564801.4	4222195	0.01562912	8.29E-03	2.05E-03	1.59E-03
4607	565036.4	4222433	0.02678359	1.42E-02	3.52E-03	2.72E-03
4608	564969.6	4222415	0.0223908	1.19E-02	2.94E-03	2.28E-03
4609	564981.3	4222345	0.0271652	1.44E-02	3.57E-03	2.76E-03
4610	564949.6	4222415	0.02091555	1.11E-02	2.75E-03	2.13E-03
4611	564961	4222346	0.02510433	1.33E-02	3.30E-03	2.55E-03
4612	564943.9	4222459	0.01816276	9.63E-03	2.39E-03	1.85E-03
4613	564929.5	4222416	0.01960183	1.04E-02	2.57E-03	1.99E-03
4614	564940.8	4222348	0.02330744	1.24E-02	3.06E-03	2.37E-03
4615	564923.8	4222450	0.01761896	9.34E-03	2.31E-03	1.79E-03
4616	564923.9	4222459	0.01716424	9.10E-03	2.25E-03	1.74E-03
4617	564909.8	4222414	0.01853915	9.83E-03	2.43E-03	1.88E-03
4618	564903.8	4222450	0.01665902	8.83E-03	2.19E-03	1.69E-03
4619	564889.7	4222415	0.0174558	9.26E-03	2.29E-03	1.77E-03
4620	564901.3	4222345	0.02051847	1.09E-02	2.69E-03	2.09E-03
4621	564869.6	4222415	0.01644817	8.72E-03	2.16E-03	1.67E-03
4622	564863.9	4222459	0.01463961	7.76E-03	1.92E-03	1.49E-03
4623	564863.9	4222468	0.01429375	7.58E-03	1.88E-03	1.45E-03
4624	564849.5	4222416	0.01554985	8.24E-03	2.04E-03	1.58E-03
4625	564843.9	4222459	0.01391572	7.38E-03	1.83E-03	1.41E-03
4626	564843.9	4222468	0.0136021	7.21E-03	1.79E-03	1.38E-03
4627	564828.3	4222424	0.01448068	7.68E-03	1.90E-03	1.47E-03
4628	564829.8	4222415	0.01479543	7.84E-03	1.94E-03	1.50E-03
4629	564840.1	4222352	0.01688043	8.95E-03	2.22E-03	1.72E-03
4630	564823.9	4222459	0.01324529	7.02E-03	1.74E-03	1.35E-03
4631	564823.9	4222469	0.01295967	6.87E-03	1.70E-03	1.32E-03
4632	564819.9	4222354	0.01592285	8.44E-03	2.09E-03	1.62E-03
4633	564802.6	4222337	0.01548616	8.21E-03	2.03E-03	1.57E-03
4634	564812.8	4222277	0.01659487	8.80E-03	2.18E-03	1.69E-03
4635	564768.1	4222425	0.01243974	6.60E-03	1.63E-03	1.26E-03
4636	564779.6	4222356	0.01425491	7.56E-03	1.87E-03	1.45E-03
4637	564789.6	4222296	0.01547287	8.20E-03	2.03E-03	1.57E-03
4638	564748.3	4222424	0.01189029	6.30E-03	1.56E-03	1.21E-03
4639	564744	4222478	0.01060057	5.62E-03	1.39E-03	1.08E-03
4640	564740	4222354	0.01294074	6.86E-03	1.70E-03	1.32E-03
4641	565287.9	4222688	0.007063468	3.75E-03	9.28E-04	7.18E-04
4642	565275.9	4222684	0.007236817	3.84E-03	9.50E-04	7.35E-04
4643	565264	4222680	0.007425605	3.94E-03	9.75E-04	7.55E-04
4644	565252	4222676	0.007628755	4.04E-03	1.00E-03	7.75E-04
4645	565216.1	4222665	0.008323335	4.41E-03	1.09E-03	8.46E-04
4646	565200.2	4222660	0.008645665	4.58E-03	1.14E-03	8.79E-04
4647	565162.3	4222651	0.009250571	4.90E-03	1.21E-03	9.40E-04
4648	565294.3	4222709	0.006243308	3.31E-03	8.20E-04	6.34E-04
4649	565278.4	4222704	0.00642158	3.40E-03	8.43E-04	6.53E-04
4650	565266.5	4222700	0.006571474	3.48E-03	8.63E-04	6.68E-04

4651	565242.6	4222692	0.006908947	3.66E-03	9.07E-04	7.02E-04
4652	565230.7	4222689	0.007097304	3.76E-03	9.32E-04	7.21E-04
4653	565218.8	4222685	0.007294699	3.87E-03	9.58E-04	7.41E-04
4654	565202.9	4222680	0.007566866	4.01E-03	9.94E-04	7.69E-04
4655	565163.2	4222667	0.008283312	4.39E-03	1.09E-03	8.42E-04
4656	565152.3	4222651	0.009265068	4.91E-03	1.22E-03	9.42E-04
4657	565149.2	4222666	0.00839133	4.45E-03	1.10E-03	8.53E-04
4658	565295.5	4222728	0.005620946	2.98E-03	7.38E-04	5.71E-04
4659	565283.4	4222724	0.005724095	3.03E-03	7.52E-04	5.82E-04
4660	565271.3	4222720	0.005845856	3.10E-03	7.68E-04	5.94E-04
4661	565247.1	4222713	0.006119906	3.24E-03	8.04E-04	6.22E-04
4662	565235	4222709	0.006273109	3.33E-03	8.24E-04	6.38E-04
4663	565218.8	4222704	0.006492345	3.44E-03	8.53E-04	6.60E-04
4664	565190.5	4222695	0.006910614	3.66E-03	9.08E-04	7.02E-04
4665	565178.4	4222691	0.007098838	3.76E-03	9.32E-04	7.21E-04
4666	565139.1	4222665	0.008417178	4.46E-03	1.11E-03	8.55E-04
4667	565136.1	4222680	0.007645647	4.05E-03	1.00E-03	7.77E-04
4668	565127.4	4222661	0.008643594	4.58E-03	1.14E-03	8.78E-04
4669	565116.9	4222638	0.01002756	5.32E-03	1.32E-03	1.02E-03
4670	565294	4222746	0.005118086	2.71E-03	6.72E-04	5.20E-04
4671	565281.9	4222742	0.005203779	2.76E-03	6.83E-04	5.29E-04
4672	565249.7	4222732	0.005491681	2.91E-03	7.21E-04	5.58E-04
4673	565237.6	4222729	0.005615432	2.98E-03	7.37E-04	5.71E-04
4674	565197.4	4222716	0.006086205	3.23E-03	7.99E-04	6.19E-04
4675	565115.7	4222657	0.008861188	4.70E-03	1.16E-03	9.01E-04
4676	565096.5	4222615	0.01153313	6.11E-03	1.51E-03	1.17E-03
4677	565091.3	4222603	0.01235383	6.55E-03	1.62E-03	1.26E-03
4678	565082.6	4222584	0.01380407	7.32E-03	1.81E-03	1.40E-03
4679	565124.8	4222699	0.006835546	3.62E-03	8.98E-04	6.95E-04
4680	565114.4	4222676	0.007864316	4.17E-03	1.03E-03	7.99E-04
4681	565103.9	4222653	0.009071224	4.81E-03	1.19E-03	9.22E-04
4682	565053.5	4222542	0.01680582	8.91E-03	2.21E-03	1.71E-03
4683	565048.3	4222530	0.01768257	9.38E-03	2.32E-03	1.80E-03
4684	565111.5	4222714	0.006280506	3.33E-03	8.25E-04	6.38E-04
4685	565101.1	4222691	0.007180361	3.81E-03	9.43E-04	7.30E-04
4686	565092.4	4222672	0.00804716	4.27E-03	1.06E-03	8.18E-04
4687	565030	4222534	0.01665417	8.83E-03	2.19E-03	1.69E-03
4688	565024.8	4222523	0.01742156	9.24E-03	2.29E-03	1.77E-03
4689	565014.4	4222500	0.01889943	1.00E-02	2.48E-03	1.92E-03
4690	565098.3	4222729	0.005794053	3.07E-03	7.61E-04	5.89E-04
4691	565087.9	4222706	0.006585999	3.49E-03	8.65E-04	6.69E-04
4692	565077.5	4222683	0.007510464	3.98E-03	9.86E-04	7.63E-04
4693	565029	4222576	0.01336302	7.09E-03	1.75E-03	1.36E-03
4694	565023.8	4222565	0.01407355	7.46E-03	1.85E-03	1.43E-03
4695	565018.6	4222553	0.01478733	7.84E-03	1.94E-03	1.50E-03
4696	565013.4	4222542	0.01549582	8.22E-03	2.04E-03	1.57E-03
4697	565008.2	4222530	0.01617923	8.58E-03	2.12E-03	1.64E-03

4698	565001.3	4222515	0.01706545	9.05E-03	2.24E-03	1.73E-03
4699	565064.2	4222698	0.006882319	3.65E-03	9.04E-04	6.99E-04
4700	565003.7	4222565	0.01359113	7.21E-03	1.78E-03	1.38E-03
4701	564998.6	4222553	0.01423442	7.55E-03	1.87E-03	1.45E-03
4702	564989.9	4222534	0.0152744	8.10E-03	2.01E-03	1.55E-03
4703	565113.9	4222775	0.004555999	2.42E-03	5.98E-04	4.63E-04
4704	565050.7	4222712	0.006355655	3.37E-03	8.35E-04	6.46E-04
4705	564991.2	4222581	0.01226856	6.50E-03	1.61E-03	1.25E-03
4706	564986	4222570	0.0128593	6.82E-03	1.69E-03	1.31E-03
4707	564977.2	4222550	0.01384	7.34E-03	1.82E-03	1.41E-03
4708	565049.7	4222754	0.005112384	2.71E-03	6.71E-04	5.20E-04
4709	564978.1	4222596	0.0111792	5.93E-03	1.47E-03	1.14E-03
4710	564972.9	4222585	0.01171428	6.21E-03	1.54E-03	1.19E-03
4711	564967.6	4222573	0.01224858	6.49E-03	1.61E-03	1.24E-03
4712	565103.2	4222810	0.003896251	2.07E-03	5.12E-04	3.96E-04
4713	565026	4222746	0.005334093	2.83E-03	7.01E-04	5.42E-04
4714	564965	4222612	0.01021659	5.42E-03	1.34E-03	1.04E-03
4715	564959.8	4222600	0.01070872	5.68E-03	1.41E-03	1.09E-03
4716	564954.5	4222589	0.0111974	5.94E-03	1.47E-03	1.14E-03
4717	564949.3	4222577	0.01168569	6.20E-03	1.53E-03	1.19E-03
4718	565110	4222832	0.003559236	1.89E-03	4.67E-04	3.62E-04
4719	565081.8	4222823	0.003712385	1.97E-03	4.88E-04	3.77E-04
4720	565069.8	4222819	0.003781591	2.00E-03	4.97E-04	3.84E-04
4721	565031.9	4222804	0.004072478	2.16E-03	5.35E-04	4.14E-04
4722	565023.2	4222784	0.004446799	2.36E-03	5.84E-04	4.52E-04
4723	565012.7	4222761	0.004961494	2.63E-03	6.52E-04	5.04E-04
4724	564946.6	4222616	0.00981497	5.20E-03	1.29E-03	9.97E-04
4725	564941.4	4222604	0.01026842	5.44E-03	1.35E-03	1.04E-03
4726	564936.2	4222592	0.01071977	5.68E-03	1.41E-03	1.09E-03
4727	564931	4222581	0.01116914	5.92E-03	1.47E-03	1.14E-03
4728	564925.7	4222569	0.01161237	6.16E-03	1.53E-03	1.18E-03
4729	565084.5	4222843	0.003420664	1.81E-03	4.49E-04	3.48E-04
4730	565072.5	4222839	0.003481236	1.85E-03	4.57E-04	3.54E-04
4731	565060.5	4222835	0.003542829	1.88E-03	4.65E-04	3.60E-04
4732	565032.4	4222826	0.003695683	1.96E-03	4.85E-04	3.76E-04
4733	564999.5	4222776	0.004628459	2.45E-03	6.08E-04	4.70E-04
4734	564933.5	4222631	0.009019529	4.78E-03	1.18E-03	9.17E-04
4735	564928.3	4222619	0.009435969	5.00E-03	1.24E-03	9.59E-04
4736	564923.1	4222608	0.009853137	5.22E-03	1.29E-03	1.00E-03
4737	564917.8	4222596	0.01026923	5.44E-03	1.35E-03	1.04E-03
4738	564912.6	4222585	0.01068115	5.66E-03	1.40E-03	1.09E-03
4739	565099.2	4222867	0.003115306	1.65E-03	4.09E-04	3.17E-04
4740	565071.2	4222858	0.003235266	1.72E-03	4.25E-04	3.29E-04
4741	565059.2	4222854	0.003289624	1.74E-03	4.32E-04	3.34E-04
4742	565047.1	4222850	0.003345999	1.77E-03	4.39E-04	3.40E-04
4743	565015.1	4222840	0.003505685	1.86E-03	4.60E-04	3.56E-04
4744	564996.7	4222814	0.0039129	2.07E-03	5.14E-04	3.98E-04

4745	564988	4222795	0.004256801	2.26E-03	5.59E-04	4.33E-04
4746	564979.3	4222776	0.004642392	2.46E-03	6.10E-04	4.72E-04
4747	564915.1	4222634	0.008694348	4.61E-03	1.14E-03	8.84E-04
4748	564909.9	4222623	0.009078808	4.81E-03	1.19E-03	9.23E-04
4749	564904.7	4222612	0.009462974	5.02E-03	1.24E-03	9.62E-04
4750	564899.5	4222600	0.009844664	5.22E-03	1.29E-03	1.00E-03
4751	564894.3	4222589	0.01022264	5.42E-03	1.34E-03	1.04E-03
4752	565086.8	4222882	0.002952124	1.57E-03	3.88E-04	3.00E-04
4753	565074.7	4222878	0.002997929	1.59E-03	3.94E-04	3.05E-04
4754	565062.5	4222874	0.003045483	1.61E-03	4.00E-04	3.10E-04
4755	565001.9	4222855	0.003310469	1.76E-03	4.35E-04	3.36E-04
4756	564974.5	4222810	0.004002627	2.12E-03	5.26E-04	4.07E-04
4757	564897.5	4222640	0.008335358	4.42E-03	1.09E-03	8.47E-04
4758	564892.3	4222628	0.008694133	4.61E-03	1.14E-03	8.84E-04
4759	564887	4222617	0.009052047	4.80E-03	1.19E-03	9.20E-04
4760	564881.8	4222605	0.009407567	4.99E-03	1.24E-03	9.56E-04
4761	565089.5	4222902	0.00275161	1.46E-03	3.61E-04	2.80E-04
4762	565073.4	4222897	0.002805107	1.49E-03	3.68E-04	2.85E-04
4763	565061.3	4222893	0.002846932	1.51E-03	3.74E-04	2.89E-04
4764	565049.2	4222889	0.002890289	1.53E-03	3.80E-04	2.94E-04
4765	565024.9	4222881	0.002982087	1.58E-03	3.92E-04	3.03E-04
4766	565012.8	4222878	0.003030555	1.61E-03	3.98E-04	3.08E-04
4767	564988.6	4222870	0.003132467	1.66E-03	4.11E-04	3.18E-04
4768	564963	4222829	0.003703052	1.96E-03	4.86E-04	3.76E-04
4769	564954.3	4222809	0.004017421	2.13E-03	5.28E-04	4.08E-04
4770	564884.4	4222655	0.007715632	4.09E-03	1.01E-03	7.84E-04
4771	564873.9	4222632	0.008379388	4.44E-03	1.10E-03	8.52E-04
4772	564868.7	4222620	0.008709867	4.62E-03	1.14E-03	8.85E-04
4773	565326.1	4222996	0.002113836	1.12E-03	2.78E-04	2.15E-04
4774	565305.9	4222989	0.00212949	1.13E-03	2.80E-04	2.16E-04
4775	565281.7	4222982	0.002155203	1.14E-03	2.83E-04	2.19E-04
4776	565269.6	4222978	0.002171018	1.15E-03	2.85E-04	2.21E-04
4777	565257.5	4222974	0.002188958	1.16E-03	2.87E-04	2.22E-04
4778	565245.4	4222970	0.00220897	1.17E-03	2.90E-04	2.24E-04
4779	565233.3	4222966	0.002230863	1.18E-03	2.93E-04	2.27E-04
4780	565221.2	4222963	0.002254344	1.20E-03	2.96E-04	2.29E-04
4781	565180.9	4222950	0.002342619	1.24E-03	3.08E-04	2.38E-04
4782	565168.8	4222946	0.002371533	1.26E-03	3.11E-04	2.41E-04
4783	565156.7	4222942	0.002401254	1.27E-03	3.15E-04	2.44E-04
4784	565144.6	4222938	0.002431889	1.29E-03	3.19E-04	2.47E-04
4785	565132.5	4222935	0.002463224	1.31E-03	3.23E-04	2.50E-04
4786	565108.3	4222927	0.002528233	1.34E-03	3.32E-04	2.57E-04
4787	565080.1	4222918	0.00260852	1.38E-03	3.43E-04	2.65E-04
4788	565068	4222914	0.002644642	1.40E-03	3.47E-04	2.69E-04
4789	565055.9	4222910	0.002682055	1.42E-03	3.52E-04	2.73E-04
4790	565031.7	4222903	0.002761024	1.46E-03	3.63E-04	2.81E-04
4791	565019.6	4222899	0.00280274	1.49E-03	3.68E-04	2.85E-04

4792	564975.3	4222885	0.002969231	1.57E-03	3.90E-04	3.02E-04
4793	564958.5	4222863	0.003233168	1.71E-03	4.25E-04	3.29E-04
4794	564949.8	4222844	0.003491806	1.85E-03	4.59E-04	3.55E-04
4795	564944.5	4222832	0.003659991	1.94E-03	4.81E-04	3.72E-04
4796	564935.8	4222813	0.00396586	2.10E-03	5.21E-04	4.03E-04
4797	564871.3	4222670	0.007159221	3.80E-03	9.40E-04	7.28E-04
4798	564866	4222659	0.007465708	3.96E-03	9.80E-04	7.59E-04
4799	564855.5	4222636	0.008081211	4.28E-03	1.06E-03	8.21E-04
4800	564850.3	4222624	0.008387079	4.45E-03	1.10E-03	8.52E-04
4801	565328.4	4223016	0.002006599	1.06E-03	2.64E-04	2.04E-04
4802	565316.3	4223012	0.002013861	1.07E-03	2.64E-04	2.05E-04
4803	565304.3	4223008	0.002022845	1.07E-03	2.66E-04	2.06E-04
4804	565280.1	4223000	0.002046245	1.08E-03	2.69E-04	2.08E-04
4805	565268	4222997	0.002060392	1.09E-03	2.71E-04	2.09E-04
4806	565255.9	4222993	0.002076288	1.10E-03	2.73E-04	2.11E-04
4807	565243.9	4222989	0.002094336	1.11E-03	2.75E-04	2.13E-04
4808	565231.8	4222985	0.002114078	1.12E-03	2.78E-04	2.15E-04
4809	565219.7	4222981	0.00213538	1.13E-03	2.80E-04	2.17E-04
4810	565179.4	4222969	0.002215559	1.17E-03	2.91E-04	2.25E-04
4811	565167.4	4222965	0.002241837	1.19E-03	2.94E-04	2.28E-04
4812	565155.3	4222961	0.002268868	1.20E-03	2.98E-04	2.31E-04
4813	565143.2	4222957	0.002296653	1.22E-03	3.02E-04	2.33E-04
4814	565131.1	4222953	0.002325082	1.23E-03	3.05E-04	2.36E-04
4815	565107	4222946	0.002383825	1.26E-03	3.13E-04	2.42E-04
4816	565094.9	4222942	0.002414191	1.28E-03	3.17E-04	2.45E-04
4817	565074.8	4222935	0.002466397	1.31E-03	3.24E-04	2.51E-04
4818	565062.7	4222932	0.002498942	1.32E-03	3.28E-04	2.54E-04
4819	565050.6	4222928	0.002532509	1.34E-03	3.33E-04	2.57E-04
4820	565026.4	4222920	0.002603275	1.38E-03	3.42E-04	2.65E-04
4821	565014.4	4222916	0.002640634	1.40E-03	3.47E-04	2.68E-04
4822	565002.3	4222913	0.002679473	1.42E-03	3.52E-04	2.72E-04
4823	564990.2	4222909	0.002719737	1.44E-03	3.57E-04	2.76E-04
4824	564978.1	4222905	0.002761454	1.46E-03	3.63E-04	2.81E-04
4825	564966	4222901	0.002804542	1.49E-03	3.68E-04	2.85E-04
4826	564952.2	4222893	0.002889616	1.53E-03	3.79E-04	2.94E-04
4827	564947	4222882	0.003017161	1.60E-03	3.96E-04	3.07E-04
4828	564936.5	4222859	0.003298257	1.75E-03	4.33E-04	3.35E-04
4829	564931.3	4222847	0.003452241	1.83E-03	4.53E-04	3.51E-04
4830	564922.6	4222828	0.003731993	1.98E-03	4.90E-04	3.79E-04
4831	564858.1	4222686	0.006657463	3.53E-03	8.74E-04	6.77E-04
4832	564852.9	4222674	0.006941304	3.68E-03	9.12E-04	7.05E-04
4833	564847.6	4222663	0.007227081	3.83E-03	9.49E-04	7.34E-04
4834	564837.2	4222640	0.00779885	4.13E-03	1.02E-03	7.93E-04
4835	564832	4222628	0.008082071	4.29E-03	1.06E-03	8.21E-04
4836	564767.5	4222486	0.01095811	5.81E-03	1.44E-03	1.11E-03
4837	565330.8	4223036	0.00190813	1.01E-03	2.51E-04	1.94E-04
4838	565318.7	4223032	0.001914182	1.01E-03	2.51E-04	1.95E-04

4839	565306.6	4223028	0.00192174	1.02E-03	2.52E-04	1.95E-04
4840	565282.5	4223020	0.001941724	1.03E-03	2.55E-04	1.97E-04
4841	565270.4	4223016	0.001954151	1.04E-03	2.57E-04	1.99E-04
4842	565258.4	4223013	0.001968217	1.04E-03	2.58E-04	2.00E-04
4843	565246.3	4223009	0.001983764	1.05E-03	2.61E-04	2.02E-04
4844	565234.2	4223005	0.002000978	1.06E-03	2.63E-04	2.03E-04
4845	565222.2	4223001	0.002019698	1.07E-03	2.65E-04	2.05E-04
4846	565198.1	4222994	0.002061307	1.09E-03	2.71E-04	2.09E-04
4847	565186	4222990	0.002083792	1.10E-03	2.74E-04	2.12E-04
4848	565173.9	4222986	0.002107166	1.12E-03	2.77E-04	2.14E-04
4849	565161.9	4222982	0.002131399	1.13E-03	2.80E-04	2.17E-04
4850	565149.8	4222978	0.002156279	1.14E-03	2.83E-04	2.19E-04
4851	565137.7	4222975	0.002181831	1.16E-03	2.87E-04	2.22E-04
4852	565113.6	4222967	0.002234521	1.18E-03	2.93E-04	2.27E-04
4853	565101.5	4222963	0.002261606	1.20E-03	2.97E-04	2.30E-04
4854	565089.5	4222959	0.002289283	1.21E-03	3.01E-04	2.33E-04
4855	565077.4	4222955	0.002317498	1.23E-03	3.04E-04	2.36E-04
4856	565065.3	4222952	0.002346438	1.24E-03	3.08E-04	2.38E-04
4857	565053.3	4222948	0.002376105	1.26E-03	3.12E-04	2.41E-04
4858	565029.2	4222940	0.002438291	1.29E-03	3.20E-04	2.48E-04
4859	565017.1	4222936	0.002471051	1.31E-03	3.25E-04	2.51E-04
4860	565005	4222933	0.002505048	1.33E-03	3.29E-04	2.55E-04
4861	564993	4222929	0.002540283	1.35E-03	3.34E-04	2.58E-04
4862	564980.9	4222925	0.002576916	1.37E-03	3.38E-04	2.62E-04
4863	564968.8	4222921	0.00261484	1.39E-03	3.43E-04	2.66E-04
4864	564956.8	4222917	0.002654136	1.41E-03	3.49E-04	2.70E-04
4865	564944.7	4222913	0.002694616	1.43E-03	3.54E-04	2.74E-04
4866	564937.2	4222905	0.002784155	1.48E-03	3.66E-04	2.83E-04
4867	564932	4222893	0.002904087	1.54E-03	3.81E-04	2.95E-04
4868	564926.8	4222881	0.003032196	1.61E-03	3.98E-04	3.08E-04
4869	564921.5	4222870	0.003168024	1.68E-03	4.16E-04	3.22E-04
4870	564916.3	4222858	0.003312217	1.76E-03	4.35E-04	3.37E-04
4871	564911.1	4222847	0.003465582	1.84E-03	4.55E-04	3.52E-04
4872	564904.1	4222832	0.003685919	1.95E-03	4.84E-04	3.75E-04
4873	564845	4222701	0.006204443	3.29E-03	8.15E-04	6.31E-04
4874	564839.7	4222689	0.006467196	3.43E-03	8.49E-04	6.57E-04
4875	564834.5	4222678	0.006732693	3.57E-03	8.84E-04	6.84E-04
4876	564829.3	4222666	0.006999105	3.71E-03	9.19E-04	7.11E-04
4877	564824.1	4222655	0.007265758	3.85E-03	9.54E-04	7.38E-04
4878	564749.2	4222490	0.01045049	5.54E-03	1.37E-03	1.06E-03
4879	565333.1	4223055	0.001817488	9.64E-04	2.39E-04	1.85E-04
4880	565321	4223052	0.001822545	9.66E-04	2.39E-04	1.85E-04
4881	565309	4223048	0.001828839	9.70E-04	2.40E-04	1.86E-04
4882	565284.9	4223040	0.001845838	9.79E-04	2.42E-04	1.88E-04
4883	565272.8	4223036	0.001856623	9.84E-04	2.44E-04	1.89E-04
4884	565260.8	4223033	0.001868996	9.91E-04	2.45E-04	1.90E-04
4885	565248.7	4223029	0.001882794	9.98E-04	2.47E-04	1.91E-04

4886	565236.7	4223025	0.001897802	1.01E-03	2.49E-04	1.93E-04
4887	565224.6	4223021	0.001914155	1.01E-03	2.51E-04	1.95E-04
4888	565212.6	4223017	0.001932149	1.02E-03	2.54E-04	1.96E-04
4889	565188.5	4223010	0.001971526	1.05E-03	2.59E-04	2.00E-04
4890	565176.4	4223006	0.00199264	1.06E-03	2.62E-04	2.03E-04
4891	565164.4	4223002	0.00201456	1.07E-03	2.65E-04	2.05E-04
4892	565104.1	4222983	0.002132771	1.13E-03	2.80E-04	2.17E-04
4893	565092.1	4222979	0.002157785	1.14E-03	2.83E-04	2.19E-04
4894	565080	4222975	0.002183229	1.16E-03	2.87E-04	2.22E-04
4895	565068	4222972	0.002209211	1.17E-03	2.90E-04	2.25E-04
4896	565055.9	4222968	0.002235732	1.19E-03	2.94E-04	2.27E-04
4897	565043.9	4222964	0.00226287	1.20E-03	2.97E-04	2.30E-04
4898	565019.8	4222956	0.002319623	1.23E-03	3.05E-04	2.36E-04
4899	565007.7	4222953	0.002349451	1.25E-03	3.09E-04	2.39E-04
4900	564995.7	4222949	0.002380382	1.26E-03	3.13E-04	2.42E-04
4901	564983.6	4222945	0.00241247	1.28E-03	3.17E-04	2.45E-04
4902	564971.6	4222941	0.002445822	1.30E-03	3.21E-04	2.49E-04
4903	564959.5	4222937	0.002480411	1.32E-03	3.26E-04	2.52E-04
4904	564947.5	4222934	0.002516264	1.33E-03	3.30E-04	2.56E-04
4905	564935.4	4222930	0.002553274	1.35E-03	3.35E-04	2.59E-04
4906	564925.7	4222923	0.002613173	1.39E-03	3.43E-04	2.66E-04
4907	564920.5	4222912	0.00272127	1.44E-03	3.57E-04	2.77E-04
4908	564915.2	4222900	0.002836415	1.50E-03	3.73E-04	2.88E-04
4909	564910	4222889	0.002959091	1.57E-03	3.89E-04	3.01E-04
4910	564904.8	4222877	0.003089486	1.64E-03	4.06E-04	3.14E-04
4911	564899.6	4222866	0.003227788	1.71E-03	4.24E-04	3.28E-04
4912	564894.4	4222854	0.003374779	1.79E-03	4.43E-04	3.43E-04
4913	564889.2	4222843	0.003530753	1.87E-03	4.64E-04	3.59E-04
4914	564883.9	4222831	0.003695575	1.96E-03	4.85E-04	3.76E-04
4915	564878.7	4222820	0.003869408	2.05E-03	5.08E-04	3.93E-04
4916	564873.5	4222808	0.004051983	2.15E-03	5.32E-04	4.12E-04
4917	564868.3	4222797	0.004243299	2.25E-03	5.57E-04	4.31E-04
4918	564863.1	4222785	0.004443114	2.36E-03	5.84E-04	4.52E-04
4919	564857.9	4222774	0.004651079	2.47E-03	6.11E-04	4.73E-04
4920	564852.7	4222762	0.004866952	2.58E-03	6.39E-04	4.95E-04
4921	564847.4	4222751	0.005089791	2.70E-03	6.68E-04	5.17E-04
4922	564842.2	4222739	0.005319085	2.82E-03	6.99E-04	5.41E-04
4923	564837	4222728	0.005554108	2.94E-03	7.29E-04	5.64E-04
4924	564831.8	4222716	0.005793919	3.07E-03	7.61E-04	5.89E-04
4925	564826.6	4222705	0.00603763	3.20E-03	7.93E-04	6.14E-04
4926	564821.4	4222693	0.006284352	3.33E-03	8.25E-04	6.39E-04
4927	564816.1	4222682	0.006532636	3.46E-03	8.58E-04	6.64E-04
4928	565045.8	4222984	0.002134923	1.13E-03	2.80E-04	2.17E-04
4929	565036	4223001	0.002032743	1.08E-03	2.67E-04	2.07E-04
4930	564894.5	4222482	0.01483131	7.86E-03	1.95E-03	1.51E-03
4931	564814.4	4222490	0.01202251	6.37E-03	1.58E-03	1.22E-03
4932	564794.4	4222489	0.01150935	6.10E-03	1.51E-03	1.17E-03

4933	565206.9	4222702	0.006586779	3.49E-03	8.65E-04	6.69E-04
4934	565204.7	4222740	0.005310451	2.82E-03	6.97E-04	5.40E-04
4935	565075.1	4222576	0.01436492	7.62E-03	1.89E-03	1.46E-03
4936	565287.9	4222785	0.004267237	2.26E-03	5.60E-04	4.34E-04
4937	565271.4	4222778	0.00438959	2.33E-03	5.76E-04	4.46E-04
4938	565254.9	4222771	0.004528996	2.40E-03	5.95E-04	4.60E-04
4939	565091.3	4222688	0.007321677	3.88E-03	9.62E-04	7.44E-04
4940	565080.8	4222662	0.008507282	4.51E-03	1.12E-03	8.65E-04
4941	565077.3	4222654	0.008943653	4.74E-03	1.17E-03	9.09E-04
4942	565261.8	4222814	0.003764995	2.00E-03	4.94E-04	3.83E-04
4943	565253.5	4222811	0.003817498	2.02E-03	5.01E-04	3.88E-04
4944	565245.1	4222807	0.003872636	2.05E-03	5.09E-04	3.94E-04
4945	565128.1	4222758	0.004940138	2.62E-03	6.49E-04	5.02E-04
4946	565119.7	4222755	0.005038525	2.67E-03	6.62E-04	5.12E-04
4947	565077.3	4222702	0.006728739	3.57E-03	8.84E-04	6.84E-04
4948	565279	4222842	0.003391374	1.80E-03	4.45E-04	3.45E-04
4949	565105.3	4222769	0.004716492	2.50E-03	6.19E-04	4.79E-04
4950	565073.6	4222742	0.005438022	2.88E-03	7.14E-04	5.53E-04
4951	565053.1	4222692	0.007117127	3.77E-03	9.35E-04	7.23E-04
4952	564977.8	4222509	0.01652166	8.76E-03	2.17E-03	1.68E-03
4953	565252.3	4222850	0.003270581	1.73E-03	4.30E-04	3.32E-04
4954	565243.8	4222847	0.003312943	1.76E-03	4.35E-04	3.37E-04
4955	565235.4	4222843	0.003357323	1.78E-03	4.41E-04	3.41E-04
4956	565117	4222794	0.004183589	2.22E-03	5.49E-04	4.25E-04
4957	565108.5	4222790	0.004259544	2.26E-03	5.59E-04	4.33E-04
4958	565100.1	4222787	0.004337868	2.30E-03	5.70E-04	4.41E-04
4959	565027.8	4222679	0.007587603	4.02E-03	9.96E-04	7.71E-04
4960	565020.8	4222662	0.008295954	4.40E-03	1.09E-03	8.43E-04
4961	564968.4	4222535	0.01453673	7.71E-03	1.91E-03	1.48E-03
4962	565244.6	4222867	0.003074423	1.63E-03	4.04E-04	3.12E-04
4963	565236.2	4222864	0.003112698	1.65E-03	4.09E-04	3.16E-04
4964	565020.9	4222711	0.006392612	3.39E-03	8.40E-04	6.50E-04
4965	565014	4222694	0.006970809	3.70E-03	9.15E-04	7.08E-04
4966	565007.1	4222677	0.007596802	4.03E-03	9.98E-04	7.72E-04
4967	564958.6	4222560	0.01281217	6.79E-03	1.68E-03	1.30E-03
4968	564951.7	4222543	0.01357954	7.20E-03	1.78E-03	1.38E-03
4969	565245.3	4222888	0.0028635	1.52E-03	3.76E-04	2.91E-04
4970	565237	4222884	0.002896636	1.54E-03	3.80E-04	2.94E-04
4971	565228.7	4222881	0.002931307	1.55E-03	3.85E-04	2.98E-04
4972	565095.9	4222825	0.003669028	1.95E-03	4.82E-04	3.73E-04
4973	564996.7	4222701	0.006703591	3.55E-03	8.80E-04	6.81E-04
4974	564938.4	4222559	0.01237715	6.56E-03	1.63E-03	1.26E-03
4975	564931.5	4222543	0.0130589	6.92E-03	1.72E-03	1.33E-03
4976	565235	4222903	0.002714358	1.44E-03	3.56E-04	2.76E-04
4977	565226.5	4222900	0.002745854	1.46E-03	3.61E-04	2.79E-04
4978	565218.1	4222896	0.002778641	1.47E-03	3.65E-04	2.82E-04
4979	565099.7	4222847	0.003360281	1.78E-03	4.41E-04	3.41E-04

4980	564988.7	4222730	0.005783053	3.07E-03	7.59E-04	5.88E-04
4981	564978.2	4222704	0.006541996	3.47E-03	8.59E-04	6.65E-04
4982	564974.7	4222696	0.006814217	3.61E-03	8.95E-04	6.93E-04
4983	564918.8	4222560	0.01189411	6.31E-03	1.56E-03	1.21E-03
4984	565235.7	4222924	0.002541063	1.35E-03	3.34E-04	2.58E-04
4985	565227.4	4222920	0.002568685	1.36E-03	3.37E-04	2.61E-04
4986	565219	4222917	0.002597465	1.38E-03	3.41E-04	2.64E-04
4987	565084.9	4222860	0.003195243	1.69E-03	4.20E-04	3.25E-04
4988	564964.4	4222719	0.006055381	3.21E-03	7.95E-04	6.15E-04
4989	564961	4222711	0.006298769	3.34E-03	8.27E-04	6.40E-04
4990	564905.6	4222577	0.01090743	5.78E-03	1.43E-03	1.11E-03
4991	564991.9	4222834	0.00360106	1.91E-03	4.73E-04	3.66E-04
4992	564947.2	4222726	0.005842602	3.10E-03	7.67E-04	5.94E-04
4993	564943.7	4222718	0.00606848	3.22E-03	7.97E-04	6.17E-04
4994	564885.3	4222576	0.01056907	5.60E-03	1.39E-03	1.07E-03
4995	564977.6	4222848	0.003412219	1.81E-03	4.48E-04	3.47E-04
4996	564932.2	4222738	0.005503838	2.92E-03	7.23E-04	5.59E-04
4997	564925.2	4222721	0.005932678	3.15E-03	7.79E-04	6.03E-04
4998	564872.8	4222594	0.009680164	5.13E-03	1.27E-03	9.84E-04
4999	565201.7	4222970	0.002207759	1.17E-03	2.90E-04	2.24E-04
5000	565193.3	4222966	0.002230863	1.18E-03	2.93E-04	2.27E-04
5001	565176.6	4222959	0.002279197	1.21E-03	2.99E-04	2.32E-04
5002	565168.2	4222956	0.002304318	1.22E-03	3.03E-04	2.34E-04
5003	565159.8	4222952	0.002330031	1.24E-03	3.06E-04	2.37E-04
5004	564914.9	4222745	0.005322608	2.82E-03	6.99E-04	5.41E-04
5005	564911.4	4222736	0.005519438	2.93E-03	7.25E-04	5.61E-04
5006	564856	4222602	0.009176794	4.87E-03	1.21E-03	9.33E-04
5007	564849	4222585	0.009641218	5.11E-03	1.27E-03	9.80E-04
5008	565157	4222971	0.00220281	1.17E-03	2.89E-04	2.24E-04
5009	565148.5	4222967	0.002227125	1.18E-03	2.92E-04	2.26E-04
5010	564986.8	4222899	0.002811966	1.49E-03	3.69E-04	2.86E-04
5011	564978.3	4222896	0.002852015	1.51E-03	3.75E-04	2.90E-04
5012	564961.2	4222889	0.002935395	1.56E-03	3.86E-04	2.98E-04
5013	564899.9	4222757	0.005030188	2.67E-03	6.61E-04	5.11E-04
5014	564896.4	4222749	0.005214403	2.76E-03	6.85E-04	5.30E-04
5015	564892.9	4222740	0.005404374	2.87E-03	7.10E-04	5.49E-04
5016	564840.1	4222612	0.008653411	4.59E-03	1.14E-03	8.79E-04
5017	564836.6	4222603	0.008874098	4.71E-03	1.17E-03	9.02E-04
5018	565335.8	4223046	0.001863858	9.88E-04	2.45E-04	1.89E-04
5019	565327.2	4223062	0.001780801	9.44E-04	2.34E-04	1.81E-04
5020	565158.2	4222991	0.002076208	1.10E-03	2.73E-04	2.11E-04
5021	565149.8	4222988	0.002098101	1.11E-03	2.76E-04	2.13E-04
5022	565141.3	4222984	0.002120453	1.12E-03	2.78E-04	2.15E-04
5023	564963.9	4222910	0.002720571	1.44E-03	3.57E-04	2.76E-04
5024	564955.4	4222906	0.002758469	1.46E-03	3.62E-04	2.80E-04
5025	564947	4222903	0.002797334	1.48E-03	3.67E-04	2.84E-04
5026	564882.7	4222764	0.004874214	2.58E-03	6.40E-04	4.95E-04

5027	564879.2	4222755	0.005046675	2.68E-03	6.63E-04	5.13E-04
5028	564823.3	4222620	0.00823272	4.36E-03	1.08E-03	8.37E-04
5029	564816.3	4222603	0.00863722	4.58E-03	1.13E-03	8.78E-04
5030	565335.6	4223066	0.001773835	9.40E-04	2.33E-04	1.80E-04
5031	565327.1	4223082	0.001696884	9.00E-04	2.23E-04	1.72E-04
5032	565318.7	4223079	0.001703447	9.03E-04	2.24E-04	1.73E-04
5033	565310.3	4223075	0.001710628	9.07E-04	2.25E-04	1.74E-04
5034	565285.2	4223065	0.001736287	9.21E-04	2.28E-04	1.76E-04
5035	565276.8	4223061	0.001746293	9.26E-04	2.29E-04	1.77E-04
5036	565268.4	4223058	0.001757132	9.32E-04	2.31E-04	1.79E-04
5037	565260	4223054	0.001768671	9.38E-04	2.32E-04	1.80E-04
5038	565251.6	4223051	0.001781043	9.44E-04	2.34E-04	1.81E-04
5039	565243.2	4223047	0.001794062	9.51E-04	2.36E-04	1.82E-04
5040	565234.8	4223044	0.001807833	9.59E-04	2.37E-04	1.84E-04
5041	565226.4	4223040	0.001822249	9.66E-04	2.39E-04	1.85E-04
5042	565218	4223037	0.001837419	9.74E-04	2.41E-04	1.87E-04
5043	565209.6	4223033	0.001853288	9.83E-04	2.43E-04	1.88E-04
5044	564966.3	4222931	0.00253138	1.34E-03	3.32E-04	2.57E-04
5045	564957.9	4222927	0.00256457	1.36E-03	3.37E-04	2.61E-04
5046	564949.5	4222924	0.002598568	1.38E-03	3.41E-04	2.64E-04
5047	564932.7	4222917	0.002669387	1.42E-03	3.51E-04	2.71E-04
5048	564872.3	4222787	0.004415195	2.34E-03	5.80E-04	4.49E-04
5049	564861.9	4222762	0.004886587	2.59E-03	6.42E-04	4.97E-04
5050	564855	4222745	0.005222795	2.77E-03	6.86E-04	5.31E-04
5051	565335.5	4223086	0.001690698	8.96E-04	2.22E-04	1.72E-04
5052	565326.9	4223102	0.001619125	8.58E-04	2.13E-04	1.65E-04
5053	565318.4	4223099	0.001625312	8.62E-04	2.13E-04	1.65E-04
5054	565309.9	4223095	0.001631874	8.65E-04	2.14E-04	1.66E-04
5055	565292.8	4223088	0.001646856	8.73E-04	2.16E-04	1.67E-04
5056	565284.3	4223085	0.001655382	8.78E-04	2.17E-04	1.68E-04
5057	565190.8	4223045	0.001795218	9.52E-04	2.36E-04	1.82E-04
5058	565182.3	4223042	0.001811598	9.61E-04	2.38E-04	1.84E-04
5059	565173.8	4223038	0.001828516	9.69E-04	2.40E-04	1.86E-04
5060	565165.3	4223035	0.001846026	9.79E-04	2.42E-04	1.88E-04
5061	565156.8	4223031	0.0018641	9.88E-04	2.45E-04	1.89E-04
5062	565148.3	4223027	0.001882498	9.98E-04	2.47E-04	1.91E-04
5063	565139.8	4223024	0.001901325	1.01E-03	2.50E-04	1.93E-04
5064	565131.3	4223020	0.001920557	1.02E-03	2.52E-04	1.95E-04
5065	565122.8	4223017	0.001940057	1.03E-03	2.55E-04	1.97E-04
5066	565114.3	4223013	0.001959906	1.04E-03	2.57E-04	1.99E-04
5067	565097.2	4223006	0.002000493	1.06E-03	2.63E-04	2.03E-04
5068	565088.7	4223002	0.002021285	1.07E-03	2.65E-04	2.05E-04
5069	565080.2	4222999	0.002042345	1.08E-03	2.68E-04	2.08E-04
5070	565071.7	4222995	0.002063727	1.09E-03	2.71E-04	2.10E-04
5071	565063.2	4222992	0.002085433	1.11E-03	2.74E-04	2.12E-04
5072	565054.7	4222988	0.002107569	1.12E-03	2.77E-04	2.14E-04
5073	565020.7	4222974	0.002200712	1.17E-03	2.89E-04	2.24E-04

5074	565012.2	4222970	0.002225484	1.18E-03	2.92E-04	2.26E-04
5075	565003.7	4222967	0.002250848	1.19E-03	2.96E-04	2.29E-04
5076	564995.2	4222963	0.002276964	1.21E-03	2.99E-04	2.31E-04
5077	564986.7	4222960	0.002303834	1.22E-03	3.03E-04	2.34E-04
5078	564978.2	4222956	0.002331538	1.24E-03	3.06E-04	2.37E-04
5079	564969.7	4222952	0.002360156	1.25E-03	3.10E-04	2.40E-04
5080	564961.2	4222949	0.002389554	1.27E-03	3.14E-04	2.43E-04
5081	564952.7	4222945	0.002419866	1.28E-03	3.18E-04	2.46E-04
5082	564927.2	4222934	0.00251613	1.33E-03	3.30E-04	2.56E-04
5083	564918.7	4222931	0.002549616	1.35E-03	3.35E-04	2.59E-04
5084	564906.6	4222919	0.002661479	1.41E-03	3.50E-04	2.70E-04
5085	564903.1	4222910	0.002742949	1.45E-03	3.60E-04	2.79E-04
5086	564899.6	4222902	0.002828131	1.50E-03	3.71E-04	2.87E-04
5087	564896.1	4222893	0.002917374	1.55E-03	3.83E-04	2.96E-04
5088	564892.6	4222885	0.003010759	1.60E-03	3.95E-04	3.06E-04
5089	564889.1	4222876	0.003108582	1.65E-03	4.08E-04	3.16E-04
5090	564885.5	4222868	0.003210628	1.70E-03	4.22E-04	3.26E-04
5091	564882	4222859	0.003317247	1.76E-03	4.36E-04	3.37E-04
5092	564878.5	4222851	0.003428411	1.82E-03	4.50E-04	3.48E-04
5093	564875	4222842	0.003544174	1.88E-03	4.65E-04	3.60E-04
5094	564871.5	4222834	0.003664456	1.94E-03	4.81E-04	3.72E-04
5095	564868	4222825	0.003789525	2.01E-03	4.98E-04	3.85E-04
5096	564864.5	4222816	0.003919302	2.08E-03	5.15E-04	3.98E-04
5097	564860.9	4222808	0.004053731	2.15E-03	5.32E-04	4.12E-04
5098	564857.4	4222799	0.004192599	2.22E-03	5.51E-04	4.26E-04
5099	564853.9	4222791	0.004336146	2.30E-03	5.69E-04	4.41E-04
5100	564850.4	4222782	0.004484105	2.38E-03	5.89E-04	4.56E-04
5101	564846.9	4222774	0.004636313	2.46E-03	6.09E-04	4.71E-04
5102	564843.4	4222765	0.004792636	2.54E-03	6.29E-04	4.87E-04
5103	564839.8	4222757	0.004952698	2.63E-03	6.50E-04	5.03E-04
5104	564836.3	4222748	0.00511658	2.71E-03	6.72E-04	5.20E-04
5105	564832.8	4222740	0.005283931	2.80E-03	6.94E-04	5.37E-04
5106	564822.3	4222714	0.005803171	3.08E-03	7.62E-04	5.90E-04
5107	564797.7	4222654	0.007069493	3.75E-03	9.28E-04	7.18E-04
5108	564794.1	4222646	0.007250804	3.84E-03	9.52E-04	7.37E-04
5109	564790.6	4222637	0.007430877	3.94E-03	9.76E-04	7.55E-04
5110	564783.6	4222620	0.007785939	4.13E-03	1.02E-03	7.91E-04
5111	565335.4	4223106	0.001613558	8.56E-04	2.12E-04	1.64E-04

			UnMitigated				T2				T2L3				T4			
						7.79E-07				5.41E-07				1.51E-07				9.09E-08
			Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	565427.7	4222516	1.45E-07	5.58E-09	6.88E-08	2.20E-07	7.70E-08	6.12E-09	6.88E-08	1.52E-07	1.91E-08	1.09E-09	2.25E-08	4.27E-08	1.48E-08	6.07E-10	1.03E-08	2.56E-08
2	565422.4	4222529	1.04E-07	5.48E-09	4.92E-08	1.59E-07	5.51E-08	6.01E-09	4.92E-08	1.10E-07	1.37E-08	1.07E-09	1.61E-08	3.08E-08	1.06E-08	5.96E-10	7.35E-09	1.85E-08
3	565432.3	4222525	1.20E-07	5.43E-09	5.70E-08	1.83E-07	6.38E-08	5.95E-09	5.70E-08	1.27E-07	1.58E-08	1.06E-09	1.86E-08	3.55E-08	1.22E-08	5.90E-10	8.51E-09	2.13E-08
4	565427	4222537	8.87E-08	5.34E-09	4.20E-08	1.36E-07	4.70E-08	5.85E-09	4.20E-08	9.49E-08	1.17E-08	1.04E-09	1.38E-08	2.64E-08	9.02E-09	5.81E-10	6.27E-09	1.59E-08
5	565436.9	4222533	1.02E-07	5.41E-09	4.83E-08	1.56E-07	5.41E-08	5.93E-09	4.83E-08	1.08E-07	1.34E-08	1.06E-09	1.58E-08	3.03E-08	1.04E-08	5.89E-10	7.21E-09	1.82E-08
6	565431.6	4222546	7.71E-08	5.50E-09	3.65E-08	1.19E-07	4.09E-08	6.03E-09	3.65E-08	8.34E-08	1.01E-08	1.07E-09	1.19E-08	2.31E-08	7.83E-09	5.98E-10	5.45E-09	1.39E-08
7	565422.3	4222548	6.97E-08	5.44E-09	3.30E-08	1.08E-07	3.69E-08	5.96E-09	3.30E-08	7.59E-08	9.15E-09	1.06E-09	1.08E-08	2.10E-08	7.08E-09	5.91E-10	4.93E-09	1.26E-08
8	565441.5	4222542	8.81E-08	5.38E-09	4.17E-08	1.35E-07	4.67E-08	5.90E-09	4.17E-08	9.43E-08	1.16E-08	1.05E-09	1.37E-08	2.63E-08	8.95E-09	5.85E-10	6.23E-09	1.58E-08
9	565435.3	4222555	6.73E-08	5.28E-09	3.19E-08	1.04E-07	3.57E-08	5.79E-09	3.19E-08	7.33E-08	8.84E-09	1.03E-09	1.04E-08	2.03E-08	6.84E-09	5.74E-10	4.76E-09	1.22E-08
10	565424.1	4222558	5.99E-08	5.23E-09	2.84E-08	9.35E-08	3.18E-08	5.73E-09	2.84E-08	6.59E-08	7.87E-09	1.02E-09	9.28E-09	1.82E-08	6.09E-09	5.69E-10	4.24E-09	1.09E-08
11	565446.1	4222551	7.72E-08	5.30E-09	3.66E-08	1.19E-07	4.09E-08	5.81E-09	3.66E-08	8.33E-08	1.01E-08	1.03E-09	1.20E-08	2.32E-08	7.85E-09	5.76E-10	5.46E-09	1.39E-08
12	565440.1	4222564	6.00E-08	5.38E-09	2.84E-08	9.38E-08	3.18E-08	5.89E-09	2.84E-08	6.61E-08	7.88E-09	1.05E-09	9.30E-09	1.82E-08	6.10E-09	5.85E-10	4.24E-09	1.09E-08
13	565429.2	4222566	5.39E-08	5.48E-09	2.55E-08	8.49E-08	2.86E-08	6.01E-09	2.55E-08	6.01E-08	7.07E-09	1.07E-09	8.35E-09	1.65E-08	5.47E-09	5.96E-10	3.81E-09	9.88E-09
14	565450.7	4222560	6.83E-08	4.75E-09	3.24E-08	1.05E-07	3.62E-08	5.20E-09	3.24E-08	7.38E-08	8.97E-09	9.27E-10	1.06E-08	2.05E-08	6.94E-09	5.16E-10	4.83E-09	1.23E-08
15	565444.8	4222572	5.39E-08	4.64E-09	2.55E-08	8.41E-08	2.86E-08	5.09E-09	2.55E-08	5.92E-08	7.08E-09	9.07E-10	8.36E-09	1.63E-08	5.48E-09	5.05E-10	3.81E-09	9.80E-09
16	565434.1	4222575	4.86E-08	4.45E-09	2.30E-08	7.61E-08	2.58E-08	4.88E-09	2.30E-08	5.37E-08	6.39E-09	8.69E-10	7.54E-09	1.48E-08	4.94E-09	4.84E-10	3.44E-09	8.87E-09
17	565423.4	4222578	4.42E-08	4.35E-09	2.10E-08	6.95E-08	2.34E-08	4.77E-09	2.10E-08	4.92E-08	5.81E-09	8.50E-10	6.86E-09	1.35E-08	4.49E-09	4.73E-10	3.13E-09	8.10E-09
18	565455.4	4222568	6.11E-08	4.19E-09	2.89E-08	9.42E-08	3.24E-08	4.59E-09	2.89E-08	6.59E-08	8.02E-09	8.19E-10	9.47E-09	1.83E-08	6.21E-09	4.56E-10	4.32E-09	1.10E-08
19	565449.5	4222581	4.90E-08	4.10E-09	2.32E-08	7.63E-08	2.60E-08	4.50E-09	2.32E-08	5.37E-08	6.43E-09	8.02E-10	7.59E-09	1.48E-08	4.98E-09	4.46E-10	3.46E-09	8.89E-09
20	565439	4222584	4.44E-08	3.16E-09	2.11E-08	6.87E-08	2.36E-08	3.46E-09	2.11E-08	4.81E-08	5.84E-09	6.17E-10	6.89E-09	1.33E-08	4.52E-09	3.44E-10	3.14E-09	8.00E-09
21	565428.5	4222586	4.05E-08	3.08E-09	1.92E-08	6.28E-08	2.15E-08	3.37E-09	1.92E-08	4.41E-08	5.33E-09	6.01E-10	6.29E-09	1.22E-08	4.12E-09	3.35E-10	2.87E-09	7.32E-09
22	565460	4222577	5.52E-08	3.01E-09	2.61E-08	8.43E-08	2.92E-08	3.30E-09	2.61E-08	5.87E-08	7.24E-09	5.88E-10	8.55E-09	1.64E-08	5.61E-09	3.28E-10	3.90E-09	9.83E-09
23	565454.2	4222590	4.48E-08	2.95E-09	2.12E-08	6.90E-08	2.38E-08	3.23E-09	2.12E-08	4.82E-08	5.89E-09	5.76E-10	6.95E-09	1.34E-08	4.56E-09	3.21E-10	3.17E-09	8.05E-09
24	565443.8	4222592	4.09E-08	2.92E-09	1.94E-08	6.31E-08	2.17E-08	3.20E-09	1.94E-08	4.42E-08	5.37E-09	5.70E-10	6.34E-09	1.23E-08	4.15E-09	3.17E-10	2.89E-09	7.36E-09
25	565433.4	4222595	3.74E-08	2.81E-09	1.77E-08	5.79E-08	1.98E-08	3.08E-09	1.77E-08	4.06E-08	4.91E-09	5.49E-10	5.80E-09	1.13E-08	3.80E-09	3.06E-10	2.64E-09	6.75E-09
26	565423	4222597	3.45E-08	2.74E-09	1.64E-08	5.36E-08	1.83E-08	3.01E-09	1.64E-08	3.77E-08	4.53E-09	5.36E-10	5.35E-09	1.04E-08	3.51E-09	2.98E-10	2.44E-09	6.25E-09
27	565464.6	4222586	5.02E-08	2.70E-09	2.38E-08	7.67E-08	2.66E-08	2.96E-09	2.38E-08	5.34E-08	6.59E-09	5.28E-10	7.78E-09	1.49E-08	5.10E-09	2.94E-10	3.55E-09	8.95E-09
28	565458.3	4222598	4.10E-08	2.70E-09	1.94E-08	6.32E-08	2.18E-08	2.96E-09	1.94E-08	4.42E-08	5.39E-09	5.28E-10	6.36E-09	1.23E-08	4.17E-09	2.94E-10	2.90E-09	7.37E-09
29	565469.2	4222594	4.60E-08	2.68E-09	2.18E-08	7.04E-08	2.44E-08	2.94E-09	2.18E-08	4.91E-08	6.04E-09	5.24E-10	7.13E-09	1.37E-08	4.67E-09	2.92E-10	3.25E-09	8.21E-09
30	565438.1	4223019	4.23E-09	2.68E-09	2.00E-09	8.91E-09	2.24E-09	2.94E-09	2.00E-09	7.18E-09	5.55E-10	5.23E-10	6.56E-10	1.73E-09	4.30E-10	2.91E-10	2.99E-10	1.02E-09
31	565426.8	4223022	4.15E-09	2.66E-09	1.97E-09	8.78E-09	2.20E-09	2.92E-09	1.97E-09	7.09E-09	5.45E-10	5.20E-10	6.44E-10	1.71E-09	4.22E-10	2.89E-10	2.94E-10	1.01E-09
32	565415.4	4223025	4.08E-09	2.67E-09	1.93E-09	8.68E-09	2.16E-09	2.93E-09	1.93E-09	7.02E-09	5.36E-10	5.22E-10	6.32E-10	1.69E-09	4.15E-10	2.91E-10	2.88E-10	9.94E-10
33	565449.1	4223037	4.08E-09	2.69E-09	1.93E-09	8.70E-09	2.16E-09	2.95E-09	1.93E-09	7.04E-09	5.36E-10	5.26E-10	6.32E-10	1.69E-09	4.14E-10	2.93E-10	2.88E-10	9.96E-10
34	565437.8	4223040	4.01E-09	2.78E-09	1.90E-09	8.68E-09	2.12E-09	3.05E-09	1.90E-09	7.07E-09	5.26E-10	5.43E-10	6.21E-10	1.69E-09	4.07E-10	3.02E-10	2.83E-10	9.93E-10
35	565426.5	4223042	3.94E-09	2.91E-09	1.87E-09	8.71E-09	2.09E-09	3.19E-09	1.87E-09	7.14E-09	5.17E-10	5.68E-10	6.10E-10	1.70E-09	4.00E-10	3.16E-10	2.78E-10	9.95E-10
36	565415.3	4223045	3.87E-09	2.98E-09	1.83E-09	8.69E-09	2.05E-09	3.27E-09	1.83E-09	7.15E-09	5.08E-10	5.83E-10	6.00E-10	1.69E-09	3.93E-10	3.24E-10	2.74E-10	9.91E-10
37	565443.8	4223058	3.84E-09	2.89E-09	1.82E-09	8.54E-09	2.04E-09	3.16E-09	1.82E-09	7.02E-09	5.04E-10	5.64E-10	5.95E-10	1.66E-09	3.90E-10	3.14E-10	2.71E-10	9.76E-10
38	565432.4	4223061	3.77E-09	2.81E-09	1.79E-09	8.37E-09	2.00E-09	3.08E-09	1.79E-09	6.87E-09	4.96E-10	5.49E-10	5.85E-10	1.63E-09	3.84E-10	3.06E-10	2.67E-10	9.56E-10
39	565420.9	4223064	3.71E-09	2.75E-09	1.76E-09	8.21E-09	1.97E-09	3.01E-09	1.76E-09	6.73E-09	4.87E-10	5.36E-10	5.75E-10	1.60E-09	3.77E-10	2.99E-10	2.62E-10	9.38E-10
40	565443.4	4223078	3.65E-09	3.37E-09	1.73E-09	8.75E-09	1.93E-09	3.70E-09	1.73E-09	7.36E-09	4.79E-10	6.59E-10	5.66E-10	1.70E-09	3.71E-10	3.67E-10	2.58E-10	9.95E-10
41	565432.1	4223081	3.59E-09	3.31E-09	1.70E-09	8.60E-09	1.90E-09	3.63E-09	1.70E-09	7.23E-09	4.71E-10	6.47E-10	5.56E-10	1.67E-09	3.65E-10	3.60E-10	2.54E-10	9.79E-10
42	565420.7	4223084	3.53E-09	3.67E-09	1.67E-09	8.87E-09	1.87E-09	4.02E-09	1.67E-09	7.57E-09	4.64E-10	7.17E-10	5.47E-10	1.73E-09	3.59E-10	3.99E-10	2.50E-10	1.01E-09
43	565443.1	4223098	3.47E-09	3.85E-09	1.65E-09	8.97E-09	1.84E-09	4.22E-09	1.65E-09	7.71E-09	4.56E-10	7.52E-10	5.38E-10	1.75E-09	3.53E-10	4.19E-10	2.46E-10	1.02E-09
44	565431.8	4223101	3.42E-09	4.06E-09	1.62E-09	9.10E-09	1.81E-09	4.45E-09	1.62E-09	7.88E-09	4.49E-10	7.94E-10	5.30E-10	1.77E-09	3.47E-10	4.42E-10	2.42E-10	1.03E-09
45	565420.5	4223104	3.36E-09	4.02E-09	1.59E-09	8.98E-09	1.78E-09	4.41E-09	1.59E-09	7.79E-09	4.42E-10	7.86E-10	5.22E-10	1.75E-09	3.42E-10	4.38E-10	2.38E-10	1.02E-09
46	565433.5	4222508	1.83E-07	4.73E-09	8.68E-08	2.75E-07	9.71E-08	5.19E-09	8.68E-08	1.89E-07	2.41E-08	9.24E-10	2.84E-08	5.34E-08	1.86E-08	5.14E-10	1.30E-08	3.21E-08
47	565406.8	4223063	3.67E-09	4.67E-09	1.74E-09	1.01E-08	1.95E-09	5.12E-09	1.74E-09	8.81E-09	4.82E-10	9.12E-10	5.69E-10	1.96E-09	3.73E-10	5.08E-10	2.60E-10	1.14E-09
48	565406.4	4223083	3.49E-09	4.60E-09	1.66E-09	9.75E-09	1.85E-09	5.04E-09	1.66E-09	8.55E-09	4.59E-10	8.98E-10	5.42E-10	1.90E-09	3.55E-10	5.00E-10	2.47E-10	1.10E-09
49	565405.9	4223103	3.33E-09	4.47E-09	1.58E-09	9.38E-09	1.77E-09	4.90E-09	1.58E-09	8.24E-09	4.37E-10	8.73E-10	5.16E-10	1.83E-09	3.38E-10	4.86E-10	2.36E-10	1.06E-09
50	565443.5	4222508	1.89E-07	4.37E-09	8.98E-08	2.84E-07	1.00E-07	4.79E-09	8.98E-08	1.95E-07	2.49E-08	8.54E-10	2.94E-08	5.51E-08	1.93E-08	4.75E-10	1.34E-08	3.31E-08
51	565453.4	4222509	1.95E-07	4.19E-09	9.22E-08	2.91E-07	1.03E-07	4.60E-09	9.22E-08	2.00E-07	2.55E-08	8.19E-10	3.02E-08	5.65E-08	1.98E-08	4.56E-10	1.38E-08	3.40E-08
52	565463.3	4222509	1.99E-07	4.03E-09	9.41E-08	2.97E-07	1.05E-07	4.42E-09	9.41E-08	2.04E-07	2.61E-08	7.88E-10	3.08E-08	5.77E-08	2.02E-08	4.39E-10	1.40E-08	3.47E-08
53	565473.1	4222509	2.03E-07	4.15E-09	9.60E-08	3.03E-07	1.07E-07	4.55E-09	9.60E-08	2.08E-07	2.66E-08	8.11E-10	3.14E-08	5.88E-08	2.06E-08	4.52E-10	1.43E-08	3.54E-08
54	565483	4222509	2.05E-07	4.13E-09	9.73E-08	3.07E-07	1.09E-07	4.53E-09	9.73E-08	2.11E-07	2.70E-08	8.08E-10	3.18E-08	5.96E-08	2.09E-08	4.50E-10	1.45E-08	3.58E-08
55	565443.4	4222518	1.48E-07	4.05E-09	7.00E-08	2.22E-07	7.84E-08	4.44E-09	7.00E-08	1.53E-07	1.94E-08	7.91E-10	2.29E-08	4.31E-08	1.50E-08	4.40E-10	1.05E-08	2.59E-08
56	565453.3	4222518	1.53E-07	3.86E-09	7.27E-08	2.30E-07	8.13E-08	4.23E-09	7.27E-08	1.58E-07	2.01E-08	7.55E-10	2.38E-08	4.47E-08	1.56E-08	4.20E-10	1.08E-08	2.69E-08
57	565463.2	4222518	1.58E-07	3.68E-09	7.50E-08	2.37E-07	8.39E-08	4.04E-09	7.50E-08	1.63E-07	2.08E-08	7.19E-10	2.45E-08	4.60E-08	1.61E-08	4.00E-10	1.12E-08	2.77E-08
58	565473.1	4222519	1.63E-07	6.43E-08	7.72E-08	3.05E-07	8.64E-08	7.05E-08	7.72E-08	2.34E-07	2.14E-08	1.26E-08	2.53E-08	5.92E-08	1.66E-08	7.00E-09	1.15E-08	3.51E-08
59	565482.9	4222519	1.67E-07	6.10E-08	7.91E-08	3.07E-07	8.85E-08	6.69E-08	7.91E-08	2.34E-07	2.19E-08	1.19E-08	2.59E-08	5.97E-08	1.70E-08	6.64E-09	1.18E-08	3.54E-08
60	565453.2	4222528	1.24E-07	5.31E-08	5.86E-08	2.35E-07	6.56E-08	5.82E-08	5.86E-08	1.82E-07	1.62E-08	1.04E-08	1.92E-08	4.58E-08	1.26E-08	5.77E-09	8.74E-09	2.71E-08
61	565463.1	4222528	1.29E-07	5.60E-08	6.09E-08	2.45E-07	6.82E-08	6.14E-08	6.09E-08	1.90E-07	1.69E-08	1.09E-08	1.99E-08	4.78E-08	1.31E-08	6.10E-09	9.09E-09	2.83E-08
62	565473	4222528	1.33E-07	5.69E-08	6.32E-08	2.54E-07	7.08E-08	6.23E-08	6.32E-08	1.96E-07	1.75E-08	1.11E-08	2.07E-08	4.93E-08	1.36E-08	6.19E-09	9.44E-09	2.92E-08
63	565482.8	4222529	1.38E-07	5.17E-08	6.53E-08	2.55E-07	7.30E-08	5.67E-08	6.53E-08	1.95E-07	1.81E-08	1.01E-08	2.14E-08	4.96E-08	1.40E-08	5.63E-09	9.74E-09	2.94E-08
64	565453.1	4222538	1.01E-07	4.87E-08	4.81E-08	1.98E-07	5.38E-08	5.34E-08	4.81E-08	1.55E-07	1.33E-08	9.52E-09	1.57E-08	3.86E-08	1.03E-08	5.30E-09	7.17E-09	2.28E-08
65	565463	4222538	1.06E-07	1.77E-08	5.03E-08	1.74E-07	5.62E-08	1.94E-08	5.03E-08	1.26E-07	1.39E-08	3.45E-09	1.64E-08	3.38E-08	1.08E-08	1.92E-09	7.50E-09	2.02E-08
66	565472.9	4222538	1.11E-07	2.29E-08	5.25E-08	1.86E-07	5.88E-08	2.51E-08	5.25E-08	1.36E-07	1.46E-08	4.48E-09	1.72E-08	3.62E-08	1.13E-08	2.49E-09	7.84E-09	2.16E-08
67	565482.8	4222538	1.15E-07	2.52E-08	5.45E-08	1.95E-07	6.10E-08	2.76E-08	5.45E-08	1.43E-07	1.51E-08	4.92E-09	1.78E-08	3.79E-08	1.17E-08	2.74E-09	8.14E-09	2.26E-08
68	565462.9	4222548	8.87E-08	2.77E-08	4.20E-08	1.58E-07	4.70E-08	3.04E-08	4.20E-08	1.19E-07	1.16E-08	5.42E-09	1.38E-08	3.08E-08	9.01E-09	3.02E-09	6.27E-09	1.83E-08
69	565472.8	4222548	9.31E-08	2.38E-08	4.41E-08	1.61E-07	4.94E-08	2.61E-08	4.41E-08	1.20E-07	1.22E-08	4.65E-09	1.44E-08	3.13E-08	9.46E-09	2.59E-09	6.58E-09	1.86E-08
70	565482.7	4222548	9.72E-08	2.24E-08	4.60E-08	1.66E-07	5.15E-08	2.46E-08	4.60E-08	1.22E-07	1.28E-08	4.38E-09	1.51E-08	3.22E-08	9.87E-09	2.44E-09	6.87E-09	1.92E-08
71	565462.8	4222558	7.51E-08	1.73E-08	3.56E-08	1.28E-07	3.98E-08	1.90E-08	3.56E-08	9.44E-08	9.86E-09	3.39E-09	1.16E-08	2.49E-08	7.63E-09	1.88E-09	5.31E-09	1.48E-08
72	565472.7	4222558	7.90E-08	1.84E-08	3.74E-08	1.35E-07	4.19E-08	2.02E-08	3.74E-08	9.96E-08	1.04E-08	3.60E-09	1.23E-08	2.62E-08	8.03E-09	2.01E-09	5.59E-09	1.56E-08
73	565482.6	4222558	8.28E-08	1.96E-08	3.92E-08	1.42E-07	4.39E-08	2.15E-08	3.92E-08	1.05E-07	1.09E-08	3.83E-09	1.28E-08	2.75E-08	8.42E-09	2.13E-09	5.86E-09	1.64E-08
74	565472.6	4222568	6.78E-08	2.07E-08	3.21E-08	1.21E-07	3.59E-08	2.27E-08	3.21E-08	9.07E-08	8.90E-09	4.04E-09	1.05E-08	2.34E-08	6.89E-09	2.25E-09	4.79E-09	1.39E-08
75	565482.5	4222568	7.12E-08	1.93E-08	3.37E-08	1.24E-07	3.77E-08	2.11E-08	3.37E-08	9.26E-08	9.35E-09	3.77E-09	1.10E-08	2.42E-08	7.24E-09	2.10E-09	5.03E-09	1.44E-08
76	565472.5	4222578	5.86E-08	1.79E-08	2.78E-08	1.04E-07	3.11E-08	1.96E-08	2.78E-08	7.85E-08	7.70E-09	3.50E-09	9.09E-09	2.03E-08	5.96E-09	1.95E-09	4.15E-09	1.21E-08
77	565482.4	4222578	6.17E-08	1.88E-08	2.92E-08	1.10E-07	3.27E-08	2.06E-08	2.92E-08	8.26E-08	8.10E-09	3.68E-09	9.56E-09	2.13E-08	6.27E-09	2.05E-09	4.36E-09	1.27E-08
78	565482.3	4222588	5.39E-08	2.03E-08	2.55E-08	9.97E-08	2.86E-08	2.23E-08	2.55E-08	7.64E-08	7.08E-09	3.97E-09	8.35E-09	1.94E-08	5.48E-09	2.21E-09	3.81E-09	1.15E-08
79	565482.2	4222597	4.74E-08	2.22E-08	2.25E-08	9.20E-08	2.51E-08	2.43E-08	2.25E-08	7.19E-08	6.23E-09	4.33E-09	7.35E-09	1.79E-08	4.82E-09	2.41E-09	3.35E-09	1.06E-08
80	565532.8	4222462	2.90E-07	2.39E-08	1.37E-07	4.51E-07	1.54E-07	2.62E-08	1.37E-07	3.17E-07	3.81E-08	4.68E-09	4.50E-08	8.77E-08	2.95E-08	2.60E-09	2.05E-08	5.26E-08
81	565532.6	4222452	3.12E-07	2.57E-08	1.48E-07	4.85E-07	1.65E-07	2.82E-08	1.48E-07	3.41E-07	4.09E-08	5.02E-09	4.83E-08	9.43E-08	3.17E-08	2.80E-09	2.20E-08	5.65E-08
82	565532.1	4222442	3.37E-07	2.71E-08	1.59E-07	5.23E-07	1.78E-07	2.97E-08	1.59E-07	3.68E-07	4.42E-08	5.30E-09	5.22E-08	1.02E-07	3.42E-08	2.95E-09	2.38E-08	6.10E-08
83	565531.7	4222432	3.63E-07	2.78E-08	1.72E-07	5.63E-07	1.92E-07	3.05E-08	1.72E-07	3.95E-07	4.77E-08	5.43E-09	5.63E-08	1.09E-07	3.69E-08	3.02E-09	2.57E-08	6.56E-08
84	565531.2	4222423	3.93E-07	2.62E-08	1.86E-07	6.06E-07	2.08E-07	2.87E-08	1.86E-07	4.23E-07	5.16E-08	5.12E-09	6.10E-08	1.18E-07	4.00E-08	2.85E-09	2.78E-08	7.06E-08
85	565530.9	4222409	4.37E-07	2.52E-08	2.07E-07	6.69E-07	2.32E-07	2.77E-08	2.07E-07	4.66E-07	5.74E-08	4.93E-09	6.77E-08	1.30E-07	4.44E-08	2.75E-09	3.09E-08	7.80E-08
86	565530.9	4222400	4.63E-07	2.37E-08	2.19E-07	7.06E-07	2.45E-07	2.60E-08	2.19E-07	4.91E-07	6.08E-08	4.63E-09	7.18E-08	1.37E-07	4.70E-08	2.58E-09	3.27E-08	8.24E-08
87	565532.1	4222389	4.79E-07	2.23E-08	2.27E-07	7.29E-07	2.54E-07	2.45E-08	2.27E-07	5.06E-07	6.29E-08	4.37E-09	7.43E-08	1.42E-07	4.87E-08	2.43E-09	3.39E-08	8.50E-08
88	565532.5	4222379	4.92E-07	2.13E-08	2.33E-07	7.46E-07	2.61E-07	2.34E-08	2.33E-07	5.17E-07	6.46E-08	4.17E-09	7.62E-08	1.45E-07	5.00E-08	2.32E-09	3.48E-08	8.71E-08
89	565532.5	4222368	5.04E-07	2.22E-08	2.39E-07	7.65E-07	2.67E-07	2.44E-08	2.39E-07	5.30E-07	6.62E-08	4.34E-09	7.81E-08	1.49E-07	5.12E-08	2.42E-09	3.56E-08	8.92E-08
90	565532.5	4222358	5.10E-07	2.42E-08	2.42E-07	7.75E-07	2.70E-07	2.65E-08	2.42E-07	5.38E-07	6.70E-08	4.72E-09	7.90E-08	1.51E-07	5.18E-08	2.63E-09	3.61E-08	9.05E-08
91	565532.4	4222348	5.12E-07	2.46E-08	2.42E-07	7.79E-07	2.71E-07	2.70E-08	2.42E-07	5.41E-07	6.72E-08	4.81E-09	7.93E-08	1.51E-07	5.20E-08	2.68E-09	3.62E-08	9.09E-08
92	565532.4	4222338	5.10E-07	4.51E-09	2.41E-07	7.55E-07	2.70E-07	4.95E-09	2.41E-07	5.17E-07	6.69E-08	8.82E-10	7.90E-08	1.47E-07	5.18E-08	4.91E-10	3.60E-08	8.83E-08
93	565532.4	4222328	5.04E-07	4.62E-09	2.39E-07	7.47E-07	2.67E-07	5.07E-09	2.39E-07	5.11E-07	6.61E-08	9.03E-10	7.81E-08	1.45E-07	5.12E-08	5.03E-10	3.56E-08	8.73E-08
94	565532.3	4222318	4.94E-07	4.47E-09	2.34E-07	7.33E-07	2.62E-07	4.90E-09	2.34E-07	5.01E-07	6.49E-08	8.74E-10	7.66E-08	1.42E-07	5.02E-08	4.87E-10	3.49E-08	8.56E-08
95	565532.3	4222309	4.81E-07	4.34E-09	2.28E-07	7.13E-07	2.55E-07	4.76E-09	2.28E-07	4.87E-07	6.31E-08	8.48E-10	7.45E-08	1.38E-07	4.88E-08	4.72E-10	3.40E-08	8.33E-08
96	565532.2	4222299	4.63E-07	4.28E-09	2.19E-07	6.87E-07	2.45E-07	4.69E-09	2.19E-07	4.70E-07	6.08E-08	8.35E-10	7.18E-08	1.33E-07	4.71E-08	4.65E-10	3.27E-08	8.03E-08
97	565542.4	4222368	4.35E-07	4.04E-09	2.06E-07	6.45E-07	2.31E-07	4.42E-09	2.06E-07	4.41E-07	5.72E-08	7.88E-10	6.75E-08	1.25E-07	4.42E-08	4.39E-10	3.08E-08	7.55E-08
98	565542.3	4222358	4.40E-07	4.09E-09	2.08E-07	6.52E-07	2.33E-07	4.49E-09	2.08E-07	4.46E-07	5.77E-08	7.99E-10	6.81E-08	1.27E-07	4.47E-08	4.45E-10	3.11E-08	7.62E-08
99	565542.3	4222348	4.40E-07	4.18E-09	2.09E-07	6.53E-07	2.33E-07	4.58E-09	2.09E-07	4.47E-07	5.78E-08	8.17E-10	6.83E-08	1.27E-07	4.47E-08	4.55E-10	3.11E-08	7.63E-08
100	565542.2	4222338	4.38E-07	1.26E-09	2.07E-07	6.46E-07	2.32E-07	1.38E-09	2.07E-07	4.41E-07	5.75E-08	2.45E-10	6.79E-08	1.26E-07	4.45E-08	1.37E-10	3.10E-08	7.56E-08
101	565542.2	4222328	4.32E-07	1.29E-09	2.05E-07	6.38E-07	2.29E-07	1.42E-09	2.05E-07	4.35E-07	5.67E-08	2.52E-10	6.69E-08	1.24E-07	4.39E-08	1.41E-10	3.05E-08	7.46E-08
102	565542.2	4222318	4.23E-07	1.35E-09	2.00E-07	6.24E-07	2.24E-07	1.48E-09	2.00E-07	4.26E-07	5.55E-08	2.64E-10	6.55E-08	1.21E-07	4.29E-08	1.47E-10	2.99E-08	7.30E-08
103	565542.1	4222309	4.10E-07	1.41E-09	1.94E-07	6.06E-07	2.17E-07	1.55E-09	1.94E-07	4.13E-07	5.39E-08	2.76E-10	6.36E-08	1.18E-07	4.17E-08	1.54E-10	2.90E-08	7.08E-08
104	565542.1	4222299	3.94E-07	1.40E-09	1.87E-07	5.82E-07	2.09E-07	1.54E-09	1.87E-07	3.97E-07	5.17E-08	2.74E-10	6.11E-08	1.13E-07	4.00E-08	1.52E-10	2.79E-08	6.81E-08
105	565532.2	4222289	4.42E-07	1.33E-09	2.09E-07	6.53E-07	2.34E-07	1.46E-09	2.09E-07	4.45E-07	5.80E-08	2.60E-10	6.85E-08	1.27E-07	4.49E-08	1.45E-10	3.13E-08	7.63E-08
106	565532.2	4222280	4.16E-07	3.71E-09	1.97E-07	6.17E-07	2.21E-07	4.07E-09	1.97E-07	4.22E-07	5.47E-08	7.25E-10	6.45E-08	1.20E-07	4.23E-08	4.04E-10	2.94E-08	7.21E-08
107	565532.2	4222270	3.85E-07	2.20E-09	1.83E-07	5.70E-07	2.04E-07	2.41E-09	1.83E-07	3.89E-07	5.06E-08	4.30E-10	5.98E-08	1.11E-07	3.92E-08	2.39E-10	2.73E-08	6.67E-08
108	565532.1	4222261	3.50E-07	2.17E-09	1.66E-07	5.18E-07	1.85E-07	2.38E-09	1.66E-07	3.54E-07	4.59E-08	4.23E-10	5.42E-08	1.01E-07	3.56E-08	2.36E-10	2.47E-08	6.05E-08
109	565532.1	4222252	3.10E-07	2.25E-09	1.47E-07	4.60E-07	1.65E-07	2.46E-09	1.47E-07	3.14E-07	4.08E-08	4.39E-10	4.81E-08	8.93E-08	3.15E-08	2.44E-10	2.19E-08	5.37E-08

110	565532.1	4222242	2.70E-07	2.28E-09	1.28E-07	4.00E-07	1.43E-07	2.50E-09	1.28E-07	2.74E-07	3.55E-08	4.46E-10	4.19E-08	7.78E-08	2.74E-08	2.48E-10	1.91E-08	4.68E-08
111	565532.1	4222233	2.33E-07	8.54E-10	1.10E-07	3.44E-07	1.23E-07	9.36E-10	1.10E-07	2.35E-07	3.06E-08	1.67E-10	3.61E-08	6.68E-08	2.37E-08	9.29E-11	1.65E-08	4.02E-08
112	565542.1	4222289	3.75E-07	8.86E-10	1.78E-07	5.54E-07	1.99E-07	9.72E-10	1.78E-07	3.78E-07	4.93E-08	1.73E-10	5.82E-08	1.08E-07	3.81E-08	9.64E-11	2.65E-08	6.48E-08
113	565542	4222280	3.53E-07	8.72E-10	1.67E-07	5.21E-07	1.87E-07	9.56E-10	1.67E-07	3.55E-07	4.64E-08	1.70E-10	5.47E-08	1.01E-07	3.59E-08	9.49E-11	2.50E-08	6.09E-08
114	565542	4222270	3.27E-07	8.60E-10	1.55E-07	4.83E-07	1.74E-07	9.42E-10	1.55E-07	3.30E-07	4.30E-08	1.68E-10	5.08E-08	9.39E-08	3.33E-08	9.35E-11	2.32E-08	5.65E-08
115	565542	4222261	2.99E-07	8.32E-10	1.42E-07	4.41E-07	1.59E-07	9.12E-10	1.42E-07	3.01E-07	3.93E-08	1.62E-10	4.64E-08	8.58E-08	3.04E-08	9.05E-11	2.11E-08	5.16E-08
116	565542	4222252	2.69E-07	8.49E-10	1.27E-07	3.97E-07	1.43E-07	9.31E-10	1.27E-07	2.71E-07	3.53E-08	1.66E-10	4.17E-08	7.72E-08	2.73E-08	9.24E-11	1.90E-08	4.64E-08
117	565541.9	4222242	2.388E-07	7.90E-10	1.13E-07	3.53E-07	1.27E-07	8.66E-10	1.13E-07	2.41E-07	3.14E-08	1.54E-10	3.70E-08	6.85E-08	2.43E-08	8.59E-11	1.69E-08	4.12E-08
118	565541.9	4222233	2.107E-07	8.02E-10	9.98E-08	3.11E-07	1.12E-07	8.79E-10	9.98E-08	2.12E-07	2.77E-08	1.57E-10	3.27E-08	6.05E-08	2.14E-08	8.72E-11	1.49E-08	3.64E-08
119	565551.8	4222252	2.378E-07	8.16E-10	1.13E-07	3.51E-07	1.26E-07	8.95E-10	1.13E-07	2.40E-07	3.12E-08	1.59E-10	3.69E-08	6.83E-08	2.42E-08	8.88E-11	1.68E-08	4.11E-08
120	565551.8	4222242	2.144E-07	1.01E-09	1.02E-07	3.17E-07	1.14E-07	1.11E-09	1.02E-07	2.16E-07	2.82E-08	1.97E-10	3.32E-08	6.16E-08	2.18E-08	1.10E-10	1.52E-08	3.71E-08
121	565551.8	4222233	1.923E-07	1.00E-09	9.11E-08	2.84E-07	1.02E-07	1.10E-09	9.11E-08	1.94E-07	2.52E-08	1.96E-10	2.98E-08	5.52E-08	1.95E-08	1.09E-10	1.36E-08	3.32E-08
122	565502.5	4222223	2.475E-07	1.00E-09	1.17E-07	3.66E-07	1.31E-07	1.10E-09	1.17E-07	2.50E-07	3.25E-08	1.96E-10	3.84E-08	7.11E-08	2.52E-08	1.09E-10	1.75E-08	4.28E-08
123	565492.6	4222223	2.613E-07	1.00E-09	1.24E-07	3.86E-07	1.39E-07	1.10E-09	1.24E-07	2.63E-07	3.43E-08	1.96E-10	4.05E-08	7.50E-08	2.66E-08	1.09E-10	1.85E-08	4.51E-08
124	565482.7	4222223	2.742E-07	1.00E-09	1.30E-07	4.05E-07	1.45E-07	1.10E-09	1.30E-07	2.76E-07	3.60E-08	1.96E-10	4.25E-08	7.87E-08	2.79E-08	1.09E-10	1.94E-08	4.74E-08
125	565472.8	4222223	2.844E-07	1.00E-09	1.35E-07	4.20E-07	1.51E-07	1.10E-09	1.35E-07	2.87E-07	3.73E-08	1.96E-10	4.41E-08	8.16E-08	2.89E-08	1.09E-10	2.01E-08	4.91E-08
126	565462.9	4222223	2.913E-07	1.00E-09	1.38E-07	4.30E-07	1.54E-07	1.10E-09	1.38E-07	2.94E-07	3.83E-08	1.96E-10	4.52E-08	8.36E-08	2.96E-08	1.09E-10	2.06E-08	5.03E-08
127	565453	4222223	2.955E-07	1.00E-09	1.40E-07	4.36E-07	1.57E-07	1.10E-09	1.40E-07	2.98E-07	3.88E-08	1.96E-10	4.58E-08	8.48E-08	3.00E-08	1.09E-10	2.09E-08	5.10E-08
128	565443.1	4222223	2.977E-07	1.00E-09	1.41E-07	4.40E-07	1.58E-07	1.10E-09	1.41E-07	3.00E-07	3.91E-08	1.96E-10	4.62E-08	8.54E-08	3.03E-08	1.09E-10	2.11E-08	5.14E-08
129	565433.2	4222223	2.988E-07	1.00E-09	1.42E-07	4.41E-07	1.58E-07	1.10E-09	1.42E-07	3.01E-07	3.92E-08	1.96E-10	4.63E-08	8.58E-08	3.04E-08	1.09E-10	2.11E-08	5.16E-08
130	565423.3	4222223	2.994E-07	1.00E-09	1.42E-07	4.42E-07	1.59E-07	1.10E-09	1.42E-07	3.02E-07	3.93E-08	1.96E-10	4.64E-08	8.59E-08	3.04E-08	1.09E-10	2.12E-08	5.17E-08
131	565413.4	4222223	2.994E-07	1.00E-09	1.42E-07	4.42E-07	1.59E-07	1.10E-09	1.42E-07	3.02E-07	3.93E-08	1.96E-10	4.64E-08	8.59E-08	3.04E-08	1.09E-10	2.12E-08	5.17E-08
132	565403.5	4222223	2.986E-07	1.00E-09	1.41E-07	4.41E-07	1.58E-07	1.10E-09	1.41E-07	3.01E-07	3.92E-08	1.96E-10	4.63E-08	8.57E-08	3.03E-08	1.09E-10	2.11E-08	5.16E-08
133	565393.6	4222223	2.957E-07	1.00E-09	1.40E-07	4.37E-07	1.57E-07	1.10E-09	1.40E-07	2.98E-07	3.88E-08	1.96E-10	4.58E-08	8.49E-08	3.01E-08	1.09E-10	2.09E-08	5.11E-08
134	565492.6	4222213	2.071E-07	1.00E-09	9.81E-08	3.06E-07	1.10E-07	1.10E-09	9.81E-08	2.09E-07	2.72E-08	1.96E-10	3.21E-08	5.95E-08	2.10E-08	1.09E-10	1.46E-08	3.58E-08
135	565482.7	4222213	2.142E-07	1.00E-09	1.01E-07	3.17E-07	1.14E-07	1.10E-09	1.01E-07	2.16E-07	2.81E-08	1.96E-10	3.32E-08	6.15E-08	2.18E-08	1.09E-10	1.51E-08	3.70E-08
136	565472.8	4222213	2.206E-07	1.00E-09	1.04E-07	3.26E-07	1.17E-07	1.10E-09	1.04E-07	2.23E-07	2.90E-08	1.96E-10	3.42E-08	6.34E-08	2.24E-08	1.09E-10	1.56E-08	3.81E-08
137	565462.9	4222213	2.261E-07	1.00E-09	1.07E-07	3.34E-07	1.20E-07	1.10E-09	1.07E-07	2.28E-07	2.97E-08	1.96E-10	3.50E-08	6.49E-08	2.30E-08	1.09E-10	1.60E-08	3.91E-08
138	565453	4222213	2.305E-07	1.00E-09	1.09E-07	3.41E-07	1.22E-07	1.10E-09	1.09E-07	2.32E-07	3.03E-08	1.96E-10	3.57E-08	6.62E-08	2.34E-08	1.09E-10	1.63E-08	3.98E-08
139	565443.1	4222213	2.336E-07	1.00E-09	1.11E-07	3.45E-07	1.24E-07	1.10E-09	1.11E-07	2.36E-07	3.07E-08	1.96E-10	3.62E-08	6.71E-08	2.37E-08	1.09E-10	1.65E-08	4.04E-08
140	565433.2	4222213	2.356E-07	1.00E-09	1.12E-07	3.48E-07	1.25E-07	1.10E-09	1.12E-07	2.38E-07	3.09E-08	1.96E-10	3.65E-08	6.77E-08	2.39E-08	1.09E-10	1.67E-08	4.07E-08
141	565423.3	4222213	2.366E-07	1.00E-09	1.12E-07	3.50E-07	1.25E-07	1.10E-09	1.12E-07	2.39E-07	3.11E-08	1.96E-10	3.67E-08	6.80E-08	2.40E-08	1.09E-10	1.67E-08	4.09E-08
142	565413.4	4222213	2.369E-07	1.00E-09	1.12E-07	3.50E-07	1.26E-07	1.10E-09	1.12E-07	2.39E-07	3.11E-08	1.96E-10	3.67E-08	6.80E-08	2.41E-08	1.09E-10	1.68E-08	4.09E-08
143	565403.5	4222213	2.365E-07	1.00E-09	1.12E-07	3.50E-07	1.25E-07	1.10E-09	1.12E-07	2.39E-07	3.11E-08	1.96E-10	3.67E-08	6.79E-08	2.40E-08	1.09E-10	1.67E-08	4.09E-08
144	565393.6	4222213	2.346E-07	1.00E-09	1.11E-07	3.47E-07	1.24E-07	1.10E-09	1.11E-07	2.37E-07	3.08E-08	1.96E-10	3.64E-08	6.74E-08	2.38E-08	1.09E-10	1.66E-08	4.05E-08
145	565492.6	4222203	1.714E-07	1.00E-09	8.12E-08	2.54E-07	9.09E-08	1.10E-09	8.12E-08	1.73E-07	2.25E-08	1.96E-10	2.66E-08	4.93E-08	1.74E-08	1.09E-10	1.21E-08	2.97E-08
146	565482.7	4222203	1.756E-07	1.00E-09	8.32E-08	2.60E-07	9.31E-08	1.10E-09	8.32E-08	1.77E-07	2.31E-08	1.96E-10	2.72E-08	5.05E-08	1.78E-08	1.09E-10	1.24E-08	3.04E-08
147	565472.8	4222203	1.795E-07	1.00E-09	8.51E-08	2.66E-07	9.52E-08	1.10E-09	8.51E-08	1.81E-07	2.36E-08	1.96E-10	2.78E-08	5.16E-08	1.82E-08	1.09E-10	1.27E-08	3.11E-08
148	565462.9	4222203	1.833E-07	1.00E-09	8.68E-08	2.71E-07	9.72E-08	1.10E-09	8.68E-08	1.85E-07	2.41E-08	1.96E-10	2.84E-08	5.27E-08	1.86E-08	1.09E-10	1.30E-08	3.17E-08
149	565453	4222203	1.865E-07	1.00E-09	8.84E-08	2.76E-07	9.89E-08	1.10E-09	8.84E-08	1.88E-07	2.45E-08	1.96E-10	2.89E-08	5.36E-08	1.90E-08	1.09E-10	1.32E-08	3.23E-08
150	565443.1	4222204	1.891E-07	1.00E-09	8.96E-08	2.80E-07	1.00E-07	1.10E-09	8.96E-08	1.91E-07	2.48E-08	1.96E-10	2.93E-08	5.44E-08	1.92E-08	1.09E-10	1.34E-08	3.27E-08
151	565433.2	4222204	1.91E-07	1.00E-09	9.05E-08	2.82E-07	1.01E-07	1.10E-09	9.05E-08	1.93E-07	2.51E-08	1.96E-10	2.96E-08	5.49E-08	1.94E-08	1.09E-10	1.35E-08	3.30E-08
152	565423.3	4222204	1.921E-07	1.00E-09	9.10E-08	2.84E-07	1.02E-07	1.10E-09	9.10E-08	1.94E-07	2.52E-08	1.96E-10	2.98E-08	5.52E-08	1.95E-08	1.09E-10	1.36E-08	3.32E-08
153	565413.4	4222204	1.925E-07	1.00E-09	9.12E-08	2.85E-07	1.02E-07	1.10E-09	9.12E-08	1.94E-07	2.53E-08	1.96E-10	2.98E-08	5.53E-08	1.96E-08	1.09E-10	1.36E-08	3.33E-08
154	565403.4	4222204	1.923E-07	1.00E-09	9.11E-08	2.84E-07	1.02E-07	1.10E-09	9.11E-08	1.94E-07	2.53E-08	1.96E-10	2.98E-08	5.53E-08	1.95E-08	1.09E-10	1.36E-08	3.33E-08
155	565393.5	4222204	1.911E-07	1.00E-09	9.05E-08	2.83E-07	1.01E-07	1.10E-09	9.05E-08	1.93E-07	2.51E-08	1.96E-10	2.96E-08	5.49E-08	1.94E-08	1.09E-10	1.35E-08	3.30E-08
156	565533.2	4222212	1.677E-07	1.00E-09	7.94E-08	2.48E-07	8.89E-08	1.10E-09	7.94E-08	1.69E-07	2.20E-08	1.96E-10	2.60E-08	4.82E-08	1.70E-08	1.09E-10	1.19E-08	2.90E-08
157	565492.6	4222194	1.454E-07	1.00E-09	6.89E-08	2.15E-07	7.71E-08	1.10E-09	6.89E-08	1.47E-07	1.91E-08	1.96E-10	2.25E-08	4.18E-08	1.48E-08	1.09E-10	1.03E-08	2.52E-08
158	565482.7	4222194	1.481E-07	1.00E-09	7.02E-08	2.19E-07	7.85E-08	1.10E-09	7.02E-08	1.50E-07	1.94E-08	1.96E-10	2.30E-08	4.26E-08	1.50E-08	1.09E-10	1.05E-08	2.56E-08
159	565472.8	4222194	1.506E-07	1.00E-09	7.14E-08	2.23E-07	7.98E-08	1.10E-09	7.14E-08	1.52E-07	1.98E-08	1.96E-10	2.33E-08	4.33E-08	1.53E-08	1.09E-10	1.07E-08	2.61E-08
160	565462.9	4222194	1.53E-07	1.00E-09	7.25E-08	2.27E-07	8.11E-08	1.10E-09	7.25E-08	1.55E-07	2.01E-08	1.96E-10	2.37E-08	4.40E-08	1.56E-08	1.09E-10	1.08E-08	2.65E-08
161	565453	4222194	1.552E-07	1.00E-09	7.35E-08	2.30E-07	8.23E-08	1.10E-09	7.35E-08	1.57E-07	2.04E-08	1.96E-10	2.41E-08	4.46E-08	1.58E-08	1.09E-10	1.10E-08	2.69E-08
162	565443	4222194	1.571E-07	1.00E-09	7.44E-08	2.33E-07	8.33E-08	1.10E-09	7.44E-08	1.59E-07	2.06E-08	1.96E-10	2.44E-08	4.52E-08	1.60E-08	1.09E-10	1.11E-08	2.72E-08
163	565433.1	4222194	1.585E-07	1.00E-09	7.51E-08	2.35E-07	8.40E-08	1.10E-09	7.51E-08	1.60E-07	2.08E-08	1.96E-10	2.46E-08	4.56E-08	1.61E-08	1.09E-10	1.12E-08	2.74E-08
164	565423.2	4222194	1.594E-07	1.00E-09	7.55E-08	2.36E-07	8.45E-08	1.10E-09	7.55E-08	1.61E-07	2.09E-08	1.96E-10	2.47E-08	4.58E-08	1.62E-08	1.09E-10	1.13E-08	2.76E-08
165	565413.3	4222194	1.598E-07	1.00E-09	7.57E-08	2.36E-07	8.47E-08	1.10E-09	7.57E-08	1.62E-07	2.10E-08	1.96E-10	2.48E-08	4.59E-08	1.62E-08	1.09E-10	1.13E-08	2.76E-08
166	565403.4	4222194	1.597E-07	1.00E-09	7.57E-08	2.36E-07	8.47E-08	1.10E-09	7.57E-08	1.61E-07	2.10E-08	1.96E-10	2.48E-08	4.59E-08	1.62E-08	1.09E-10	1.13E-08	2.76E-08
167	565393.5	4222194	1.589E-07	1.00E-09	7.53E-08	2.35E-07	8.42E-08	1.10E-09	7.53E-08	1.61E-07	2.09E-08	1.96E-10	2.46E-08	4.57E-08	1.61E-08	1.09E-10	1.12E-08	2.75E-08
168	565540.9	4222207	1.496E-07	1.00E-09	7.09E-08	2.21E-07	7.93E-08	1.10E-09	7.09E-08	1.51E-07	1.96E-08	1.96E-10	2.32E-08	4.30E-08	1.52E-08	1.09E-10	1.06E-08	2.59E-08
169	565544.5	4222215	1.639E-07	1.00E-09	7.76E-08	2.43E-07	8.69E-08	1.10E-09	7.76E-08	1.66E-07	2.15E-08	1.96E-10	2.54E-08	4.71E-08	1.67E-08	1.09E-10	1.16E-08	2.84E-08
170	565548.1	4222224	1.783E-07	1.00E-09	8.45E-08	2.64E-07	9.45E-08	1.10E-09	8.45E-08	1.80E-07	2.34E-08	1.96E-10	2.76E-08	5.12E-08	1.81E-08	1.09E-10	1.26E-08	3.08E-08
171	565502.5	4222184	1.236E-07	1.00E-09	5.86E-08	1.83E-07	6.55E-08	1.10E-09	5.86E-08	1.25E-07	1.62E-08	1.96E-10	1.92E-08	3.56E-08	1.26E-08	1.09E-10	8.74E-09	2.14E-08
172	565492.6	4222184	1.256E-07	1.00E-09	5.95E-08	1.86E-07	6.66E-08	1.10E-09	5.95E-08	1.27E-07	1.65E-08	1.96E-10	1.95E-08	3.62E-08	1.28E-08	1.09E-10	8.88E-09	2.18E-08
173	565482.6	4222184	1.273E-07	1.00E-09	6.03E-08	1.89E-07	6.75E-08	1.10E-09	6.03E-08	1.29E-07	1.67E-08	1.96E-10	1.97E-08	3.67E-08	1.29E-08	1.09E-10	9.00E-09	2.21E-08
174	565472.7	4222184	1.289E-07	1.00E-09	6.11E-08	1.91E-07	6.84E-08	1.10E-09	6.11E-08	1.31E-07	1.69E-08	1.96E-10	2.00E-08	3.71E-08	1.31E-08	1.09E-10	9.12E-09	2.23E-08
175	565462.8	4222184	1.305E-07	1.00E-09	6.18E-08	1.93E-07	6.92E-08	1.10E-09	6.18E-08	1.32E-07	1.71E-08	1.96E-10	2.02E-08	3.76E-08	1.33E-08	1.09E-10	9.23E-09	2.26E-08
176	565452.9	4222184	1.319E-07	1.00E-09	6.25E-08	1.95E-07	6.99E-08	1.10E-09	6.25E-08	1.34E-07	1.73E-08	1.96E-10	2.04E-08	3.80E-08	1.34E-08	1.09E-10	9.33E-09	2.28E-08
177	565443	4222184	1.331E-07	1.00E-09	6.31E-08	1.97E-07	7.06E-08	1.10E-09	6.31E-08	1.35E-07	1.75E-08	1.96E-10	2.06E-08	3.83E-08	1.35E-08	1.09E-10	9.41E-09	2.30E-08
178	565433.1	4222184	1.34E-07	1.00E-09	6.35E-08	1.99E-07	7.11E-08	1.10E-09	6.35E-08	1.36E-07	1.76E-08	1.96E-10	2.08E-08	3.86E-08	1.36E-08	1.09E-10	9.48E-09	2.32E-08
179	565423.2	4222184	1.347E-07	1.00E-09	6.38E-08	1.99E-07	7.14E-08	1.10E-09	6.38E-08	1.36E-07	1.77E-08	1.96E-10	2.09E-08	3.88E-08	1.37E-08	1.09E-10	9.52E-09	2.33E-08
180	565413.3	4222184	1.349E-07	1.00E-09	6.39E-08	2.00E-07	7.15E-08	1.10E-09	6.39E-08	1.37E-07	1.77E-08	1.96E-10	2.09E-08	3.88E-08	1.37E-08	1.09E-10	9.54E-09	2.34E-08
181	565403.4	4222184	1.349E-07	1.00E-09	6.39E-08	2.00E-07	7.15E-08	1.10E-09	6.39E-08	1.37E-07	1.77E-08	1.96E-10	2.09E-08	3.88E-08	1.37E-08	1.09E-10	9.54E-09	2.34E-08
182	565393.5	4222184	1.343E-07	1.00E-09	6.36E-08	1.99E-07	7.12E-08	1.10E-09	6.36E-08	1.36E-07	1.76E-08	1.96E-10	2.08E-08	3.87E-08	1.37E-08	1.09E-10	9.50E-09	2.33E-08
183	565535.9	4222188	1.2E-07	1.00E-09	5.68E-08	1.78E-07	6.36E-08	1.10E-09	5.68E-08	1.22E-07	1.58E-08	1.96E-10	1.86E-08	3.46E-08	1.22E-08	1.09E-10	8.49E-09	2.08E-08
184	565547.7	4222199	1.322E-07	1.00E-09	6.26E-08	1.96E-07	7.01E-08	1.10E-09	6.26E-08	1.34E-07	1.74E-08	1.96E-10	2.05E-08	3.80E-08	1.34E-08	1.09E-10	9.35E-09	2.29E-08
185	565554.6	4222216	1.547E-07	1.00E-09	7.33E-08	2.29E-07	8.20E-08	1.10E-09	7.33E-08	1.56E-07	2.03E-08	1.96E-10	2.40E-08	4.45E-08	1.57E-08	1.09E-10	1.09E-08	2.68E-08
186	565502.4	4222174	1.085E-07	1.00E-09	5.14E-08	1.61E-07	5.75E-08	1.10E-09	5.14E-08	1.10E-07	1.43E-08	1.96E-10	1.68E-08	3.13E-08	1.10E-08	1.09E-10	7.68E-09	1.88E-08
187	565492.5	4222174	1.099E-07	1.00E-09	5.20E-08	1.63E-07	5.82E-08	1.10E-09	5.20E-08	1.11E-07	1.44E-08	1.96E-10	1.70E-08	3.17E-08	1.12E-08	1.09E-10	7.77E-09	1.90E-08
188	565482.6	4222174	1.11E-07	1.00E-09	5.26E-08	1.65E-07	5.89E-08	1.10E-09	5.26E-08	1.13E-07	1.46E-08	1.96E-10	1.72E-08	3.20E-08	1.13E-08	1.09E-10	7.85E-09	1.92E-08
189	565472.7	4222174	1.121E-07	1.00E-09	5.31E-08	1.66E-07	5.94E-08	1.10E-09	5.31E-08	1.14E-07	1.47E-08	1.96E-10	1.74E-08	3.23E-08	1.14E-08	1.09E-10	7.92E-09	1.94E-08
190	565462.8	4222174	1.13E-07	1.00E-09	5.35E-08	1.68E-07	5.99E-08	1.10E-09	5.35E-08	1.15E-07	1.48E-08	1.96E-10	1.75E-08	3.26E-08	1.15E-08	1.09E-10	7.99E-09	1.96E-08
191	565452.9	4222174	1.139E-07	1.00E-09	5.39E-08	1.69E-07	6.04E-08	1.10E-09	5.39E-08	1.15E-07	1.50E-08	1.96E-10	1.77E-08	3.28E-08	1.16E-08	1.09E-10	8.05E-09	1.97E-08
192	565443	4222174	1.146E-07	1.00E-09	5.43E-08	1.70E-07	6.08E-08	1.10E-09	5.43E-08	1.16E-07	1.50E-08	1.96E-10	1.78E-08	3.30E-08	1.16E-08	1.09E-10	8.10E-09	1.99E-08
193	565433.1	4222174	1.152E-07	1.00E-09	5.46E-08	1.71E-07	6.11E-08	1.10E-09	5.46E-08	1.17E-07	1.51E-08	1.96E-10	1.79E-08	3.32E-08	1.17E-08	1.09E-10	8.14E-09	2.00E-08
194	565423.2	4222174	1.155E-07	1.00E-09	5.47E-08	1.71E-07	6.13E-08	1.10E-09	5.47E-08	1.17E-07	1.52E-08	1.96E-10	1.79E-08	3.33E-08	1.17E-08	1.09E-10	8.17E-09	2.00E-08
195	565413.3	4222174	1.157E-07	1.00E-09	5.48E-08	1.72E-07	6.13E-08	1.10E-09	5.48E-08	1.17E-07	1.52E-08	1.96E-10	1.79E-08	3.33E-08	1.18E-08	1.09E-10	8.18E-09	2.00E-08
196	565403.4	4222174	1.156E-07	1.00E-09	5.48E-08	1.71E-07	6.13E-08	1.10E-09	5.48E-08	1.17E-07	1.52E-08	1.96E-10	1.79E-08	3.33E-08	1.18E-08	1.09E-10	8.18E-09	2.00E-08
197	565393.5	4222174	1.152E-07	1.00E-09	5.46E-08	1.71E-07	6.11E-08	1.10E-09	5.46E-08	1.17E-07	1.51E-08	1.96E-10	1.79E-08	3.32E-08	1.17E-08	1.09E-10	8.15E-09	2.00E-08
198	565543	4222181	1.084E-07	1.00E-09	5.13E-08	1.61E-07	5.75E-08	1.10E-09	5.13E-08	1.10E-07	1.42E-08	1.96E-10	1.68E-08	3.12E-08	1.10E-08	1.09E-10	7.66E-09	1.88E-08
199	565554.5	4222192	1.182E-07	1.00E-09	5.60E-08	1.75E-07	6.27E-08	1.10E-09	5.60E-08	1.20E-07	1.55E-08	1.96E-10	1.83E-08	3.40E-08	1.20E-08	1.09E-10	8.36E-09	2.05E-08
200	565492.5	4222164	9.711E-08	1.00E-09	4.60E-08	1.44E-07	5.15E-08	1.10E-09	4.60E-08	9.86E-08	1.28E-08	1.96E-10	1.51E-08	2.80E-08	9.87E-09	1.09E-10	6.87E-09	1.68E-08
201	565482.6	4222164	9.786E-08	1.00E-09	4.64E-08	1.45E-07	5.19E-08	1.10E-09	4.64E-08	9.94E-08	1.29E-08	1.96E-10	1.52E-08	2.82E-08	9.95E-09	1.09E-10	6.92E-09	1.70E-08
202	565472.7	4222164	9.851E-08	1.00E-09	4.67E-08	1.46E-07	5.22E-08	1.10E-09	4.67E-08	1.00E-07	1.29E-08	1.96E-10	1.53E-08	2.84E-08	1.00E-08	1.09E-10	6.97E-09	1.71E-08
203	565462.8	4222164	9.909E-08	1.00E-09	4.69E-08	1.47E-07	5.25E-08	1.10E-09	4.69E-08	1.01E-07	1.30E-08	1.96E-10	1.54E-08	2.86E-08	1.01E-08	1.09E-10	7.01E-09	1.72E-08
204	565452.9	4222164	9.957E-08	1.00E-09	4.72E-08	1.48E-07	5.28E-08	1.10E-09	4.72E-08	1.01E-07	1.31E-08	1.96E-10	1.54E-08	2.87E-08	1.01E-08	1.09E-10	7.04E-09	1.73E-08
205	565443	4222164	9.997E-08	1.00E-09	4.74E-08	1.48E-07	5.30E-08	1.10E-09	4.74E-08	1.01E-07	1.31E-08	1.96E-10	1.55E-08	2.88E-08	1.02E-08	1.09E-10	7.07E-09	1.73E-08
206	565433.1	4222164	1.003E-07	1.00E-09	4.75E-08	1.49E-07	5.32E-08	1.10E-09	4.75E-08	1.02E-07	1.32E-08	1.96E-10	1.55E-08	2.89E-08	1.02E-08	1.09E-10	7.09E-09	1.74E-08
207	565423.2	4222164	1.004E-07	1.00E-09	4.76E-08	1.49E-07	5.33E-08	1.10E-09	4.76E-08	1.02E-07	1.32E-08	1.96E-10	1.56E-08	2.90E-08	1.02E-08	1.09E-10	7.10E-09	1.74E-08
208	565413.3	4222164	1.005E-07	1.00E-09	4.76E-08	1.49E-07	5.33E-08	1.10E-09	4.76E-08	1.02E-07	1.32E-08	1.96E-10	1.56E-08	2.90E-08	1.02E-08	1.09E-10	7.11E-09	1.74E-08
209	565403.4	4222164	1.004E-07	1.00E-09	4.76E-08	1.49E-07	5.32E-08	1.10E-09	4.76E-08	1.02E-07	1.32E-08	1.96E-10	1.56E-08	2.89E-08	1.02E-08	1.09E-10	7.10E-09	1.74E-08
210	565393.5	4222164	1.001E-07	1.00E-09	4.74E-08	1.48E-07	5.31E-08	1.10E-09	4.74E-08	1.02E-07	1.31E-08	1.96E-10	1.55E-08	2.89E-08	1.02E-08	1.09E-10	7.08E-09	1.74E-08
211	565542.2	4222171	9.718E-08	1.00E-09	4.60E-08	1.44E-07	5.15E-08	1.10E-09	4.60E-08	9.87E-08	1.28E-08	1.96E-10	1.51E-08	2.80E-08	9.88E-09	1.09E-10	6.87E-09	1.69E-08
212	565492.5	4222154	8.657E-08	1.00E-09	4.10E-08	1.29E-07	4.59E-08	1.10E-09	4.10E-08	8.80E-08	1.14E-08	1.96E-10	1.34E-08	2.50E-08	8.80E-09	1.09E-10	6.12E-09	1.50E-08
213	565482.6	4222154	8.705E-08	1.00E-09	4.12E-08	1.29E-07	4.62E-08	1.10E-09	4.12E-08	8.85E-08	1.14E-08	1.96E-10	1.35E-08	2.51E-08	8.85E-09	1.09E-10	6.16E-09	1.51E-08
214	565472.7	4222154	8.745E-08	1.00E-09	4.14E-08	1.30E-07	4.64E-08	1.10E-09	4.14E-08	8.89E-08	1.15E-08	1.96E-10	1.36E-08	2.52E-08	8.89E-09	1.09E-10	6.18E-09	1.52E-08
215	565462.8	4222154	8.776E-08	1.00E-09	4.16E-08	1.30E-07	4.65E-08	1.10E-09	4.16E-08	8.92E-08	1.15E-08	1.96E-10	1.36E-08	2.53E-08	8.92E-09	1.09E-10	6.21E-09	1.52E-08
216	565452.9	4222154	8.8E-08	1.00E-09	4.17E-08	1.31E-07	4.67E-08	1.10E-09	4.17E-08	8.94E-08	1.16E-08	1.96E-10	1.36E-08	2.54E-08	8.94E-09	1.09E-10	6.22E-09	1.53E-08
217	565443	4222154	8.817E-08	1.00E-09	4.18E-08	1.31E-07	4.67E-08	1.10E-09	4.18E-08	8.96E-08	1.16E-08	1.96E-10	1.37E-08	2.54E-08	8.96E-09	1.09E-10	6.24E-09	1.53E-08
218	565433.1	4222154	8.828E-08	1.00E-09	4.18E-08	1.31E-07	4.68E-08	1.10E-09	4.18E-08	8.97E-08	1.16E-08	1.96E-10	1.37E-08	2.55E-08	8.97E-09	1.09E-10	6.24E-09	1.53E-08
219	565423.2	4222154	8.833E-08	1.00E-09	4.18E-08	1.31E-07	4.68E-08	1.10E-09	4.18E-08	8.98E-08	1.16E-08	1.96E-10	1.37E-08	2.55E-08	8.98E-09	1.09E-10	6.25E-09	1.53E-08
220	565413.2	4222154	8.829E-08	1.00E-09	4.18E-08	1.31E-07	4.68E-08	1.10E-09	4.18E-08	8.97E-08	1.16E-08	1.96E-10	1.37E-08	2.55E-08	8.97E-09	1.09E-10	6.24E-09	1.53E-08
221	565403.3	4222154	8.817E-08	1.00E-09	4.18E-08	1.31E-07	4.67E-08	1.10E-09	4.18E-08	8.96E-08	1.16E-08	1.96E-10	1.37E-08	2.54E-08	8.96E-09	1.09E-10	6.24E-09	1.53E-08

222	565393.4	4222154	8.788E-08	1.00E-09	4.16E-08	1.31E-07	4.66E-08	1.10E-09	4.16E-08	8.93E-08	1.15E-08	1.96E-10	1.36E-08	2.54E-08	8.93E-09	1.09E-10	6.21E-09	1.53E-08
223	565538.2	4222159	8.679E-08	1.00E-09	4.11E-08	1.29E-07	4.60E-08	1.10E-09	4.11E-08	8.82E-08	1.14E-08	1.96E-10	1.35E-08	2.50E-08	8.82E-09	1.09E-10	6.14E-09	1.51E-08
224	565556.1	4222166	9.005E-08	1.00E-09	4.27E-08	1.34E-07	4.77E-08	1.10E-09	4.27E-08	9.15E-08	1.18E-08	1.96E-10	1.40E-08	2.60E-08	9.15E-09	1.09E-10	6.37E-09	1.56E-08
225	565502.4	4222144	7.735E-08	1.00E-09	3.66E-08	1.15E-07	4.10E-08	1.10E-09	3.66E-08	7.88E-08	1.02E-08	1.96E-10	1.20E-08	2.23E-08	7.86E-09	1.09E-10	5.47E-09	1.34E-08
226	565492.5	4222144	7.774E-08	1.00E-09	3.68E-08	1.16E-07	4.12E-08	1.10E-09	3.68E-08	7.91E-08	1.02E-08	1.96E-10	1.21E-08	2.25E-08	7.90E-09	1.09E-10	5.50E-09	1.35E-08
227	565482.6	4222144	7.804E-08	1.00E-09	3.70E-08	1.16E-07	4.14E-08	1.10E-09	3.70E-08	7.94E-08	1.02E-08	1.96E-10	1.21E-08	2.25E-08	7.93E-09	1.09E-10	5.52E-09	1.36E-08
228	565472.7	4222144	7.824E-08	1.00E-09	3.71E-08	1.16E-07	4.15E-08	1.10E-09	3.71E-08	7.97E-08	1.03E-08	1.96E-10	1.21E-08	2.26E-08	7.95E-09	1.09E-10	5.53E-09	1.36E-08
229	565462.7	4222144	7.838E-08	1.00E-09	3.71E-08	1.17E-07	4.16E-08	1.10E-09	3.71E-08	7.98E-08	1.03E-08	1.96E-10	1.22E-08	2.26E-08	7.97E-09	1.09E-10	5.54E-09	1.36E-08
230	565452.8	4222144	7.846E-08	1.00E-09	3.72E-08	1.17E-07	4.16E-08	1.10E-09	3.72E-08	7.99E-08	1.03E-08	1.96E-10	1.22E-08	2.27E-08	7.97E-09	1.09E-10	5.55E-09	1.36E-08
231	565442.9	4222144	7.849E-08	1.00E-09	3.72E-08	1.17E-07	4.16E-08	1.10E-09	3.72E-08	7.99E-08	1.03E-08	1.96E-10	1.22E-08	2.27E-08	7.98E-09	1.09E-10	5.55E-09	1.36E-08
232	565433	4222144	7.848E-08	1.00E-09	3.72E-08	1.17E-07	4.16E-08	1.10E-09	3.72E-08	7.99E-08	1.03E-08	1.96E-10	1.22E-08	2.27E-08	7.98E-09	1.09E-10	5.55E-09	1.36E-08
233	565423.1	4222145	7.843E-08	1.00E-09	3.72E-08	1.17E-07	4.16E-08	1.10E-09	3.72E-08	7.98E-08	1.03E-08	1.96E-10	1.22E-08	2.27E-08	7.97E-09	1.09E-10	5.55E-09	1.36E-08
234	565413.2	4222145	7.833E-08	1.00E-09	3.71E-08	1.16E-07	4.15E-08	1.10E-09	3.71E-08	7.97E-08	1.03E-08	1.96E-10	1.21E-08	2.26E-08	7.96E-09	1.09E-10	5.54E-09	1.36E-08
235	565403.3	4222145	7.819E-08	1.00E-09	3.70E-08	1.16E-07	4.15E-08	1.10E-09	3.70E-08	7.96E-08	1.03E-08	1.96E-10	1.21E-08	2.26E-08	7.95E-09	1.09E-10	5.53E-09	1.36E-08
236	565393.4	4222145	7.793E-08	1.00E-09	3.69E-08	1.16E-07	4.13E-08	1.10E-09	3.69E-08	7.93E-08	1.02E-08	1.96E-10	1.21E-08	2.25E-08	7.92E-09	1.09E-10	5.51E-09	1.35E-08
237	565537.2	4222149	7.837E-08	1.00E-09	3.71E-08	1.17E-07	4.16E-08	1.10E-09	3.71E-08	7.98E-08	1.03E-08	1.96E-10	1.21E-08	2.26E-08	7.96E-09	1.09E-10	5.54E-09	1.36E-08
238	565545.9	4222152	8.011E-08	1.00E-09	3.80E-08	1.19E-07	4.25E-08	1.10E-09	3.80E-08	8.15E-08	1.05E-08	1.96E-10	1.24E-08	2.31E-08	8.14E-09	1.09E-10	5.67E-09	1.39E-08
239	565554.6	4222156	8.161E-08	1.00E-09	3.87E-08	1.21E-07	4.33E-08	1.10E-09	3.87E-08	8.30E-08	1.07E-08	1.96E-10	1.27E-08	2.36E-08	8.29E-09	1.09E-10	5.77E-09	1.42E-08
240	565502.3	4222135	7.001E-08	1.00E-09	3.32E-08	1.04E-07	3.71E-08	1.10E-09	3.32E-08	7.14E-08	9.19E-09	1.96E-10	1.09E-08	2.02E-08	7.11E-09	1.09E-10	4.95E-09	1.22E-08
241	565492.4	4222135	7.025E-08	1.00E-09	3.33E-08	1.05E-07	3.72E-08	1.10E-09	3.33E-08	7.16E-08	9.23E-09	1.96E-10	1.09E-08	2.03E-08	7.14E-09	1.09E-10	4.97E-09	1.22E-08
242	565482.5	4222135	7.041E-08	1.00E-09	3.34E-08	1.05E-07	3.73E-08	1.10E-09	3.34E-08	7.18E-08	9.25E-09	1.96E-10	1.09E-08	2.04E-08	7.16E-09	1.09E-10	4.98E-09	1.22E-08
243	565472.6	4222135	7.049E-08	1.00E-09	3.34E-08	1.05E-07	3.74E-08	1.10E-09	3.34E-08	7.19E-08	9.26E-09	1.96E-10	1.09E-08	2.04E-08	7.16E-09	1.09E-10	4.99E-09	1.23E-08
244	565462.7	4222135	7.052E-08	1.00E-09	3.34E-08	1.05E-07	3.74E-08	1.10E-09	3.34E-08	7.19E-08	9.26E-09	1.96E-10	1.09E-08	2.04E-08	7.17E-09	1.09E-10	4.99E-09	1.23E-08
245	565452.8	4222135	7.05E-08	1.00E-09	3.34E-08	1.05E-07	3.74E-08	1.10E-09	3.34E-08	7.19E-08	9.26E-09	1.96E-10	1.09E-08	2.04E-08	7.16E-09	1.09E-10	4.99E-09	1.23E-08
246	565442.9	4222135	7.044E-08	1.00E-09	3.34E-08	1.05E-07	3.73E-08	1.10E-09	3.34E-08	7.18E-08	9.25E-09	1.96E-10	1.09E-08	2.04E-08	7.16E-09	1.09E-10	4.98E-09	1.22E-08
247	565433	4222135	7.035E-08	1.00E-09	3.33E-08	1.05E-07	3.73E-08	1.10E-09	3.33E-08	7.17E-08	9.24E-09	1.96E-10	1.09E-08	2.03E-08	7.15E-09	1.09E-10	4.98E-09	1.22E-08
248	565423.1	4222135	7.023E-08	1.00E-09	3.33E-08	1.05E-07	3.72E-08	1.10E-09	3.33E-08	7.16E-08	9.22E-09	1.96E-10	1.09E-08	2.03E-08	7.14E-09	1.09E-10	4.97E-09	1.22E-08
249	565413.2	4222135	7.009E-08	1.00E-09	3.32E-08	1.04E-07	3.72E-08	1.10E-09	3.32E-08	7.15E-08	9.21E-09	1.96E-10	1.09E-08	2.03E-08	7.12E-09	1.09E-10	4.96E-09	1.22E-08
250	565403.3	4222135	6.993E-08	1.00E-09	3.31E-08	1.04E-07	3.71E-08	1.10E-09	3.31E-08	7.13E-08	9.18E-09	1.96E-10	1.08E-08	2.02E-08	7.11E-09	1.09E-10	4.95E-09	1.22E-08
251	565393.4	4222135	6.969E-08	1.00E-09	3.30E-08	1.04E-07	3.70E-08	1.10E-09	3.30E-08	7.11E-08	9.15E-09	1.96E-10	1.08E-08	2.02E-08	7.08E-09	1.09E-10	4.93E-09	1.21E-08
252	565536.4	4222139	7.114E-08	1.00E-09	3.37E-08	1.06E-07	3.77E-08	1.10E-09	3.37E-08	7.25E-08	9.34E-09	1.96E-10	1.10E-08	2.06E-08	7.23E-09	1.09E-10	5.03E-09	1.24E-08
253	565544.9	4222142	7.276E-08	1.00E-09	3.45E-08	1.08E-07	3.86E-08	1.10E-09	3.45E-08	7.42E-08	9.56E-09	1.96E-10	1.13E-08	2.10E-08	7.39E-09	1.09E-10	5.15E-09	1.27E-08
254	565553.4	4222146	7.422E-08	1.00E-09	3.52E-08	1.10E-07	3.94E-08	1.10E-09	3.52E-08	7.56E-08	9.75E-09	1.96E-10	1.15E-08	2.15E-08	7.54E-09	1.09E-10	5.25E-09	1.29E-08
255	565502.3	4222125	6.37E-08	1.00E-09	3.02E-08	9.49E-08	3.38E-08	1.10E-09	3.02E-08	6.50E-08	8.37E-09	1.96E-10	9.87E-09	1.84E-08	6.47E-09	1.09E-10	4.50E-09	1.11E-08
256	565492.4	4222125	6.383E-08	1.00E-09	3.02E-08	9.51E-08	3.38E-08	1.10E-09	3.02E-08	6.52E-08	8.38E-09	1.96E-10	9.90E-09	1.85E-08	6.49E-09	1.09E-10	4.51E-09	1.11E-08
257	565482.5	4222125	6.389E-08	1.00E-09	3.03E-08	9.52E-08	3.39E-08	1.10E-09	3.03E-08	6.52E-08	8.39E-09	1.96E-10	9.90E-09	1.85E-08	6.49E-09	1.09E-10	4.52E-09	1.11E-08
258	565472.6	4222125	6.389E-08	1.00E-09	3.03E-08	9.52E-08	3.39E-08	1.10E-09	3.03E-08	6.52E-08	8.39E-09	1.96E-10	9.90E-09	1.85E-08	6.49E-09	1.09E-10	4.52E-09	1.11E-08
259	565462.7	4222125	6.385E-08	1.00E-09	3.02E-08	9.51E-08	3.39E-08	1.10E-09	3.02E-08	6.52E-08	8.38E-09	1.96E-10	9.90E-09	1.85E-08	6.49E-09	1.09E-10	4.52E-09	1.11E-08
260	565452.8	4222125	6.376E-08	1.00E-09	3.02E-08	9.50E-08	3.38E-08	1.10E-09	3.02E-08	6.51E-08	8.37E-09	1.96E-10	9.88E-09	1.85E-08	6.48E-09	1.09E-10	4.51E-09	1.11E-08
261	565442.9	4222125	6.365E-08	1.00E-09	3.02E-08	9.48E-08	3.37E-08	1.10E-09	3.02E-08	6.50E-08	8.36E-09	1.96E-10	9.87E-09	1.84E-08	6.47E-09	1.09E-10	4.50E-09	1.11E-08
262	565433	4222125	6.351E-08	1.00E-09	3.01E-08	9.46E-08	3.37E-08	1.10E-09	3.01E-08	6.49E-08	8.34E-09	1.96E-10	9.85E-09	1.84E-08	6.45E-09	1.09E-10	4.49E-09	1.11E-08
263	565423.1	4222125	6.336E-08	1.00E-09	3.00E-08	9.44E-08	3.36E-08	1.10E-09	3.00E-08	6.47E-08	8.32E-09	1.96E-10	9.82E-09	1.83E-08	6.44E-09	1.09E-10	4.48E-09	1.10E-08
264	565413.2	4222125	6.319E-08	1.00E-09	2.99E-08	9.41E-08	3.35E-08	1.10E-09	2.99E-08	6.45E-08	8.30E-09	1.96E-10	9.80E-09	1.83E-08	6.42E-09	1.09E-10	4.47E-09	1.10E-08
265	565403.3	4222125	6.302E-08	1.00E-09	2.99E-08	9.39E-08	3.34E-08	1.10E-09	2.99E-08	6.44E-08	8.28E-09	1.96E-10	9.77E-09	1.82E-08	6.40E-09	1.09E-10	4.46E-09	1.10E-08
266	565393.4	4222125	6.28E-08	1.00E-09	2.98E-08	9.36E-08	3.33E-08	1.10E-09	2.98E-08	6.41E-08	8.25E-09	1.96E-10	9.74E-09	1.82E-08	6.38E-09	1.09E-10	4.44E-09	1.09E-08
267	565535.7	4222129	6.487E-08	1.00E-09	3.07E-08	9.66E-08	3.44E-08	1.10E-09	3.07E-08	6.62E-08	8.52E-09	1.96E-10	1.01E-08	1.88E-08	6.59E-09	1.09E-10	4.59E-09	1.13E-08
268	565544.1	4222132	6.637E-08	1.00E-09	3.14E-08	9.88E-08	3.52E-08	1.10E-09	3.14E-08	6.77E-08	8.72E-09	1.96E-10	1.03E-08	1.92E-08	6.74E-09	1.09E-10	4.69E-09	1.15E-08
269	565552.4	4222135	6.776E-08	1.00E-09	3.21E-08	1.01E-07	3.59E-08	1.10E-09	3.21E-08	6.91E-08	8.90E-09	1.96E-10	1.05E-08	1.96E-08	6.89E-09	1.09E-10	4.79E-09	1.18E-08
270	565560.8	4222139	6.901E-08	1.00E-09	3.27E-08	1.03E-07	3.66E-08	1.10E-09	3.27E-08	7.04E-08	9.06E-09	1.96E-10	1.07E-08	2.00E-08	7.01E-09	1.09E-10	4.88E-09	1.20E-08
271	565502.3	4222115	5.823E-08	1.00E-09	2.76E-08	8.68E-08	3.09E-08	1.10E-09	2.76E-08	5.96E-08	7.65E-09	1.96E-10	9.03E-09	1.69E-08	5.92E-09	1.09E-10	4.12E-09	1.01E-08
272	565492.4	4222115	5.829E-08	1.00E-09	2.76E-08	8.69E-08	3.09E-08	1.10E-09	2.76E-08	5.96E-08	7.65E-09	1.96E-10	9.04E-09	1.69E-08	5.92E-09	1.09E-10	4.12E-09	1.02E-08
273	565482.5	4222115	5.828E-08	1.00E-09	2.76E-08	8.69E-08	3.09E-08	1.10E-09	2.76E-08	5.96E-08	7.65E-09	1.96E-10	9.03E-09	1.69E-08	5.92E-09	1.09E-10	4.12E-09	1.02E-08
274	565472.6	4222115	5.823E-08	1.00E-09	2.76E-08	8.68E-08	3.09E-08	1.10E-09	2.76E-08	5.96E-08	7.65E-09	1.96E-10	9.03E-09	1.69E-08	5.92E-09	1.09E-10	4.12E-09	1.01E-08
275	565462.7	4222115	5.813E-08	1.00E-09	2.75E-08	8.67E-08	3.08E-08	1.10E-09	2.75E-08	5.95E-08	7.63E-09	1.96E-10	9.01E-09	1.68E-08	5.91E-09	1.09E-10	4.11E-09	1.01E-08
276	565452.8	4222115	5.801E-08	1.00E-09	2.75E-08	8.65E-08	3.08E-08	1.10E-09	2.75E-08	5.93E-08	7.62E-09	1.96E-10	8.99E-09	1.68E-08	5.89E-09	1.09E-10	4.10E-09	1.01E-08
277	565442.9	4222115	5.786E-08	1.00E-09	2.74E-08	8.63E-08	3.07E-08	1.10E-09	2.74E-08	5.92E-08	7.60E-09	1.96E-10	8.97E-09	1.68E-08	5.88E-09	1.09E-10	4.09E-09	1.01E-08
278	565433	4222115	5.77E-08	1.00E-09	2.73E-08	8.60E-08	3.06E-08	1.10E-09	2.73E-08	5.90E-08	7.58E-09	1.96E-10	8.94E-09	1.67E-08	5.86E-09	1.09E-10	4.08E-09	1.01E-08
279	565423.1	4222115	5.751E-08	1.00E-09	2.72E-08	8.58E-08	3.05E-08	1.10E-09	2.72E-08	5.88E-08	7.55E-09	1.96E-10	8.92E-09	1.67E-08	5.84E-09	1.09E-10	4.07E-09	1.00E-08
280	565413.2	4222115	5.732E-08	1.00E-09	2.72E-08	8.55E-08	3.04E-08	1.10E-09	2.72E-08	5.86E-08	7.53E-09	1.96E-10	8.89E-09	1.66E-08	5.83E-09	1.09E-10	4.05E-09	9.99E-09
281	565403.3	4222115	5.713E-08	1.00E-09	2.71E-08	8.52E-08	3.03E-08	1.10E-09	2.71E-08	5.85E-08	7.50E-09	1.96E-10	8.86E-09	1.66E-08	5.81E-09	1.09E-10	4.04E-09	9.96E-09
282	565393.3	4222115	5.694E-08	1.00E-09	2.70E-08	8.49E-08	3.02E-08	1.10E-09	2.70E-08	5.83E-08	7.48E-09	1.96E-10	8.83E-09	1.65E-08	5.79E-09	1.09E-10	4.03E-09	9.92E-09
283	565547.5	4222124	6.144E-08	1.00E-09	2.91E-08	9.16E-08	3.26E-08	1.10E-09	2.91E-08	6.28E-08	8.07E-09	1.96E-10	9.52E-09	1.78E-08	6.24E-09	1.09E-10	4.35E-09	1.07E-08
284	565556.6	4222127	6.281E-08	1.00E-09	2.98E-08	9.36E-08	3.33E-08	1.10E-09	2.98E-08	6.42E-08	8.25E-09	1.96E-10	9.74E-09	1.82E-08	6.38E-09	1.09E-10	4.44E-09	1.09E-08
285	565502.3	4222105	5.346E-08	1.00E-09	2.53E-08	7.98E-08	2.83E-08	1.10E-09	2.53E-08	5.48E-08	7.02E-09	1.96E-10	8.29E-09	1.55E-08	5.43E-09	1.09E-10	3.78E-09	9.32E-09
286	565492.4	4222105	5.346E-08	1.00E-09	2.53E-08	7.98E-08	2.83E-08	1.10E-09	2.53E-08	5.48E-08	7.02E-09	1.96E-10	8.29E-09	1.55E-08	5.43E-09	1.09E-10	3.78E-09	9.32E-09
287	565482.5	4222105	5.341E-08	1.00E-09	2.53E-08	7.97E-08	2.83E-08	1.10E-09	2.53E-08	5.47E-08	7.01E-09	1.96E-10	8.28E-09	1.55E-08	5.43E-09	1.09E-10	3.78E-09	9.31E-09
288	565472.6	4222105	5.332E-08	1.00E-09	2.53E-08	7.96E-08	2.83E-08	1.10E-09	2.53E-08	5.46E-08	7.00E-09	1.96E-10	8.27E-09	1.55E-08	5.42E-09	1.09E-10	3.77E-09	9.30E-09
289	565462.7	4222105	5.32E-08	1.00E-09	2.52E-08	7.94E-08	2.82E-08	1.10E-09	2.52E-08	5.45E-08	6.99E-09	1.96E-10	8.25E-09	1.54E-08	5.41E-09	1.09E-10	3.76E-09	9.28E-09
290	565452.8	4222105	5.305E-08	1.00E-09	2.51E-08	7.92E-08	2.81E-08	1.10E-09	2.51E-08	5.44E-08	6.97E-09	1.96E-10	8.22E-09	1.54E-08	5.39E-09	1.09E-10	3.75E-09	9.25E-09
291	565442.9	4222105	5.289E-08	1.00E-09	2.51E-08	7.89E-08	2.80E-08	1.10E-09	2.51E-08	5.42E-08	6.95E-09	1.96E-10	8.20E-09	1.53E-08	5.37E-09	1.09E-10	3.74E-09	9.22E-09
292	565432.9	4222105	5.271E-08	1.00E-09	2.50E-08	7.87E-08	2.79E-08	1.10E-09	2.50E-08	5.40E-08	6.92E-09	1.96E-10	8.17E-09	1.53E-08	5.36E-09	1.09E-10	3.73E-09	9.19E-09
293	565423	4222105	5.25E-08	1.00E-09	2.49E-08	7.84E-08	2.78E-08	1.10E-09	2.49E-08	5.38E-08	6.90E-09	1.96E-10	8.14E-09	1.52E-08	5.34E-09	1.09E-10	3.71E-09	9.16E-09
294	565413.1	4222105	5.23E-08	1.00E-09	2.48E-08	7.81E-08	2.77E-08	1.10E-09	2.48E-08	5.36E-08	6.87E-09	1.96E-10	8.11E-09	1.52E-08	5.32E-09	1.09E-10	3.70E-09	9.12E-09
295	565403.2	4222105	5.211E-08	1.00E-09	2.47E-08	7.78E-08	2.76E-08	1.10E-09	2.47E-08	5.34E-08	6.84E-09	1.96E-10	8.08E-09	1.51E-08	5.30E-09	1.09E-10	3.69E-09	9.09E-09
296	565393.3	4222105	5.194E-08	1.00E-09	2.46E-08	7.75E-08	2.75E-08	1.10E-09	2.46E-08	5.32E-08	6.82E-09	1.96E-10	8.05E-09	1.51E-08	5.28E-09	1.09E-10	3.67E-09	9.06E-09
297	565383.4	4222105	5.178E-08	1.00E-09	2.45E-08	7.73E-08	2.75E-08	1.10E-09	2.45E-08	5.31E-08	6.80E-09	1.96E-10	8.03E-09	1.50E-08	5.26E-09	1.09E-10	3.66E-09	9.03E-09
298	565373.5	4222105	5.164E-08	1.00E-09	2.45E-08	7.71E-08	2.74E-08	1.10E-09	2.45E-08	5.29E-08	6.78E-09	1.96E-10	8.00E-09	1.50E-08	5.25E-09	1.09E-10	3.65E-09	9.01E-09
299	565363.6	4222105	5.153E-08	1.00E-09	2.44E-08	7.69E-08	2.73E-08	1.10E-09	2.44E-08	5.28E-08	6.77E-09	1.96E-10	7.99E-09	1.50E-08	5.24E-09	1.09E-10	3.64E-09	8.99E-09
300	565353.7	4222105	5.143E-08	1.00E-09	2.44E-08	7.68E-08	2.73E-08	1.10E-09	2.44E-08	5.27E-08	6.75E-09	1.96E-10	7.97E-09	1.49E-08	5.23E-09	1.09E-10	3.64E-09	8.97E-09
301	565343.8	4222105	5.136E-08	1.00E-09	2.43E-08	7.67E-08	2.72E-08	1.10E-09	2.43E-08	5.27E-08	6.75E-09	1.96E-10	7.96E-09	1.49E-08	5.22E-09	1.09E-10	3.63E-09	8.96E-09
302	565333.9	4222105	5.126E-08	1.00E-09	2.43E-08	7.65E-08	2.72E-08	1.10E-09	2.43E-08	5.26E-08	6.73E-09	1.96E-10	7.95E-09	1.49E-08	5.21E-09	1.09E-10	3.62E-09	8.94E-09
303	565324	4222105	5.116E-08	1.00E-09	2.42E-08	7.64E-08	2.71E-08	1.10E-09	2.42E-08	5.25E-08	6.72E-09	1.96E-10	7.93E-09	1.48E-08	5.20E-09	1.09E-10	3.62E-09	8.93E-09
304	565314.1	4222105	5.108E-08	1.00E-09	2.42E-08	7.63E-08	2.71E-08	1.10E-09	2.42E-08	5.24E-08	6.71E-09	1.96E-10	7.92E-09	1.48E-08	5.19E-09	1.09E-10	3.61E-09	8.91E-09
305	565304.2	4222105	5.105E-08	1.00E-09	2.42E-08	7.62E-08	2.71E-08	1.10E-09	2.42E-08	5.24E-08	6.70E-09	1.96E-10	7.91E-09	1.48E-08	5.19E-09	1.09E-10	3.61E-09	8.91E-09
306	565294.3	4222105	5.103E-08	1.00E-09	2.42E-08	7.62E-08	2.71E-08	1.10E-09	2.42E-08	5.23E-08	6.70E-09	1.96E-10	7.91E-09	1.48E-08	5.19E-09	1.09E-10	3.61E-09	8.90E-09
307	565284.4	4222105	5.101E-08	1.00E-09	2.42E-08	7.62E-08	2.70E-08	1.10E-09	2.42E-08	5.23E-08	6.70E-09	1.96E-10	7.91E-09	1.48E-08	5.18E-09	1.09E-10	3.61E-09	8.90E-09
308	565537.7	4222110	5.508E-08	1.00E-09	2.61E-08	8.22E-08	2.92E-08	1.10E-09	2.61E-08	5.64E-08	7.23E-09	1.96E-10	8.54E-09	1.60E-08	5.60E-09	1.09E-10	3.90E-09	9.60E-09
309	565546.6	4222113	5.643E-08	1.00E-09	2.67E-08	8.42E-08	2.99E-08	1.10E-09	2.67E-08	5.78E-08	7.41E-09	1.96E-10	8.75E-09	1.64E-08	5.73E-09	1.09E-10	3.99E-09	9.83E-09
310	565555.4	4222117	5.771E-08	1.00E-09	2.73E-08	8.61E-08	3.06E-08	1.10E-09	2.73E-08	5.90E-08	7.58E-09	1.96E-10	8.95E-09	1.67E-08	5.86E-09	1.09E-10	4.08E-09	1.01E-08
311	565502.3	4222095	4.928E-08	1.00E-09	2.33E-08	7.36E-08	2.61E-08	1.10E-09	2.33E-08	5.06E-08	6.47E-09	1.96E-10	7.64E-09	1.43E-08	5.01E-09	1.09E-10	3.48E-09	8.60E-09
312	565492.4	4222095	4.924E-08	1.00E-09	2.33E-08	7.36E-08	2.61E-08	1.10E-09	2.33E-08	5.05E-08	6.47E-09	1.96E-10	7.63E-09	1.43E-08	5.00E-09	1.09E-10	3.48E-09	8.59E-09
313	565482.5	4222095	4.916E-08	1.00E-09	2.33E-08	7.34E-08	2.61E-08	1.10E-09	2.33E-08	5.05E-08	6.46E-09	1.96E-10	7.62E-09	1.43E-08	5.00E-09	1.09E-10	3.48E-09	8.58E-09
314	565472.5	4222095	4.904E-08	1.00E-09	2.32E-08	7.33E-08	2.60E-08	1.10E-09	2.32E-08	5.03E-08	6.44E-09	1.96E-10	7.60E-09	1.42E-08	4.98E-09	1.09E-10	3.47E-09	8.56E-09
315	565462.6	4222095	4.891E-08	1.00E-09	2.32E-08	7.31E-08	2.59E-08	1.10E-09	2.32E-08	5.02E-08	6.42E-09	1.96E-10	7.58E-09	1.42E-08	4.97E-09	1.09E-10	3.46E-09	8.54E-09
316	565452.7	4222095	4.875E-08	1.00E-09	2.31E-08	7.28E-08	2.58E-08	1.10E-09	2.31E-08	5.00E-08	6.40E-09	1.96E-10	7.56E-09	1.42E-08	4.95E-09	1.09E-10	3.45E-09	8.51E-09
317	565442.8	4222095	4.857E-08	1.00E-09	2.30E-08	7.26E-08	2.58E-08	1.10E-09	2.30E-08	4.99E-08	6.38E-09	1.96E-10	7.53E-09	1.41E-08	4.94E-09	1.09E-10	3.43E-09	8.48E-09
318	565432.9	4222095	4.839E-08	1.00E-09	2.29E-08	7.23E-08	2.57E-08	1.10E-09	2.29E-08	4.97E-08	6.35E-09	1.96E-10	7.50E-09	1.41E-08	4.92E-09	1.09E-10	3.42E-09	8.45E-09
319	565423	4222095	4.818E-08	1.00E-09	2.28E-08	7.20E-08	2.55E-08	1.10E-09	2.28E-08	4.95E-08	6.33E-09	1.96E-10	7.47E-09	1.40E-08	4.90E-09	1.09E-10	3.41E-09	8.41E-09
320	565413.1	4222095	4.797E-08	1.00E-09	2.27E-08	7.17E-08	2.54E-08	1.10E-09	2.27E-08	4.93E-08	6.30E-09	1.96E-10	7.44E-09	1.39E-08	4.88E-09	1.09E-10	3.39E-09	8.38E-09
321	565403.2	4222095	4.777E-08	1.00E-09	2.26E-08	7.14E-08	2.53E-08	1.10E-09	2.26E-08	4.91E-08	6.27E-09	1.96E-10	7.41E-09	1.39E-08	4.85E-09	1.09E-10	3.38E-09	8.34E-09
322	565393.3	4222095	4.762E-08	1.00E-09	2.26E-08	7.12E-08	2.52E-08	1.10E-09	2.26E-08	4.89E-08	6.25E-09	1.96E-10	7.38E-09	1.38E-08	4.84E-09	1.09E-10	3.37E-09	8.32E-09
323	565383.4	4222095	4.749E-08	1.00E-09	2.25E-08	7.10E-08	2.52E-08	1.10E-09	2.25E-08	4.88E-08	6.24E-09	1.96E-10	7.36E-09	1.38E-08	4.83E-09	1.09E-10	3.36E-09	8.29E-09
324	565373.5	4222095	4.737E-08	1.00E-09	2.24E-08	7.08E-08	2.51E-08	1.10E-09	2.24E-08	4.87E-08	6.22E-09	1.96E-10	7.34E-09	1.38E-08	4.81E-09	1.09E-10	3.35E-09	8.27E-09
325	565363.6	4222095	4.727E-08	1.00E-09	2.24E-08	7.07E-08	2.51E-08	1.10E-09	2.24E-08	4.86E-08	6.21E-09	1.96E-10	7.33E-09	1.37E-08	4.80E-09	1.09E-10	3.34E-09	8.26E-09
326	565353.7	4222095	4.72E-08	1.00E-09	2.24E-08	7.06E-08	2.50E-08	1.10E-09	2.24E-08	4.85E-08	6.20E-09	1.96E-10	7.32E-09	1.37E-08	4.80E-09	1.09E-10	3.34E-09	8.24E-09
327	565343.8	4222096	4.713E-08	1.00E-09	2.23E-08	7.05E-08	2.50E-08	1.10E-09	2.23E-08	4.84E-08	6.19E-09	1.96E-10	7.31E-09	1.37E-08	4.79E-09	1.09E-10	3.33E-09	8.23E-09
328	565333.9	4222096	4.706E-08	1.00E-09	2.23E-08	7.04E-08	2.49E-08	1.10E-09	2.23E-08	4.83E-08	6.18E-09	1.96E-10	7.29E-09	1.37E-08	4.78E-09	1.09E-10	3.33E-09	8.22E-09
329	565324	4222096	4.699E-08	1.00E-09	2.23E-08	7.03E-08	2.49E-08	1.10E-09	2.23E-08	4.83E-08	6.17E-09	1.96E-10	7.28E-09	1.37E-08	4.78E-09	1.09E-10	3.32E-09	8.21E-09
330	565314.1	4222096	4.693E-08	1.00E-09	2.22E-08	7.02E-08	2.49E-08	1.10E-09	2.22E-08	4.82E-08	6.16E-09	1.96E-10	7.28E-09	1.36E-08	4.77E-09	1.09E-10	3.32E-09	8.20E-09
331	565304.2	4222096	4.693E-08	1.00E-09	2.22E-08	7.02E-08	2.49E-08	1.10E-09	2.22E-08	4.82E-08	6.16E-09	1.96E-10	7.28E-09	1.36E-08	4.77E-09	1.09E-10	3.32E-09	8.20E-09
332	565294.3	4222096	4.694E-08	1.00E-09	2.22E-08	7.02E-08	2.49E-08	1.10E-09	2.22E-08	4.82E-08	6.16E-09	1.96E-10	7.28E-09	1.36E-08	4.77E-09	1.09E-10	3.32E-09	8.20E-09
333	565284.4	4222096	4.694E-08	1.00E-09	2.22E-08	7.02E-08	2.49E-08	1.10E-09	2.22E-08	4.82E-08	6.16E-09	1.96E-10	7.28E-09	1.36E-08	4.77E-09	1.09E-10	3.32E-09	8.20E-09

334	565537.1	4222100	5.078E-08	1.00E-09	2.41E-08	7.58E-08	2.69E-08	1.10E-09	2.41E-08	5.21E-08	6.67E-09	1.96E-10	7.87E-09	1.47E-08	5.16E-09	1.09E-10	3.59E-09	8.86E-09
335	565545.8	4222103	5.201E-08	1.00E-09	2.46E-08	7.77E-08	2.76E-08	1.10E-09	2.46E-08	5.33E-08	6.83E-09	1.96E-10	8.06E-09	1.51E-08	5.29E-09	1.09E-10	3.68E-09	9.07E-09
336	565554.5	4222107	5.319E-08	1.00E-09	2.52E-08	7.94E-08	2.82E-08	1.10E-09	2.52E-08	5.45E-08	6.99E-09	1.96E-10	8.25E-09	1.54E-08	5.41E-09	1.09E-10	3.76E-09	9.28E-09
337	565563.2	4222110	5.431E-08	1.00E-09	2.57E-08	8.10E-08	2.88E-08	1.10E-09	2.57E-08	5.56E-08	7.13E-09	1.96E-10	8.42E-09	1.57E-08	5.52E-09	1.09E-10	3.84E-09	9.47E-09
338	565502.2	4222085	4.558E-08	1.00E-09	2.16E-08	6.82E-08	2.42E-08	1.10E-09	2.16E-08	4.69E-08	5.99E-09	1.96E-10	7.07E-09	1.32E-08	4.63E-09	1.09E-10	3.22E-09	7.96E-09
339	565492.3	4222085	4.551E-08	1.00E-09	2.16E-08	6.81E-08	2.41E-08	1.10E-09	2.16E-08	4.68E-08	5.98E-09	1.96E-10	7.06E-09	1.32E-08	4.63E-09	1.09E-10	3.22E-09	7.95E-09
340	565482.4	4222085	4.542E-08	1.00E-09	2.15E-08	6.79E-08	2.41E-08	1.10E-09	2.15E-08	4.67E-08	5.96E-09	1.96E-10	7.04E-09	1.32E-08	4.62E-09	1.09E-10	3.21E-09	7.94E-09
341	565472.5	4222085	4.529E-08	1.00E-09	2.15E-08	6.78E-08	2.40E-08	1.10E-09	2.15E-08	4.66E-08	5.95E-09	1.96E-10	7.02E-09	1.32E-08	4.60E-09	1.09E-10	3.20E-09	7.92E-09
342	565462.6	4222085	4.514E-08	1.00E-09	2.14E-08	6.75E-08	2.39E-08	1.10E-09	2.14E-08	4.64E-08	5.93E-09	1.96E-10	7.00E-09	1.31E-08	4.59E-09	1.09E-10	3.19E-09	7.89E-09
343	565452.7	4222085	4.498E-08	1.00E-09	2.13E-08	6.73E-08	2.38E-08	1.10E-09	2.13E-08	4.63E-08	5.91E-09	1.96E-10	6.97E-09	1.31E-08	4.57E-09	1.09E-10	3.18E-09	7.86E-09
344	565442.8	4222085	4.48E-08	1.00E-09	2.12E-08	6.70E-08	2.38E-08	1.10E-09	2.12E-08	4.61E-08	5.88E-09	1.96E-10	6.95E-09	1.30E-08	4.55E-09	1.09E-10	3.17E-09	7.83E-09
345	565432.9	4222085	4.462E-08	1.00E-09	2.11E-08	6.68E-08	2.37E-08	1.10E-09	2.11E-08	4.59E-08	5.86E-09	1.96E-10	6.92E-09	1.30E-08	4.53E-09	1.09E-10	3.16E-09	7.80E-09
346	565423	4222085	4.442E-08	1.00E-09	2.10E-08	6.65E-08	2.36E-08	1.10E-09	2.10E-08	4.57E-08	5.83E-09	1.96E-10	6.89E-09	1.29E-08	4.51E-09	1.09E-10	3.14E-09	7.77E-09
347	565413.1	4222086	4.423E-08	1.00E-09	2.10E-08	6.62E-08	2.34E-08	1.10E-09	2.10E-08	4.55E-08	5.81E-09	1.96E-10	6.86E-09	1.29E-08	4.49E-09	1.09E-10	3.13E-09	7.73E-09
348	565403.2	4222086	4.404E-08	1.00E-09	2.09E-08	6.59E-08	2.33E-08	1.10E-09	2.09E-08	4.53E-08	5.78E-09	1.96E-10	6.83E-09	1.28E-08	4.48E-09	1.09E-10	3.11E-09	7.70E-09
349	565393.3	4222086	4.389E-08	1.00E-09	2.08E-08	6.57E-08	2.33E-08	1.10E-09	2.08E-08	4.52E-08	5.76E-09	1.96E-10	6.80E-09	1.28E-08	4.46E-09	1.09E-10	3.10E-09	7.67E-09
350	565383.4	4222086	4.377E-08	1.00E-09	2.07E-08	6.55E-08	2.32E-08	1.10E-09	2.07E-08	4.50E-08	5.75E-09	1.96E-10	6.78E-09	1.27E-08	4.45E-09	1.09E-10	3.10E-09	7.65E-09
351	565373.5	4222086	4.366E-08	1.00E-09	2.07E-08	6.53E-08	2.31E-08	1.10E-09	2.07E-08	4.49E-08	5.73E-09	1.96E-10	6.77E-09	1.27E-08	4.44E-09	1.09E-10	3.09E-09	7.63E-09
352	565363.6	4222086	4.356E-08	1.00E-09	2.06E-08	6.52E-08	2.31E-08	1.10E-09	2.06E-08	4.48E-08	5.72E-09	1.96E-10	6.75E-09	1.27E-08	4.43E-09	1.09E-10	3.08E-09	7.62E-09
353	565353.7	4222086	4.348E-08	1.00E-09	2.06E-08	6.51E-08	2.31E-08	1.10E-09	2.06E-08	4.48E-08	5.71E-09	1.96E-10	6.74E-09	1.26E-08	4.42E-09	1.09E-10	3.07E-09	7.60E-09
354	565343.8	4222086	4.342E-08	1.00E-09	2.06E-08	6.50E-08	2.30E-08	1.10E-09	2.06E-08	4.47E-08	5.70E-09	1.96E-10	6.73E-09	1.26E-08	4.41E-09	1.09E-10	3.07E-09	7.59E-09
355	565333.9	4222086	4.336E-08	1.00E-09	2.05E-08	6.49E-08	2.30E-08	1.10E-09	2.05E-08	4.46E-08	5.69E-09	1.96E-10	6.72E-09	1.26E-08	4.41E-09	1.09E-10	3.07E-09	7.58E-09
356	565323.9	4222086	4.332E-08	1.00E-09	2.05E-08	6.49E-08	2.30E-08	1.10E-09	2.05E-08	4.46E-08	5.69E-09	1.96E-10	6.72E-09	1.26E-08	4.40E-09	1.09E-10	3.06E-09	7.58E-09
357	565314	4222086	4.33E-08	1.00E-09	2.05E-08	6.48E-08	2.30E-08	1.10E-09	2.05E-08	4.46E-08	5.69E-09	1.96E-10	6.71E-09	1.26E-08	4.40E-09	1.09E-10	3.06E-09	7.57E-09
358	565304.1	4222086	4.331E-08	1.00E-09	2.05E-08	6.48E-08	2.30E-08	1.10E-09	2.05E-08	4.46E-08	5.69E-09	1.96E-10	6.71E-09	1.26E-08	4.40E-09	1.09E-10	3.06E-09	7.57E-09
359	565294.2	4222086	4.333E-08	1.00E-09	2.05E-08	6.49E-08	2.30E-08	1.10E-09	2.05E-08	4.46E-08	5.69E-09	1.96E-10	6.72E-09	1.26E-08	4.40E-09	1.09E-10	3.06E-09	7.58E-09
360	565284.3	4222086	4.335E-08	1.00E-09	2.05E-08	6.49E-08	2.30E-08	1.10E-09	2.05E-08	4.46E-08	5.69E-09	1.96E-10	6.72E-09	1.26E-08	4.41E-09	1.09E-10	3.07E-09	7.58E-09
361	565536.5	4222090	4.698E-08	1.00E-09	2.23E-08	7.02E-08	2.49E-08	1.10E-09	2.23E-08	4.83E-08	6.17E-09	1.96E-10	7.28E-09	1.36E-08	4.77E-09	1.09E-10	3.32E-09	8.21E-09
362	565545.1	4222093	4.81E-08	1.00E-09	2.28E-08	7.19E-08	2.55E-08	1.10E-09	2.28E-08	4.94E-08	6.32E-09	1.96E-10	7.46E-09	1.40E-08	4.89E-09	1.09E-10	3.40E-09	8.40E-09
363	565553.6	4222097	4.919E-08	1.00E-09	2.33E-08	7.35E-08	2.61E-08	1.10E-09	2.33E-08	5.05E-08	6.46E-09	1.96E-10	7.63E-09	1.43E-08	5.00E-09	1.09E-10	3.48E-09	8.59E-09
364	565562.2	4222100	5.023E-08	1.00E-09	2.38E-08	7.50E-08	2.66E-08	1.10E-09	2.38E-08	5.15E-08	6.60E-09	1.96E-10	7.79E-09	1.46E-08	5.10E-09	1.09E-10	3.55E-09	8.77E-09
365	565502.2	4222075	4.23E-08	1.00E-09	2.00E-08	6.33E-08	2.24E-08	1.10E-09	2.00E-08	4.36E-08	5.56E-09	1.96E-10	6.56E-09	1.23E-08	4.30E-09	1.09E-10	2.99E-09	7.40E-09
366	565492.3	4222075	4.222E-08	1.00E-09	2.00E-08	6.32E-08	2.24E-08	1.10E-09	2.00E-08	4.35E-08	5.54E-09	1.96E-10	6.54E-09	1.23E-08	4.29E-09	1.09E-10	2.99E-09	7.39E-09
367	565482.4	4222076	4.211E-08	1.00E-09	1.99E-08	6.31E-08	2.23E-08	1.10E-09	1.99E-08	4.34E-08	5.53E-09	1.96E-10	6.53E-09	1.23E-08	4.28E-09	1.09E-10	2.98E-09	7.37E-09
368	565472.5	4222076	4.198E-08	1.00E-09	1.99E-08	6.29E-08	2.23E-08	1.10E-09	1.99E-08	4.32E-08	5.51E-09	1.96E-10	6.51E-09	1.22E-08	4.27E-09	1.09E-10	2.97E-09	7.34E-09
369	565462.6	4222076	4.182E-08	1.00E-09	1.98E-08	6.26E-08	2.22E-08	1.10E-09	1.98E-08	4.31E-08	5.49E-09	1.96E-10	6.48E-09	1.22E-08	4.25E-09	1.09E-10	2.96E-09	7.32E-09
370	565452.7	4222076	4.166E-08	1.00E-09	1.97E-08	6.24E-08	2.21E-08	1.10E-09	1.97E-08	4.29E-08	5.47E-09	1.96E-10	6.46E-09	1.21E-08	4.23E-09	1.09E-10	2.95E-09	7.29E-09
371	565442.8	4222076	4.149E-08	1.00E-09	1.97E-08	6.22E-08	2.20E-08	1.10E-09	1.97E-08	4.28E-08	5.45E-09	1.96E-10	6.43E-09	1.21E-08	4.22E-09	1.09E-10	2.93E-09	7.26E-09
372	565432.9	4222076	4.132E-08	1.00E-09	1.96E-08	6.19E-08	2.19E-08	1.10E-09	1.96E-08	4.26E-08	5.43E-09	1.96E-10	6.40E-09	1.20E-08	4.20E-09	1.09E-10	2.92E-09	7.23E-09
373	565423	4222076	4.113E-08	1.00E-09	1.95E-08	6.16E-08	2.18E-08	1.10E-09	1.95E-08	4.24E-08	5.40E-09	1.96E-10	6.38E-09	1.20E-08	4.18E-09	1.09E-10	2.91E-09	7.20E-09
374	565413.1	4222076	4.094E-08	1.00E-09	1.94E-08	6.13E-08	2.17E-08	1.10E-09	1.94E-08	4.22E-08	5.38E-09	1.96E-10	6.35E-09	1.19E-08	4.16E-09	1.09E-10	2.90E-09	7.17E-09
375	565403.2	4222076	4.076E-08	1.00E-09	1.93E-08	6.11E-08	2.16E-08	1.10E-09	1.93E-08	4.20E-08	5.35E-09	1.96E-10	6.32E-09	1.19E-08	4.14E-09	1.09E-10	2.88E-09	7.13E-09
376	565393.3	4222076	4.063E-08	1.00E-09	1.92E-08	6.09E-08	2.15E-08	1.10E-09	1.92E-08	4.19E-08	5.34E-09	1.96E-10	6.30E-09	1.18E-08	4.13E-09	1.09E-10	2.87E-09	7.11E-09
377	565383.4	4222076	4.051E-08	1.00E-09	1.92E-08	6.07E-08	2.15E-08	1.10E-09	1.92E-08	4.18E-08	5.32E-09	1.96E-10	6.28E-09	1.18E-08	4.12E-09	1.09E-10	2.86E-09	7.09E-09
378	565373.5	4222076	4.04E-08	1.00E-09	1.91E-08	6.06E-08	2.14E-08	1.10E-09	1.91E-08	4.17E-08	5.31E-09	1.96E-10	6.26E-09	1.18E-08	4.11E-09	1.09E-10	2.86E-09	7.07E-09
379	565363.5	4222076	4.03E-08	1.00E-09	1.91E-08	6.04E-08	2.14E-08	1.10E-09	1.91E-08	4.16E-08	5.29E-09	1.96E-10	6.25E-09	1.17E-08	4.10E-09	1.09E-10	2.85E-09	7.06E-09
380	565353.6	4222076	4.022E-08	1.00E-09	1.91E-08	6.03E-08	2.13E-08	1.10E-09	1.91E-08	4.15E-08	5.28E-09	1.96E-10	6.23E-09	1.17E-08	4.09E-09	1.09E-10	2.84E-09	7.04E-09
381	565343.7	4222076	4.015E-08	1.00E-09	1.90E-08	6.02E-08	2.13E-08	1.10E-09	1.90E-08	4.14E-08	5.27E-09	1.96E-10	6.22E-09	1.17E-08	4.08E-09	1.09E-10	2.84E-09	7.03E-09
382	565333.8	4222076	4.012E-08	1.00E-09	1.90E-08	6.01E-08	2.13E-08	1.10E-09	1.90E-08	4.14E-08	5.27E-09	1.96E-10	6.22E-09	1.17E-08	4.08E-09	1.09E-10	2.84E-09	7.02E-09
383	565323.9	4222076	4.01E-08	1.00E-09	1.90E-08	6.01E-08	2.13E-08	1.10E-09	1.90E-08	4.14E-08	5.27E-09	1.96E-10	6.22E-09	1.17E-08	4.08E-09	1.09E-10	2.84E-09	7.02E-09
384	565314	4222076	4.01E-08	1.00E-09	1.90E-08	6.01E-08	2.13E-08	1.10E-09	1.90E-08	4.14E-08	5.27E-09	1.96E-10	6.22E-09	1.17E-08	4.08E-09	1.09E-10	2.84E-09	7.02E-09
385	565304.1	4222076	4.012E-08	1.00E-09	1.90E-08	6.01E-08	2.13E-08	1.10E-09	1.90E-08	4.14E-08	5.27E-09	1.96E-10	6.22E-09	1.17E-08	4.08E-09	1.09E-10	2.84E-09	7.02E-09
386	565294.2	4222076	4.015E-08	1.00E-09	1.90E-08	6.02E-08	2.13E-08	1.10E-09	1.90E-08	4.14E-08	5.27E-09	1.96E-10	6.22E-09	1.17E-08	4.08E-09	1.09E-10	2.84E-09	7.03E-09
387	565284.3	4222076	4.018E-08	1.00E-09	1.90E-08	6.02E-08	2.13E-08	1.10E-09	1.90E-08	4.14E-08	5.28E-09	1.96E-10	6.23E-09	1.17E-08	4.08E-09	1.09E-10	2.84E-09	7.03E-09
388	565538.6	4222081	4.391E-08	1.00E-09	2.08E-08	6.57E-08	2.33E-08	1.10E-09	2.08E-08	4.52E-08	5.77E-09	1.96E-10	6.81E-09	1.28E-08	4.46E-09	1.09E-10	3.11E-09	7.68E-09
389	565556.8	4222088	4.607E-08	1.00E-09	2.18E-08	6.89E-08	2.44E-08	1.10E-09	2.18E-08	4.74E-08	6.05E-09	1.96E-10	7.14E-09	1.34E-08	4.68E-09	1.09E-10	3.26E-09	8.05E-09
390	565502.2	4222066	3.938E-08	1.00E-09	1.87E-08	5.90E-08	2.09E-08	1.10E-09	1.87E-08	4.06E-08	5.17E-09	1.96E-10	6.10E-09	1.15E-08	4.00E-09	1.09E-10	2.79E-09	6.90E-09
391	565492.3	4222066	3.929E-08	1.00E-09	1.86E-08	5.89E-08	2.08E-08	1.10E-09	1.86E-08	4.05E-08	5.16E-09	1.96E-10	6.09E-09	1.14E-08	3.99E-09	1.09E-10	2.78E-09	6.88E-09
392	565482.4	4222066	3.917E-08	1.00E-09	1.86E-08	5.87E-08	2.08E-08	1.10E-09	1.86E-08	4.04E-08	5.14E-09	1.96E-10	6.07E-09	1.14E-08	3.98E-09	1.09E-10	2.77E-09	6.86E-09
393	565472.5	4222066	3.903E-08	1.00E-09	1.85E-08	5.85E-08	2.07E-08	1.10E-09	1.85E-08	4.03E-08	5.13E-09	1.96E-10	6.05E-09	1.14E-08	3.97E-09	1.09E-10	2.76E-09	6.84E-09
394	565462.6	4222066	3.888E-08	1.00E-09	1.84E-08	5.83E-08	2.06E-08	1.10E-09	1.84E-08	4.01E-08	5.11E-09	1.96E-10	6.03E-09	1.13E-08	3.95E-09	1.09E-10	2.75E-09	6.81E-09
395	565452.7	4222066	3.872E-08	1.00E-09	1.83E-08	5.81E-08	2.05E-08	1.10E-09	1.83E-08	4.00E-08	5.09E-09	1.96E-10	6.00E-09	1.13E-08	3.94E-09	1.09E-10	2.74E-09	6.78E-09
396	565442.8	4222066	3.856E-08	1.00E-09	1.83E-08	5.78E-08	2.04E-08	1.10E-09	1.83E-08	3.98E-08	5.06E-09	1.96E-10	5.98E-09	1.12E-08	3.92E-09	1.09E-10	2.73E-09	6.75E-09
397	565432.9	4222066	3.839E-08	1.00E-09	1.82E-08	5.76E-08	2.04E-08	1.10E-09	1.82E-08	3.96E-08	5.04E-09	1.96E-10	5.95E-09	1.12E-08	3.90E-09	1.09E-10	2.72E-09	6.73E-09
398	565423	4222066	3.821E-08	1.00E-09	1.81E-08	5.73E-08	2.03E-08	1.10E-09	1.81E-08	3.95E-08	5.02E-09	1.96E-10	5.92E-09	1.11E-08	3.88E-09	1.09E-10	2.70E-09	6.70E-09
399	565413.1	4222066	3.804E-08	1.00E-09	1.80E-08	5.71E-08	2.02E-08	1.10E-09	1.80E-08	3.93E-08	5.00E-09	1.96E-10	5.90E-09	1.11E-08	3.87E-09	1.09E-10	2.69E-09	6.67E-09
400	565403.1	4222066	3.787E-08	1.00E-09	1.79E-08	5.68E-08	2.01E-08	1.10E-09	1.79E-08	3.91E-08	4.97E-09	1.96E-10	5.87E-09	1.10E-08	3.85E-09	1.09E-10	2.68E-09	6.64E-09
401	565393.2	4222066	3.774E-08	1.00E-09	1.79E-08	5.66E-08	2.00E-08	1.10E-09	1.79E-08	3.90E-08	4.96E-09	1.96E-10	5.85E-09	1.10E-08	3.84E-09	1.09E-10	2.67E-09	6.61E-09
402	565383.3	4222066	3.763E-08	1.00E-09	1.78E-08	5.65E-08	2.00E-08	1.10E-09	1.78E-08	3.89E-08	4.94E-09	1.96E-10	5.83E-09	1.10E-08	3.82E-09	1.09E-10	2.66E-09	6.59E-09
403	565373.4	4222066	3.754E-08	1.00E-09	1.78E-08	5.63E-08	1.99E-08	1.10E-09	1.78E-08	3.88E-08	4.93E-09	1.96E-10	5.82E-09	1.09E-08	3.81E-09	1.09E-10	2.65E-09	6.58E-09
404	565363.5	4222066	3.743E-08	1.00E-09	1.77E-08	5.62E-08	1.98E-08	1.10E-09	1.77E-08	3.87E-08	4.92E-09	1.96E-10	5.80E-09	1.09E-08	3.80E-09	1.09E-10	2.65E-09	6.56E-09
405	565353.6	4222066	3.735E-08	1.00E-09	1.77E-08	5.60E-08	1.98E-08	1.10E-09	1.77E-08	3.86E-08	4.90E-09	1.96E-10	5.79E-09	1.09E-08	3.80E-09	1.09E-10	2.64E-09	6.55E-09
406	565343.7	4222066	3.727E-08	1.00E-09	1.77E-08	5.59E-08	1.98E-08	1.10E-09	1.77E-08	3.85E-08	4.90E-09	1.96E-10	5.78E-09	1.09E-08	3.79E-09	1.09E-10	2.64E-09	6.53E-09
407	565333.8	4222066	3.725E-08	1.00E-09	1.76E-08	5.59E-08	1.98E-08	1.10E-09	1.76E-08	3.85E-08	4.89E-09	1.96E-10	5.77E-09	1.09E-08	3.79E-09	1.09E-10	2.63E-09	6.53E-09
408	565323.9	4222066	3.725E-08	1.00E-09	1.76E-08	5.59E-08	1.97E-08	1.10E-09	1.76E-08	3.85E-08	4.89E-09	1.96E-10	5.77E-09	1.09E-08	3.79E-09	1.09E-10	2.63E-09	6.53E-09
409	565314	4222066	3.726E-08	1.00E-09	1.77E-08	5.59E-08	1.98E-08	1.10E-09	1.77E-08	3.85E-08	4.89E-09	1.96E-10	5.78E-09	1.09E-08	3.79E-09	1.09E-10	2.64E-09	6.53E-09
410	565304.1	4222066	3.728E-08	1.00E-09	1.77E-08	5.60E-08	1.98E-08	1.10E-09	1.77E-08	3.85E-08	4.90E-09	1.96E-10	5.78E-09	1.09E-08	3.79E-09	1.09E-10	2.64E-09	6.53E-09
411	565294.2	4222066	3.732E-08	1.00E-09	1.77E-08	5.60E-08	1.98E-08	1.10E-09	1.77E-08	3.86E-08	4.90E-09	1.96E-10	5.78E-09	1.09E-08	3.79E-09	1.09E-10	2.64E-09	6.54E-09
412	565284.3	4222066	3.735E-08	1.00E-09	1.77E-08	5.61E-08	1.98E-08	1.10E-09	1.77E-08	3.86E-08	4.91E-09	1.96E-10	5.79E-09	1.09E-08	3.80E-09	1.09E-10	2.64E-09	6.55E-09
413	565538	4222071	4.085E-08	1.00E-09	1.94E-08	6.12E-08	2.17E-08	1.10E-09	1.94E-08	4.21E-08	5.36E-09	1.96E-10	6.33E-09	1.19E-08	4.15E-09	1.09E-10	2.89E-09	7.15E-09
414	565546.9	4222074	4.185E-08	1.00E-09	1.98E-08	6.27E-08	2.22E-08	1.10E-09	1.98E-08	4.31E-08	5.50E-09	1.96E-10	6.49E-09	1.22E-08	4.25E-09	1.09E-10	2.96E-09	7.32E-09
415	565555.9	4222078	4.282E-08	1.00E-09	2.03E-08	6.41E-08	2.27E-08	1.10E-09	2.03E-08	4.41E-08	5.62E-09	1.96E-10	6.64E-09	1.25E-08	4.35E-09	1.09E-10	3.03E-09	7.49E-09
416	565564.8	4222082	4.376E-08	1.00E-09	2.07E-08	6.55E-08	2.32E-08	1.10E-09	2.07E-08	4.50E-08	5.75E-09	1.96E-10	6.78E-09	1.27E-08	4.45E-09	1.09E-10	3.09E-09	7.65E-09
417	565502.2	4222056	3.677E-08	1.00E-09	1.74E-08	5.52E-08	1.95E-08	1.10E-09	1.74E-08	3.80E-08	4.83E-09	1.96E-10	5.70E-09	1.07E-08	3.74E-09	1.09E-10	2.60E-09	6.45E-09
418	565492.3	4222056	3.667E-08	1.00E-09	1.74E-08	5.50E-08	1.94E-08	1.10E-09	1.74E-08	3.79E-08	4.82E-09	1.96E-10	5.68E-09	1.07E-08	3.73E-09	1.09E-10	2.59E-09	6.43E-09
419	565482.4	4222056	3.655E-08	1.00E-09	1.73E-08	5.49E-08	1.94E-08	1.10E-09	1.73E-08	3.78E-08	4.80E-09	1.96E-10	5.67E-09	1.07E-08	3.71E-09	1.09E-10	2.58E-09	6.41E-09
420	565472.5	4222056	3.641E-08	1.00E-09	1.73E-08	5.47E-08	1.93E-08	1.10E-09	1.73E-08	3.77E-08	4.78E-09	1.96E-10	5.64E-09	1.06E-08	3.70E-09	1.09E-10	2.58E-09	6.38E-09
421	565462.6	4222056	3.626E-08	1.00E-09	1.72E-08	5.44E-08	1.92E-08	1.10E-09	1.72E-08	3.75E-08	4.76E-09	1.96E-10	5.62E-09	1.06E-08	3.69E-09	1.09E-10	2.56E-09	6.36E-09
422	565452.6	4222056	3.61E-08	1.00E-09	1.71E-08	5.42E-08	1.91E-08	1.10E-09	1.71E-08	3.73E-08	4.74E-09	1.96E-10	5.60E-09	1.05E-08	3.67E-09	1.09E-10	2.55E-09	6.33E-09
423	565442.7	4222056	3.594E-08	1.00E-09	1.70E-08	5.40E-08	1.91E-08	1.10E-09	1.70E-08	3.72E-08	4.72E-09	1.96E-10	5.57E-09	1.05E-08	3.65E-09	1.09E-10	2.54E-09	6.30E-09
424	565432.8	4222056	3.578E-08	1.00E-09	1.70E-08	5.37E-08	1.90E-08	1.10E-09	1.70E-08	3.70E-08	4.70E-09	1.96E-10	5.55E-09	1.04E-08	3.64E-09	1.09E-10	2.53E-09	6.28E-09
425	565422.9	4222056	3.561E-08	1.00E-09	1.69E-08	5.35E-08	1.89E-08	1.10E-09	1.69E-08	3.69E-08	4.68E-09	1.96E-10	5.52E-09	1.04E-08	3.62E-09	1.09E-10	2.52E-09	6.25E-09
426	565413	4222056	3.545E-08	1.00E-09	1.68E-08	5.33E-08	1.88E-08	1.10E-09	1.68E-08	3.67E-08	4.66E-09	1.96E-10	5.50E-09	1.03E-08	3.60E-09	1.09E-10	2.51E-09	6.22E-09
427	565403.1	4222056	3.531E-08	1.00E-09	1.67E-08	5.30E-08	1.87E-08	1.10E-09	1.67E-08	3.65E-08	4.64E-09	1.96E-10	5.47E-09	1.03E-08	3.59E-09	1.09E-10	2.50E-09	6.19E-09
428	565393.2	4222056	3.519E-08	1.00E-09	1.67E-08	5.29E-08	1.87E-08	1.10E-09	1.67E-08	3.64E-08	4.62E-09	1.96E-10	5.45E-09	1.03E-08	3.58E-09	1.09E-10	2.49E-09	6.17E-09
429	565383.3	4222056	3.508E-08	1.00E-09	1.66E-08	5.27E-08	1.86E-08	1.10E-09	1.66E-08	3.63E-08	4.61E-09	1.96E-10	5.44E-09	1.02E-08	3.57E-09	1.09E-10	2.48E-09	6.16E-09
430	565373.4	4222056	3.499E-08	1.00E-09	1.66E-08	5.26E-08	1.86E-08	1.10E-09	1.66E-08	3.62E-08	4.60E-09	1.96E-10	5.42E-09	1.02E-08	3.56E-09	1.09E-10	2.47E-09	6.14E-09
431	565363.5	4222056	3.49E-08	1.00E-09	1.65E-08	5.24E-08	1.85E-08	1.10E-09	1.65E-08	3.61E-08	4.58E-09	1.96E-10	5.41E-09	1.02E-08	3.55E-09	1.09E-10	2.47E-09	6.12E-09
432	565353.6	4222056	3.483E-08	1.00E-09	1.65E-08	5.23E-08	1.85E-08	1.10E-09	1.65E-08	3.61E-08	4.57E-09	1.96E-10	5.40E-09	1.02E-08	3.54E-09	1.09E-10	2.46E-09	6.11E-09
433	565343.7	4222056	3.477E-08	1.00E-09	1.65E-08	5.23E-08	1.84E-08	1.10E-09	1.65E-08	3.60E-08	4.57E-09	1.96E-10	5.39E-09	1.02E-08	3.53E-09	1.09E-10	2.46E-09	6.10E-09
434	565333.8	4222056	3.474E-08	1.00E-09	1.65E-08	5.22E-08	1.84E-08	1.10E-09	1.65E-08	3.60E-08	4.56E-09	1.96E-10	5.39E-09	1.01E-08	3.53E-09	1.09E-10	2.46E-09	6.10E-09
435	565323.9	4222056	3.473E-08	1.00E-09	1.65E-08	5.22E-08	1.84E-08	1.10E-09	1.65E-08	3.60E-08	4.56E-09	1.96E-10	5.38E-09	1.01E-08	3.53E-09	1.09E-10	2.46E-09	6.10E-09
436	565314	4222056	3.474E-08	1.00E-09	1.65E-08	5.22E-08	1.84E-08	1.10E-09	1.65E-08	3.60E-08	4.56E-09	1.96E-10	5.38E-09	1.01E-08	3.53E-09	1.09E-10	2.46E-09	6.10E-09
437	565304.1	4222056	3.476E-08	1.00E-09	1.65E-08	5.22E-08	1.84E-08	1.10E-09	1.65E-08	3.60E-08	4.56E-09	1.96E-10	5.39E-09	1.01E-08	3.53E-09	1.09E-10	2.46E-09	6.10E-09
438	565294.2	4222056	3.479E-08	1.00E-09	1.65E-08	5.23E-08	1.84E-08	1.10E-09	1.65E-08	3.60E-08	4.57E-09	1.96E-10	5.39E-09	1.02E-08	3.54E-09	1.09E-10	2.46E-09	6.11E-09
439	565284.3	4222056	3.483E-08	1.00E-09	1.65E-08	5.23E-08	1.85E-08	1.10E-09	1.65E-08	3.61E-08	4.57E-09	1.96E-10	5.40E-09	1.02E-08	3.54E-09	1.09E-10	2.46E-09	6.11E-09
440	565537.4	4222060	3.81E-08	1.00E-09	1.81E-08	5.72E-08	2.02E-08	1.10E-09	1.81E-08	3.94E-08	5.00E-09	1.96E-10	5.91E-09	1.11E-08	3.87E-09	1.09E-10	2.69E-09	6.68E-09
441	565546.2	4222064	3.901E-08	1.00E-09	1.85E-08	5.85E-08	2.07E-08	1.10E-09	1.85E-08	4.03E-08	5.12E-09	1.96E-10	6.05E-09	1.14E-08	3.96E-09	1.09E-10	2.76E-09	6.83E-09
442	565555.1	4222068	3.991E-08	1.00E-09	1.89E-08	5.98E-08	2.12E-08	1.10E-09	1.89E-08	4.12E-08	5.24E-09	1.96E-10	6.19E-09	1.16E-08	4.06E-09	1.09E-10	2.82E-09	6.99E-09
443	565563.9	4222071	4.078E-08	1.00E-09	1.93E-08	6.11E-08	2.16E-08	1.10E-09	1.93E-08	4.20E-08	5.36E-09	1.96E-10	6.32E-09	1.19E-08	4.14E-09	1.09E-10	2.88E-09	7.14E-09
444	565502.2	4222046	3.442E-08	1.00E-09	1.63E-08	5.17E-08	1.82E-08	1.10E-09	1.63E-08	3.57E-08	4.52E-09	1.96E-10	5.33E-09	1.01E-08	3.50E-09	1.09E-10	2.43E-09	6.04E-09
445	565492.2	4222046	3.431E-08	1.00E-09	1.63E-08	5.16E-08	1.82E-08	1.10E-09	1.63E-08	3.55E-08	4.51E-09	1.96E-10	5.32E-09	1.00E-08	3.49E-09	1.09E-10	2.43E-09	6.02E-09

446	565482.3	4222046	3.419E-08	1.00E-09	1.62E-08	5.14E-08	1.81E-08	1.10E-09	1.62E-08	3.54E-08	4.49E-09	1.96E-10	5.30E-09	9.99E-09	3.47E-09	1.09E-10	2.42E-09	6.00E-09
447	565472.4	4222046	3.406E-08	1.00E-09	1.61E-08	5.12E-08	1.81E-08	1.10E-09	1.61E-08	3.53E-08	4.47E-09	1.96E-10	5.28E-09	9.95E-09	3.46E-09	1.09E-10	2.41E-09	5.98E-09
448	565462.5	4222046	3.392E-08	1.00E-09	1.61E-08	5.10E-08	1.80E-08	1.10E-09	1.61E-08	3.52E-08	4.45E-09	1.96E-10	5.26E-09	9.91E-09	3.45E-09	1.09E-10	2.40E-09	5.95E-09
449	565452.6	4222046	3.376E-08	1.00E-09	1.60E-08	5.08E-08	1.79E-08	1.10E-09	1.60E-08	3.50E-08	4.43E-09	1.96E-10	5.23E-09	9.86E-09	3.43E-09	1.09E-10	2.39E-09	5.93E-09
450	565442.7	4222046	3.36E-08	1.00E-09	1.59E-08	5.05E-08	1.78E-08	1.10E-09	1.59E-08	3.48E-08	4.41E-09	1.96E-10	5.21E-09	9.82E-09	3.41E-09	1.09E-10	2.38E-09	5.90E-09
451	565432.8	4222046	3.344E-08	1.00E-09	1.58E-08	5.03E-08	1.77E-08	1.10E-09	1.58E-08	3.47E-08	4.39E-09	1.96E-10	5.18E-09	9.77E-09	3.40E-09	1.09E-10	2.36E-09	5.87E-09
452	565422.9	4222046	3.329E-08	1.00E-09	1.58E-08	5.01E-08	1.77E-08	1.10E-09	1.58E-08	3.45E-08	4.37E-09	1.96E-10	5.16E-09	9.73E-09	3.38E-09	1.09E-10	2.35E-09	5.85E-09
453	565413	4222046	3.315E-08	1.00E-09	1.57E-08	4.99E-08	1.76E-08	1.10E-09	1.57E-08	3.44E-08	4.35E-09	1.96E-10	5.14E-09	9.69E-09	3.37E-09	1.09E-10	2.34E-09	5.82E-09
454	565403.1	4222046	3.302E-08	1.00E-09	1.56E-08	4.97E-08	1.75E-08	1.10E-09	1.56E-08	3.42E-08	4.34E-09	1.96E-10	5.12E-09	9.65E-09	3.36E-09	1.09E-10	2.33E-09	5.80E-09
455	565393.2	4222046	3.29E-08	1.00E-09	1.56E-08	4.95E-08	1.74E-08	1.10E-09	1.56E-08	3.41E-08	4.32E-09	1.96E-10	5.10E-09	9.62E-09	3.34E-09	1.09E-10	2.33E-09	5.78E-09
456	565383.3	4222046	3.28E-08	1.00E-09	1.55E-08	4.93E-08	1.74E-08	1.10E-09	1.55E-08	3.40E-08	4.31E-09	1.96E-10	5.09E-09	9.59E-09	3.33E-09	1.09E-10	2.32E-09	5.76E-09
457	565373.4	4222046	3.272E-08	1.00E-09	1.55E-08	4.92E-08	1.73E-08	1.10E-09	1.55E-08	3.39E-08	4.30E-09	1.96E-10	5.07E-09	9.56E-09	3.32E-09	1.09E-10	2.31E-09	5.75E-09
458	565363.5	4222046	3.264E-08	1.00E-09	1.55E-08	4.91E-08	1.73E-08	1.10E-09	1.55E-08	3.39E-08	4.29E-09	1.96E-10	5.06E-09	9.54E-09	3.32E-09	1.09E-10	2.31E-09	5.73E-09
459	565353.6	4222046	3.258E-08	1.00E-09	1.54E-08	4.90E-08	1.73E-08	1.10E-09	1.54E-08	3.38E-08	4.28E-09	1.96E-10	5.05E-09	9.53E-09	3.31E-09	1.09E-10	2.30E-09	5.72E-09
460	565343.7	4222046	3.254E-08	1.00E-09	1.54E-08	4.90E-08	1.73E-08	1.10E-09	1.54E-08	3.38E-08	4.27E-09	1.96E-10	5.04E-09	9.51E-09	3.31E-09	1.09E-10	2.30E-09	5.72E-09
461	565333.8	4222046	3.25E-08	1.00E-09	1.54E-08	4.89E-08	1.72E-08	1.10E-09	1.54E-08	3.37E-08	4.27E-09	1.96E-10	5.04E-09	9.50E-09	3.30E-09	1.09E-10	2.30E-09	5.71E-09
462	565323.9	4222046	3.248E-08	1.00E-09	1.54E-08	4.89E-08	1.72E-08	1.10E-09	1.54E-08	3.37E-08	4.27E-09	1.96E-10	5.04E-09	9.50E-09	3.30E-09	1.09E-10	2.30E-09	5.71E-09
463	565314	4222046	3.248E-08	1.00E-09	1.54E-08	4.89E-08	1.72E-08	1.10E-09	1.54E-08	3.37E-08	4.27E-09	1.96E-10	5.03E-09	9.50E-09	3.30E-09	1.09E-10	2.30E-09	5.71E-09
464	565304.1	4222046	3.25E-08	1.00E-09	1.54E-08	4.89E-08	1.72E-08	1.10E-09	1.54E-08	3.37E-08	4.27E-09	1.96E-10	5.04E-09	9.50E-09	3.30E-09	1.09E-10	2.30E-09	5.71E-09
465	565294.1	4222046	3.253E-08	1.00E-09	1.54E-08	4.89E-08	1.72E-08	1.10E-09	1.54E-08	3.38E-08	4.27E-09	1.96E-10	5.04E-09	9.51E-09	3.31E-09	1.09E-10	2.30E-09	5.72E-09
466	565284.2	4222046	3.257E-08	1.00E-09	1.54E-08	4.90E-08	1.73E-08	1.10E-09	1.54E-08	3.38E-08	4.28E-09	1.96E-10	5.05E-09	9.52E-09	3.31E-09	1.09E-10	2.30E-09	5.72E-09
467	565536.9	4222050	3.564E-08	1.00E-09	1.69E-08	5.35E-08	1.89E-08	1.10E-09	1.69E-08	3.69E-08	4.68E-09	1.96E-10	5.52E-09	1.04E-08	3.62E-09	1.09E-10	2.52E-09	6.25E-09
468	565545.6	4222054	3.647E-08	1.00E-09	1.73E-08	5.48E-08	1.93E-08	1.10E-09	1.73E-08	3.77E-08	4.79E-09	1.96E-10	5.65E-09	1.06E-08	3.71E-09	1.09E-10	2.58E-09	6.39E-09
469	565554.4	4222058	3.729E-08	1.00E-09	1.77E-08	5.60E-08	1.98E-08	1.10E-09	1.77E-08	3.85E-08	4.90E-09	1.96E-10	5.78E-09	1.09E-08	3.79E-09	1.09E-10	2.64E-09	6.54E-09
470	565563.1	4222061	3.809E-08	1.00E-09	1.80E-08	5.71E-08	2.02E-08	1.10E-09	1.80E-08	3.93E-08	5.00E-09	1.96E-10	5.91E-09	1.11E-08	3.87E-09	1.09E-10	2.69E-09	6.67E-09
471	565502.1	4222036	3.23E-08	1.00E-09	1.53E-08	4.86E-08	1.71E-08	1.10E-09	1.53E-08	3.35E-08	4.24E-09	1.96E-10	5.01E-09	9.44E-09	3.28E-09	1.09E-10	2.28E-09	5.68E-09
472	565492.2	4222036	3.219E-08	1.00E-09	1.53E-08	4.84E-08	1.71E-08	1.10E-09	1.53E-08	3.34E-08	4.23E-09	1.96E-10	4.99E-09	9.41E-09	3.27E-09	1.09E-10	2.28E-09	5.66E-09
473	565482.3	4222036	3.207E-08	1.00E-09	1.52E-08	4.83E-08	1.70E-08	1.10E-09	1.52E-08	3.33E-08	4.21E-09	1.96E-10	4.97E-09	9.38E-09	3.26E-09	1.09E-10	2.27E-09	5.64E-09
474	565472.4	4222036	3.194E-08	1.00E-09	1.51E-08	4.81E-08	1.69E-08	1.10E-09	1.51E-08	3.32E-08	4.20E-09	1.96E-10	4.95E-09	9.34E-09	3.25E-09	1.09E-10	2.26E-09	5.61E-09
475	565462.5	4222036	3.181E-08	1.00E-09	1.51E-08	4.79E-08	1.69E-08	1.10E-09	1.51E-08	3.30E-08	4.18E-09	1.96E-10	4.93E-09	9.30E-09	3.23E-09	1.09E-10	2.25E-09	5.59E-09
476	565452.6	4222036	3.165E-08	1.00E-09	1.50E-08	4.77E-08	1.68E-08	1.10E-09	1.50E-08	3.29E-08	4.16E-09	1.96E-10	4.91E-09	9.26E-09	3.22E-09	1.09E-10	2.24E-09	5.56E-09
477	565442.7	4222036	3.15E-08	1.00E-09	1.49E-08	4.74E-08	1.67E-08	1.10E-09	1.49E-08	3.27E-08	4.14E-09	1.96E-10	4.88E-09	9.22E-09	3.20E-09	1.09E-10	2.23E-09	5.54E-09
478	565432.8	4222036	3.134E-08	1.00E-09	1.48E-08	4.72E-08	1.66E-08	1.10E-09	1.48E-08	3.26E-08	4.12E-09	1.96E-10	4.86E-09	9.17E-09	3.19E-09	1.09E-10	2.22E-09	5.51E-09
479	565422.9	4222036	3.121E-08	1.00E-09	1.48E-08	4.70E-08	1.65E-08	1.10E-09	1.48E-08	3.24E-08	4.10E-09	1.96E-10	4.84E-09	9.13E-09	3.17E-09	1.09E-10	2.21E-09	5.49E-09
480	565413	4222036	3.108E-08	1.00E-09	1.47E-08	4.68E-08	1.65E-08	1.10E-09	1.47E-08	3.23E-08	4.08E-09	1.96E-10	4.82E-09	9.10E-09	3.16E-09	1.09E-10	2.20E-09	5.47E-09
481	565403.1	4222036	3.096E-08	1.00E-09	1.47E-08	4.66E-08	1.64E-08	1.10E-09	1.47E-08	3.22E-08	4.07E-09	1.96E-10	4.80E-09	9.06E-09	3.15E-09	1.09E-10	2.19E-09	5.45E-09
482	565393.2	4222036	3.086E-08	1.00E-09	1.46E-08	4.65E-08	1.64E-08	1.10E-09	1.46E-08	3.21E-08	4.05E-09	1.96E-10	4.78E-09	9.03E-09	3.14E-09	1.09E-10	2.18E-09	5.43E-09
483	565383.3	4222036	3.076E-08	1.00E-09	1.46E-08	4.63E-08	1.63E-08	1.10E-09	1.46E-08	3.20E-08	4.04E-09	1.96E-10	4.77E-09	9.00E-09	3.13E-09	1.09E-10	2.18E-09	5.41E-09
484	565373.4	4222036	3.068E-08	1.00E-09	1.45E-08	4.62E-08	1.63E-08	1.10E-09	1.45E-08	3.19E-08	4.03E-09	1.96E-10	4.76E-09	8.98E-09	3.12E-09	1.09E-10	2.17E-09	5.40E-09
485	565363.5	4222036	3.061E-08	1.00E-09	1.45E-08	4.61E-08	1.62E-08	1.10E-09	1.45E-08	3.18E-08	4.02E-09	1.96E-10	4.75E-09	8.96E-09	3.11E-09	1.09E-10	2.16E-09	5.39E-09
486	565353.6	4222036	3.056E-08	1.00E-09	1.45E-08	4.60E-08	1.62E-08	1.10E-09	1.45E-08	3.18E-08	4.01E-09	1.96E-10	4.74E-09	8.95E-09	3.11E-09	1.09E-10	2.16E-09	5.38E-09
487	565343.7	4222036	3.053E-08	1.00E-09	1.45E-08	4.60E-08	1.62E-08	1.10E-09	1.45E-08	3.17E-08	4.01E-09	1.96E-10	4.73E-09	8.94E-09	3.10E-09	1.09E-10	2.16E-09	5.37E-09
488	565333.7	4222036	3.049E-08	1.00E-09	1.44E-08	4.59E-08	1.62E-08	1.10E-09	1.44E-08	3.17E-08	4.00E-09	1.96E-10	4.73E-09	8.93E-09	3.10E-09	1.09E-10	2.16E-09	5.36E-09
489	565323.8	4222037	3.046E-08	1.00E-09	1.44E-08	4.59E-08	1.62E-08	1.10E-09	1.44E-08	3.17E-08	4.00E-09	1.96E-10	4.72E-09	8.92E-09	3.10E-09	1.09E-10	2.15E-09	5.36E-09
490	565313.9	4222037	3.045E-08	1.00E-09	1.44E-08	4.59E-08	1.61E-08	1.10E-09	1.44E-08	3.17E-08	4.00E-09	1.96E-10	4.72E-09	8.92E-09	3.09E-09	1.09E-10	2.15E-09	5.36E-09
491	565304	4222037	3.047E-08	1.00E-09	1.44E-08	4.59E-08	1.62E-08	1.10E-09	1.44E-08	3.17E-08	4.00E-09	1.96E-10	4.72E-09	8.92E-09	3.10E-09	1.09E-10	2.15E-09	5.36E-09
492	565294.1	4222037	3.05E-08	1.00E-09	1.44E-08	4.60E-08	1.62E-08	1.10E-09	1.44E-08	3.17E-08	4.01E-09	1.96E-10	4.73E-09	8.93E-09	3.10E-09	1.09E-10	2.16E-09	5.37E-09
493	565284.2	4222037	3.054E-08	1.00E-09	1.45E-08	4.60E-08	1.62E-08	1.10E-09	1.45E-08	3.18E-08	4.01E-09	1.96E-10	4.73E-09	8.94E-09	3.10E-09	1.09E-10	2.16E-09	5.37E-09
494	565538.7	4222041	3.361E-08	1.00E-09	1.59E-08	5.05E-08	1.78E-08	1.10E-09	1.59E-08	3.48E-08	4.41E-09	1.96E-10	5.21E-09	9.82E-09	3.42E-09	1.09E-10	2.38E-09	5.90E-09
495	565547.8	4222045	3.441E-08	1.00E-09	1.63E-08	5.17E-08	1.82E-08	1.10E-09	1.63E-08	3.56E-08	4.52E-09	1.96E-10	5.33E-09	1.00E-08	3.50E-09	1.09E-10	2.43E-09	6.04E-09
496	565566.1	4222053	3.599E-08	1.00E-09	1.71E-08	5.40E-08	1.91E-08	1.10E-09	1.71E-08	3.72E-08	4.73E-09	1.96E-10	5.58E-09	1.05E-08	3.66E-09	1.09E-10	2.55E-09	6.31E-09
497	565502.1	4222026	3.038E-08	1.00E-09	1.44E-08	4.58E-08	1.61E-08	1.10E-09	1.44E-08	3.16E-08	3.99E-09	1.96E-10	4.71E-09	8.89E-09	3.09E-09	1.09E-10	2.15E-09	5.34E-09
498	565492.2	4222026	3.027E-08	1.00E-09	1.43E-08	4.56E-08	1.61E-08	1.10E-09	1.43E-08	3.15E-08	3.98E-09	1.96E-10	4.69E-09	8.86E-09	3.08E-09	1.09E-10	2.14E-09	5.33E-09
499	565482.3	4222026	3.015E-08	1.00E-09	1.43E-08	4.54E-08	1.60E-08	1.10E-09	1.43E-08	3.14E-08	3.96E-09	1.96E-10	4.67E-09	8.83E-09	3.06E-09	1.09E-10	2.13E-09	5.31E-09
500	565472.4	4222026	3.002E-08	1.00E-09	1.42E-08	4.53E-08	1.59E-08	1.10E-09	1.42E-08	3.12E-08	3.94E-09	1.96E-10	4.65E-09	8.79E-09	3.05E-09	1.09E-10	2.12E-09	5.28E-09
501	565462.5	4222026	2.989E-08	1.00E-09	1.42E-08	4.51E-08	1.58E-08	1.10E-09	1.42E-08	3.11E-08	3.93E-09	1.96E-10	4.63E-09	8.75E-09	3.04E-09	1.09E-10	2.11E-09	5.26E-09
502	565452.6	4222026	2.975E-08	1.00E-09	1.41E-08	4.48E-08	1.58E-08	1.10E-09	1.41E-08	3.10E-08	3.91E-09	1.96E-10	4.61E-09	8.71E-09	3.02E-09	1.09E-10	2.10E-09	5.24E-09
503	565442.7	4222026	2.961E-08	1.00E-09	1.40E-08	4.46E-08	1.57E-08	1.10E-09	1.40E-08	3.08E-08	3.89E-09	1.96E-10	4.59E-09	8.67E-09	3.01E-09	1.09E-10	2.09E-09	5.21E-09
504	565432.8	4222026	2.946E-08	1.00E-09	1.40E-08	4.44E-08	1.56E-08	1.10E-09	1.40E-08	3.07E-08	3.87E-09	1.96E-10	4.57E-09	8.63E-09	2.99E-09	1.09E-10	2.08E-09	5.19E-09
505	565422.9	4222026	2.934E-08	1.00E-09	1.39E-08	4.42E-08	1.56E-08	1.10E-09	1.39E-08	3.06E-08	3.85E-09	1.96E-10	4.55E-09	8.60E-09	2.98E-09	1.09E-10	2.07E-09	5.17E-09
506	565413	4222026	2.922E-08	1.00E-09	1.38E-08	4.41E-08	1.55E-08	1.10E-09	1.38E-08	3.04E-08	3.84E-09	1.96E-10	4.53E-09	8.56E-09	2.97E-09	1.09E-10	2.07E-09	5.14E-09
507	565403.1	4222027	2.911E-08	1.00E-09	1.38E-08	4.39E-08	1.54E-08	1.10E-09	1.38E-08	3.03E-08	3.82E-09	1.96E-10	4.51E-09	8.53E-09	2.96E-09	1.09E-10	2.06E-09	5.13E-09
508	565393.2	4222027	2.901E-08	1.00E-09	1.37E-08	4.38E-08	1.54E-08	1.10E-09	1.37E-08	3.02E-08	3.81E-09	1.96E-10	4.50E-09	8.50E-09	2.95E-09	1.09E-10	2.05E-09	5.11E-09
509	565383.2	4222027	2.892E-08	1.00E-09	1.37E-08	4.36E-08	1.53E-08	1.10E-09	1.37E-08	3.01E-08	3.80E-09	1.96E-10	4.48E-09	8.48E-09	2.94E-09	1.09E-10	2.05E-09	5.09E-09
510	565373.3	4222027	2.884E-08	1.00E-09	1.37E-08	4.35E-08	1.53E-08	1.10E-09	1.37E-08	3.01E-08	3.79E-09	1.96E-10	4.47E-09	8.46E-09	2.93E-09	1.09E-10	2.04E-09	5.08E-09
511	565363.4	4222027	2.877E-08	1.00E-09	1.36E-08	4.34E-08	1.53E-08	1.10E-09	1.36E-08	3.00E-08	3.78E-09	1.96E-10	4.46E-09	8.44E-09	2.92E-09	1.09E-10	2.03E-09	5.07E-09
512	565353.5	4222027	2.872E-08	1.00E-09	1.36E-08	4.33E-08	1.52E-08	1.10E-09	1.36E-08	2.99E-08	3.77E-09	1.96E-10	4.45E-09	8.42E-09	2.92E-09	1.09E-10	2.03E-09	5.06E-09
513	565343.6	4222027	2.868E-08	1.00E-09	1.36E-08	4.33E-08	1.52E-08	1.10E-09	1.36E-08	2.99E-08	3.77E-09	1.96E-10	4.45E-09	8.41E-09	2.91E-09	1.09E-10	2.03E-09	5.05E-09
514	565333.7	4222027	2.865E-08	1.00E-09	1.36E-08	4.32E-08	1.52E-08	1.10E-09	1.36E-08	2.99E-08	3.76E-09	1.96E-10	4.44E-09	8.40E-09	2.91E-09	1.09E-10	2.03E-09	5.05E-09
515	565323.8	4222027	2.863E-08	1.00E-09	1.36E-08	4.32E-08	1.52E-08	1.10E-09	1.36E-08	2.98E-08	3.76E-09	1.96E-10	4.44E-09	8.39E-09	2.91E-09	1.09E-10	2.02E-09	5.04E-09
516	565313.9	4222027	2.862E-08	1.00E-09	1.36E-08	4.32E-08	1.52E-08	1.10E-09	1.36E-08	2.98E-08	3.76E-09	1.96E-10	4.44E-09	8.39E-09	2.91E-09	1.09E-10	2.02E-09	5.04E-09
517	565304	4222027	2.864E-08	1.00E-09	1.36E-08	4.32E-08	1.52E-08	1.10E-09	1.36E-08	2.99E-08	3.76E-09	1.96E-10	4.44E-09	8.40E-09	2.91E-09	1.09E-10	2.03E-09	5.04E-09
518	565294.1	4222027	2.867E-08	1.00E-09	1.36E-08	4.33E-08	1.52E-08	1.10E-09	1.36E-08	2.99E-08	3.76E-09	1.96E-10	4.44E-09	8.40E-09	2.91E-09	1.09E-10	2.03E-09	5.05E-09
519	565284.2	4222027	2.87E-08	1.00E-09	1.36E-08	4.33E-08	1.52E-08	1.10E-09	1.36E-08	2.99E-08	3.77E-09	1.96E-10	4.45E-09	8.42E-09	2.92E-09	1.09E-10	2.03E-09	5.06E-09
520	565538.1	4222031	3.157E-08	1.00E-09	1.50E-08	4.75E-08	1.67E-08	1.10E-09	1.50E-08	3.28E-08	4.15E-09	1.96E-10	4.89E-09	9.24E-09	3.21E-09	1.09E-10	2.23E-09	5.55E-09
521	565547.1	4222035	3.23E-08	1.00E-09	1.53E-08	4.86E-08	1.71E-08	1.10E-09	1.53E-08	3.35E-08	4.24E-09	1.96E-10	5.01E-09	9.45E-09	3.28E-09	1.09E-10	2.28E-09	5.68E-09
522	565556.2	4222039	3.303E-08	1.00E-09	1.57E-08	4.97E-08	1.75E-08	1.10E-09	1.57E-08	3.43E-08	4.34E-09	1.96E-10	5.12E-09	9.66E-09	3.36E-09	1.09E-10	2.34E-09	5.80E-09
523	565565.2	4222042	3.375E-08	1.00E-09	1.60E-08	5.07E-08	1.79E-08	1.10E-09	1.60E-08	3.50E-08	4.43E-09	1.96E-10	5.23E-09	9.86E-09	3.43E-09	1.09E-10	2.39E-09	5.93E-09
524	565502.1	4222016	2.863E-08	1.00E-09	1.36E-08	4.32E-08	1.52E-08	1.10E-09	1.36E-08	2.98E-08	3.76E-09	1.96E-10	4.44E-09	8.40E-09	2.91E-09	1.09E-10	2.02E-09	5.04E-09
525	565492.2	4222016	2.853E-08	1.00E-09	1.35E-08	4.31E-08	1.51E-08	1.10E-09	1.35E-08	2.97E-08	3.75E-09	1.96E-10	4.42E-09	8.37E-09	2.90E-09	1.09E-10	2.02E-09	5.03E-09
526	565482.3	4222016	2.841E-08	1.00E-09	1.35E-08	4.29E-08	1.51E-08	1.10E-09	1.35E-08	2.96E-08	3.73E-09	1.96E-10	4.40E-09	8.33E-09	2.89E-09	1.09E-10	2.01E-09	5.01E-09
527	565472.4	4222017	2.828E-08	1.00E-09	1.34E-08	4.27E-08	1.50E-08	1.10E-09	1.34E-08	2.95E-08	3.71E-09	1.96E-10	4.38E-09	8.29E-09	2.87E-09	1.09E-10	2.00E-09	4.98E-09
528	565462.5	4222017	2.815E-08	1.00E-09	1.33E-08	4.25E-08	1.49E-08	1.10E-09	1.33E-08	2.94E-08	3.70E-09	1.96E-10	4.36E-09	8.26E-09	2.86E-09	1.09E-10	1.99E-09	4.96E-09
529	565452.6	4222017	2.802E-08	1.00E-09	1.33E-08	4.23E-08	1.49E-08	1.10E-09	1.33E-08	2.92E-08	3.68E-09	1.96E-10	4.34E-09	8.22E-09	2.85E-09	1.09E-10	1.98E-09	4.94E-09
530	565442.7	4222017	2.789E-08	1.00E-09	1.32E-08	4.21E-08	1.48E-08	1.10E-09	1.32E-08	2.91E-08	3.66E-09	1.96E-10	4.32E-09	8.18E-09	2.83E-09	1.09E-10	1.97E-09	4.92E-09
531	565432.8	4222017	2.777E-08	1.00E-09	1.32E-08	4.19E-08	1.47E-08	1.10E-09	1.32E-08	2.90E-08	3.65E-09	1.96E-10	4.30E-09	8.15E-09	2.82E-09	1.09E-10	1.96E-09	4.89E-09
532	565422.8	4222017	2.765E-08	1.00E-09	1.31E-08	4.17E-08	1.47E-08	1.10E-09	1.31E-08	2.89E-08	3.63E-09	1.96E-10	4.29E-09	8.11E-09	2.81E-09	1.09E-10	1.96E-09	4.87E-09
533	565412.9	4222017	2.754E-08	1.00E-09	1.30E-08	4.16E-08	1.46E-08	1.10E-09	1.30E-08	2.87E-08	3.62E-09	1.96E-10	4.27E-09	8.08E-09	2.80E-09	1.09E-10	1.95E-09	4.85E-09
534	565403	4222017	2.743E-08	1.00E-09	1.30E-08	4.14E-08	1.45E-08	1.10E-09	1.30E-08	2.86E-08	3.60E-09	1.96E-10	4.25E-09	8.05E-09	2.79E-09	1.09E-10	1.94E-09	4.84E-09
535	565393.1	4222017	2.734E-08	1.00E-09	1.30E-08	4.13E-08	1.45E-08	1.10E-09	1.30E-08	2.85E-08	3.59E-09	1.96E-10	4.24E-09	8.02E-09	2.78E-09	1.09E-10	1.93E-09	4.82E-09
536	565383.2	4222017	2.725E-08	1.00E-09	1.29E-08	4.12E-08	1.44E-08	1.10E-09	1.29E-08	2.85E-08	3.58E-09	1.96E-10	4.22E-09	8.00E-09	2.77E-09	1.09E-10	1.93E-09	4.81E-09
537	565373.3	4222017	2.718E-08	1.00E-09	1.29E-08	4.11E-08	1.44E-08	1.10E-09	1.29E-08	2.84E-08	3.57E-09	1.96E-10	4.21E-09	7.98E-09	2.76E-09	1.09E-10	1.92E-09	4.79E-09
538	565363.4	4222017	2.711E-08	1.00E-09	1.28E-08	4.10E-08	1.44E-08	1.10E-09	1.28E-08	2.83E-08	3.56E-09	1.96E-10	4.20E-09	7.96E-09	2.75E-09	1.09E-10	1.92E-09	4.78E-09
539	565353.5	4222017	2.705E-08	1.00E-09	1.28E-08	4.09E-08	1.43E-08	1.10E-09	1.28E-08	2.83E-08	3.55E-09	1.96E-10	4.19E-09	7.94E-09	2.75E-09	1.09E-10	1.91E-09	4.77E-09
540	565343.6	4222017	2.701E-08	1.00E-09	1.28E-08	4.08E-08	1.43E-08	1.10E-09	1.28E-08	2.82E-08	3.55E-09	1.96E-10	4.19E-09	7.93E-09	2.74E-09	1.09E-10	1.91E-09	4.76E-09
541	565333.7	4222017	2.698E-08	1.00E-09	1.28E-08	4.08E-08	1.43E-08	1.10E-09	1.28E-08	2.82E-08	3.54E-09	1.96E-10	4.18E-09	7.92E-09	2.74E-09	1.09E-10	1.91E-09	4.76E-09
542	565323.8	4222017	2.697E-08	1.00E-09	1.28E-08	4.07E-08	1.43E-08	1.10E-09	1.28E-08	2.82E-08	3.54E-09	1.96E-10	4.18E-09	7.92E-09	2.74E-09	1.09E-10	1.91E-09	4.76E-09
543	565313.9	4222017	2.697E-08	1.00E-09	1.28E-08	4.07E-08	1.43E-08	1.10E-09	1.28E-08	2.82E-08	3.54E-09	1.96E-10	4.18E-09	7.92E-09	2.74E-09	1.09E-10	1.91E-09	4.76E-09
544	565304	4222017	2.698E-08	1.00E-09	1.28E-08	4.08E-08	1.43E-08	1.10E-09	1.28E-08	2.82E-08	3.54E-09	1.96E-10	4.18E-09	7.92E-09	2.74E-09	1.09E-10	1.91E-09	4.76E-09
545	565294.1	4222017	2.701E-08	1.00E-09	1.28E-08	4.08E-08	1.43E-08	1.10E-09	1.28E-08	2.82E-08	3.55E-09	1.96E-10	4.19E-09	7.93E-09	2.74E-09	1.09E-10	1.91E-09	4.76E-09
546	565284.2	4222017	2.704E-08	1.00E-09	1.28E-08	4.09E-08	1.43E-08	1.10E-09	1.28E-08	2.82E-08	3.55E-09	1.96E-10	4.19E-09	7.94E-09	2.75E-09	1.09E-10	1.91E-09	4.77E-09
547	565537.7	4222021	2.972E-08	1.00E-09	1.41E-08	4.48E-08	1.58E-08	1.10E-09	1.41E-08	3.09E-08	3.90E-09	1.96E-10	4.61E-09	8.71E-09	3.02E-09	1.09E-10	2.10E-09	5.23E-09
548	565546.5	4222025	3.039E-08	1.00E-09	1.44E-08	4.58E-08	1.61E-08	1.10E-09	1.44E-08	3.16E-08	3.99E-09	1.96E-10	4.71E-09	8.90E-09	3.09E-09	1.09E-10	2.15E-09	5.35E-09
549	565555.4	4222029	3.106E-08	1.00E-09	1.47E-08	4.68E-08	1.65E-08	1.10E-09	1.47E-08	3.23E-08	4.08E-09	1.96E-10	4.82E-09	9.09E-09	3.16E-09	1.09E-10	2.20E-09	5.46E-09
550	565564.3	4222032	3.173E-08	1.00E-09	1.50E-08	4.78E-08	1.68E-08	1.10E-09	1.50E-08	3.30E-08	4.17E-09	1.96E-10	4.92E-09	9.28E-09	3.22E-09	1.09E-10	2.24E-09	5.58E-09
551	565502.1	4222007	2.704E-08	1.00E-09	1.28E-08	4.09E-08	1.43E-08	1.10E-09	1.28E-08	2.83E-08	3.55E-09	1.96E-10	4.19E-09	7.94E-09	2.75E-09	1.09E-10	1.91E-09	4.77E-09
552	565492.2	4222007	2.694E-08	1.00E-09	1.28E-08	4.07E-08	1.43E-08	1.10E-09	1.28E-08	2.81E-08	3.54E-09	1.96E-10	4.18E-09	7.91E-09	2.74E-09	1.09E-10	1.91E-09	4.75E-09
553	565482.3	4222007	2.682E-08	1.00E-09	1.27E-08	4.05E-08	1.42E-08	1.10E-09	1.27E-08	2.80E-08	3.52E-09	1.96E-10	4.16E-09	7.88E-09	2.73E-09	1.09E-10	1.90E-09	4.73E-09
554	565472.4	4222007	2.67E-08	1.00E-09	1.27E-08	4.04E-08	1.42E-08	1.10E-09	1.27E-08	2.79E-08	3.51E-09	1.96E-10	4.14E-09	7.84E-09	2.71E-09	1.09E-10	1.89E-09	4.71E-09
555	565462.4	4222007	2.657E-08	1.00E-09	1.26E-08	4.02E-08	1.41E-08	1.10E-09	1.26E-08	2.78E-08	3.49E-09	1.96E-10	4.12E-09	7.81E-09	2.70E-09	1.09E-10	1.88E-09	4.69E-09
556	565452.5	4222007	2.645E-08	1.00E-09	1.25E-08	4.00E-08	1.40E-08	1.10E-09	1.25E-08	2.77E-08	3.47E-09	1.96E-10	4.10E-09	7.77E-09	2.69E-09	1.09E-10	1.87E-09	4.67E-09
557	565442.6	4222007	2.634E-08	1.00E-09	1.25E-08	3.98E-08	1.40E-08	1.10E-09	1.25E-08	2.75E-08	3.46E-09	1.96E-10	4.08E-09	7.74E-09	2.68E-09	1.09E-10	1.86E-09	4.65E-09

558	565432.7	4222007	2.622E-08	1.00E-09	1.24E-08	3.96E-08	1.39E-08	1.10E-09	1.24E-08	2.74E-08	3.44E-09	1.96E-10	4.06E-09	7.70E-09	2.66E-09	1.09E-10	1.85E-09	4.63E-09
559	565422.8	4222007	2.611E-08	1.00E-09	1.24E-08	3.95E-08	1.38E-08	1.10E-09	1.24E-08	2.73E-08	3.43E-09	1.96E-10	4.05E-09	7.67E-09	2.65E-09	1.09E-10	1.85E-09	4.61E-09
560	565412.9	4222007	2.601E-08	1.00E-09	1.23E-08	3.93E-08	1.38E-08	1.10E-09	1.23E-08	2.72E-08	3.42E-09	1.96E-10	4.03E-09	7.64E-09	2.64E-09	1.09E-10	1.84E-09	4.59E-09
561	565403	4222007	2.591E-08	1.00E-09	1.23E-08	3.92E-08	1.37E-08	1.10E-09	1.23E-08	2.71E-08	3.40E-09	1.96E-10	4.02E-09	7.61E-09	2.63E-09	1.09E-10	1.83E-09	4.57E-09
562	565393.1	4222007	2.582E-08	1.00E-09	1.22E-08	3.91E-08	1.37E-08	1.10E-09	1.22E-08	2.70E-08	3.39E-09	1.96E-10	4.00E-09	7.59E-09	2.62E-09	1.09E-10	1.83E-09	4.56E-09
563	565383.2	4222007	2.574E-08	1.00E-09	1.22E-08	3.89E-08	1.36E-08	1.10E-09	1.22E-08	2.69E-08	3.38E-09	1.96E-10	3.99E-09	7.57E-09	2.62E-09	1.09E-10	1.82E-09	4.55E-09
564	565373.3	4222007	2.567E-08	1.00E-09	1.22E-08	3.88E-08	1.36E-08	1.10E-09	1.22E-08	2.69E-08	3.37E-09	1.96E-10	3.98E-09	7.55E-09	2.61E-09	1.09E-10	1.82E-09	4.53E-09
565	565363.4	4222007	2.56E-08	1.00E-09	1.21E-08	3.87E-08	1.36E-08	1.10E-09	1.21E-08	2.68E-08	3.36E-09	1.96E-10	3.97E-09	7.53E-09	2.60E-09	1.09E-10	1.81E-09	4.52E-09
566	565353.5	4222007	2.554E-08	1.00E-09	1.21E-08	3.86E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.35E-09	1.96E-10	3.96E-09	7.51E-09	2.60E-09	1.09E-10	1.81E-09	4.51E-09
567	565343.6	4222007	2.549E-08	1.00E-09	1.21E-08	3.86E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.35E-09	1.96E-10	3.95E-09	7.50E-09	2.59E-09	1.09E-10	1.80E-09	4.50E-09
568	565333.7	4222007	2.547E-08	1.00E-09	1.21E-08	3.85E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.34E-09	1.96E-10	3.95E-09	7.49E-09	2.59E-09	1.09E-10	1.80E-09	4.50E-09
569	565323.8	4222007	2.546E-08	1.00E-09	1.21E-08	3.85E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.34E-09	1.96E-10	3.95E-09	7.49E-09	2.59E-09	1.09E-10	1.80E-09	4.50E-09
570	565313.9	4222007	2.546E-08	1.00E-09	1.21E-08	3.85E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.34E-09	1.96E-10	3.95E-09	7.49E-09	2.59E-09	1.09E-10	1.80E-09	4.50E-09
571	565304	4222007	2.548E-08	1.00E-09	1.21E-08	3.85E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.35E-09	1.96E-10	3.95E-09	7.49E-09	2.59E-09	1.09E-10	1.80E-09	4.50E-09
572	565294.1	4222007	2.55E-08	1.00E-09	1.21E-08	3.86E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.35E-09	1.96E-10	3.95E-09	7.50E-09	2.59E-09	1.09E-10	1.80E-09	4.50E-09
573	565284.2	4222007	2.553E-08	1.00E-09	1.21E-08	3.86E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.35E-09	1.96E-10	3.96E-09	7.51E-09	2.59E-09	1.09E-10	1.81E-09	4.51E-09
574	565537.2	4222011	2.804E-08	1.00E-09	1.33E-08	4.23E-08	1.49E-08	1.10E-09	1.33E-08	2.92E-08	3.68E-09	1.96E-10	4.35E-09	8.22E-09	2.85E-09	1.09E-10	1.98E-09	4.94E-09
575	565546	4222015	2.866E-08	1.00E-09	1.36E-08	4.32E-08	1.52E-08	1.10E-09	1.36E-08	2.99E-08	3.76E-09	1.96E-10	4.44E-09	8.40E-09	2.91E-09	1.09E-10	2.03E-09	5.05E-09
576	565554.8	4222018	2.927E-08	1.00E-09	1.39E-08	4.41E-08	1.55E-08	1.10E-09	1.39E-08	3.05E-08	3.84E-09	1.96E-10	4.54E-09	8.58E-09	2.97E-09	1.09E-10	2.07E-09	5.15E-09
577	565563.6	4222022	2.989E-08	1.00E-09	1.42E-08	4.50E-08	1.58E-08	1.10E-09	1.42E-08	3.11E-08	3.92E-09	1.96E-10	4.63E-09	8.75E-09	3.04E-09	1.09E-10	2.11E-09	5.26E-09
578	565502	4221997	2.559E-08	1.00E-09	1.21E-08	3.87E-08	1.36E-08	1.10E-09	1.21E-08	2.68E-08	3.36E-09	1.96E-10	3.97E-09	7.52E-09	2.60E-09	1.09E-10	1.81E-09	4.52E-09
579	565492.1	4221997	2.549E-08	1.00E-09	1.21E-08	3.86E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.35E-09	1.96E-10	3.95E-09	7.50E-09	2.59E-09	1.09E-10	1.80E-09	4.50E-09
580	565482.2	4221997	2.538E-08	1.00E-09	1.20E-08	3.84E-08	1.35E-08	1.10E-09	1.20E-08	2.66E-08	3.33E-09	1.96E-10	3.93E-09	7.46E-09	2.58E-09	1.09E-10	1.80E-09	4.48E-09
581	565472.3	4221997	2.526E-08	1.00E-09	1.20E-08	3.82E-08	1.34E-08	1.10E-09	1.20E-08	2.65E-08	3.32E-09	1.96E-10	3.92E-09	7.43E-09	2.57E-09	1.09E-10	1.79E-09	4.46E-09
582	565462.4	4221997	2.514E-08	1.00E-09	1.19E-08	3.81E-08	1.33E-08	1.10E-09	1.19E-08	2.63E-08	3.30E-09	1.96E-10	3.90E-09	7.40E-09	2.55E-09	1.09E-10	1.78E-09	4.44E-09
583	565452.5	4221997	2.503E-08	1.00E-09	1.19E-08	3.79E-08	1.33E-08	1.10E-09	1.19E-08	2.62E-08	3.29E-09	1.96E-10	3.88E-09	7.36E-09	2.54E-09	1.09E-10	1.77E-09	4.42E-09
584	565442.6	4221997	2.492E-08	1.00E-09	1.18E-08	3.77E-08	1.32E-08	1.10E-09	1.18E-08	2.61E-08	3.27E-09	1.96E-10	3.86E-09	7.33E-09	2.53E-09	1.09E-10	1.76E-09	4.40E-09
585	565432.7	4221997	2.481E-08	1.00E-09	1.18E-08	3.76E-08	1.32E-08	1.10E-09	1.18E-08	2.60E-08	3.26E-09	1.96E-10	3.85E-09	7.30E-09	2.52E-09	1.09E-10	1.75E-09	4.39E-09
586	565422.8	4221997	2.471E-08	1.00E-09	1.17E-08	3.74E-08	1.31E-08	1.10E-09	1.17E-08	2.59E-08	3.24E-09	1.96E-10	3.83E-09	7.27E-09	2.51E-09	1.09E-10	1.75E-09	4.37E-09
587	565412.9	4221997	2.461E-08	1.00E-09	1.17E-08	3.73E-08	1.30E-08	1.10E-09	1.17E-08	2.58E-08	3.23E-09	1.96E-10	3.81E-09	7.24E-09	2.50E-09	1.09E-10	1.74E-09	4.35E-09
588	565403	4221997	2.452E-08	1.00E-09	1.16E-08	3.71E-08	1.30E-08	1.10E-09	1.16E-08	2.57E-08	3.22E-09	1.96E-10	3.80E-09	7.22E-09	2.49E-09	1.09E-10	1.73E-09	4.33E-09
589	565393.1	4221997	2.443E-08	1.00E-09	1.16E-08	3.70E-08	1.30E-08	1.10E-09	1.16E-08	2.56E-08	3.21E-09	1.96E-10	3.79E-09	7.19E-09	2.48E-09	1.09E-10	1.73E-09	4.32E-09
590	565383.2	4221997	2.435E-08	1.00E-09	1.15E-08	3.69E-08	1.29E-08	1.10E-09	1.15E-08	2.55E-08	3.20E-09	1.96E-10	3.77E-09	7.17E-09	2.47E-09	1.09E-10	1.72E-09	4.31E-09
591	565373.3	4221997	2.428E-08	1.00E-09	1.15E-08	3.68E-08	1.29E-08	1.10E-09	1.15E-08	2.55E-08	3.19E-09	1.96E-10	3.76E-09	7.15E-09	2.47E-09	1.09E-10	1.72E-09	4.29E-09
592	565363.4	4221997	2.422E-08	1.00E-09	1.15E-08	3.67E-08	1.28E-08	1.10E-09	1.15E-08	2.54E-08	3.18E-09	1.96E-10	3.75E-09	7.13E-09	2.46E-09	1.09E-10	1.71E-09	4.28E-09
593	565353.5	4221997	2.417E-08	1.00E-09	1.14E-08	3.66E-08	1.28E-08	1.10E-09	1.14E-08	2.54E-08	3.17E-09	1.96E-10	3.75E-09	7.12E-09	2.46E-09	1.09E-10	1.71E-09	4.27E-09
594	565343.6	4221997	2.412E-08	1.00E-09	1.14E-08	3.66E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.17E-09	1.96E-10	3.74E-09	7.10E-09	2.45E-09	1.09E-10	1.71E-09	4.27E-09
595	565333.7	4221997	2.41E-08	1.00E-09	1.14E-08	3.65E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.17E-09	1.96E-10	3.74E-09	7.10E-09	2.45E-09	1.09E-10	1.70E-09	4.26E-09
596	565323.8	4221997	2.409E-08	1.00E-09	1.14E-08	3.65E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.16E-09	1.96E-10	3.73E-09	7.09E-09	2.45E-09	1.09E-10	1.70E-09	4.26E-09
597	565313.8	4221997	2.409E-08	1.00E-09	1.14E-08	3.65E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.16E-09	1.96E-10	3.73E-09	7.10E-09	2.45E-09	1.09E-10	1.70E-09	4.26E-09
598	565303.9	4221997	2.41E-08	1.00E-09	1.14E-08	3.65E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.17E-09	1.96E-10	3.74E-09	7.10E-09	2.45E-09	1.09E-10	1.70E-09	4.26E-09
599	565294	4221997	2.412E-08	1.00E-09	1.14E-08	3.66E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.17E-09	1.96E-10	3.74E-09	7.10E-09	2.45E-09	1.09E-10	1.71E-09	4.27E-09
600	565284.1	4221997	2.415E-08	1.00E-09	1.14E-08	3.66E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.17E-09	1.96E-10	3.74E-09	7.11E-09	2.45E-09	1.09E-10	1.71E-09	4.27E-09
601	565536.8	4222001	2.65E-08	1.00E-09	1.26E-08	4.01E-08	1.41E-08	1.10E-09	1.26E-08	2.77E-08	3.48E-09	1.96E-10	4.11E-09	7.78E-09	2.69E-09	1.09E-10	1.87E-09	4.68E-09
602	565545.5	4222005	2.707E-08	1.00E-09	1.28E-08	4.09E-08	1.44E-08	1.10E-09	1.28E-08	2.83E-08	3.56E-09	1.96E-10	4.20E-09	7.95E-09	2.75E-09	1.09E-10	1.91E-09	4.77E-09
603	565554.2	4222008	2.764E-08	1.00E-09	1.31E-08	4.17E-08	1.47E-08	1.10E-09	1.31E-08	2.89E-08	3.63E-09	1.96E-10	4.28E-09	8.11E-09	2.81E-09	1.09E-10	1.95E-09	4.87E-09
604	565562.9	4222012	2.821E-08	1.00E-09	1.34E-08	4.26E-08	1.50E-08	1.10E-09	1.34E-08	2.94E-08	3.70E-09	1.96E-10	4.37E-09	8.27E-09	2.87E-09	1.09E-10	1.99E-09	4.97E-09
605	565502	4221987	2.426E-08	1.00E-09	1.15E-08	3.68E-08	1.29E-08	1.10E-09	1.15E-08	2.55E-08	3.19E-09	1.96E-10	3.76E-09	7.14E-09	2.47E-09	1.09E-10	1.72E-09	4.29E-09
606	565492.1	4221987	2.417E-08	1.00E-09	1.14E-08	3.66E-08	1.28E-08	1.10E-09	1.14E-08	2.54E-08	3.17E-09	1.96E-10	3.75E-09	7.12E-09	2.46E-09	1.09E-10	1.71E-09	4.27E-09
607	565482.2	4221987	2.406E-08	1.00E-09	1.14E-08	3.65E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.16E-09	1.96E-10	3.73E-09	7.09E-09	2.45E-09	1.09E-10	1.70E-09	4.26E-09
608	565472.3	4221987	2.395E-08	1.00E-09	1.13E-08	3.63E-08	1.27E-08	1.10E-09	1.13E-08	2.51E-08	3.14E-09	1.96E-10	3.71E-09	7.05E-09	2.43E-09	1.09E-10	1.69E-09	4.24E-09
609	565462.4	4221987	2.383E-08	1.00E-09	1.13E-08	3.61E-08	1.26E-08	1.10E-09	1.13E-08	2.50E-08	3.13E-09	1.96E-10	3.69E-09	7.02E-09	2.42E-09	1.09E-10	1.69E-09	4.22E-09
610	565452.5	4221987	2.373E-08	1.00E-09	1.12E-08	3.60E-08	1.26E-08	1.10E-09	1.12E-08	2.49E-08	3.12E-09	1.96E-10	3.68E-09	6.99E-09	2.41E-09	1.09E-10	1.68E-09	4.20E-09
611	565442.6	4221987	2.362E-08	1.00E-09	1.12E-08	3.58E-08	1.25E-08	1.10E-09	1.12E-08	2.48E-08	3.10E-09	1.96E-10	3.66E-09	6.96E-09	2.40E-09	1.09E-10	1.67E-09	4.18E-09
612	565432.7	4221987	2.352E-08	1.00E-09	1.11E-08	3.57E-08	1.25E-08	1.10E-09	1.11E-08	2.47E-08	3.09E-09	1.96E-10	3.65E-09	6.93E-09	2.39E-09	1.09E-10	1.66E-09	4.16E-09
613	565422.8	4221987	2.342E-08	1.00E-09	1.11E-08	3.55E-08	1.24E-08	1.10E-09	1.11E-08	2.46E-08	3.08E-09	1.96E-10	3.63E-09	6.90E-09	2.38E-09	1.09E-10	1.66E-09	4.15E-09
614	565412.9	4221987	2.333E-08	1.00E-09	1.11E-08	3.54E-08	1.24E-08	1.10E-09	1.11E-08	2.45E-08	3.06E-09	1.96E-10	3.62E-09	6.88E-09	2.37E-09	1.09E-10	1.65E-09	4.13E-09
615	565403	4221987	2.324E-08	1.00E-09	1.10E-08	3.53E-08	1.23E-08	1.10E-09	1.10E-08	2.44E-08	3.05E-09	1.96E-10	3.60E-09	6.85E-09	2.36E-09	1.09E-10	1.64E-09	4.12E-09
616	565393.1	4221987	2.316E-08	1.00E-09	1.10E-08	3.51E-08	1.23E-08	1.10E-09	1.10E-08	2.44E-08	3.04E-09	1.96E-10	3.59E-09	6.83E-09	2.35E-09	1.09E-10	1.64E-09	4.10E-09
617	565383.2	4221987	2.308E-08	1.00E-09	1.09E-08	3.50E-08	1.22E-08	1.10E-09	1.09E-08	2.43E-08	3.03E-09	1.96E-10	3.58E-09	6.80E-09	2.35E-09	1.09E-10	1.63E-09	4.09E-09
618	565373.3	4221987	2.301E-08	1.00E-09	1.09E-08	3.49E-08	1.22E-08	1.10E-09	1.09E-08	2.42E-08	3.02E-09	1.96E-10	3.57E-09	6.79E-09	2.34E-09	1.09E-10	1.63E-09	4.08E-09
619	565363.4	4221987	2.295E-08	1.00E-09	1.09E-08	3.48E-08	1.22E-08	1.10E-09	1.09E-08	2.41E-08	3.01E-09	1.96E-10	3.56E-09	6.77E-09	2.33E-09	1.09E-10	1.62E-09	4.07E-09
620	565353.4	4221987	2.291E-08	1.00E-09	1.09E-08	3.48E-08	1.21E-08	1.10E-09	1.09E-08	2.41E-08	3.01E-09	1.96E-10	3.55E-09	6.76E-09	2.33E-09	1.09E-10	1.62E-09	4.06E-09
621	565343.5	4221987	2.287E-08	1.00E-09	1.08E-08	3.47E-08	1.21E-08	1.10E-09	1.08E-08	2.41E-08	3.00E-09	1.96E-10	3.55E-09	6.75E-09	2.32E-09	1.09E-10	1.62E-09	4.05E-09
622	565333.6	4221987	2.285E-08	1.00E-09	1.08E-08	3.47E-08	1.21E-08	1.10E-09	1.08E-08	2.40E-08	3.00E-09	1.96E-10	3.54E-09	6.74E-09	2.32E-09	1.09E-10	1.62E-09	4.05E-09
623	565323.7	4221987	2.284E-08	1.00E-09	1.08E-08	3.47E-08	1.21E-08	1.10E-09	1.08E-08	2.40E-08	3.00E-09	1.96E-10	3.54E-09	6.74E-09	2.32E-09	1.09E-10	1.62E-09	4.05E-09
624	565313.8	4221987	2.284E-08	1.00E-09	1.08E-08	3.47E-08	1.21E-08	1.10E-09	1.08E-08	2.40E-08	3.00E-09	1.96E-10	3.54E-09	6.74E-09	2.32E-09	1.09E-10	1.62E-09	4.05E-09
625	565303.9	4221987	2.285E-08	1.00E-09	1.08E-08	3.47E-08	1.21E-08	1.10E-09	1.08E-08	2.40E-08	3.00E-09	1.96E-10	3.54E-09	6.74E-09	2.32E-09	1.09E-10	1.62E-09	4.05E-09
626	565294	4221987	2.286E-08	1.00E-09	1.08E-08	3.47E-08	1.21E-08	1.10E-09	1.08E-08	2.41E-08	3.00E-09	1.96E-10	3.54E-09	6.74E-09	2.32E-09	1.09E-10	1.62E-09	4.05E-09
627	565284.1	4221987	2.288E-08	1.00E-09	1.08E-08	3.47E-08	1.21E-08	1.10E-09	1.08E-08	2.41E-08	3.01E-09	1.96E-10	3.55E-09	6.75E-09	2.33E-09	1.09E-10	1.62E-09	4.05E-09
628	565538.2	4221992	2.52E-08	1.00E-09	1.19E-08	3.81E-08	1.34E-08	1.10E-09	1.19E-08	2.64E-08	3.31E-09	1.96E-10	3.91E-09	7.41E-09	2.56E-09	1.09E-10	1.78E-09	4.45E-09
629	565547.3	4221996	2.575E-08	1.00E-09	1.22E-08	3.90E-08	1.37E-08	1.10E-09	1.22E-08	2.70E-08	3.38E-09	1.96E-10	3.99E-09	7.57E-09	2.62E-09	1.09E-10	1.82E-09	4.55E-09
630	565556.3	4221999	2.631E-08	1.00E-09	1.25E-08	3.98E-08	1.39E-08	1.10E-09	1.25E-08	2.75E-08	3.45E-09	1.96E-10	4.08E-09	7.73E-09	2.67E-09	1.09E-10	1.86E-09	4.64E-09
631	565565.4	4222003	2.685E-08	1.00E-09	1.27E-08	4.06E-08	1.42E-08	1.10E-09	1.27E-08	2.81E-08	3.53E-09	1.96E-10	4.16E-09	7.89E-09	2.73E-09	1.09E-10	1.90E-09	4.74E-09
632	565601.6	4222018	2.897E-08	1.00E-09	1.37E-08	4.37E-08	1.54E-08	1.10E-09	1.37E-08	3.02E-08	3.80E-09	1.96E-10	4.49E-09	8.49E-09	2.94E-09	1.09E-10	2.05E-09	5.10E-09
633	565502	4221977	2.304E-08	1.00E-09	1.09E-08	3.50E-08	1.22E-08	1.10E-09	1.09E-08	2.42E-08	3.03E-09	1.96E-10	3.57E-09	6.79E-09	2.34E-09	1.09E-10	1.63E-09	4.08E-09
634	565492.1	4221977	2.295E-08	1.00E-09	1.09E-08	3.48E-08	1.22E-08	1.10E-09	1.09E-08	2.41E-08	3.01E-09	1.96E-10	3.56E-09	6.77E-09	2.33E-09	1.09E-10	1.62E-09	4.06E-09
635	565482.2	4221977	2.284E-08	1.00E-09	1.08E-08	3.47E-08	1.21E-08	1.10E-09	1.08E-08	2.40E-08	3.00E-09	1.96E-10	3.54E-09	6.74E-09	2.32E-09	1.09E-10	1.62E-09	4.05E-09
636	565472.3	4221977	2.274E-08	1.00E-09	1.08E-08	3.45E-08	1.21E-08	1.10E-09	1.08E-08	2.39E-08	2.99E-09	1.96E-10	3.52E-09	6.71E-09	2.31E-09	1.09E-10	1.61E-09	4.03E-09
637	565462.4	4221977	2.263E-08	1.00E-09	1.07E-08	3.44E-08	1.20E-08	1.10E-09	1.07E-08	2.38E-08	2.97E-09	1.96E-10	3.51E-09	6.68E-09	2.30E-09	1.09E-10	1.60E-09	4.01E-09
638	565452.5	4221977	2.253E-08	1.00E-09	1.07E-08	3.42E-08	1.19E-08	1.10E-09	1.07E-08	2.37E-08	2.96E-09	1.96E-10	3.49E-09	6.65E-09	2.29E-09	1.09E-10	1.59E-09	3.99E-09
639	565442.6	4221977	2.243E-08	1.00E-09	1.06E-08	3.41E-08	1.19E-08	1.10E-09	1.06E-08	2.36E-08	2.95E-09	1.96E-10	3.48E-09	6.62E-09	2.28E-09	1.09E-10	1.59E-09	3.98E-09
640	565432.7	4221977	2.234E-08	1.00E-09	1.06E-08	3.39E-08	1.18E-08	1.10E-09	1.06E-08	2.35E-08	2.93E-09	1.96E-10	3.46E-09	6.59E-09	2.27E-09	1.09E-10	1.58E-09	3.96E-09
641	565422.8	4221977	2.224E-08	1.00E-09	1.05E-08	3.38E-08	1.18E-08	1.10E-09	1.05E-08	2.34E-08	2.92E-09	1.96E-10	3.45E-09	6.57E-09	2.26E-09	1.09E-10	1.57E-09	3.94E-09
642	565412.9	4221977	2.216E-08	1.00E-09	1.05E-08	3.37E-08	1.17E-08	1.10E-09	1.05E-08	2.33E-08	2.91E-09	1.96E-10	3.43E-09	6.54E-09	2.25E-09	1.09E-10	1.57E-09	3.93E-09
643	565403	4221977	2.208E-08	1.00E-09	1.05E-08	3.35E-08	1.17E-08	1.10E-09	1.05E-08	2.33E-08	2.90E-09	1.96E-10	3.42E-09	6.52E-09	2.24E-09	1.09E-10	1.56E-09	3.91E-09
644	565393	4221977	2.199E-08	1.00E-09	1.04E-08	3.34E-08	1.17E-08	1.10E-09	1.04E-08	2.32E-08	2.89E-09	1.96E-10	3.41E-09	6.49E-09	2.23E-09	1.09E-10	1.56E-09	3.90E-09
645	565383.1	4221977	2.191E-08	1.00E-09	1.04E-08	3.33E-08	1.16E-08	1.10E-09	1.04E-08	2.31E-08	2.88E-09	1.96E-10	3.40E-09	6.47E-09	2.23E-09	1.09E-10	1.55E-09	3.89E-09
646	565373.2	4221977	2.185E-08	1.00E-09	1.03E-08	3.32E-08	1.16E-08	1.10E-09	1.03E-08	2.30E-08	2.87E-09	1.96E-10	3.39E-09	6.45E-09	2.22E-09	1.09E-10	1.54E-09	3.87E-09
647	565363.3	4221977	2.18E-08	1.00E-09	1.03E-08	3.31E-08	1.16E-08	1.10E-09	1.03E-08	2.30E-08	2.86E-09	1.96E-10	3.38E-09	6.44E-09	2.21E-09	1.09E-10	1.54E-09	3.87E-09
648	565353.4	4221977	2.176E-08	1.00E-09	1.03E-08	3.31E-08	1.15E-08	1.10E-09	1.03E-08	2.29E-08	2.86E-09	1.96E-10	3.37E-09	6.43E-09	2.21E-09	1.09E-10	1.54E-09	3.86E-09
649	565343.5	4221977	2.172E-08	1.00E-09	1.03E-08	3.30E-08	1.15E-08	1.10E-09	1.03E-08	2.29E-08	2.85E-09	1.96E-10	3.37E-09	6.42E-09	2.21E-09	1.09E-10	1.54E-09	3.85E-09
650	565333.6	4221977	2.17E-08	1.00E-09	1.03E-08	3.30E-08	1.15E-08	1.10E-09	1.03E-08	2.29E-08	2.85E-09	1.96E-10	3.36E-09	6.41E-09	2.21E-09	1.09E-10	1.54E-09	3.85E-09
651	565323.7	4221977	2.169E-08	1.00E-09	1.03E-08	3.30E-08	1.15E-08	1.10E-09	1.03E-08	2.29E-08	2.85E-09	1.96E-10	3.36E-09	6.41E-09	2.20E-09	1.09E-10	1.53E-09	3.85E-09
652	565313.8	4221978	2.169E-08	1.00E-09	1.03E-08	3.30E-08	1.15E-08	1.10E-09	1.03E-08	2.29E-08	2.85E-09	1.96E-10	3.36E-09	6.41E-09	2.20E-09	1.09E-10	1.53E-09	3.85E-09
653	565303.9	4221978	2.17E-08	1.00E-09	1.03E-08	3.30E-08	1.15E-08	1.10E-09	1.03E-08	2.29E-08	2.85E-09	1.96E-10	3.36E-09	6.41E-09	2.20E-09	1.09E-10	1.53E-09	3.85E-09
654	565294	4221978	2.171E-08	1.00E-09	1.03E-08	3.30E-08	1.15E-08	1.10E-09	1.03E-08	2.29E-08	2.85E-09	1.96E-10	3.37E-09	6.41E-09	2.21E-09	1.09E-10	1.54E-09	3.85E-09
655	565284.1	4221978	2.173E-08	1.00E-09	1.03E-08	3.30E-08	1.15E-08	1.10E-09	1.03E-08	2.29E-08	2.85E-09	1.96E-10	3.37E-09	6.42E-09	2.21E-09	1.09E-10	1.54E-09	3.85E-09
656	565537.8	4221982	2.39E-08	1.00E-09	1.13E-08	3.62E-08	1.27E-08	1.10E-09	1.13E-08	2.51E-08	3.14E-09	1.96E-10	3.71E-09	7.04E-09	2.43E-09	1.09E-10	1.69E-09	4.23E-09
657	565546.7	4221986	2.441E-08	1.00E-09	1.16E-08	3.70E-08	1.29E-08	1.10E-09	1.16E-08	2.56E-08	3.21E-09	1.96E-10	3.78E-09	7.19E-09	2.48E-09	1.09E-10	1.73E-09	4.32E-09
658	565555.7	4221989	2.492E-08	1.00E-09	1.18E-08	3.77E-08	1.32E-08	1.10E-09	1.18E-08	2.61E-08	3.27E-09	1.96E-10	3.86E-09	7.33E-09	2.53E-09	1.09E-10	1.76E-09	4.40E-09
659	565564.6	4221993	2.542E-08	1.00E-09	1.20E-08	3.85E-08	1.35E-08	1.10E-09	1.20E-08	2.66E-08	3.34E-09	1.96E-10	3.94E-09	7.48E-09	2.58E-09	1.09E-10	1.80E-09	4.49E-09
660	565591.5	4222004	2.692E-08	1.00E-09	1.28E-08	4.07E-08	1.43E-08	1.10E-09	1.28E-08	2.81E-08	3.53E-09	1.96E-10	4.17E-09	7.90E-09	2.74E-09	1.09E-10	1.90E-09	4.75E-09
661	565600.5	4222008	2.74E-08	1.00E-09	1.30E-08	4.14E-08	1.45E-08	1.10E-09	1.30E-08	2.86E-08	3.60E-09	1.96E-10	4.25E-09	8.04E-09	2.78E-09	1.09E-10	1.94E-09	4.83E-09
662	565609.4	4222011	2.787E-08	1.00E-09	1.32E-08	4.21E-08	1.48E-08	1.10E-09	1.32E-08	2.91E-08	3.66E-09	1.96E-10	4.32E-09	8.18E-09	2.83E-09	1.09E-10	1.97E-09	4.91E-09
663	565618.4	4222015	2.832E-08	1.00E-09	1.34E-08	4.27E-08	1.50E-08	1.10E-09	1.34E-08	2.95E-08	3.72E-09	1.96E-10	4.39E-09	8.31E-09	2.88E-09	1.09E-10	2.00E-09	4.99E-09
664	565627.3	4222019	2.875E-08	1.00E-09	1.36E-08	4.34E-08	1.52E-08	1.10E-09	1.36E-08	3.00E-08	3.78E-09	1.96E-10	4.46E-09	8.43E-09	2.92E-09	1.09E-10	2.03E-09	5.06E-09
665	565502	4221967	2.19E-08	1.00E-09	1.04E-08	3.33E-08	1.16E-08	1.10E-09	1.04E-08	2.31E-08	2.88E-09	1.96E-10	3.40E-09	6.47E-09	2.23E-09	1.09E-10	1.55E-09	3.88E-09
666	565492.1	4221967	2.182E-08	1.00E-09	1.03E-08	3.32E-08	1.16E-08	1.10E-09	1.03E-08	2.30E-08	2.87E-09	1.96E-10	3.38E-09	6.44E-09	2.22E-09	1.09E-10	1.54E-09	3.87E-09
667	565482.2	4221967	2.172E-08	1.00E-09	1.03E-08	3.30E-08	1.15E-08	1.10E-09	1.03E-08	2.29E-08	2.85E-09	1.96E-10	3.37E-09	6.42E-09	2.21E-09	1.09E-10	1.54E-09	3.85E-09
668	565472.3	4221967	2.162E-08	1.00E-09	1.02E-08	3.29E-08	1.15E-08	1.10E-09	1.02E-08	2.28E-08	2.84E-09	1.96E-10	3.35E-09	6.39E-09	2.20E-09	1.09E-10	1.53E-09	3.84E-09
669	565462.4	4221967	2.152E-08	1.00E-09	1.02E-08	3.27E-08	1.14E-08	1.10E-09	1.02E-08	2.27E-08	2.83E-09	1.96E-10	3.34E-09	6.36E-09	2.19E-09	1.09E-10	1.52E-09	3.82E-09

670	565452.5	4221967	2.143E-08	1.00E-09	1.02E-08	3.26E-08	1.14E-08	1.10E-09	1.02E-08	2.26E-08	2.81E-09	1.96E-10	3.32E-09	6.33E-09	2.18E-09	1.09E-10	1.52E-09	3.80E-09
671	565442.5	4221967	2.134E-08	1.00E-09	1.01E-08	3.24E-08	1.13E-08	1.10E-09	1.01E-08	2.25E-08	2.80E-09	1.96E-10	3.31E-09	6.31E-09	2.17E-09	1.09E-10	1.51E-09	3.79E-09
672	565432.6	4221967	2.125E-08	1.00E-09	1.01E-08	3.23E-08	1.13E-08	1.10E-09	1.01E-08	2.24E-08	2.79E-09	1.96E-10	3.29E-09	6.28E-09	2.16E-09	1.09E-10	1.50E-09	3.77E-09
673	565422.7	4221967	2.116E-08	1.00E-09	1.00E-08	3.22E-08	1.12E-08	1.10E-09	1.00E-08	2.23E-08	2.78E-09	1.96E-10	3.28E-09	6.25E-09	2.15E-09	1.09E-10	1.50E-09	3.76E-09
674	565412.8	4221967	2.107E-08	1.00E-09	9.98E-09	3.21E-08	1.12E-08	1.10E-09	9.98E-09	2.23E-08	2.77E-09	1.96E-10	3.27E-09	6.23E-09	2.14E-09	1.09E-10	1.49E-09	3.74E-09
675	565402.9	4221967	2.099E-08	1.00E-09	9.95E-09	3.19E-08	1.11E-08	1.10E-09	9.95E-09	2.22E-08	2.76E-09	1.96E-10	3.25E-09	6.21E-09	2.13E-09	1.09E-10	1.48E-09	3.73E-09
676	565393	4221967	2.092E-08	1.00E-09	9.91E-09	3.18E-08	1.11E-08	1.10E-09	9.91E-09	2.21E-08	2.75E-09	1.96E-10	3.24E-09	6.19E-09	2.13E-09	1.09E-10	1.48E-09	3.71E-09
677	565383.1	4221968	2.085E-08	1.00E-09	9.88E-09	3.17E-08	1.11E-08	1.10E-09	9.88E-09	2.20E-08	2.74E-09	1.96E-10	3.23E-09	6.17E-09	2.12E-09	1.09E-10	1.47E-09	3.70E-09
678	565373.2	4221968	2.078E-08	1.00E-09	9.85E-09	3.16E-08	1.10E-08	1.10E-09	9.85E-09	2.20E-08	2.73E-09	1.96E-10	3.22E-09	6.15E-09	2.11E-09	1.09E-10	1.47E-09	3.69E-09
679	565363.3	4221968	2.074E-08	1.00E-09	9.82E-09	3.16E-08	1.10E-08	1.10E-09	9.82E-09	2.19E-08	2.72E-09	1.96E-10	3.21E-09	6.13E-09	2.11E-09	1.09E-10	1.47E-09	3.68E-09
680	565353.4	4221968	2.07E-08	1.00E-09	9.81E-09	3.15E-08	1.10E-08	1.10E-09	9.81E-09	2.19E-08	2.72E-09	1.96E-10	3.21E-09	6.12E-09	2.10E-09	1.09E-10	1.46E-09	3.68E-09
681	565343.5	4221968	2.067E-08	1.00E-09	9.79E-09	3.15E-08	1.10E-08	1.10E-09	9.79E-09	2.19E-08	2.71E-09	1.96E-10	3.20E-09	6.11E-09	2.10E-09	1.09E-10	1.46E-09	3.67E-09
682	565333.6	4221968	2.065E-08	1.00E-09	9.78E-09	3.14E-08	1.09E-08	1.10E-09	9.78E-09	2.18E-08	2.71E-09	1.96E-10	3.20E-09	6.11E-09	2.10E-09	1.09E-10	1.46E-09	3.67E-09
683	565323.7	4221968	2.064E-08	1.00E-09	9.78E-09	3.14E-08	1.09E-08	1.10E-09	9.78E-09	2.18E-08	2.71E-09	1.96E-10	3.20E-09	6.11E-09	2.10E-09	1.09E-10	1.46E-09	3.67E-09
684	565313.8	4221968	2.063E-08	1.00E-09	9.77E-09	3.14E-08	1.09E-08	1.10E-09	9.77E-09	2.18E-08	2.71E-09	1.96E-10	3.20E-09	6.10E-09	2.10E-09	1.09E-10	1.46E-09	3.67E-09
685	565303.9	4221968	2.064E-08	1.00E-09	9.78E-09	3.14E-08	1.09E-08	1.10E-09	9.78E-09	2.18E-08	2.71E-09	1.96E-10	3.20E-09	6.11E-09	2.10E-09	1.09E-10	1.46E-09	3.67E-09
686	565294	4221968	2.065E-08	1.00E-09	9.78E-09	3.14E-08	1.09E-08	1.10E-09	9.78E-09	2.18E-08	2.71E-09	1.96E-10	3.20E-09	6.11E-09	2.10E-09	1.09E-10	1.46E-09	3.67E-09
687	565284.1	4221968	2.066E-08	1.00E-09	9.79E-09	3.15E-08	1.10E-08	1.10E-09	9.79E-09	2.18E-08	2.71E-09	1.96E-10	3.20E-09	6.11E-09	2.10E-09	1.09E-10	1.46E-09	3.67E-09
688	565537.4	4221972	2.27E-08	1.00E-09	1.08E-08	3.45E-08	1.20E-08	1.10E-09	1.08E-08	2.39E-08	2.98E-09	1.96E-10	3.52E-09	6.70E-09	2.31E-09	1.09E-10	1.61E-09	4.02E-09
689	565546.3	4221976	2.317E-08	1.00E-09	1.10E-08	3.52E-08	1.23E-08	1.10E-09	1.10E-08	2.44E-08	3.04E-09	1.96E-10	3.59E-09	6.83E-09	2.35E-09	1.09E-10	1.64E-09	4.10E-09
690	565555.1	4221979	2.364E-08	1.00E-09	1.12E-08	3.58E-08	1.25E-08	1.10E-09	1.12E-08	2.48E-08	3.10E-09	1.96E-10	3.67E-09	6.97E-09	2.40E-09	1.09E-10	1.67E-09	4.18E-09
691	565564	4221983	2.411E-08	1.00E-09	1.14E-08	3.65E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.17E-09	1.96E-10	3.74E-09	7.10E-09	2.45E-09	1.09E-10	1.71E-09	4.26E-09
692	565572.8	4221987	2.458E-08	1.00E-09	1.16E-08	3.72E-08	1.30E-08	1.10E-09	1.16E-08	2.58E-08	3.23E-09	1.96E-10	3.81E-09	7.23E-09	2.50E-09	1.09E-10	1.74E-09	4.35E-09
693	565599.4	4221998	2.595E-08	1.00E-09	1.23E-08	3.92E-08	1.38E-08	1.10E-09	1.23E-08	2.72E-08	3.41E-09	1.96E-10	4.02E-09	7.63E-09	2.64E-09	1.09E-10	1.84E-09	4.58E-09
694	565608.3	4222001	2.639E-08	1.00E-09	1.25E-08	3.99E-08	1.40E-08	1.10E-09	1.25E-08	2.76E-08	3.47E-09	1.96E-10	4.09E-09	7.75E-09	2.68E-09	1.09E-10	1.87E-09	4.66E-09
695	565617.2	4222005	2.682E-08	1.00E-09	1.27E-08	4.05E-08	1.42E-08	1.10E-09	1.27E-08	2.80E-08	3.52E-09	1.96E-10	4.16E-09	7.88E-09	2.73E-09	1.09E-10	1.90E-09	4.73E-09
696	565626	4222008	2.723E-08	1.00E-09	1.29E-08	4.11E-08	1.44E-08	1.10E-09	1.29E-08	2.84E-08	3.58E-09	1.96E-10	4.22E-09	7.99E-09	2.77E-09	1.09E-10	1.93E-09	4.80E-09
697	565634.9	4222012	2.763E-08	1.00E-09	1.31E-08	4.17E-08	1.46E-08	1.10E-09	1.31E-08	2.88E-08	3.63E-09	1.96E-10	4.28E-09	8.11E-09	2.81E-09	1.09E-10	1.95E-09	4.87E-09
698	565643.7	4222016	2.802E-08	1.00E-09	1.33E-08	4.23E-08	1.49E-08	1.10E-09	1.33E-08	2.92E-08	3.68E-09	1.96E-10	4.34E-09	8.22E-09	2.85E-09	1.09E-10	1.98E-09	4.94E-09
699	565652.6	4222019	2.838E-08	1.00E-09	1.34E-08	4.28E-08	1.50E-08	1.10E-09	1.34E-08	2.96E-08	3.73E-09	1.96E-10	4.40E-09	8.32E-09	2.88E-09	1.09E-10	2.01E-09	5.00E-09
700	565502	4221957	2.086E-08	1.00E-09	9.88E-09	3.17E-08	1.11E-08	1.10E-09	9.88E-09	2.20E-08	2.74E-09	1.96E-10	3.23E-09	6.17E-09	2.12E-09	1.09E-10	1.47E-09	3.70E-09
701	565492.1	4221957	2.077E-08	1.00E-09	9.84E-09	3.16E-08	1.10E-08	1.10E-09	9.84E-09	2.20E-08	2.73E-09	1.96E-10	3.22E-09	6.14E-09	2.11E-09	1.09E-10	1.47E-09	3.69E-09
702	565482.1	4221957	2.068E-08	1.00E-09	9.80E-09	3.15E-08	1.10E-08	1.10E-09	9.80E-09	2.19E-08	2.72E-09	1.96E-10	3.21E-09	6.12E-09	2.10E-09	1.09E-10	1.46E-09	3.67E-09
703	565472.2	4221957	2.059E-08	1.00E-09	9.76E-09	3.14E-08	1.09E-08	1.10E-09	9.76E-09	2.18E-08	2.70E-09	1.96E-10	3.19E-09	6.09E-09	2.09E-09	1.09E-10	1.46E-09	3.66E-09
704	565462.3	4221957	2.05E-08	1.00E-09	9.71E-09	3.12E-08	1.09E-08	1.10E-09	9.71E-09	2.17E-08	2.69E-09	1.96E-10	3.18E-09	6.07E-09	2.08E-09	1.09E-10	1.45E-09	3.64E-09
705	565452.4	4221958	2.041E-08	1.00E-09	9.67E-09	3.11E-08	1.08E-08	1.10E-09	9.67E-09	2.16E-08	2.68E-09	1.96E-10	3.16E-09	6.04E-09	2.07E-09	1.09E-10	1.44E-09	3.63E-09
706	565442.5	4221958	2.032E-08	1.00E-09	9.63E-09	3.10E-08	1.08E-08	1.10E-09	9.63E-09	2.15E-08	2.67E-09	1.96E-10	3.15E-09	6.02E-09	2.07E-09	1.09E-10	1.44E-09	3.61E-09
707	565432.6	4221958	2.024E-08	1.00E-09	9.59E-09	3.08E-08	1.07E-08	1.10E-09	9.59E-09	2.14E-08	2.66E-09	1.96E-10	3.14E-09	5.99E-09	2.06E-09	1.09E-10	1.43E-09	3.60E-09
708	565422.7	4221958	2.015E-08	1.00E-09	9.55E-09	3.07E-08	1.07E-08	1.10E-09	9.55E-09	2.13E-08	2.65E-09	1.96E-10	3.12E-09	5.97E-09	2.05E-09	1.09E-10	1.43E-09	3.58E-09
709	565412.8	4221958	2.007E-08	1.00E-09	9.51E-09	3.06E-08	1.06E-08	1.10E-09	9.51E-09	2.12E-08	2.64E-09	1.96E-10	3.11E-09	5.94E-09	2.04E-09	1.09E-10	1.42E-09	3.57E-09
710	565402.9	4221958	1.999E-08	1.00E-09	9.47E-09	3.05E-08	1.06E-08	1.10E-09	9.47E-09	2.12E-08	2.63E-09	1.96E-10	3.10E-09	5.92E-09	2.03E-09	1.09E-10	1.41E-09	3.55E-09
711	565393	4221958	1.992E-08	1.00E-09	9.44E-09	3.04E-08	1.06E-08	1.10E-09	9.44E-09	2.11E-08	2.62E-09	1.96E-10	3.09E-09	5.90E-09	2.02E-09	1.09E-10	1.41E-09	3.54E-09
712	565383.1	4221958	1.986E-08	1.00E-09	9.41E-09	3.03E-08	1.05E-08	1.10E-09	9.41E-09	2.10E-08	2.61E-09	1.96E-10	3.08E-09	5.88E-09	2.02E-09	1.09E-10	1.40E-09	3.53E-09
713	565373.2	4221958	1.98E-08	1.00E-09	9.38E-09	3.02E-08	1.05E-08	1.10E-09	9.38E-09	2.10E-08	2.60E-09	1.96E-10	3.07E-09	5.87E-09	2.01E-09	1.09E-10	1.40E-09	3.52E-09
714	565363.3	4221958	1.976E-08	1.00E-09	9.36E-09	3.01E-08	1.05E-08	1.10E-09	9.36E-09	2.09E-08	2.59E-09	1.96E-10	3.06E-09	5.85E-09	2.01E-09	1.09E-10	1.40E-09	3.51E-09
715	565353.4	4221958	1.972E-08	1.00E-09	9.34E-09	3.01E-08	1.05E-08	1.10E-09	9.34E-09	2.09E-08	2.59E-09	1.96E-10	3.06E-09	5.84E-09	2.00E-09	1.09E-10	1.39E-09	3.51E-09
716	565343.5	4221958	1.97E-08	1.00E-09	9.33E-09	3.00E-08	1.04E-08	1.10E-09	9.33E-09	2.09E-08	2.59E-09	1.96E-10	3.05E-09	5.84E-09	2.00E-09	1.09E-10	1.39E-09	3.50E-09
717	565333.6	4221958	1.967E-08	1.00E-09	9.32E-09	3.00E-08	1.04E-08	1.10E-09	9.32E-09	2.09E-08	2.58E-09	1.96E-10	3.05E-09	5.83E-09	2.00E-09	1.09E-10	1.39E-09	3.50E-09
718	565323.7	4221958	1.966E-08	1.00E-09	9.32E-09	3.00E-08	1.04E-08	1.10E-09	9.32E-09	2.08E-08	2.58E-09	1.96E-10	3.05E-09	5.83E-09	2.00E-09	1.09E-10	1.39E-09	3.50E-09
719	565313.8	4221958	1.966E-08	1.00E-09	9.31E-09	3.00E-08	1.04E-08	1.10E-09	9.31E-09	2.08E-08	2.58E-09	1.96E-10	3.05E-09	5.82E-09	2.00E-09	1.09E-10	1.39E-09	3.50E-09
720	565303.9	4221958	1.966E-08	1.00E-09	9.31E-09	3.00E-08	1.04E-08	1.10E-09	9.31E-09	2.08E-08	2.58E-09	1.96E-10	3.05E-09	5.83E-09	2.00E-09	1.09E-10	1.39E-09	3.50E-09
721	565294	4221958	1.967E-08	1.00E-09	9.32E-09	3.00E-08	1.04E-08	1.10E-09	9.32E-09	2.08E-08	2.58E-09	1.96E-10	3.05E-09	5.83E-09	2.00E-09	1.09E-10	1.39E-09	3.50E-09
722	565284	4221958	1.968E-08	1.00E-09	9.32E-09	3.00E-08	1.04E-08	1.10E-09	9.32E-09	2.09E-08	2.58E-09	1.96E-10	3.05E-09	5.83E-09	2.00E-09	1.09E-10	1.39E-09	3.50E-09
723	565537.1	4221962	2.159E-08	1.00E-09	1.02E-08	3.28E-08	1.14E-08	1.10E-09	1.02E-08	2.28E-08	2.84E-09	1.96E-10	3.35E-09	6.38E-09	2.19E-09	1.09E-10	1.53E-09	3.83E-09
724	565545.8	4221966	2.203E-08	1.00E-09	1.04E-08	3.35E-08	1.17E-08	1.10E-09	1.04E-08	2.32E-08	2.89E-09	1.96E-10	3.42E-09	6.51E-09	2.24E-09	1.09E-10	1.56E-09	3.91E-09
725	565554.6	4221969	2.247E-08	1.00E-09	1.06E-08	3.41E-08	1.19E-08	1.10E-09	1.06E-08	2.37E-08	2.95E-09	1.96E-10	3.48E-09	6.63E-09	2.28E-09	1.09E-10	1.59E-09	3.98E-09
726	565563.4	4221973	2.29E-08	1.00E-09	1.09E-08	3.48E-08	1.21E-08	1.10E-09	1.09E-08	2.41E-08	3.01E-09	1.96E-10	3.55E-09	6.75E-09	2.33E-09	1.09E-10	1.62E-09	4.06E-09
727	565572.2	4221976	2.334E-08	1.00E-09	1.11E-08	3.54E-08	1.24E-08	1.10E-09	1.11E-08	2.45E-08	3.06E-09	1.96E-10	3.62E-09	6.88E-09	2.37E-09	1.09E-10	1.65E-09	4.13E-09
728	565598.5	4221987	2.462E-08	1.00E-09	1.17E-08	3.73E-08	1.31E-08	1.10E-09	1.17E-08	2.58E-08	3.23E-09	1.96E-10	3.82E-09	7.25E-09	2.50E-09	1.09E-10	1.74E-09	4.35E-09
729	565607.3	4221991	2.504E-08	1.00E-09	1.19E-08	3.79E-08	1.33E-08	1.10E-09	1.19E-08	2.62E-08	3.29E-09	1.96E-10	3.88E-09	7.36E-09	2.54E-09	1.09E-10	1.77E-09	4.42E-09
730	565616.1	4221995	2.544E-08	1.00E-09	1.21E-08	3.85E-08	1.35E-08	1.10E-09	1.21E-08	2.66E-08	3.34E-09	1.96E-10	3.94E-09	7.48E-09	2.59E-09	1.09E-10	1.80E-09	4.49E-09
731	565624.8	4221998	2.584E-08	1.00E-09	1.22E-08	3.91E-08	1.37E-08	1.10E-09	1.22E-08	2.70E-08	3.39E-09	1.96E-10	4.01E-09	7.59E-09	2.63E-09	1.09E-10	1.83E-09	4.56E-09
732	565633.6	4222002	2.621E-08	1.00E-09	1.24E-08	3.96E-08	1.39E-08	1.10E-09	1.24E-08	2.74E-08	3.44E-09	1.96E-10	4.06E-09	7.70E-09	2.66E-09	1.09E-10	1.85E-09	4.63E-09
733	565642.4	4222005	2.658E-08	1.00E-09	1.26E-08	4.02E-08	1.41E-08	1.10E-09	1.26E-08	2.78E-08	3.49E-09	1.96E-10	4.12E-09	7.81E-09	2.70E-09	1.09E-10	1.88E-09	4.69E-09
734	565651.2	4222009	2.693E-08	1.00E-09	1.28E-08	4.07E-08	1.43E-08	1.10E-09	1.28E-08	2.81E-08	3.54E-09	1.96E-10	4.18E-09	7.91E-09	2.74E-09	1.09E-10	1.90E-09	4.75E-09
735	565660	4222013	2.727E-08	1.00E-09	1.29E-08	4.12E-08	1.45E-08	1.10E-09	1.29E-08	2.85E-08	3.58E-09	1.96E-10	4.23E-09	8.00E-09	2.77E-09	1.09E-10	1.93E-09	4.81E-09
736	565668.7	4222016	2.758E-08	1.00E-09	1.31E-08	4.17E-08	1.46E-08	1.10E-09	1.31E-08	2.88E-08	3.62E-09	1.96E-10	4.28E-09	8.09E-09	2.80E-09	1.09E-10	1.95E-09	4.86E-09
737	565677.5	4222020	2.787E-08	1.00E-09	1.32E-08	4.21E-08	1.48E-08	1.10E-09	1.32E-08	2.91E-08	3.66E-09	1.96E-10	4.32E-09	8.18E-09	2.83E-09	1.09E-10	1.97E-09	4.91E-09
738	565529.2	4221949	2.022E-08	1.00E-09	9.58E-09	3.08E-08	1.07E-08	1.10E-09	9.58E-09	2.14E-08	2.66E-09	1.96E-10	3.13E-09	5.99E-09	2.05E-09	1.09E-10	1.43E-09	3.59E-09
739	565538.2	4221953	2.064E-08	1.00E-09	9.78E-09	3.14E-08	1.09E-08	1.10E-09	9.78E-09	2.18E-08	2.71E-09	1.96E-10	3.20E-09	6.11E-09	2.10E-09	1.09E-10	1.46E-09	3.67E-09
740	565547.3	4221956	2.107E-08	1.00E-09	9.98E-09	3.21E-08	1.12E-08	1.10E-09	9.98E-09	2.23E-08	2.77E-09	1.96E-10	3.27E-09	6.23E-09	2.14E-09	1.09E-10	1.49E-09	3.74E-09
741	565556.4	4221960	2.149E-08	1.00E-09	1.02E-08	3.27E-08	1.14E-08	1.10E-09	1.02E-08	2.27E-08	2.82E-09	1.96E-10	3.33E-09	6.35E-09	2.18E-09	1.09E-10	1.52E-09	3.81E-09
742	565565.5	4221964	2.191E-08	1.00E-09	1.04E-08	3.33E-08	1.16E-08	1.10E-09	1.04E-08	2.31E-08	2.88E-09	1.96E-10	3.40E-09	6.47E-09	2.23E-09	1.09E-10	1.55E-09	3.89E-09
743	565574.6	4221968	2.234E-08	1.00E-09	1.06E-08	3.39E-08	1.18E-08	1.10E-09	1.06E-08	2.35E-08	2.93E-09	1.96E-10	3.46E-09	6.59E-09	2.27E-09	1.09E-10	1.58E-09	3.96E-09
744	565601.8	4221979	2.358E-08	1.00E-09	1.12E-08	3.58E-08	1.25E-08	1.10E-09	1.12E-08	2.48E-08	3.10E-09	1.96E-10	3.65E-09	6.95E-09	2.40E-09	1.09E-10	1.67E-09	4.17E-09
745	565610.9	4221983	2.398E-08	1.00E-09	1.14E-08	3.63E-08	1.27E-08	1.10E-09	1.14E-08	2.52E-08	3.15E-09	1.96E-10	3.72E-09	7.06E-09	2.44E-09	1.09E-10	1.70E-09	4.24E-09
746	565629.1	4221990	2.476E-08	1.00E-09	1.17E-08	3.75E-08	1.31E-08	1.10E-09	1.17E-08	2.60E-08	3.25E-09	1.96E-10	3.84E-09	7.29E-09	2.52E-09	1.09E-10	1.75E-09	4.38E-09
747	565638.1	4221994	2.514E-08	1.00E-09	1.19E-08	3.81E-08	1.33E-08	1.10E-09	1.19E-08	2.63E-08	3.30E-09	1.96E-10	3.90E-09	7.39E-09	2.55E-09	1.09E-10	1.78E-09	4.44E-09
748	565647.2	4221998	2.549E-08	1.00E-09	1.21E-08	3.86E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.35E-09	1.96E-10	3.95E-09	7.50E-09	2.59E-09	1.09E-10	1.80E-09	4.50E-09
749	565656.3	4222001	2.584E-08	1.00E-09	1.22E-08	3.91E-08	1.37E-08	1.10E-09	1.22E-08	2.70E-08	3.39E-09	1.96E-10	4.01E-09	7.59E-09	2.63E-09	1.09E-10	1.83E-09	4.56E-09
750	565665.4	4222005	2.616E-08	1.00E-09	1.24E-08	3.96E-08	1.39E-08	1.10E-09	1.24E-08	2.74E-08	3.44E-09	1.96E-10	4.06E-09	7.69E-09	2.66E-09	1.09E-10	1.85E-09	4.62E-09
751	565674.5	4222009	2.647E-08	1.00E-09	1.25E-08	4.00E-08	1.40E-08	1.10E-09	1.25E-08	2.77E-08	3.48E-09	1.96E-10	4.10E-09	7.78E-09	2.69E-09	1.09E-10	1.87E-09	4.67E-09
752	565683.5	4222012	2.675E-08	1.00E-09	1.27E-08	4.04E-08	1.42E-08	1.10E-09	1.27E-08	2.80E-08	3.51E-09	1.96E-10	4.15E-09	7.86E-09	2.72E-09	1.09E-10	1.89E-09	4.72E-09
753	565692.6	4222016	2.701E-08	1.00E-09	1.28E-08	4.08E-08	1.43E-08	1.10E-09	1.28E-08	2.82E-08	3.55E-09	1.96E-10	4.19E-09	7.93E-09	2.74E-09	1.09E-10	1.91E-09	4.76E-09
754	565701.7	4222020	2.725E-08	1.00E-09	1.29E-08	4.12E-08	1.44E-08	1.10E-09	1.29E-08	2.85E-08	3.58E-09	1.96E-10	4.22E-09	8.00E-09	2.77E-09	1.09E-10	1.93E-09	4.81E-09
755	565528.9	4221939	1.929E-08	1.00E-09	9.14E-09	2.94E-08	1.02E-08	1.10E-09	9.14E-09	2.05E-08	2.53E-09	1.96E-10	2.99E-09	5.72E-09	1.96E-09	1.09E-10	1.36E-09	3.43E-09
756	565537.9	4221943	1.969E-08	1.00E-09	9.33E-09	3.00E-08	1.04E-08	1.10E-09	9.33E-09	2.09E-08	2.59E-09	1.96E-10	3.05E-09	5.83E-09	2.00E-09	1.09E-10	1.39E-09	3.50E-09
757	565546.9	4221946	2.008E-08	1.00E-09	9.51E-09	3.06E-08	1.06E-08	1.10E-09	9.51E-09	2.13E-08	2.64E-09	1.96E-10	3.11E-09	5.95E-09	2.04E-09	1.09E-10	1.42E-09	3.57E-09
758	565555.9	4221950	2.048E-08	1.00E-09	9.70E-09	3.12E-08	1.09E-08	1.10E-09	9.70E-09	2.17E-08	2.69E-09	1.96E-10	3.17E-09	6.06E-09	2.08E-09	1.09E-10	1.45E-09	3.64E-09
759	565564.8	4221954	2.087E-08	1.00E-09	9.89E-09	3.18E-08	1.11E-08	1.10E-09	9.89E-09	2.21E-08	2.74E-09	1.96E-10	3.24E-09	6.17E-09	2.12E-09	1.09E-10	1.48E-09	3.71E-09
760	565573.8	4221958	2.126E-08	1.00E-09	1.01E-08	3.23E-08	1.13E-08	1.10E-09	1.01E-08	2.24E-08	2.79E-09	1.96E-10	3.30E-09	6.29E-09	2.16E-09	1.09E-10	1.50E-09	3.77E-09
761	565600.8	4221969	2.243E-08	1.00E-09	1.06E-08	3.41E-08	1.19E-08	1.10E-09	1.06E-08	2.36E-08	2.95E-09	1.96E-10	3.48E-09	6.62E-09	2.28E-09	1.09E-10	1.59E-09	3.97E-09
762	565609.8	4221972	2.28E-08	1.00E-09	1.08E-08	3.46E-08	1.21E-08	1.10E-09	1.08E-08	2.40E-08	2.99E-09	1.96E-10	3.53E-09	6.73E-09	2.32E-09	1.09E-10	1.61E-09	4.04E-09
763	565618.8	4221976	2.318E-08	1.00E-09	1.10E-08	3.52E-08	1.23E-08	1.10E-09	1.10E-08	2.44E-08	3.04E-09	1.96E-10	3.59E-09	6.83E-09	2.36E-09	1.09E-10	1.64E-09	4.10E-09
764	565627.8	4221980	2.354E-08	1.00E-09	1.12E-08	3.57E-08	1.25E-08	1.10E-09	1.12E-08	2.47E-08	3.09E-09	1.96E-10	3.65E-09	6.94E-09	2.39E-09	1.09E-10	1.66E-09	4.17E-09
765	565636.8	4221983	2.39E-08	1.00E-09	1.13E-08	3.62E-08	1.27E-08	1.10E-09	1.13E-08	2.51E-08	3.14E-09	1.96E-10	3.70E-09	7.04E-09	2.43E-09	1.09E-10	1.69E-09	4.23E-09
766	565645.8	4221987	2.424E-08	1.00E-09	1.15E-08	3.67E-08	1.29E-08	1.10E-09	1.15E-08	2.54E-08	3.18E-09	1.96E-10	3.76E-09	7.14E-09	2.46E-09	1.09E-10	1.71E-09	4.29E-09
767	565654.8	4221991	2.457E-08	1.00E-09	1.16E-08	3.72E-08	1.30E-08	1.10E-09	1.16E-08	2.58E-08	3.23E-09	1.96E-10	3.81E-09	7.23E-09	2.50E-09	1.09E-10	1.74E-09	4.34E-09
768	565663.8	4221995	2.489E-08	1.00E-09	1.18E-08	3.77E-08	1.32E-08	1.10E-09	1.18E-08	2.61E-08	3.27E-09	1.96E-10	3.86E-09	7.32E-09	2.53E-09	1.09E-10	1.76E-09	4.40E-09
769	565672.8	4221998	2.519E-08	1.00E-09	1.19E-08	3.81E-08	1.34E-08	1.10E-09	1.19E-08	2.64E-08	3.31E-09	1.96E-10	3.90E-09	7.41E-09	2.56E-09	1.09E-10	1.78E-09	4.45E-09
770	565681.8	4222002	2.547E-08	1.00E-09	1.21E-08	3.85E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.34E-09	1.96E-10	3.95E-09	7.49E-09	2.59E-09	1.09E-10	1.80E-09	4.50E-09
771	565690.8	4222006	2.573E-08	1.00E-09	1.22E-08	3.89E-08	1.36E-08	1.10E-09	1.22E-08	2.69E-08	3.38E-09	1.96E-10	3.99E-09	7.56E-09	2.61E-09	1.09E-10	1.82E-09	4.54E-09
772	565699.7	4222009	2.597E-08	1.00E-09	1.23E-08	3.93E-08	1.38E-08	1.10E-09	1.23E-08	2.72E-08	3.41E-09	1.96E-10	4.03E-09	7.63E-09	2.64E-09	1.09E-10	1.84E-09	4.59E-09
773	565708.7	4222013	2.619E-08	1.00E-09	1.24E-08	3.96E-08	1.39E-08	1.10E-09	1.24E-08	2.74E-08	3.44E-09	1.96E-10	4.06E-09	7.70E-09	2.66E-09	1.09E-10	1.85E-09	4.62E-09
774	565537.2	4221922	1.795E-08	1.00E-09	8.51E-09	2.75E-08	9.52E-09	1.10E-09	8.51E-09	1.91E-08	2.36E-09	1.96E-10	2.78E-09	5.34E-09	1.82E-09	1.09E-10	1.27E-09	3.20E-09
775	565546.1	4221926	1.829E-08	1.00E-09	8.67E-09	2.80E-08	9.70E-09	1.10E-09	8.67E-09	1.95E-08	2.40E-09	1.96E-10	2.84E-09	5.43E-09	1.86E-09	1.09E-10	1.29E-09	3.26E-09
776	565554.9	4221930	1.864E-08	1.00E-09	8.83E-09	2.85E-08	9.88E-09	1.10E-09	8.83E-09	1.98E-08	2.45E-09	1.96E-10	2.89E-09	5.53E-09	1.89E-09	1.09E-10	1.32E-09	3.32E-09
777	565563.8	4221933	1.898E-08	1.00E-09	8.99E-09	2.90E-08	1.01E-08	1.10E-09	8.99E-09	2.02E-08	2.49E-09	1.96E-10	2.94E-09	5.63E-09	1.93E-09	1.09E-10	1.34E-09	3.38E-09
778	565572.6	4221937	1.933E-08	1.00E-09	9.16E-09	2.95E-08	1.02E-08	1.10E-09	9.16E-09	2.05E-08	2.54E-09	1.96E-10	3.00E-09	5.73E-09	1.96E-09	1.09E-10	1.37E-09	3.44E-09
779	565599.2	4221948	2.034E-08	1.00E-09	9.64E-09	3.10E-08	1.08E-08	1.10E-09	9.64E-09	2.15E-08	2.67E-09	1.96E-10	3.15E-09	6.02E-09	2.07E-09	1.09E-10	1.44E-09	3.61E-09
780	565608	4221952	2.067E-08	1.00E-09	9.79E-09	3.15E-08	1.10E-08	1.10E-09	9.79E-09	2.19E-08	2.72E-09	1.96E-10	3.20E-09	6.12E-09	2.10E-09	1.09E-10	1.46E-09	3.67E-09
781	565616.8	4221955	2.1E-08	1.00E-09	9.95E-09	3.20E-08	1.11E-08	1.10E-09	9.95E-09	2.22E-08	2.76E-09	1.96E-10	3.26E-09	6.21E-09	2.13E-09	1.09E-10	1.49E-09	3.73E-09

782	565625.7	4221959	2.133E-08	1.00E-09	1.01E-08	3.24E-08	1.13E-08	1.10E-09	1.01E-08	2.25E-08	2.80E-09	1.96E-10	3.31E-09	6.30E-09	2.17E-09	1.09E-10	1.51E-09	3.79E-09
783	565634.5	4221963	2.165E-08	1.00E-09	1.03E-08	3.29E-08	1.15E-08	1.10E-09	1.03E-08	2.28E-08	2.84E-09	1.96E-10	3.36E-09	6.40E-09	2.20E-09	1.09E-10	1.53E-09	3.84E-09
784	565643.4	4221966	2.196E-08	1.00E-09	1.04E-08	3.34E-08	1.16E-08	1.10E-09	1.04E-08	2.32E-08	2.88E-09	1.96E-10	3.40E-09	6.49E-09	2.23E-09	1.09E-10	1.55E-09	3.89E-09
785	565652.2	4221970	2.227E-08	1.00E-09	1.06E-08	3.38E-08	1.18E-08	1.10E-09	1.06E-08	2.35E-08	2.92E-09	1.96E-10	3.45E-09	6.57E-09	2.26E-09	1.09E-10	1.57E-09	3.95E-09
786	565661.1	4221973	2.256E-08	1.00E-09	1.07E-08	3.43E-08	1.20E-08	1.10E-09	1.07E-08	2.38E-08	2.96E-09	1.96E-10	3.50E-09	6.66E-09	2.29E-09	1.09E-10	1.60E-09	4.00E-09
787	565669.9	4221977	2.284E-08	1.00E-09	1.08E-08	3.47E-08	1.21E-08	1.10E-09	1.08E-08	2.40E-08	3.00E-09	1.96E-10	3.54E-09	6.74E-09	2.32E-09	1.09E-10	1.62E-09	4.05E-09
788	565678.8	4221981	2.311E-08	1.00E-09	1.09E-08	3.51E-08	1.23E-08	1.10E-09	1.09E-08	2.43E-08	3.04E-09	1.96E-10	3.58E-09	6.81E-09	2.35E-09	1.09E-10	1.63E-09	4.09E-09
789	565687.6	4221984	2.337E-08	1.00E-09	1.11E-08	3.54E-08	1.24E-08	1.10E-09	1.11E-08	2.46E-08	3.07E-09	1.96E-10	3.62E-09	6.89E-09	2.37E-09	1.09E-10	1.65E-09	4.14E-09
790	565696.5	4221988	2.361E-08	1.00E-09	1.12E-08	3.58E-08	1.25E-08	1.10E-09	1.12E-08	2.48E-08	3.10E-09	1.96E-10	3.66E-09	6.96E-09	2.40E-09	1.09E-10	1.67E-09	4.18E-09
791	565705.3	4221992	2.383E-08	1.00E-09	1.13E-08	3.61E-08	1.26E-08	1.10E-09	1.13E-08	2.50E-08	3.13E-09	1.96E-10	3.69E-09	7.02E-09	2.42E-09	1.09E-10	1.69E-09	4.22E-09
792	565714.2	4221995	2.404E-08	1.00E-09	1.14E-08	3.64E-08	1.27E-08	1.10E-09	1.14E-08	2.52E-08	3.16E-09	1.96E-10	3.73E-09	7.08E-09	2.44E-09	1.09E-10	1.70E-09	4.25E-09
793	565723	4221999	2.424E-08	1.00E-09	1.15E-08	3.67E-08	1.28E-08	1.10E-09	1.15E-08	2.54E-08	3.18E-09	1.96E-10	3.76E-09	7.14E-09	2.46E-09	1.09E-10	1.71E-09	4.29E-09
794	565735.5	4222011	2.526E-08	1.00E-09	1.20E-08	3.82E-08	1.34E-08	1.10E-09	1.20E-08	2.65E-08	3.32E-09	1.96E-10	3.92E-09	7.43E-09	2.57E-09	1.09E-10	1.79E-09	4.46E-09
795	565739.2	4222020	2.614E-08	1.00E-09	1.24E-08	3.95E-08	1.39E-08	1.10E-09	1.24E-08	2.73E-08	3.43E-09	1.96E-10	4.05E-09	7.68E-09	2.66E-09	1.09E-10	1.85E-09	4.62E-09
796	565538	4221903	1.65E-08	1.00E-09	7.82E-09	2.53E-08	8.75E-09	1.10E-09	7.82E-09	1.77E-08	2.17E-09	1.96E-10	2.56E-09	4.92E-09	1.68E-09	1.09E-10	1.17E-09	2.95E-09
797	565547	4221907	1.681E-08	1.00E-09	7.96E-09	2.58E-08	8.91E-09	1.10E-09	7.96E-09	1.80E-08	2.21E-09	1.96E-10	2.61E-09	5.01E-09	1.71E-09	1.09E-10	1.19E-09	3.01E-09
798	565556.1	4221910	1.712E-08	1.00E-09	8.11E-09	2.62E-08	9.07E-09	1.10E-09	8.11E-09	1.83E-08	2.25E-09	1.96E-10	2.65E-09	5.10E-09	1.74E-09	1.09E-10	1.21E-09	3.06E-09
799	565565.1	4221914	1.743E-08	1.00E-09	8.26E-09	2.67E-08	9.24E-09	1.10E-09	8.26E-09	1.86E-08	2.29E-09	1.96E-10	2.70E-09	5.19E-09	1.77E-09	1.09E-10	1.23E-09	3.11E-09
800	565574.1	4221918	1.774E-08	1.00E-09	8.41E-09	2.72E-08	9.41E-09	1.10E-09	8.41E-09	1.89E-08	2.33E-09	1.96E-10	2.75E-09	5.28E-09	1.80E-09	1.09E-10	1.25E-09	3.17E-09
801	565637.4	4221944	1.987E-08	1.00E-09	9.41E-09	3.03E-08	1.05E-08	1.10E-09	9.41E-09	2.10E-08	2.61E-09	1.96E-10	3.08E-09	5.88E-09	2.02E-09	1.09E-10	1.40E-09	3.53E-09
802	565646.5	4221947	2.016E-08	1.00E-09	9.55E-09	3.07E-08	1.07E-08	1.10E-09	9.55E-09	2.13E-08	2.65E-09	1.96E-10	3.12E-09	5.97E-09	2.05E-09	1.09E-10	1.43E-09	3.58E-09
803	565655.5	4221951	2.044E-08	1.00E-09	9.68E-09	3.11E-08	1.08E-08	1.10E-09	9.68E-09	2.16E-08	2.68E-09	1.96E-10	3.17E-09	6.05E-09	2.08E-09	1.09E-10	1.45E-09	3.63E-09
804	565664.6	4221955	2.071E-08	1.00E-09	9.81E-09	3.15E-08	1.10E-08	1.10E-09	9.81E-09	2.19E-08	2.72E-09	1.96E-10	3.21E-09	6.13E-09	2.10E-09	1.09E-10	1.46E-09	3.68E-09
805	565673.6	4221959	2.098E-08	1.00E-09	9.94E-09	3.19E-08	1.11E-08	1.10E-09	9.94E-09	2.22E-08	2.75E-09	1.96E-10	3.25E-09	6.20E-09	2.13E-09	1.09E-10	1.48E-09	3.72E-09
806	565682.7	4221962	2.123E-08	1.00E-09	1.01E-08	3.23E-08	1.13E-08	1.10E-09	1.01E-08	2.24E-08	2.79E-09	1.96E-10	3.29E-09	6.28E-09	2.16E-09	1.09E-10	1.50E-09	3.77E-09
807	565691.7	4221966	2.148E-08	1.00E-09	1.02E-08	3.27E-08	1.14E-08	1.10E-09	1.02E-08	2.27E-08	2.82E-09	1.96E-10	3.33E-09	6.35E-09	2.18E-09	1.09E-10	1.52E-09	3.81E-09
808	565700.7	4221970	2.171E-08	1.00E-09	1.03E-08	3.30E-08	1.15E-08	1.10E-09	1.03E-08	2.29E-08	2.85E-09	1.96E-10	3.37E-09	6.41E-09	2.21E-09	1.09E-10	1.54E-09	3.85E-09
809	565709.8	4221973	2.193E-08	1.00E-09	1.04E-08	3.33E-08	1.16E-08	1.10E-09	1.04E-08	2.31E-08	2.88E-09	1.96E-10	3.40E-09	6.48E-09	2.23E-09	1.09E-10	1.55E-09	3.89E-09
810	565718.8	4221977	2.214E-08	1.00E-09	1.05E-08	3.36E-08	1.17E-08	1.10E-09	1.05E-08	2.33E-08	2.91E-09	1.96E-10	3.43E-09	6.54E-09	2.25E-09	1.09E-10	1.57E-09	3.92E-09
811	565727.9	4221981	2.233E-08	1.00E-09	1.06E-08	3.39E-08	1.18E-08	1.10E-09	1.06E-08	2.35E-08	2.93E-09	1.96E-10	3.46E-09	6.59E-09	2.27E-09	1.09E-10	1.58E-09	3.96E-09
812	565736.9	4221985	2.251E-08	1.00E-09	1.07E-08	3.42E-08	1.19E-08	1.10E-09	1.07E-08	2.37E-08	2.96E-09	1.96E-10	3.49E-09	6.64E-09	2.29E-09	1.09E-10	1.59E-09	3.99E-09
813	565749.7	4221997	2.345E-08	1.00E-09	1.11E-08	3.56E-08	1.24E-08	1.10E-09	1.11E-08	2.46E-08	3.08E-09	1.96E-10	3.64E-09	6.91E-09	2.38E-09	1.09E-10	1.66E-09	4.15E-09
814	565753.5	4222006	2.425E-08	1.00E-09	1.15E-08	3.67E-08	1.29E-08	1.10E-09	1.15E-08	2.54E-08	3.18E-09	1.96E-10	3.76E-09	7.14E-09	2.46E-09	1.09E-10	1.71E-09	4.29E-09
815	565757.2	4222015	2.507E-08	1.00E-09	1.19E-08	3.79E-08	1.33E-08	1.10E-09	1.19E-08	2.63E-08	3.29E-09	1.96E-10	3.89E-09	7.37E-09	2.55E-09	1.09E-10	1.77E-09	4.43E-09
816	565537.4	4221883	1.519E-08	1.00E-09	7.20E-09	2.34E-08	8.05E-09	1.10E-09	7.20E-09	1.64E-08	1.99E-09	1.96E-10	2.35E-09	4.55E-09	1.54E-09	1.09E-10	1.07E-09	2.73E-09
817	565546.3	4221886	1.546E-08	1.00E-09	7.32E-09	2.38E-08	8.20E-09	1.10E-09	7.32E-09	1.66E-08	2.03E-09	1.96E-10	2.40E-09	4.62E-09	1.57E-09	1.09E-10	1.09E-09	2.77E-09
818	565555.2	4221890	1.573E-08	1.00E-09	7.45E-09	2.42E-08	8.34E-09	1.10E-09	7.45E-09	1.69E-08	2.07E-09	1.96E-10	2.44E-09	4.70E-09	1.60E-09	1.09E-10	1.11E-09	2.82E-09
819	565564.1	4221894	1.6E-08	1.00E-09	7.58E-09	2.46E-08	8.48E-09	1.10E-09	7.58E-09	1.72E-08	2.10E-09	1.96E-10	2.48E-09	4.78E-09	1.63E-09	1.09E-10	1.13E-09	2.87E-09
820	565573	4221897	1.628E-08	1.00E-09	7.71E-09	2.50E-08	8.63E-09	1.10E-09	7.71E-09	1.74E-08	2.14E-09	1.96E-10	2.52E-09	4.86E-09	1.65E-09	1.09E-10	1.15E-09	2.91E-09
821	565671	4221938	1.917E-08	1.00E-09	9.08E-09	2.93E-08	1.02E-08	1.10E-09	9.08E-09	2.03E-08	2.52E-09	1.96E-10	2.97E-09	5.68E-09	1.95E-09	1.09E-10	1.36E-09	3.41E-09
822	565679.9	4221941	1.94E-08	1.00E-09	9.19E-09	2.96E-08	1.03E-08	1.10E-09	9.19E-09	2.06E-08	2.55E-09	1.96E-10	3.01E-09	5.75E-09	1.97E-09	1.09E-10	1.37E-09	3.45E-09
823	565688.8	4221945	1.964E-08	1.00E-09	9.30E-09	2.99E-08	1.04E-08	1.10E-09	9.30E-09	2.08E-08	2.58E-09	1.96E-10	3.04E-09	5.82E-09	2.00E-09	1.09E-10	1.39E-09	3.49E-09
824	565697.7	4221949	1.986E-08	1.00E-09	9.41E-09	3.03E-08	1.05E-08	1.10E-09	9.41E-09	2.10E-08	2.61E-09	1.96E-10	3.08E-09	5.88E-09	2.02E-09	1.09E-10	1.40E-09	3.53E-09
825	565706.6	4221952	2.007E-08	1.00E-09	9.51E-09	3.06E-08	1.06E-08	1.10E-09	9.51E-09	2.13E-08	2.64E-09	1.96E-10	3.11E-09	5.94E-09	2.04E-09	1.09E-10	1.42E-09	3.57E-09
826	565715.5	4221956	2.027E-08	1.00E-09	9.61E-09	3.09E-08	1.07E-08	1.10E-09	9.61E-09	2.15E-08	2.66E-09	1.96E-10	3.14E-09	6.00E-09	2.06E-09	1.09E-10	1.43E-09	3.60E-09
827	565724.4	4221960	2.047E-08	1.00E-09	9.70E-09	3.12E-08	1.09E-08	1.10E-09	9.70E-09	2.16E-08	2.69E-09	1.96E-10	3.17E-09	6.06E-09	2.08E-09	1.09E-10	1.45E-09	3.64E-09
828	565733.3	4221963	2.065E-08	1.00E-09	9.78E-09	3.14E-08	1.09E-08	1.10E-09	9.78E-09	2.18E-08	2.71E-09	1.96E-10	3.20E-09	6.11E-09	2.10E-09	1.09E-10	1.46E-09	3.67E-09
829	565742.2	4221967	2.082E-08	1.00E-09	9.86E-09	3.17E-08	1.10E-08	1.10E-09	9.86E-09	2.20E-08	2.73E-09	1.96E-10	3.23E-09	6.16E-09	2.12E-09	1.09E-10	1.47E-09	3.70E-09
830	565751.2	4221971	2.097E-08	1.00E-09	9.94E-09	3.19E-08	1.11E-08	1.10E-09	9.94E-09	2.22E-08	2.75E-09	1.96E-10	3.25E-09	6.20E-09	2.13E-09	1.09E-10	1.48E-09	3.72E-09
831	565763.8	4221983	2.18E-08	1.00E-09	1.03E-08	3.31E-08	1.16E-08	1.10E-09	1.03E-08	2.30E-08	2.86E-09	1.96E-10	3.38E-09	6.44E-09	2.22E-09	1.09E-10	1.54E-09	3.87E-09
832	565767.5	4221992	2.251E-08	1.00E-09	1.07E-08	3.42E-08	1.19E-08	1.10E-09	1.07E-08	2.37E-08	2.96E-09	1.96E-10	3.49E-09	6.64E-09	2.29E-09	1.09E-10	1.59E-09	3.99E-09
833	565771.2	4222001	2.323E-08	1.00E-09	1.10E-08	3.52E-08	1.23E-08	1.10E-09	1.10E-08	2.44E-08	3.05E-09	1.96E-10	3.60E-09	6.85E-09	2.36E-09	1.09E-10	1.64E-09	4.11E-09
834	565774.9	4222010	2.396E-08	1.00E-09	1.14E-08	3.63E-08	1.27E-08	1.10E-09	1.14E-08	2.52E-08	3.15E-09	1.96E-10	3.71E-09	7.06E-09	2.44E-09	1.09E-10	1.69E-09	4.24E-09
835	565778.6	4222019	2.471E-08	1.00E-09	1.17E-08	3.74E-08	1.31E-08	1.10E-09	1.17E-08	2.59E-08	3.25E-09	1.96E-10	3.83E-09	7.27E-09	2.51E-09	1.09E-10	1.75E-09	4.37E-09
836	565538	4221863	1.407E-08	1.00E-09	6.66E-09	2.17E-08	7.46E-09	1.10E-09	6.66E-09	1.52E-08	1.85E-09	1.96E-10	2.18E-09	4.22E-09	1.43E-09	1.09E-10	9.95E-10	2.53E-09
837	565547.1	4221867	1.431E-08	1.00E-09	6.78E-09	2.21E-08	7.59E-09	1.10E-09	6.78E-09	1.55E-08	1.88E-09	1.96E-10	2.22E-09	4.29E-09	1.45E-09	1.09E-10	1.01E-09	2.58E-09
838	565556.2	4221870	1.456E-08	1.00E-09	6.90E-09	2.25E-08	7.72E-09	1.10E-09	6.90E-09	1.57E-08	1.91E-09	1.96E-10	2.26E-09	4.37E-09	1.48E-09	1.09E-10	1.03E-09	2.62E-09
839	565565.3	4221874	1.481E-08	1.00E-09	7.02E-09	2.28E-08	7.85E-09	1.10E-09	7.02E-09	1.60E-08	1.94E-09	1.96E-10	2.30E-09	4.44E-09	1.50E-09	1.09E-10	1.05E-09	2.66E-09
840	565574.4	4221878	1.506E-08	1.00E-09	7.13E-09	2.32E-08	7.98E-09	1.10E-09	7.13E-09	1.62E-08	1.98E-09	1.96E-10	2.33E-09	4.51E-09	1.53E-09	1.09E-10	1.07E-09	2.70E-09
841	565719.7	4221938	1.877E-08	1.00E-09	8.89E-09	2.87E-08	9.95E-09	1.10E-09	8.89E-09	1.99E-08	2.46E-09	1.96E-10	2.91E-09	5.57E-09	1.91E-09	1.09E-10	1.33E-09	3.34E-09
842	565728.8	4221941	1.895E-08	1.00E-09	8.98E-09	2.89E-08	1.00E-08	1.10E-09	8.98E-09	2.01E-08	2.49E-09	1.96E-10	2.94E-09	5.62E-09	1.93E-09	1.09E-10	1.34E-09	3.38E-09
843	565737.8	4221945	1.913E-08	1.00E-09	9.06E-09	2.92E-08	1.01E-08	1.10E-09	9.06E-09	2.03E-08	2.51E-09	1.96E-10	2.96E-09	5.67E-09	1.94E-09	1.09E-10	1.35E-09	3.41E-09
844	565746.9	4221949	1.929E-08	1.00E-09	9.14E-09	2.94E-08	1.02E-08	1.10E-09	9.14E-09	2.05E-08	2.53E-09	1.96E-10	2.99E-09	5.72E-09	1.96E-09	1.09E-10	1.36E-09	3.43E-09
845	565756	4221953	1.944E-08	1.00E-09	9.21E-09	2.97E-08	1.03E-08	1.10E-09	9.21E-09	2.06E-08	2.55E-09	1.96E-10	3.01E-09	5.76E-09	1.98E-09	1.09E-10	1.38E-09	3.46E-09
846	565765.1	4221956	1.959E-08	1.00E-09	9.28E-09	2.99E-08	1.04E-08	1.10E-09	9.28E-09	2.08E-08	2.57E-09	1.96E-10	3.04E-09	5.80E-09	1.99E-09	1.09E-10	1.39E-09	3.49E-09
847	565781.7	4221978	2.099E-08	1.00E-09	9.95E-09	3.19E-08	1.11E-08	1.10E-09	9.95E-09	2.22E-08	2.76E-09	1.96E-10	3.25E-09	6.21E-09	2.13E-09	1.09E-10	1.48E-09	3.73E-09
848	565785.5	4221987	2.165E-08	1.00E-09	1.03E-08	3.29E-08	1.15E-08	1.10E-09	1.03E-08	2.28E-08	2.84E-09	1.96E-10	3.36E-09	6.40E-09	2.20E-09	1.09E-10	1.53E-09	3.84E-09
849	565789.3	4221996	2.233E-08	1.00E-09	1.06E-08	3.39E-08	1.18E-08	1.10E-09	1.06E-08	2.35E-08	2.93E-09	1.96E-10	3.46E-09	6.59E-09	2.27E-09	1.09E-10	1.58E-09	3.96E-09
850	565793.1	4222005	2.302E-08	1.00E-09	1.09E-08	3.49E-08	1.22E-08	1.10E-09	1.09E-08	2.42E-08	3.02E-09	1.96E-10	3.57E-09	6.79E-09	2.34E-09	1.09E-10	1.63E-09	4.08E-09
851	565537.5	4221843	1.304E-08	1.00E-09	6.18E-09	2.02E-08	6.91E-09	1.10E-09	6.18E-09	1.42E-08	1.71E-09	1.96E-10	2.02E-09	3.93E-09	1.33E-09	1.09E-10	9.22E-10	2.36E-09
852	565546.5	4221846	1.326E-08	1.00E-09	6.28E-09	2.05E-08	7.03E-09	1.10E-09	6.28E-09	1.44E-08	1.74E-09	1.96E-10	2.06E-09	3.99E-09	1.35E-09	1.09E-10	9.38E-10	2.39E-09
853	565555.4	4221850	1.348E-08	1.00E-09	6.39E-09	2.09E-08	7.15E-09	1.10E-09	6.39E-09	1.46E-08	1.77E-09	1.96E-10	2.09E-09	4.06E-09	1.37E-09	1.09E-10	9.53E-10	2.43E-09
854	565564.4	4221854	1.37E-08	1.00E-09	6.49E-09	2.12E-08	7.26E-09	1.10E-09	6.49E-09	1.49E-08	1.80E-09	1.96E-10	2.12E-09	4.12E-09	1.39E-09	1.09E-10	9.69E-10	2.47E-09
855	565573.3	4221857	1.392E-08	1.00E-09	6.59E-09	2.15E-08	7.38E-09	1.10E-09	6.59E-09	1.51E-08	1.83E-09	1.96E-10	2.16E-09	4.18E-09	1.41E-09	1.09E-10	9.84E-10	2.51E-09
856	565761.4	4221935	1.809E-08	1.00E-09	8.57E-09	2.77E-08	9.59E-09	1.10E-09	8.57E-09	1.93E-08	2.38E-09	1.96E-10	2.80E-09	5.38E-09	1.84E-09	1.09E-10	1.28E-09	3.23E-09
857	565538.1	4221823	1.216E-08	1.00E-09	5.76E-09	1.89E-08	6.45E-09	1.10E-09	5.76E-09	1.33E-08	1.60E-09	1.96E-10	1.88E-09	3.68E-09	1.24E-09	1.09E-10	8.60E-10	2.20E-09
858	565547.2	4221827	1.235E-08	1.00E-09	5.85E-09	1.92E-08	6.55E-09	1.10E-09	5.85E-09	1.35E-08	1.62E-09	1.96E-10	1.91E-09	3.73E-09	1.26E-09	1.09E-10	8.74E-10	2.24E-09
859	565556.3	4221830	1.255E-08	1.00E-09	5.95E-09	1.95E-08	6.66E-09	1.10E-09	5.95E-09	1.37E-08	1.65E-09	1.96E-10	1.95E-09	3.79E-09	1.28E-09	1.09E-10	8.88E-10	2.27E-09
860	565565.4	4221834	1.276E-08	1.00E-09	6.04E-09	1.98E-08	6.76E-09	1.10E-09	6.04E-09	1.39E-08	1.68E-09	1.96E-10	1.98E-09	3.85E-09	1.30E-09	1.09E-10	9.02E-10	2.31E-09
861	565574.5	4221838	1.296E-08	1.00E-09	6.14E-09	2.01E-08	6.87E-09	1.10E-09	6.14E-09	1.41E-08	1.70E-09	1.96E-10	2.01E-09	3.91E-09	1.32E-09	1.09E-10	9.17E-10	2.34E-09
862	565855.5	4222059	2.479E-08	1.00E-09	1.17E-08	3.75E-08	1.31E-08	1.10E-09	1.17E-08	2.60E-08	3.26E-09	1.96E-10	3.84E-09	7.29E-09	2.52E-09	1.09E-10	1.75E-09	4.38E-09
863	565859.3	4222068	2.539E-08	1.00E-09	1.20E-08	3.84E-08	1.35E-08	1.10E-09	1.20E-08	2.66E-08	3.33E-09	1.96E-10	3.94E-09	7.47E-09	2.58E-09	1.09E-10	1.80E-09	4.48E-09
864	565863.1	4222077	2.602E-08	1.00E-09	1.23E-08	3.93E-08	1.38E-08	1.10E-09	1.23E-08	2.72E-08	3.42E-09	1.96E-10	4.03E-09	7.65E-09	2.64E-09	1.09E-10	1.84E-09	4.59E-09
865	565866.9	4222086	2.664E-08	1.00E-09	1.26E-08	4.03E-08	1.41E-08	1.10E-09	1.26E-08	2.78E-08	3.50E-09	1.96E-10	4.13E-09	7.83E-09	2.71E-09	1.09E-10	1.88E-09	4.70E-09
866	565870.7	4222095	2.726E-08	1.00E-09	1.29E-08	4.12E-08	1.45E-08	1.10E-09	1.29E-08	2.85E-08	3.58E-09	1.96E-10	4.22E-09	8.00E-09	2.77E-09	1.09E-10	1.93E-09	4.81E-09
867	565874.5	4222105	2.782E-08	1.00E-09	1.32E-08	4.20E-08	1.48E-08	1.10E-09	1.32E-08	2.90E-08	3.65E-09	1.96E-10	4.31E-09	8.16E-09	2.83E-09	1.09E-10	1.97E-09	4.90E-09
868	565537.6	4221803	1.134E-08	1.00E-09	5.37E-09	1.77E-08	6.01E-09	1.10E-09	5.37E-09	1.25E-08	1.49E-09	1.96E-10	1.76E-09	3.44E-09	1.15E-09	1.09E-10	8.02E-10	2.06E-09
869	565546.6	4221806	1.152E-08	1.00E-09	5.46E-09	1.80E-08	6.11E-09	1.10E-09	5.46E-09	1.27E-08	1.51E-09	1.96E-10	1.79E-09	3.49E-09	1.17E-09	1.09E-10	8.15E-10	2.09E-09
870	565555.6	4221810	1.17E-08	1.00E-09	5.54E-09	1.82E-08	6.20E-09	1.10E-09	5.54E-09	1.28E-08	1.54E-09	1.96E-10	1.81E-09	3.55E-09	1.19E-09	1.09E-10	8.27E-10	2.13E-09
871	565564.6	4221814	1.188E-08	1.00E-09	5.63E-09	1.85E-08	6.30E-09	1.10E-09	5.63E-09	1.30E-08	1.56E-09	1.96E-10	1.84E-09	3.60E-09	1.21E-09	1.09E-10	8.40E-10	2.16E-09
872	565573.6	4221818	1.206E-08	1.00E-09	5.71E-09	1.88E-08	6.40E-09	1.10E-09	5.71E-09	1.32E-08	1.58E-09	1.96E-10	1.87E-09	3.65E-09	1.23E-09	1.09E-10	8.53E-10	2.19E-09
873	565582.6	4221821	1.225E-08	1.00E-09	5.80E-09	1.91E-08	6.49E-09	1.10E-09	5.80E-09	1.34E-08	1.61E-09	1.96E-10	1.90E-09	3.70E-09	1.24E-09	1.09E-10	8.66E-10	2.22E-09
874	565846.5	4221989	2.03E-08	1.00E-09	9.62E-09	3.09E-08	1.08E-08	1.10E-09	9.62E-09	2.15E-08	2.67E-09	1.96E-10	3.15E-09	6.01E-09	2.06E-09	1.09E-10	1.44E-09	3.61E-09
875	565850.2	4221998	2.084E-08	1.00E-09	9.87E-09	3.17E-08	1.10E-08	1.10E-09	9.87E-09	2.20E-08	2.74E-09	1.96E-10	3.23E-09	6.16E-09	2.12E-09	1.09E-10	1.47E-09	3.70E-09
876	565853.9	4222007	2.079E-08	1.00E-09	9.85E-09	3.16E-08	1.10E-08	1.10E-09	9.85E-09	2.20E-08	2.73E-09	1.96E-10	3.22E-09	6.15E-09	2.11E-09	1.09E-10	1.47E-09	3.69E-09
877	565857.7	4222016	2.134E-08	1.00E-09	1.01E-08	3.25E-08	1.13E-08	1.10E-09	1.01E-08	2.25E-08	2.80E-09	1.96E-10	3.31E-09	6.31E-09	2.17E-09	1.09E-10	1.51E-09	3.79E-09
878	565872.7	4222052	2.353E-08	1.00E-09	1.11E-08	3.57E-08	1.25E-08	1.10E-09	1.11E-08	2.47E-08	3.09E-09	1.96E-10	3.65E-09	6.93E-09	2.39E-09	1.09E-10	1.66E-09	4.17E-09
879	565876.4	4222061	2.409E-08	1.00E-09	1.14E-08	3.65E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.16E-09	1.96E-10	3.73E-09	7.09E-09	2.45E-09	1.09E-10	1.70E-09	4.26E-09
880	565880.2	4222070	2.465E-08	1.00E-09	1.17E-08	3.73E-08	1.31E-08	1.10E-09	1.17E-08	2.58E-08	3.24E-09	1.96E-10	3.82E-09	7.25E-09	2.50E-09	1.09E-10	1.74E-09	4.36E-09
881	565883.9	4222079	2.521E-08	1.00E-09	1.19E-08	3.82E-08	1.34E-08	1.10E-09	1.19E-08	2.64E-08	3.31E-09	1.96E-10	3.91E-09	7.41E-09	2.56E-09	1.09E-10	1.78E-09	4.45E-09
882	565887.6	4222088	2.574E-08	1.00E-09	1.22E-08	3.89E-08	1.36E-08	1.10E-09	1.22E-08	2.69E-08	3.38E-09	1.96E-10	3.99E-09	7.57E-09	2.62E-09	1.09E-10	1.82E-09	4.55E-09
883	565891.4	4222097	2.626E-08	1.00E-09	1.24E-08	3.97E-08	1.39E-08	1.10E-09	1.24E-08	2.75E-08	3.45E-09	1.96E-10	4.07E-09	7.72E-09	2.67E-09	1.09E-10	1.86E-09	4.64E-09
884	565895.1	4222106	2.674E-08	1.00E-09	1.27E-08	4.04E-08	1.42E-08	1.10E-09	1.27E-08	2.79E-08	3.51E-09	1.96E-10	4.15E-09	7.85E-09	2.72E-09	1.09E-10	1.89E-09	4.72E-09
885	565898.9	4222115	2.721E-08	1.00E-09	1.29E-08	4.11E-08	1.44E-08	1.10E-09	1.29E-08	2.84E-08	3.57E-09	1.96E-10	4.22E-09	7.99E-09	2.77E-09	1.09E-10	1.92E-09	4.80E-09
886	565902.6	4222124	2.768E-08	1.00E-09	1.31E-08	4.18E-08	1.47E-08	1.10E-09	1.31E-08	2.89E-08	3.64E-09	1.96E-10	4.29E-09	8.12E-09	2.81E-09	1.09E-10	1.96E-09	4.88E-09
887	565906.4	4222133	2.815E-08	1.00E-09	1.33E-08	4.25E-08	1.49E-08	1.10E-09	1.33E-08	2.94E-08	3.70E-09	1.96E-10	4.36E-09	8.26E-09	2.86E-09	1.09E-10	1.99E-09	4.96E-09
888	565538.1	4221783	1.063E-08	1.00E-09	5.04E-09	1.67E-08	5.64E-09	1.10E-09	5.04E-09	1.18E-08	1.40E-09	1.96E-10	1.65E-09	3.24E-09	1.08E-09	1.09E-10	7.52E-10	1.94E-09
889	565547.2	4221787	1.08E-08	1.00E-09	5.11E-09	1.69E-08	5.72E-09	1.10E-09	5.11E-09	1.19E-08	1.42E-09	1.96E-10	1.67E-09	3.29E-09	1.10E-09	1.09E-10	7.63E-10	1.97E-09
890	565556.4	4221790	1.096E-08	1.00E-09	5.19E-09	1.72E-08	5.81E-09	1.10E-09	5.19E-09	1.21E-08	1.44E-09	1.96E-10	1.70E-09	3.33E-09	1.11E-09	1.09E-10	7.75E-10	2.00E-09
891	565565.5	4221794	1.113E-08	1.00E-09	5.27E-09	1.74E-08	5.90E-09	1.10E-09	5.27E-09	1.23E-08	1.46E-09	1.96E-10	1.73E-09	3.38E-09	1.13E-09	1.09E-10	7.87E-10	2.03E-09
892	565574.7	4221798	1.13E-08	1.00E-09	5.35E-09	1.77E-08	5.99E-09	1.10E-09	5.35E-09	1.24E-08	1.48E-09	1.96E-10	1.75E-09	3.43E-09	1.15E-09	1.09E-10	7.99E-10	2.06E-09
893	565583.8	4221802	1.147E-08	1.00E-09	5.43E-09	1.79E-08	6.08E-09	1.10E-09	5.43E-09	1.26E-08	1.51E-09	1.96E-10	1.78E-09	3.48E-09	1.17E-09	1.09E-10	8.11E-10	2.09E-09

894	565864.8	4221985	1.9E-08	1.00E-09	9.00E-09	2.90E-08	1.01E-08	1.10E-09	9.00E-09	2.02E-08	2.49E-09	1.96E-10	2.94E-09	5.64E-09	1.93E-09	1.09E-10	1.34E-09	3.38E-09
895	565868.7	4221995	1.949E-08	1.00E-09	9.23E-09	2.97E-08	1.03E-08	1.10E-09	9.23E-09	2.07E-08	2.56E-09	1.96E-10	3.02E-09	5.78E-09	1.98E-09	1.09E-10	1.38E-09	3.47E-09
896	565872.5	4222004	1.998E-08	1.00E-09	9.46E-09	3.04E-08	1.06E-08	1.10E-09	9.46E-09	2.12E-08	2.62E-09	1.96E-10	3.10E-09	5.92E-09	2.03E-09	1.09E-10	1.41E-09	3.55E-09
897	565876.3	4222013	2.048E-08	1.00E-09	9.70E-09	3.12E-08	1.09E-08	1.10E-09	9.70E-09	2.17E-08	2.69E-09	1.96E-10	3.17E-09	6.06E-09	2.08E-09	1.09E-10	1.45E-09	3.64E-09
898	565880.1	4222022	2.1E-08	1.00E-09	9.95E-09	3.19E-08	1.11E-08	1.10E-09	9.95E-09	2.22E-08	2.76E-09	1.96E-10	3.25E-09	6.21E-09	2.13E-09	1.09E-10	1.48E-09	3.73E-09
899	565883.9	4222031	2.151E-08	1.00E-09	1.02E-08	3.27E-08	1.14E-08	1.10E-09	1.02E-08	2.27E-08	2.83E-09	1.96E-10	3.34E-09	6.36E-09	2.19E-09	1.09E-10	1.52E-09	3.82E-09
900	565887.7	4222040	2.203E-08	1.00E-09	1.04E-08	3.35E-08	1.17E-08	1.10E-09	1.04E-08	2.32E-08	2.89E-09	1.96E-10	3.42E-09	6.51E-09	2.24E-09	1.09E-10	1.56E-09	3.91E-09
901	565891.5	4222049	2.255E-08	1.00E-09	1.07E-08	3.42E-08	1.20E-08	1.10E-09	1.07E-08	2.37E-08	2.96E-09	1.96E-10	3.50E-09	6.65E-09	2.29E-09	1.09E-10	1.59E-09	4.00E-09
902	565895.3	4222058	2.306E-08	1.00E-09	1.09E-08	3.50E-08	1.22E-08	1.10E-09	1.09E-08	2.43E-08	3.03E-09	1.96E-10	3.58E-09	6.80E-09	2.34E-09	1.09E-10	1.63E-09	4.08E-09
903	565899.1	4222068	2.357E-08	1.00E-09	1.12E-08	3.57E-08	1.25E-08	1.10E-09	1.12E-08	2.48E-08	3.10E-09	1.96E-10	3.65E-09	6.95E-09	2.40E-09	1.09E-10	1.67E-09	4.17E-09
904	565902.9	4222077	2.407E-08	1.00E-09	1.14E-08	3.65E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.16E-09	1.96E-10	3.73E-09	7.09E-09	2.45E-09	1.09E-10	1.70E-09	4.26E-09
905	565906.7	4222086	2.456E-08	1.00E-09	1.16E-08	3.72E-08	1.30E-08	1.10E-09	1.16E-08	2.58E-08	3.23E-09	1.96E-10	3.81E-09	7.23E-09	2.50E-09	1.09E-10	1.74E-09	4.34E-09
906	565910.5	4222095	2.504E-08	1.00E-09	1.19E-08	3.79E-08	1.33E-08	1.10E-09	1.19E-08	2.62E-08	3.29E-09	1.96E-10	3.88E-09	7.37E-09	2.54E-09	1.09E-10	1.77E-09	4.42E-09
907	565914.3	4222104	2.55E-08	1.00E-09	1.21E-08	3.86E-08	1.35E-08	1.10E-09	1.21E-08	2.67E-08	3.35E-09	1.96E-10	3.95E-09	7.50E-09	2.59E-09	1.09E-10	1.80E-09	4.50E-09
908	565918.1	4222113	2.595E-08	1.00E-09	1.23E-08	3.93E-08	1.38E-08	1.10E-09	1.23E-08	2.72E-08	3.41E-09	1.96E-10	4.02E-09	7.63E-09	2.64E-09	1.09E-10	1.84E-09	4.58E-09
909	565921.9	4222122	2.638E-08	1.00E-09	1.25E-08	3.99E-08	1.40E-08	1.10E-09	1.25E-08	2.76E-08	3.46E-09	1.96E-10	4.09E-09	7.75E-09	2.68E-09	1.09E-10	1.87E-09	4.66E-09
910	565886.1	4221988	1.867E-08	1.00E-09	8.85E-09	2.85E-08	9.90E-09	1.10E-09	8.85E-09	1.98E-08	2.45E-09	1.96E-10	2.89E-09	5.54E-09	1.90E-09	1.09E-10	1.32E-09	3.33E-09
911	565889.8	4221997	1.911E-08	1.00E-09	9.05E-09	2.92E-08	1.01E-08	1.10E-09	9.05E-09	2.03E-08	2.51E-09	1.96E-10	2.96E-09	5.67E-09	1.94E-09	1.09E-10	1.35E-09	3.40E-09
912	565893.6	4222006	1.956E-08	1.00E-09	9.27E-09	2.98E-08	1.04E-08	1.10E-09	9.27E-09	2.07E-08	2.57E-09	1.96E-10	3.03E-09	5.80E-09	1.99E-09	1.09E-10	1.38E-09	3.48E-09
913	565897.3	4222015	2.003E-08	1.00E-09	9.49E-09	3.05E-08	1.06E-08	1.10E-09	9.49E-09	2.12E-08	2.63E-09	1.96E-10	3.10E-09	5.93E-09	2.04E-09	1.09E-10	1.42E-09	3.56E-09
914	565901.1	4222024	2.048E-08	1.00E-09	9.70E-09	3.12E-08	1.09E-08	1.10E-09	9.70E-09	2.17E-08	2.69E-09	1.96E-10	3.18E-09	6.06E-09	2.08E-09	1.09E-10	1.45E-09	3.64E-09
915	565904.9	4222033	2.093E-08	1.00E-09	9.92E-09	3.19E-08	1.11E-08	1.10E-09	9.92E-09	2.21E-08	2.75E-09	1.96E-10	3.24E-09	6.19E-09	2.13E-09	1.09E-10	1.48E-09	3.72E-09
916	565908.6	4222042	2.139E-08	1.00E-09	1.01E-08	3.25E-08	1.13E-08	1.10E-09	1.01E-08	2.26E-08	2.81E-09	1.96E-10	3.32E-09	6.32E-09	2.17E-09	1.09E-10	1.51E-09	3.80E-09
917	565912.4	4222051	2.185E-08	1.00E-09	1.04E-08	3.32E-08	1.16E-08	1.10E-09	1.04E-08	2.30E-08	2.87E-09	1.96E-10	3.39E-09	6.45E-09	2.22E-09	1.09E-10	1.55E-09	3.88E-09
918	565916.1	4222060	2.232E-08	1.00E-09	1.06E-08	3.39E-08	1.18E-08	1.10E-09	1.06E-08	2.35E-08	2.93E-09	1.96E-10	3.46E-09	6.59E-09	2.27E-09	1.09E-10	1.58E-09	3.96E-09
919	565919.9	4222069	2.277E-08	1.00E-09	1.08E-08	3.46E-08	1.21E-08	1.10E-09	1.08E-08	2.40E-08	2.99E-09	1.96E-10	3.53E-09	6.72E-09	2.31E-09	1.09E-10	1.61E-09	4.03E-09
920	565923.7	4222078	2.321E-08	1.00E-09	1.10E-08	3.52E-08	1.23E-08	1.10E-09	1.10E-08	2.44E-08	3.05E-09	1.96E-10	3.60E-09	6.84E-09	2.36E-09	1.09E-10	1.64E-09	4.11E-09
921	565927.4	4222087	2.365E-08	1.00E-09	1.12E-08	3.59E-08	1.25E-08	1.10E-09	1.12E-08	2.48E-08	3.11E-09	1.96E-10	3.67E-09	6.97E-09	2.40E-09	1.09E-10	1.67E-09	4.18E-09
922	565931.2	4222096	2.407E-08	1.00E-09	1.14E-08	3.65E-08	1.28E-08	1.10E-09	1.14E-08	2.53E-08	3.16E-09	1.96E-10	3.73E-09	7.09E-09	2.45E-09	1.09E-10	1.70E-09	4.26E-09
923	565934.9	4222106	2.447E-08	1.00E-09	1.16E-08	3.71E-08	1.30E-08	1.10E-09	1.16E-08	2.57E-08	3.21E-09	1.96E-10	3.79E-09	7.20E-09	2.49E-09	1.09E-10	1.73E-09	4.33E-09
924	565590.8	4221765	1.019E-08	1.00E-09	4.83E-09	1.60E-08	5.40E-09	1.10E-09	4.83E-09	1.13E-08	1.34E-09	1.96E-10	1.58E-09	3.11E-09	1.04E-09	1.09E-10	7.21E-10	1.87E-09
925	565599.7	4221768	1.033E-08	1.00E-09	4.89E-09	1.62E-08	5.48E-09	1.10E-09	4.89E-09	1.15E-08	1.36E-09	1.96E-10	1.60E-09	3.15E-09	1.05E-09	1.09E-10	7.30E-10	1.89E-09
926	565608.7	4221772	1.047E-08	1.00E-09	4.96E-09	1.64E-08	5.55E-09	1.10E-09	4.96E-09	1.16E-08	1.37E-09	1.96E-10	1.62E-09	3.19E-09	1.06E-09	1.09E-10	7.40E-10	1.91E-09
927	565617.6	4221776	1.06E-08	1.00E-09	5.02E-09	1.66E-08	5.62E-09	1.10E-09	5.02E-09	1.17E-08	1.39E-09	1.96E-10	1.64E-09	3.23E-09	1.08E-09	1.09E-10	7.50E-10	1.94E-09
928	565626.5	4221779	1.074E-08	1.00E-09	5.09E-09	1.68E-08	5.69E-09	1.10E-09	5.09E-09	1.19E-08	1.41E-09	1.96E-10	1.66E-09	3.27E-09	1.09E-09	1.09E-10	7.60E-10	1.96E-09
929	565907.2	4221991	1.83E-08	1.00E-09	8.67E-09	2.80E-08	9.70E-09	1.10E-09	8.67E-09	1.95E-08	2.40E-09	1.96E-10	2.84E-09	5.44E-09	1.86E-09	1.09E-10	1.29E-09	3.26E-09
930	565910.9	4222000	1.873E-08	1.00E-09	8.87E-09	2.86E-08	9.93E-09	1.10E-09	8.87E-09	1.99E-08	2.46E-09	1.96E-10	2.90E-09	5.56E-09	1.90E-09	1.09E-10	1.32E-09	3.34E-09
931	565914.6	4222009	1.916E-08	1.00E-09	9.08E-09	2.92E-08	1.02E-08	1.10E-09	9.08E-09	2.03E-08	2.52E-09	1.96E-10	2.97E-09	5.68E-09	1.95E-09	1.09E-10	1.35E-09	3.41E-09
932	565918.3	4222018	1.956E-08	1.00E-09	9.26E-09	2.98E-08	1.04E-08	1.10E-09	9.26E-09	2.07E-08	2.57E-09	1.96E-10	3.03E-09	5.80E-09	1.99E-09	1.09E-10	1.38E-09	3.48E-09
933	565922	4222027	1.996E-08	1.00E-09	9.46E-09	3.04E-08	1.06E-08	1.10E-09	9.46E-09	2.11E-08	2.62E-09	1.96E-10	3.09E-09	5.91E-09	2.03E-09	1.09E-10	1.41E-09	3.55E-09
934	565925.8	4222035	2.038E-08	1.00E-09	9.65E-09	3.10E-08	1.08E-08	1.10E-09	9.65E-09	2.16E-08	2.68E-09	1.96E-10	3.16E-09	6.03E-09	2.07E-09	1.09E-10	1.44E-09	3.62E-09
935	565929.5	4222044	2.079E-08	1.00E-09	9.85E-09	3.16E-08	1.10E-08	1.10E-09	9.85E-09	2.20E-08	2.73E-09	1.96E-10	3.22E-09	6.15E-09	2.11E-09	1.09E-10	1.47E-09	3.69E-09
936	565944.4	4222080	2.237E-08	1.00E-09	1.06E-08	3.40E-08	1.19E-08	1.10E-09	1.06E-08	2.36E-08	2.94E-09	1.96E-10	3.47E-09	6.60E-09	2.27E-09	1.09E-10	1.58E-09	3.96E-09
937	565948.1	4222089	2.275E-08	1.00E-09	1.08E-08	3.45E-08	1.21E-08	1.10E-09	1.08E-08	2.39E-08	2.99E-09	1.96E-10	3.53E-09	6.71E-09	2.31E-09	1.09E-10	1.61E-09	4.03E-09
938	565546.7	4221727	8.968E-09	1.00E-09	4.25E-09	1.42E-08	4.75E-09	1.10E-09	4.25E-09	1.01E-08	1.18E-09	1.96E-10	1.39E-09	2.76E-09	9.11E-10	1.09E-10	6.34E-10	1.65E-09
939	565555.8	4221730	9.092E-09	1.00E-09	4.31E-09	1.44E-08	4.82E-09	1.10E-09	4.31E-09	1.02E-08	1.19E-09	1.96E-10	1.41E-09	2.80E-09	9.24E-10	1.09E-10	6.43E-10	1.68E-09
940	565564.8	4221734	9.217E-09	1.00E-09	4.37E-09	1.46E-08	4.89E-09	1.10E-09	4.37E-09	1.04E-08	1.21E-09	1.96E-10	1.43E-09	2.84E-09	9.37E-10	1.09E-10	6.52E-10	1.70E-09
941	565573.9	4221738	9.343E-09	1.00E-09	4.43E-09	1.48E-08	4.95E-09	1.10E-09	4.43E-09	1.05E-08	1.23E-09	1.96E-10	1.45E-09	2.87E-09	9.49E-10	1.09E-10	6.61E-10	1.72E-09
942	565583	4221741	9.47E-09	1.00E-09	4.49E-09	1.50E-08	5.02E-09	1.10E-09	4.49E-09	1.06E-08	1.24E-09	1.96E-10	1.47E-09	2.91E-09	9.62E-10	1.09E-10	6.70E-10	1.74E-09
943	565592	4221745	9.598E-09	1.00E-09	4.55E-09	1.52E-08	5.09E-09	1.10E-09	4.55E-09	1.07E-08	1.26E-09	1.96E-10	1.49E-09	2.94E-09	9.75E-10	1.09E-10	6.79E-10	1.76E-09
944	565601.1	4221749	9.728E-09	1.00E-09	4.61E-09	1.53E-08	5.16E-09	1.10E-09	4.61E-09	1.09E-08	1.28E-09	1.96E-10	1.51E-09	2.98E-09	9.89E-10	1.09E-10	6.88E-10	1.79E-09
945	565610.1	4221753	9.858E-09	1.00E-09	4.67E-09	1.55E-08	5.23E-09	1.10E-09	4.67E-09	1.10E-08	1.29E-09	1.96E-10	1.53E-09	3.02E-09	1.00E-09	1.09E-10	6.97E-10	1.81E-09
946	565619.2	4221756	9.986E-09	1.00E-09	4.73E-09	1.57E-08	5.29E-09	1.10E-09	4.73E-09	1.11E-08	1.31E-09	1.96E-10	1.55E-09	3.06E-09	1.01E-09	1.09E-10	7.06E-10	1.83E-09
947	565628.3	4221760	1.011E-08	1.00E-09	4.79E-09	1.59E-08	5.36E-09	1.10E-09	4.79E-09	1.12E-08	1.33E-09	1.96E-10	1.57E-09	3.09E-09	1.03E-09	1.09E-10	7.15E-10	1.85E-09
948	565682.6	4221782	1.086E-08	1.00E-09	5.14E-09	1.70E-08	5.76E-09	1.10E-09	5.14E-09	1.20E-08	1.43E-09	1.96E-10	1.68E-09	3.31E-09	1.10E-09	1.09E-10	7.68E-10	1.98E-09
949	565691.7	4221786	1.098E-08	1.00E-09	5.20E-09	1.72E-08	5.82E-09	1.10E-09	5.20E-09	1.21E-08	1.44E-09	1.96E-10	1.70E-09	3.34E-09	1.12E-09	1.09E-10	7.77E-10	2.00E-09
950	565700.8	4221790	1.111E-08	1.00E-09	5.26E-09	1.74E-08	5.89E-09	1.10E-09	5.26E-09	1.23E-08	1.46E-09	1.96E-10	1.72E-09	3.38E-09	1.13E-09	1.09E-10	7.85E-10	2.02E-09
951	565709.8	4221794	1.123E-08	1.00E-09	5.32E-09	1.76E-08	5.95E-09	1.10E-09	5.32E-09	1.24E-08	1.47E-09	1.96E-10	1.74E-09	3.41E-09	1.14E-09	1.09E-10	7.94E-10	2.04E-09
952	565937	4222015	1.883E-08	1.00E-09	8.92E-09	2.88E-08	9.98E-09	1.10E-09	8.92E-09	2.00E-08	2.47E-09	1.96E-10	2.92E-09	5.59E-09	1.91E-09	1.09E-10	1.33E-09	3.35E-09
953	565940.8	4222024	1.923E-08	1.00E-09	9.11E-09	2.93E-08	1.02E-08	1.10E-09	9.11E-09	2.04E-08	2.53E-09	1.96E-10	2.98E-09	5.70E-09	1.95E-09	1.09E-10	1.36E-09	3.42E-09
954	565519.3	4221695	8.131E-09	1.00E-09	3.85E-09	1.30E-08	4.31E-09	1.10E-09	3.85E-09	9.26E-09	1.07E-09	1.96E-10	1.26E-09	2.52E-09	8.26E-10	1.09E-10	5.75E-10	1.51E-09
955	565528.3	4221699	8.241E-09	1.00E-09	3.90E-09	1.32E-08	4.37E-09	1.10E-09	3.90E-09	9.38E-09	1.08E-09	1.96E-10	1.28E-09	2.56E-09	8.38E-10	1.09E-10	5.83E-10	1.53E-09
956	565537.2	4221703	8.352E-09	1.00E-09	3.96E-09	1.33E-08	4.43E-09	1.10E-09	3.96E-09	9.49E-09	1.10E-09	1.96E-10	1.29E-09	2.59E-09	8.49E-10	1.09E-10	5.91E-10	1.55E-09
957	565546.2	4221706	8.464E-09	1.00E-09	4.01E-09	1.35E-08	4.49E-09	1.10E-09	4.01E-09	9.60E-09	1.11E-09	1.96E-10	1.31E-09	2.62E-09	8.60E-10	1.09E-10	5.99E-10	1.57E-09
958	565555.2	4221710	8.577E-09	1.00E-09	4.06E-09	1.36E-08	4.55E-09	1.10E-09	4.06E-09	9.71E-09	1.13E-09	1.96E-10	1.33E-09	2.65E-09	8.72E-10	1.09E-10	6.07E-10	1.59E-09
959	565564.1	4221714	8.691E-09	1.00E-09	4.12E-09	1.38E-08	4.61E-09	1.10E-09	4.12E-09	9.83E-09	1.14E-09	1.96E-10	1.35E-09	2.68E-09	8.83E-10	1.09E-10	6.15E-10	1.61E-09
960	565573.1	4221717	8.805E-09	1.00E-09	4.17E-09	1.40E-08	4.67E-09	1.10E-09	4.17E-09	9.94E-09	1.16E-09	1.96E-10	1.37E-09	2.72E-09	8.95E-10	1.09E-10	6.23E-10	1.63E-09
961	565582.1	4221721	8.92E-09	1.00E-09	4.23E-09	1.42E-08	4.73E-09	1.10E-09	4.23E-09	1.01E-08	1.17E-09	1.96E-10	1.38E-09	2.75E-09	9.07E-10	1.09E-10	6.31E-10	1.65E-09
962	565591.1	4221725	9.035E-09	1.00E-09	4.28E-09	1.43E-08	4.79E-09	1.10E-09	4.28E-09	1.02E-08	1.19E-09	1.96E-10	1.40E-09	2.78E-09	9.18E-10	1.09E-10	6.39E-10	1.67E-09
963	565600	4221729	9.151E-09	1.00E-09	4.34E-09	1.45E-08	4.85E-09	1.10E-09	4.34E-09	1.03E-08	1.20E-09	1.96E-10	1.42E-09	2.82E-09	9.30E-10	1.09E-10	6.47E-10	1.69E-09
964	565680.8	4221762	1.019E-08	1.00E-09	4.83E-09	1.60E-08	5.40E-09	1.10E-09	4.83E-09	1.13E-08	1.34E-09	1.96E-10	1.58E-09	3.11E-09	1.04E-09	1.09E-10	7.20E-10	1.87E-09
965	565689.7	4221765	1.03E-08	1.00E-09	4.88E-09	1.62E-08	5.46E-09	1.10E-09	4.88E-09	1.14E-08	1.35E-09	1.96E-10	1.60E-09	3.15E-09	1.05E-09	1.09E-10	7.29E-10	1.88E-09
966	565698.7	4221769	1.041E-08	1.00E-09	4.93E-09	1.64E-08	5.52E-09	1.10E-09	4.93E-09	1.16E-08	1.37E-09	1.96E-10	1.61E-09	3.18E-09	1.06E-09	1.09E-10	7.37E-10	1.90E-09
967	565707.7	4221773	1.053E-08	1.00E-09	4.99E-09	1.65E-08	5.58E-09	1.10E-09	4.99E-09	1.17E-08	1.38E-09	1.96E-10	1.63E-09	3.21E-09	1.07E-09	1.09E-10	7.44E-10	1.92E-09
968	565716.6	4221776	1.064E-08	1.00E-09	5.04E-09	1.67E-08	5.64E-09	1.10E-09	5.04E-09	1.18E-08	1.40E-09	1.96E-10	1.65E-09	3.24E-09	1.08E-09	1.09E-10	7.52E-10	1.94E-09
969	565725.6	4221780	1.075E-08	1.00E-09	5.09E-09	1.68E-08	5.70E-09	1.10E-09	5.09E-09	1.19E-08	1.41E-09	1.96E-10	1.67E-09	3.27E-09	1.09E-09	1.09E-10	7.60E-10	1.96E-09
970	565510.4	4221672	7.6E-09	1.00E-09	3.60E-09	1.22E-08	4.03E-09	1.10E-09	3.60E-09	8.73E-09	9.98E-10	1.96E-10	1.18E-09	2.37E-09	7.72E-10	1.09E-10	5.37E-10	1.42E-09
971	565519.5	4221675	7.704E-09	1.00E-09	3.65E-09	1.24E-08	4.08E-09	1.10E-09	3.65E-09	8.84E-09	1.01E-09	1.96E-10	1.19E-09	2.40E-09	7.83E-10	1.09E-10	5.45E-10	1.44E-09
972	565528.6	4221679	7.808E-09	1.00E-09	3.70E-09	1.25E-08	4.14E-09	1.10E-09	3.70E-09	8.94E-09	1.03E-09	1.96E-10	1.21E-09	2.43E-09	7.93E-10	1.09E-10	5.52E-10	1.45E-09
973	565537.7	4221683	7.912E-09	1.00E-09	3.75E-09	1.27E-08	4.19E-09	1.10E-09	3.75E-09	9.04E-09	1.04E-09	1.96E-10	1.23E-09	2.46E-09	8.04E-10	1.09E-10	5.60E-10	1.47E-09
974	565546.8	4221687	8.017E-09	1.00E-09	3.80E-09	1.28E-08	4.25E-09	1.10E-09	3.80E-09	9.15E-09	1.05E-09	1.96E-10	1.24E-09	2.49E-09	8.15E-10	1.09E-10	5.67E-10	1.49E-09
975	565555.8	4221690	8.123E-09	1.00E-09	3.85E-09	1.30E-08	4.31E-09	1.10E-09	3.85E-09	9.26E-09	1.07E-09	1.96E-10	1.26E-09	2.52E-09	8.25E-10	1.09E-10	5.74E-10	1.51E-09
976	565564.9	4221694	8.23E-09	1.00E-09	3.90E-09	1.31E-08	4.36E-09	1.10E-09	3.90E-09	9.36E-09	1.08E-09	1.96E-10	1.28E-09	2.55E-09	8.36E-10	1.09E-10	5.82E-10	1.53E-09
977	565574	4221698	8.338E-09	1.00E-09	3.95E-09	1.33E-08	4.42E-09	1.10E-09	3.95E-09	9.47E-09	1.09E-09	1.96E-10	1.29E-09	2.58E-09	8.47E-10	1.09E-10	5.90E-10	1.55E-09
978	565583.1	4221702	8.445E-09	1.00E-09	4.00E-09	1.35E-08	4.48E-09	1.10E-09	4.00E-09	9.58E-09	1.11E-09	1.96E-10	1.31E-09	2.61E-09	8.58E-10	1.09E-10	5.97E-10	1.56E-09
979	565592.2	4221705	8.551E-09	1.00E-09	4.05E-09	1.36E-08	4.53E-09	1.10E-09	4.05E-09	9.69E-09	1.12E-09	1.96E-10	1.33E-09	2.64E-09	8.69E-10	1.09E-10	6.05E-10	1.58E-09
980	565601.3	4221709	8.659E-09	1.00E-09	4.10E-09	1.38E-08	4.59E-09	1.10E-09	4.10E-09	9.79E-09	1.14E-09	1.96E-10	1.34E-09	2.68E-09	8.80E-10	1.09E-10	6.12E-10	1.60E-09
981	565501.3	4221668	7.498E-09	1.00E-09	3.55E-09	1.21E-08	3.98E-09	1.10E-09	3.55E-09	8.63E-09	9.85E-10	1.96E-10	1.16E-09	2.34E-09	7.62E-10	1.09E-10	5.30E-10	1.40E-09
982	565491.4	4221668	7.469E-09	1.00E-09	3.54E-09	1.20E-08	3.96E-09	1.10E-09	3.54E-09	8.60E-09	9.81E-10	1.96E-10	1.16E-09	2.34E-09	7.59E-10	1.09E-10	5.28E-10	1.40E-09
983	565392.4	4221668	7.24E-09	1.00E-09	3.43E-09	1.17E-08	3.84E-09	1.10E-09	3.43E-09	8.37E-09	9.51E-10	1.96E-10	1.12E-09	2.27E-09	7.36E-10	1.09E-10	5.12E-10	1.36E-09
984	565382.5	4221668	7.225E-09	1.00E-09	3.42E-09	1.17E-08	3.83E-09	1.10E-09	3.42E-09	8.36E-09	9.49E-10	1.96E-10	1.12E-09	2.27E-09	7.34E-10	1.09E-10	5.11E-10	1.35E-09
985	565372.6	4221668	7.212E-09	1.00E-09	3.42E-09	1.16E-08	3.82E-09	1.10E-09	3.42E-09	8.34E-09	9.47E-10	1.96E-10	1.12E-09	2.26E-09	7.33E-10	1.09E-10	5.10E-10	1.35E-09
986	565362.7	4221668	7.201E-09	1.00E-09	3.41E-09	1.16E-08	3.82E-09	1.10E-09	3.41E-09	8.33E-09	9.46E-10	1.96E-10	1.12E-09	2.26E-09	7.32E-10	1.09E-10	5.09E-10	1.35E-09
987	565352.7	4221668	7.191E-09	1.00E-09	3.41E-09	1.16E-08	3.81E-09	1.10E-09	3.41E-09	8.32E-09	9.44E-10	1.96E-10	1.11E-09	2.26E-09	7.31E-10	1.09E-10	5.09E-10	1.35E-09
988	565342.8	4221668	7.182E-09	1.00E-09	3.40E-09	1.16E-08	3.81E-09	1.10E-09	3.40E-09	8.31E-09	9.43E-10	1.96E-10	1.11E-09	2.25E-09	7.30E-10	1.09E-10	5.08E-10	1.35E-09
989	565332.9	4221668	7.175E-09	1.00E-09	3.40E-09	1.16E-08	3.80E-09	1.10E-09	3.40E-09	8.31E-09	9.42E-10	1.96E-10	1.11E-09	2.25E-09	7.29E-10	1.09E-10	5.07E-10	1.35E-09
990	565510.3	4221652	7.213E-09	1.00E-09	3.42E-09	1.16E-08	3.82E-09	1.10E-09	3.42E-09	8.34E-09	9.47E-10	1.96E-10	1.12E-09	2.26E-09	7.33E-10	1.09E-10	5.10E-10	1.35E-09
991	565519.3	4221655	7.308E-09	1.00E-09	3.46E-09	1.18E-08	3.87E-09	1.10E-09	3.46E-09	8.44E-09	9.60E-10	1.96E-10	1.13E-09	2.29E-09	7.43E-10	1.09E-10	5.17E-10	1.37E-09
992	565528.3	4221659	7.403E-09	1.00E-09	3.51E-09	1.19E-08	3.93E-09	1.10E-09	3.51E-09	8.53E-09	9.72E-10	1.96E-10	1.15E-09	2.32E-09	7.52E-10	1.09E-10	5.24E-10	1.39E-09
993	565537.3	4221663	7.499E-09	1.00E-09	3.55E-09	1.21E-08	3.98E-09	1.10E-09	3.55E-09	8.63E-09	9.85E-10	1.96E-10	1.16E-09	2.34E-09	7.62E-10	1.09E-10	5.30E-10	1.40E-09
994	565546.3	4221666	7.595E-09	1.00E-09	3.60E-09	1.22E-08	4.03E-09	1.10E-09	3.60E-09	8.73E-09	9.97E-10	1.96E-10	1.18E-09	2.37E-09	7.72E-10	1.09E-10	5.37E-10	1.42E-09
995	565555.3	4221670	7.692E-09	1.00E-09	3.64E-09	1.23E-08	4.08E-09	1.10E-09	3.64E-09	8.82E-09	1.01E-09	1.96E-10	1.19E-09	2.40E-09	7.82E-10	1.09E-10	5.44E-10	1.44E-09
996	565564.3	4221674	7.792E-09	1.00E-09	3.69E-09	1.25E-08	4.13E-09	1.10E-09	3.69E-09	8.92E-09	1.02E-09	1.96E-10	1.21E-09	2.43E-09	7.92E-10	1.09E-10	5.51E-10	1.45E-09
997	565573.3	4221678	7.892E-09	1.00E-09	3.74E-09	1.26E-08	4.18E-09	1.10E-09	3.74E-09	9.02E-09	1.04E-09	1.96E-10	1.22E-09	2.46E-09	8.02E-10	1.09E-10	5.58E-10	1.47E-09
998	565582.3	4221681	7.992E-09	1.00E-09	3.79E-09	1.28E-08	4.24E-09	1.10E-09	3.79E-09	9.12E-09	1.05E-09	1.96E-10	1.24E-09	2.48E-09	8.12E-10	1.09E-10	5.65E-10	1.49E-09
999	565591.3	4221685	8.09E-09	1.00E-09	3.83E-09	1.29E-08	4.29E-09	1.10E-09	3.83E-09	9.22E-09	1.06E-09	1.96E-10	1.25E-09	2.51E-09	8.22E-10	1.09E-10	5.72E-10	1.50E-09
1000	565600.3	4221689	8.188E-09	1.00E-09	3.88E-09	1.31E-08	4.34E-09	1.10E-09	3.88E-09	9.32E-09	1.08E-09	1.96E-10	1.27E-09	2.54E-09	8.32E-10	1.09E-10	5.79E-10	1.52E-09
1001	565609.3	4221692	8.286E-09	1.00E-09	3.93E-09	1.32E-08	4.39E-09	1.10E-09	3.93E-09	9.42E-09	1.09E-09	1.96E-10	1.28E-09	2.57E-09	8.42E-10	1.09E-10	5.86E-10	1.54E-09
1002	565501.3	4221648	7.12E-09	1.00E-09	3.37E-09	1.15E-08	3.77E-09	1.10E-09	3.37E-09	8.25E-09	9.35E-10	1.96E-10	1.10E-09	2.23E-09	7.24E-10	1.09E-10	5.04E-10	1.34E-09
1003	565491.4	4221648	7.092E-09	1.00E-09	3.36E-09	1.15E-08	3.76E-09	1.10E-09	3.36E-09	8.22E-09	9.31E-10	1.96E-10	1.10E-09	2.23E-09	7.21E-10	1.09E-10	5.02E-10	1.33E-09
1004	565481.5	4221648	7.068E-09	1.00E-09	3.35E-09	1.14E-08	3.75E-09	1.10E-09	3.35E-09	8.20E-09	9.28E-10	1.96E-10	1.10E-09	2.22E-09	7.18E-10	1.09E-10	5.00E-10	1.33E-09
1005	565422	4221648	6.933E-09	1.00E-09	3.28E-09	1.12E-08	3.68E-09	1.10E-09	3.28E-09	8.06E-09	9.11E-10	1.96E-10	1.07E-09	2.18E-09	7.05E-10	1.09E-10	4.90E-10	1.30E-09

1006	565412.1	4221648	6.913E-09	1.00E-09	3.28E-09	1.12E-08	3.67E-09	1.10E-09	3.28E-09	8.04E-09	9.08E-10	1.96E-10	1.07E-09	2.18E-09	7.03E-10	1.09E-10	4.89E-10	1.30E-09
1007	565402.2	4221648	6.894E-09	1.00E-09	3.27E-09	1.12E-08	3.66E-09	1.10E-09	3.27E-09	8.02E-09	9.05E-10	1.96E-10	1.07E-09	2.17E-09	7.01E-10	1.09E-10	4.88E-10	1.30E-09
1008	565392.3	4221648	6.879E-09	1.00E-09	3.26E-09	1.11E-08	3.65E-09	1.10E-09	3.26E-09	8.01E-09	9.03E-10	1.96E-10	1.07E-09	2.17E-09	6.99E-10	1.09E-10	4.86E-10	1.29E-09
1009	565382.4	4221648	6.866E-09	1.00E-09	3.25E-09	1.11E-08	3.64E-09	1.10E-09	3.25E-09	7.99E-09	9.02E-10	1.96E-10	1.06E-09	2.16E-09	6.98E-10	1.09E-10	4.86E-10	1.29E-09
1010	565372.5	4221648	6.854E-09	1.00E-09	3.25E-09	1.11E-08	3.63E-09	1.10E-09	3.25E-09	7.98E-09	9.00E-10	1.96E-10	1.06E-09	2.16E-09	6.97E-10	1.09E-10	4.85E-10	1.29E-09
1011	565362.6	4221648	6.843E-09	1.00E-09	3.24E-09	1.11E-08	3.63E-09	1.10E-09	3.24E-09	7.97E-09	8.99E-10	1.96E-10	1.06E-09	2.16E-09	6.95E-10	1.09E-10	4.84E-10	1.29E-09
1012	565352.7	4221648	6.834E-09	1.00E-09	3.24E-09	1.11E-08	3.62E-09	1.10E-09	3.24E-09	7.96E-09	8.98E-10	1.96E-10	1.06E-09	2.15E-09	6.95E-10	1.09E-10	4.83E-10	1.29E-09
1013	565342.8	4221648	6.826E-09	1.00E-09	3.23E-09	1.11E-08	3.62E-09	1.10E-09	3.23E-09	7.95E-09	8.96E-10	1.96E-10	1.06E-09	2.15E-09	6.94E-10	1.09E-10	4.83E-10	1.29E-09
1014	565332.9	4221648	6.819E-09	1.00E-09	3.23E-09	1.11E-08	3.62E-09	1.10E-09	3.23E-09	7.95E-09	8.96E-10	1.96E-10	1.06E-09	2.15E-09	6.93E-10	1.09E-10	4.82E-10	1.28E-09
1015	565323	4221648	6.814E-09	1.00E-09	3.23E-09	1.10E-08	3.61E-09	1.10E-09	3.23E-09	7.94E-09	8.95E-10	1.96E-10	1.06E-09	2.15E-09	6.92E-10	1.09E-10	4.82E-10	1.28E-09
1016	565313.1	4221648	6.81E-09	1.00E-09	3.23E-09	1.10E-08	3.61E-09	1.10E-09	3.23E-09	7.94E-09	8.94E-10	1.96E-10	1.06E-09	2.15E-09	6.92E-10	1.09E-10	4.82E-10	1.28E-09
1017	565510.3	4221632	6.858E-09	1.00E-09	3.25E-09	1.11E-08	3.64E-09	1.10E-09	3.25E-09	7.99E-09	9.01E-10	1.96E-10	1.06E-09	2.16E-09	6.97E-10	1.09E-10	4.85E-10	1.29E-09
1018	565519.5	4221635	6.948E-09	1.00E-09	3.29E-09	1.12E-08	3.68E-09	1.10E-09	3.29E-09	8.08E-09	9.12E-10	1.96E-10	1.08E-09	2.19E-09	7.06E-10	1.09E-10	4.91E-10	1.31E-09
1019	565528.6	4221639	7.037E-09	1.00E-09	3.33E-09	1.14E-08	3.73E-09	1.10E-09	3.33E-09	8.17E-09	9.24E-10	1.96E-10	1.09E-09	2.21E-09	7.15E-10	1.09E-10	4.98E-10	1.32E-09
1020	565537.7	4221643	7.126E-09	1.00E-09	3.38E-09	1.15E-08	3.78E-09	1.10E-09	3.38E-09	8.26E-09	9.36E-10	1.96E-10	1.10E-09	2.24E-09	7.24E-10	1.09E-10	5.04E-10	1.34E-09
1021	565546.8	4221647	7.217E-09	1.00E-09	3.42E-09	1.16E-08	3.83E-09	1.10E-09	3.42E-09	8.35E-09	9.48E-10	1.96E-10	1.12E-09	2.26E-09	7.33E-10	1.09E-10	5.10E-10	1.35E-09
1022	565555.9	4221650	7.308E-09	1.00E-09	3.46E-09	1.18E-08	3.87E-09	1.10E-09	3.46E-09	8.44E-09	9.60E-10	1.96E-10	1.13E-09	2.29E-09	7.43E-10	1.09E-10	5.17E-10	1.37E-09
1023	565565	4221654	7.402E-09	1.00E-09	3.51E-09	1.19E-08	3.92E-09	1.10E-09	3.51E-09	8.53E-09	9.72E-10	1.96E-10	1.15E-09	2.32E-09	7.52E-10	1.09E-10	5.23E-10	1.39E-09
1024	565574.1	4221658	7.496E-09	1.00E-09	3.55E-09	1.21E-08	3.97E-09	1.10E-09	3.55E-09	8.63E-09	9.84E-10	1.96E-10	1.16E-09	2.34E-09	7.62E-10	1.09E-10	5.30E-10	1.40E-09
1025	565583.2	4221662	7.591E-09	1.00E-09	3.60E-09	1.22E-08	4.02E-09	1.10E-09	3.60E-09	8.72E-09	9.97E-10	1.96E-10	1.18E-09	2.37E-09	7.71E-10	1.09E-10	5.37E-10	1.42E-09
1026	565592.3	4221665	7.684E-09	1.00E-09	3.64E-09	1.23E-08	4.07E-09	1.10E-09	3.64E-09	8.82E-09	1.01E-09	1.96E-10	1.19E-09	2.40E-09	7.81E-10	1.09E-10	5.43E-10	1.43E-09
1027	565601.4	4221669	7.777E-09	1.00E-09	3.68E-09	1.25E-08	4.12E-09	1.10E-09	3.68E-09	8.91E-09	1.02E-09	1.96E-10	1.21E-09	2.42E-09	7.90E-10	1.09E-10	5.50E-10	1.45E-09
1028	565610.5	4221673	7.87E-09	1.00E-09	3.73E-09	1.26E-08	4.17E-09	1.10E-09	3.73E-09	9.00E-09	1.03E-09	1.96E-10	1.22E-09	2.45E-09	8.00E-10	1.09E-10	5.57E-10	1.47E-09
1029	565501.2	4221628	6.771E-09	1.00E-09	3.21E-09	1.10E-08	3.59E-09	1.10E-09	3.21E-09	7.90E-09	8.89E-10	1.96E-10	1.05E-09	2.13E-09	6.88E-10	1.09E-10	4.79E-10	1.28E-09
1030	565491.3	4221628	6.745E-09	1.00E-09	3.20E-09	1.09E-08	3.58E-09	1.10E-09	3.20E-09	7.87E-09	8.86E-10	1.96E-10	1.05E-09	2.13E-09	6.85E-10	1.09E-10	4.77E-10	1.27E-09
1031	565481.4	4221628	6.722E-09	1.00E-09	3.18E-09	1.09E-08	3.56E-09	1.10E-09	3.18E-09	7.85E-09	8.83E-10	1.96E-10	1.04E-09	2.12E-09	6.83E-10	1.09E-10	4.75E-10	1.27E-09
1032	565471.5	4221628	6.699E-09	1.00E-09	3.17E-09	1.09E-08	3.55E-09	1.10E-09	3.17E-09	7.83E-09	8.80E-10	1.96E-10	1.04E-09	2.11E-09	6.81E-10	1.09E-10	4.74E-10	1.26E-09
1033	565461.6	4221628	6.677E-09	1.00E-09	3.16E-09	1.08E-08	3.54E-09	1.10E-09	3.16E-09	7.81E-09	8.77E-10	1.96E-10	1.04E-09	2.11E-09	6.79E-10	1.09E-10	4.72E-10	1.26E-09
1034	565412.1	4221628	6.581E-09	1.00E-09	3.12E-09	1.07E-08	3.49E-09	1.10E-09	3.12E-09	7.71E-09	8.64E-10	1.96E-10	1.02E-09	2.08E-09	6.69E-10	1.09E-10	4.65E-10	1.24E-09
1035	565402.2	4221628	6.565E-09	1.00E-09	3.11E-09	1.07E-08	3.48E-09	1.10E-09	3.11E-09	7.69E-09	8.62E-10	1.96E-10	1.02E-09	2.08E-09	6.67E-10	1.09E-10	4.64E-10	1.24E-09
1036	565392.3	4221628	6.549E-09	1.00E-09	3.10E-09	1.07E-08	3.47E-09	1.10E-09	3.10E-09	7.68E-09	8.60E-10	1.96E-10	1.02E-09	2.07E-09	6.66E-10	1.09E-10	4.63E-10	1.24E-09
1037	565382.4	4221628	6.535E-09	1.00E-09	3.10E-09	1.06E-08	3.47E-09	1.10E-09	3.10E-09	7.66E-09	8.58E-10	1.96E-10	1.01E-09	2.07E-09	6.64E-10	1.09E-10	4.62E-10	1.24E-09
1038	565372.5	4221628	6.523E-09	1.00E-09	3.09E-09	1.06E-08	3.46E-09	1.10E-09	3.09E-09	7.65E-09	8.57E-10	1.96E-10	1.01E-09	2.06E-09	6.63E-10	1.09E-10	4.61E-10	1.23E-09
1039	565362.6	4221628	6.513E-09	1.00E-09	3.09E-09	1.06E-08	3.45E-09	1.10E-09	3.09E-09	7.64E-09	8.55E-10	1.96E-10	1.01E-09	2.06E-09	6.62E-10	1.09E-10	4.61E-10	1.23E-09
1040	565352.7	4221628	6.505E-09	1.00E-09	3.08E-09	1.06E-08	3.45E-09	1.10E-09	3.08E-09	7.63E-09	8.54E-10	1.96E-10	1.01E-09	2.06E-09	6.61E-10	1.09E-10	4.60E-10	1.23E-09
1041	565342.8	4221628	6.497E-09	1.00E-09	3.08E-09	1.06E-08	3.44E-09	1.10E-09	3.08E-09	7.62E-09	8.53E-10	1.96E-10	1.01E-09	2.06E-09	6.60E-10	1.09E-10	4.59E-10	1.23E-09
1042	565332.8	4221628	6.491E-09	1.00E-09	3.08E-09	1.06E-08	3.44E-09	1.10E-09	3.08E-09	7.62E-09	8.52E-10	1.96E-10	1.01E-09	2.05E-09	6.60E-10	1.09E-10	4.59E-10	1.23E-09
1043	565322.9	4221628	6.486E-09	1.00E-09	3.07E-09	1.06E-08	3.44E-09	1.10E-09	3.07E-09	7.61E-09	8.52E-10	1.96E-10	1.01E-09	2.05E-09	6.59E-10	1.09E-10	4.59E-10	1.23E-09
1044	565313	4221628	6.482E-09	1.00E-09	3.07E-09	1.06E-08	3.44E-09	1.10E-09	3.07E-09	7.61E-09	8.51E-10	1.96E-10	1.00E-09	2.05E-09	6.59E-10	1.09E-10	4.58E-10	1.23E-09
1045	565303.1	4221628	6.479E-09	1.00E-09	3.07E-09	1.06E-08	3.44E-09	1.10E-09	3.07E-09	7.61E-09	8.51E-10	1.96E-10	1.00E-09	2.05E-09	6.58E-10	1.09E-10	4.58E-10	1.23E-09
1046	565293.2	4221628	6.477E-09	1.00E-09	3.07E-09	1.06E-08	3.43E-09	1.10E-09	3.07E-09	7.60E-09	8.51E-10	1.96E-10	1.00E-09	2.05E-09	6.58E-10	1.09E-10	4.58E-10	1.23E-09
1047	565225.7	4222171	9.051E-08	1.00E-09	4.29E-08	1.34E-07	4.80E-08	1.10E-09	4.29E-08	9.20E-08	1.19E-08	1.96E-10	1.40E-08	2.61E-08	9.20E-09	1.09E-10	6.40E-09	1.57E-08
1048	565208.3	4222177	9.141E-08	1.00E-09	4.33E-08	1.36E-07	4.85E-08	1.10E-09	4.33E-08	9.29E-08	1.20E-08	1.96E-10	1.42E-08	2.64E-08	9.29E-09	1.09E-10	6.46E-09	1.59E-08
1049	565219.1	4222165	8.372E-08	1.00E-09	3.97E-08	1.24E-07	4.44E-08	1.10E-09	3.97E-08	8.52E-08	1.10E-08	1.96E-10	1.30E-08	2.42E-08	8.51E-09	1.09E-10	5.92E-09	1.45E-08
1050	565200.9	4222170	8.474E-08	1.00E-09	4.01E-08	1.26E-07	4.49E-08	1.10E-09	4.01E-08	8.62E-08	1.11E-08	1.96E-10	1.31E-08	2.45E-08	8.61E-09	1.09E-10	5.99E-09	1.47E-08
1051	565211.6	4222158	7.788E-08	1.00E-09	3.69E-08	1.16E-07	4.13E-08	1.10E-09	3.69E-08	7.93E-08	1.02E-08	1.96E-10	1.21E-08	2.25E-08	7.91E-09	1.09E-10	5.51E-09	1.35E-08
1052	565191	4222172	8.397E-08	1.00E-09	3.98E-08	1.25E-07	4.45E-08	1.10E-09	3.98E-08	8.54E-08	1.10E-08	1.96E-10	1.30E-08	2.42E-08	8.53E-09	1.09E-10	5.94E-09	1.46E-08
1053	565181	4222174	8.295E-08	1.00E-09	3.93E-08	1.23E-07	4.40E-08	1.10E-09	3.93E-08	8.44E-08	1.09E-08	1.96E-10	1.29E-08	2.39E-08	8.43E-09	1.09E-10	5.87E-09	1.44E-08
1054	565186.2	4222157	7.359E-08	1.00E-09	3.49E-08	1.09E-07	3.90E-08	1.10E-09	3.49E-08	7.50E-08	9.66E-09	1.96E-10	1.14E-08	2.13E-08	7.48E-09	1.09E-10	5.20E-09	1.28E-08
1055	565171.1	4222175	8.172E-08	1.00E-09	3.87E-08	1.21E-07	4.33E-08	1.10E-09	3.87E-08	8.31E-08	1.07E-08	1.96E-10	1.27E-08	2.36E-08	8.30E-09	1.09E-10	5.78E-09	1.42E-08
1056	565176.3	4222159	7.306E-08	1.00E-09	3.46E-08	1.09E-07	3.87E-08	1.10E-09	3.46E-08	7.44E-08	9.59E-09	1.96E-10	1.13E-08	2.11E-08	7.42E-09	1.09E-10	5.17E-09	1.27E-08
1057	565276.1	4222040	3.131E-08	1.00E-09	1.48E-08	4.71E-08	1.66E-08	1.10E-09	1.48E-08	3.25E-08	4.11E-09	1.96E-10	4.85E-09	9.16E-09	3.18E-09	1.09E-10	2.21E-09	5.51E-09
1058	564991.1	4222671	1.521E-08	1.00E-09	7.21E-09	2.34E-08	8.06E-09	1.10E-09	7.21E-09	1.64E-08	2.00E-09	1.96E-10	2.36E-09	4.55E-09	1.55E-09	1.09E-10	1.08E-09	2.73E-09
1059	564984.1	4222659	1.612E-08	1.00E-09	7.64E-09	2.48E-08	8.55E-09	1.10E-09	7.64E-09	1.73E-08	2.12E-09	1.96E-10	2.50E-09	4.81E-09	1.64E-09	1.09E-10	1.14E-09	2.89E-09
1060	564992.5	4222711	1.241E-08	1.00E-09	5.88E-09	1.93E-08	6.58E-09	1.10E-09	5.88E-09	1.36E-08	1.63E-09	1.96E-10	1.92E-09	3.75E-09	1.26E-09	1.09E-10	8.77E-10	2.25E-09
1061	564985.6	4222699	1.317E-08	1.00E-09	6.24E-09	2.04E-08	6.98E-09	1.10E-09	6.24E-09	1.43E-08	1.73E-09	1.96E-10	2.04E-09	3.97E-09	1.34E-09	1.09E-10	9.32E-10	2.38E-09
1062	564978.6	4222686	1.397E-08	1.00E-09	6.62E-09	2.16E-08	7.41E-09	1.10E-09	6.62E-09	1.51E-08	1.83E-09	1.96E-10	2.17E-09	4.20E-09	1.42E-09	1.09E-10	9.88E-10	2.52E-09
1063	564971.6	4222674	1.48E-08	1.00E-09	7.01E-09	2.28E-08	7.85E-09	1.10E-09	7.01E-09	1.60E-08	1.94E-09	1.96E-10	2.29E-09	4.43E-09	1.50E-09	1.09E-10	1.05E-09	2.66E-09
1064	564964.7	4222662	1.565E-08	1.00E-09	7.42E-09	2.41E-08	8.30E-09	1.10E-09	7.42E-09	1.68E-08	2.06E-09	1.96E-10	2.43E-09	4.68E-09	1.59E-09	1.09E-10	1.11E-09	2.81E-09
1065	564994.1	4222751	1.018E-08	1.00E-09	4.82E-09	1.60E-08	5.40E-09	1.10E-09	4.82E-09	1.13E-08	1.34E-09	1.96E-10	1.58E-09	3.11E-09	1.03E-09	1.09E-10	7.20E-10	1.86E-09
1066	564987.1	4222739	1.08E-08	1.00E-09	5.12E-09	1.69E-08	5.73E-09	1.10E-09	5.12E-09	1.19E-08	1.42E-09	1.96E-10	1.67E-09	3.29E-09	1.10E-09	1.09E-10	7.64E-10	1.97E-09
1067	564980.1	4222727	1.146E-08	1.00E-09	5.43E-09	1.79E-08	6.07E-09	1.10E-09	5.43E-09	1.26E-08	1.50E-09	1.96E-10	1.78E-09	3.48E-09	1.16E-09	1.09E-10	8.10E-10	2.08E-09
1068	564973.1	4222714	1.215E-08	1.00E-09	5.76E-09	1.89E-08	6.44E-09	1.10E-09	5.76E-09	1.33E-08	1.60E-09	1.96E-10	1.88E-09	3.68E-09	1.23E-09	1.09E-10	8.59E-10	2.20E-09
1069	564966.1	4222702	1.287E-08	1.00E-09	6.10E-09	2.00E-08	6.83E-09	1.10E-09	6.10E-09	1.40E-08	1.69E-09	1.96E-10	2.00E-09	3.88E-09	1.31E-09	1.09E-10	9.10E-10	2.33E-09
1070	564959.2	4222690	1.363E-08	1.00E-09	6.46E-09	2.11E-08	7.23E-09	1.10E-09	6.46E-09	1.48E-08	1.79E-09	1.96E-10	2.11E-09	4.10E-09	1.38E-09	1.09E-10	9.64E-10	2.46E-09
1071	564952.2	4222677	1.441E-08	1.00E-09	6.82E-09	2.22E-08	7.64E-09	1.10E-09	6.82E-09	1.56E-08	1.89E-09	1.96E-10	2.23E-09	4.32E-09	1.46E-09	1.09E-10	1.02E-09	2.59E-09
1072	564945.2	4222665	1.52E-08	1.00E-09	7.20E-09	2.34E-08	8.06E-09	1.10E-09	7.20E-09	1.64E-08	2.00E-09	1.96E-10	2.36E-09	4.55E-09	1.54E-09	1.09E-10	1.08E-09	2.73E-09
1073	564938.2	4222653	1.601E-08	1.00E-09	7.59E-09	2.46E-08	8.49E-09	1.10E-09	7.59E-09	1.72E-08	2.10E-09	1.96E-10	2.48E-09	4.78E-09	1.63E-09	1.09E-10	1.13E-09	2.87E-09
1074	564988.7	4222779	8.928E-09	1.00E-09	4.23E-09	1.42E-08	4.73E-09	1.10E-09	4.23E-09	1.01E-08	1.17E-09	1.96E-10	1.38E-09	2.75E-09	9.07E-10	1.09E-10	6.31E-10	1.65E-09
1075	564981.7	4222767	9.455E-09	1.00E-09	4.48E-09	1.49E-08	5.01E-09	1.10E-09	4.48E-09	1.06E-08	1.24E-09	1.96E-10	1.47E-09	2.90E-09	9.61E-10	1.09E-10	6.69E-10	1.74E-09
1076	564974.7	4222755	1.002E-08	1.00E-09	4.75E-09	1.58E-08	5.31E-09	1.10E-09	4.75E-09	1.12E-08	1.32E-09	1.96E-10	1.55E-09	3.06E-09	1.02E-09	1.09E-10	7.08E-10	1.84E-09
1077	564967.7	4222742	1.061E-08	1.00E-09	5.03E-09	1.66E-08	5.63E-09	1.10E-09	5.03E-09	1.18E-08	1.39E-09	1.96E-10	1.65E-09	3.23E-09	1.08E-09	1.09E-10	7.50E-10	1.94E-09
1078	564960.7	4222730	1.124E-08	1.00E-09	5.32E-09	1.76E-08	5.96E-09	1.10E-09	5.32E-09	1.24E-08	1.48E-09	1.96E-10	1.74E-09	3.41E-09	1.14E-09	1.09E-10	7.95E-10	2.05E-09
1079	564953.7	4222718	1.19E-08	1.00E-09	5.64E-09	1.85E-08	6.31E-09	1.10E-09	5.64E-09	1.30E-08	1.56E-09	1.96E-10	1.84E-09	3.60E-09	1.21E-09	1.09E-10	8.41E-10	2.16E-09
1080	564946.7	4222705	1.258E-08	1.00E-09	5.96E-09	1.96E-08	6.67E-09	1.10E-09	5.96E-09	1.37E-08	1.65E-09	1.96E-10	1.95E-09	3.80E-09	1.28E-09	1.09E-10	8.90E-10	2.28E-09
1081	564939.7	4222693	1.329E-08	1.00E-09	6.30E-09	2.06E-08	7.05E-09	1.10E-09	6.30E-09	1.44E-08	1.75E-09	1.96E-10	2.06E-09	4.00E-09	1.35E-09	1.09E-10	9.40E-10	2.40E-09
1082	564932.7	4222681	1.402E-08	1.00E-09	6.64E-09	2.17E-08	7.43E-09	1.10E-09	6.64E-09	1.52E-08	1.84E-09	1.96E-10	2.17E-09	4.21E-09	1.43E-09	1.09E-10	9.92E-10	2.53E-09
1083	564925.7	4222668	1.477E-08	1.00E-09	7.00E-09	2.28E-08	7.83E-09	1.10E-09	7.00E-09	1.59E-08	1.94E-09	1.96E-10	2.29E-09	4.42E-09	1.50E-09	1.09E-10	1.04E-09	2.65E-09
1084	564918.6	4222656	1.552E-08	1.00E-09	7.35E-09	2.39E-08	8.23E-09	1.10E-09	7.35E-09	1.67E-08	2.04E-09	1.96E-10	2.41E-09	4.64E-09	1.58E-09	1.09E-10	1.10E-09	2.78E-09
1085	564993.4	4222805	7.959E-09	1.00E-09	3.77E-09	1.27E-08	4.22E-09	1.10E-09	3.77E-09	9.09E-09	1.05E-09	1.96E-10	1.23E-09	2.48E-09	8.09E-10	1.09E-10	5.63E-10	1.48E-09
1086	564976.4	4222795	8.328E-09	1.00E-09	3.95E-09	1.33E-08	4.42E-09	1.10E-09	3.95E-09	9.46E-09	1.09E-09	1.96E-10	1.29E-09	2.58E-09	8.46E-10	1.09E-10	5.89E-10	1.54E-09
1087	564969.5	4222783	8.795E-09	1.00E-09	4.17E-09	1.40E-08	4.66E-09	1.10E-09	4.17E-09	9.93E-09	1.16E-09	1.96E-10	1.36E-09	2.71E-09	8.94E-10	1.09E-10	6.22E-10	1.63E-09
1088	564962.6	4222771	9.294E-09	1.00E-09	4.40E-09	1.47E-08	4.93E-09	1.10E-09	4.40E-09	1.04E-08	1.22E-09	1.96E-10	1.44E-09	2.86E-09	9.44E-10	1.09E-10	6.57E-10	1.71E-09
1089	564955.7	4222759	9.823E-09	1.00E-09	4.65E-09	1.55E-08	5.21E-09	1.10E-09	4.65E-09	1.10E-08	1.29E-09	1.96E-10	1.52E-09	3.01E-09	9.98E-10	1.09E-10	6.95E-10	1.80E-09
1090	564948.8	4222747	1.038E-08	1.00E-09	4.92E-09	1.63E-08	5.50E-09	1.10E-09	4.92E-09	1.15E-08	1.36E-09	1.96E-10	1.61E-09	3.17E-09	1.05E-09	1.09E-10	7.34E-10	1.90E-09
1091	564941.9	4222734	1.097E-08	1.00E-09	5.20E-09	1.72E-08	5.81E-09	1.10E-09	5.20E-09	1.21E-08	1.44E-09	1.96E-10	1.70E-09	3.34E-09	1.11E-09	1.09E-10	7.76E-10	2.00E-09
1092	564935	4222722	1.158E-08	1.00E-09	5.49E-09	1.81E-08	6.14E-09	1.10E-09	5.49E-09	1.27E-08	1.52E-09	1.96E-10	1.80E-09	3.51E-09	1.18E-09	1.09E-10	8.19E-10	2.10E-09
1093	564928.1	4222710	1.221E-08	1.00E-09	5.79E-09	1.90E-08	6.48E-09	1.10E-09	5.79E-09	1.34E-08	1.60E-09	1.96E-10	1.89E-09	3.69E-09	1.24E-09	1.09E-10	8.64E-10	2.21E-09
1094	564921.2	4222698	1.287E-08	1.00E-09	6.10E-09	2.00E-08	6.82E-09	1.10E-09	6.10E-09	1.40E-08	1.69E-09	1.96E-10	1.99E-09	3.88E-09	1.31E-09	1.09E-10	9.10E-10	2.33E-09
1095	564914.3	4222686	1.354E-08	1.00E-09	6.41E-09	2.10E-08	7.18E-09	1.10E-09	6.41E-09	1.47E-08	1.78E-09	1.96E-10	2.10E-09	4.07E-09	1.38E-09	1.09E-10	9.57E-10	2.44E-09
1096	564907.4	4222673	1.422E-08	1.00E-09	6.74E-09	2.20E-08	7.54E-09	1.10E-09	6.74E-09	1.54E-08	1.87E-09	1.96E-10	2.20E-09	4.27E-09	1.45E-09	1.09E-10	1.01E-09	2.56E-09
1097	564900.5	4222661	1.491E-08	1.00E-09	7.06E-09	2.30E-08	7.90E-09	1.10E-09	7.06E-09	1.61E-08	1.96E-09	1.96E-10	2.31E-09	4.47E-09	1.52E-09	1.09E-10	1.05E-09	2.68E-09
1098	564994.6	4222825	7.321E-09	1.00E-09	3.47E-09	1.18E-08	3.88E-09	1.10E-09	3.47E-09	8.45E-09	9.61E-10	1.96E-10	1.13E-09	2.29E-09	7.44E-10	1.09E-10	5.18E-10	1.37E-09
1099	564981.1	4222821	7.456E-09	1.00E-09	3.53E-09	1.20E-08	3.95E-09	1.10E-09	3.53E-09	8.59E-09	9.79E-10	1.96E-10	1.16E-09	2.33E-09	7.58E-10	1.09E-10	5.27E-10	1.39E-09
1100	564964.1	4222811	7.791E-09	1.00E-09	3.69E-09	1.25E-08	4.13E-09	1.10E-09	3.69E-09	8.92E-09	1.02E-09	1.96E-10	1.21E-09	2.43E-09	7.92E-10	1.09E-10	5.51E-10	1.45E-09
1101	564957.2	4222799	8.215E-09	1.00E-09	3.89E-09	1.31E-08	4.36E-09	1.10E-09	3.89E-09	9.35E-09	1.08E-09	1.96E-10	1.27E-09	2.55E-09	8.35E-10	1.09E-10	5.81E-10	1.53E-09
1102	564950.2	4222787	8.669E-09	1.00E-09	4.11E-09	1.38E-08	4.60E-09	1.10E-09	4.11E-09	9.80E-09	1.14E-09	1.96E-10	1.34E-09	2.68E-09	8.81E-10	1.09E-10	6.13E-10	1.60E-09
1103	564943.3	4222774	9.151E-09	1.00E-09	4.34E-09	1.45E-08	4.85E-09	1.10E-09	4.34E-09	1.03E-08	1.20E-09	1.96E-10	1.42E-09	2.82E-09	9.30E-10	1.09E-10	6.47E-10	1.69E-09
1104	564936.4	4222762	9.659E-09	1.00E-09	4.58E-09	1.52E-08	5.12E-09	1.10E-09	4.58E-09	1.08E-08	1.27E-09	1.96E-10	1.50E-09	2.96E-09	9.82E-10	1.09E-10	6.83E-10	1.77E-09
1105	564929.5	4222750	1.019E-08	1.00E-09	4.83E-09	1.60E-08	5.40E-09	1.10E-09	4.83E-09	1.13E-08	1.34E-09	1.96E-10	1.58E-09	3.12E-09	1.04E-09	1.09E-10	7.21E-10	1.87E-09
1106	564922.6	4222738	1.075E-08	1.00E-09	5.09E-09	1.69E-08	5.70E-09	1.10E-09	5.09E-09	1.19E-08	1.41E-09	1.96E-10	1.67E-09	3.28E-09	1.09E-09	1.09E-10	7.60E-10	1.96E-09
1107	564915.6	4222725	1.133E-08	1.00E-09	5.37E-09	1.77E-08	6.01E-09	1.10E-09	5.37E-09	1.25E-08	1.49E-09	1.96E-10	1.76E-09	3.44E-09	1.15E-09	1.09E-10	8.02E-10	2.06E-09
1108	564908.7	4222713	1.194E-08	1.00E-09	5.65E-09	1.86E-08	6.33E-09	1.10E-09	5.65E-09	1.31E-08	1.57E-09	1.96E-10	1.85E-09	3.61E-09	1.21E-09	1.09E-10	8.44E-10	2.17E-09
1109	564901.8	4222701	1.255E-08	1.00E-09	5.95E-09	1.95E-08	6.65E-09	1.10E-09	5.95E-09	1.37E-08	1.65E-09	1.96E-10	1.95E-09	3.79E-09	1.28E-09	1.09E-10	8.88E-10	2.27E-09
1110	564894.9	4222689	1.318E-08	1.00E-09	6.24E-09	2.04E-08	6.99E-09	1.10E-09	6.24E-09	1.43E-08	1.73E-09	1.96E-10	2.04E-09	3.97E-09	1.34E-09	1.09E-10	9.32E-10	2.38E-09
1111	564887.9	4222677	1.382E-08	1.00E-09	6.55E-09	2.14E-08	7.33E-09	1.10E-09	6.55E-09	1.50E-08	1.81E-09	1.96E-10	2.14E-09	4.15E-09	1.40E-09	1.09E-10	9.77E-10	2.49E-09
1112	564881	4222664	1.446E-08	1.00E-09	6.85E-09	2.23E-08	7.67E-09	1.10E-09	6.85E-09	1.56E-08	1.90E-09	1.96E-10	2.24E-09	4.34E-09	1.47E-09	1.09E-10	1.02E-09	2.60E-09
1113	564874.1	4222652	1.51E-08	1.00E-09	7.15E-09	2.33E-08	8.01E-09	1.10E-09	7.15E-09	1.63E-08	1.98E-09	1.96E-10	2.34E-09	4.52E-09	1.53E-09	1.09E-10	1.07E-09	2.71E-09
1114	564995.8	4222844	6.753E-09	1.00E-09	3.20E-09	1.10E-08	3.58E-09	1.10E-09	3.20E-09	7.88E-09	8.87E-10	1.96E-10	1.05E-09	2.13E-09	6.86E-10	1.09E-10	4.78E-10	1.27E-09
1115	564982.3	4222840	6.875E-09	1.00E-09	3.26E-09	1.11E-08	3.65E-09	1.10E-09	3.26E-09	8.00E-09	9.03E-10	1.96E-10	1.07E-09	2.17E-09	6.99E-10	1.09E-10	4.86E-10	1.29E-09
1116	564968.8	4222837	6.999E-09	1.00E-09	3.32E-09	1.13E-08	3.71E-09	1.10E-09	3.32E-09	8.13E-09	9.19E-10	1.96E-10	1.08E-09	2.20E-09	7.11E-10	1.09E-10	4.95E-10	1.32E-09
1117	564951.7	4222827	7.306E-09	1.00E-09	3.46E-09	1.18E-08	3.87E-09	1.10E-09	3.46E-09	8.44E-09	9.59E-10	1.96E-10	1.13E-09	2.29E-09	7.42E-10	1.09E-10	5.17E-10	1.37E-09

1118	564944.8	4222814	7.692E-09	1.00E-09	3.64E-09	1.23E-08	4.08E-09	1.10E-09	3.64E-09	8.82E-09	1.01E-09	1.96E-10	1.19E-09	2.40E-09	7.82E-10	1.09E-10	5.44E-10	1.44E-09
1119	564937.9	4222802	8.106E-09	1.00E-09	3.84E-09	1.30E-08	4.30E-09	1.10E-09	3.84E-09	9.24E-09	1.06E-09	1.96E-10	1.26E-09	2.52E-09	8.24E-10	1.09E-10	5.73E-10	1.51E-09
1120	564930.9	4222790	8.546E-09	1.00E-09	4.05E-09	1.36E-08	4.53E-09	1.10E-09	4.05E-09	9.68E-09	1.12E-09	1.96E-10	1.32E-09	2.64E-09	8.68E-10	1.09E-10	6.04E-10	1.58E-09
1121	564924	4222778	9.01E-09	1.00E-09	4.27E-09	1.43E-08	4.78E-09	1.10E-09	4.27E-09	1.01E-08	1.18E-09	1.96E-10	1.40E-09	2.78E-09	9.16E-10	1.09E-10	6.37E-10	1.66E-09
1122	564917	4222765	9.499E-09	1.00E-09	4.50E-09	1.50E-08	5.04E-09	1.10E-09	4.50E-09	1.06E-08	1.25E-09	1.96E-10	1.47E-09	2.92E-09	9.65E-10	1.09E-10	6.72E-10	1.75E-09
1123	564910.1	4222753	1.001E-08	1.00E-09	4.74E-09	1.58E-08	5.31E-09	1.10E-09	4.74E-09	1.12E-08	1.31E-09	1.96E-10	1.55E-09	3.06E-09	1.02E-09	1.09E-10	7.08E-10	1.83E-09
1124	564903.1	4222741	1.054E-08	1.00E-09	5.00E-09	1.65E-08	5.59E-09	1.10E-09	5.00E-09	1.17E-08	1.38E-09	1.96E-10	1.63E-09	3.22E-09	1.07E-09	1.09E-10	7.46E-10	1.93E-09
1125	564896.2	4222729	1.11E-08	1.00E-09	5.26E-09	1.74E-08	5.88E-09	1.10E-09	5.26E-09	1.22E-08	1.46E-09	1.96E-10	1.72E-09	3.37E-09	1.13E-09	1.09E-10	7.85E-10	2.02E-09
1126	564889.3	4222716	1.166E-08	1.00E-09	5.53E-09	1.82E-08	6.18E-09	1.10E-09	5.53E-09	1.28E-08	1.53E-09	1.96E-10	1.81E-09	3.54E-09	1.19E-09	1.09E-10	8.25E-10	2.12E-09
1127	564882.3	4222704	1.224E-08	1.00E-09	5.80E-09	1.90E-08	6.49E-09	1.10E-09	5.80E-09	1.34E-08	1.61E-09	1.96E-10	1.90E-09	3.70E-09	1.24E-09	1.09E-10	8.66E-10	2.22E-09
1128	564875.4	4222692	1.284E-08	1.00E-09	6.08E-09	1.99E-08	6.81E-09	1.10E-09	6.08E-09	1.40E-08	1.69E-09	1.96E-10	1.99E-09	3.87E-09	1.30E-09	1.09E-10	9.08E-10	2.32E-09
1129	564868.4	4222680	1.343E-08	1.00E-09	6.36E-09	2.08E-08	7.12E-09	1.10E-09	6.36E-09	1.46E-08	1.76E-09	1.96E-10	2.08E-09	4.04E-09	1.36E-09	1.09E-10	9.50E-10	2.42E-09
1130	564861.5	4222667	1.403E-08	1.00E-09	6.65E-09	2.17E-08	7.44E-09	1.10E-09	6.65E-09	1.52E-08	1.84E-09	1.96E-10	2.17E-09	4.21E-09	1.43E-09	1.09E-10	9.92E-10	2.53E-09
1131	564854.5	4222655	1.463E-08	1.00E-09	6.93E-09	2.26E-08	7.76E-09	1.10E-09	6.93E-09	1.58E-08	1.92E-09	1.96E-10	2.27E-09	4.38E-09	1.49E-09	1.09E-10	1.03E-09	2.63E-09
1132	564997.2	4222864	6.251E-09	1.00E-09	2.96E-09	1.02E-08	3.31E-09	1.10E-09	2.96E-09	7.38E-09	8.21E-10	1.96E-10	9.69E-10	1.99E-09	6.35E-10	1.09E-10	4.42E-10	1.19E-09
1133	564983.6	4222860	6.36E-09	1.00E-09	3.01E-09	1.04E-08	3.37E-09	1.10E-09	3.01E-09	7.49E-09	8.35E-10	1.96E-10	9.86E-10	2.02E-09	6.46E-10	1.09E-10	4.50E-10	1.21E-09
1134	564970	4222856	6.472E-09	1.00E-09	3.07E-09	1.05E-08	3.43E-09	1.10E-09	3.07E-09	7.60E-09	8.50E-10	1.96E-10	1.00E-09	2.05E-09	6.58E-10	1.09E-10	4.58E-10	1.22E-09
1135	564956.4	4222852	6.586E-09	1.00E-09	3.12E-09	1.07E-08	3.49E-09	1.10E-09	3.12E-09	7.71E-09	8.65E-10	1.96E-10	1.02E-09	2.08E-09	6.69E-10	1.09E-10	4.66E-10	1.24E-09
1136	564939.4	4222842	6.867E-09	1.00E-09	3.25E-09	1.11E-08	3.64E-09	1.10E-09	3.25E-09	8.00E-09	9.02E-10	1.96E-10	1.06E-09	2.16E-09	6.98E-10	1.09E-10	4.86E-10	1.29E-09
1137	564932.4	4222830	7.22E-09	1.00E-09	3.42E-09	1.16E-08	3.83E-09	1.10E-09	3.42E-09	8.35E-09	9.48E-10	1.96E-10	1.12E-09	2.26E-09	7.34E-10	1.09E-10	5.11E-10	1.35E-09
1138	564925.5	4222818	7.598E-09	1.00E-09	3.60E-09	1.22E-08	4.03E-09	1.10E-09	3.60E-09	8.73E-09	9.98E-10	1.96E-10	1.18E-09	2.37E-09	7.72E-10	1.09E-10	5.37E-10	1.42E-09
1139	564918.5	4222806	7.999E-09	1.00E-09	3.79E-09	1.28E-08	4.24E-09	1.10E-09	3.79E-09	9.13E-09	1.05E-09	1.96E-10	1.24E-09	2.49E-09	8.13E-10	1.09E-10	5.66E-10	1.49E-09
1140	564911.5	4222793	8.424E-09	1.00E-09	3.99E-09	1.34E-08	4.47E-09	1.10E-09	3.99E-09	9.56E-09	1.11E-09	1.96E-10	1.31E-09	2.61E-09	8.56E-10	1.09E-10	5.96E-10	1.56E-09
1141	564904.6	4222781	8.872E-09	1.00E-09	4.20E-09	1.41E-08	4.70E-09	1.10E-09	4.20E-09	1.00E-08	1.17E-09	1.96E-10	1.38E-09	2.74E-09	9.02E-10	1.09E-10	6.27E-10	1.64E-09
1142	564897.6	4222769	9.341E-09	1.00E-09	4.43E-09	1.48E-08	4.95E-09	1.10E-09	4.43E-09	1.05E-08	1.23E-09	1.96E-10	1.45E-09	2.87E-09	9.49E-10	1.09E-10	6.61E-10	1.72E-09
1143	564890.7	4222756	9.83E-09	1.00E-09	4.66E-09	1.55E-08	5.21E-09	1.10E-09	4.66E-09	1.10E-08	1.29E-09	1.96E-10	1.52E-09	3.01E-09	9.99E-10	1.09E-10	6.95E-10	1.80E-09
1144	564883.7	4222744	1.034E-08	1.00E-09	4.90E-09	1.62E-08	5.48E-09	1.10E-09	4.90E-09	1.15E-08	1.36E-09	1.96E-10	1.60E-09	3.16E-09	1.05E-09	1.09E-10	7.31E-10	1.89E-09
1145	564876.7	4222732	1.086E-08	1.00E-09	5.15E-09	1.70E-08	5.76E-09	1.10E-09	5.15E-09	1.20E-08	1.43E-09	1.96E-10	1.68E-09	3.31E-09	1.10E-09	1.09E-10	7.68E-10	1.98E-09
1146	564869.8	4222720	1.14E-08	1.00E-09	5.40E-09	1.78E-08	6.04E-09	1.10E-09	5.40E-09	1.25E-08	1.50E-09	1.96E-10	1.77E-09	3.46E-09	1.16E-09	1.09E-10	8.06E-10	2.07E-09
1147	564862.8	4222707	1.195E-08	1.00E-09	5.66E-09	1.86E-08	6.33E-09	1.10E-09	5.66E-09	1.31E-08	1.57E-09	1.96E-10	1.85E-09	3.62E-09	1.21E-09	1.09E-10	8.45E-10	2.17E-09
1148	564855.9	4222695	1.25E-08	1.00E-09	5.92E-09	1.94E-08	6.63E-09	1.10E-09	5.92E-09	1.37E-08	1.64E-09	1.96E-10	1.94E-09	3.78E-09	1.27E-09	1.09E-10	8.84E-10	2.26E-09
1149	564848.9	4222683	1.306E-08	1.00E-09	6.19E-09	2.03E-08	6.92E-09	1.10E-09	6.19E-09	1.42E-08	1.72E-09	1.96E-10	2.02E-09	3.94E-09	1.33E-09	1.09E-10	9.24E-10	2.36E-09
1150	564841.9	4222671	1.362E-08	1.00E-09	6.45E-09	2.11E-08	7.22E-09	1.10E-09	6.45E-09	1.48E-08	1.79E-09	1.96E-10	2.11E-09	4.10E-09	1.38E-09	1.09E-10	9.63E-10	2.46E-09
1151	564835	4222658	1.417E-08	1.00E-09	6.71E-09	2.19E-08	7.51E-09	1.10E-09	6.71E-09	1.53E-08	1.86E-09	1.96E-10	2.20E-09	4.25E-09	1.44E-09	1.09E-10	1.00E-09	2.55E-09
1152	564998.6	4222884	5.805E-09	1.00E-09	2.75E-09	9.56E-09	3.08E-09	1.10E-09	2.75E-09	6.93E-09	7.62E-10	1.96E-10	9.00E-10	1.86E-09	5.90E-10	1.09E-10	4.11E-10	1.11E-09
1153	564985	4222880	5.902E-09	1.00E-09	2.80E-09	9.70E-09	3.13E-09	1.10E-09	2.80E-09	7.03E-09	7.75E-10	1.96E-10	9.15E-10	1.89E-09	6.00E-10	1.09E-10	4.17E-10	1.13E-09
1154	564971.4	4222876	6.002E-09	1.00E-09	2.84E-09	9.85E-09	3.18E-09	1.10E-09	2.84E-09	7.13E-09	7.88E-10	1.96E-10	9.30E-10	1.91E-09	6.10E-10	1.09E-10	4.24E-10	1.14E-09
1155	564957.7	4222872	6.104E-09	1.00E-09	2.89E-09	1.00E-08	3.24E-09	1.10E-09	2.89E-09	7.23E-09	8.02E-10	1.96E-10	9.46E-10	1.94E-09	6.20E-10	1.09E-10	4.32E-10	1.16E-09
1156	564944.1	4222868	6.209E-09	1.00E-09	2.94E-09	1.02E-08	3.29E-09	1.10E-09	2.94E-09	7.33E-09	8.15E-10	1.96E-10	9.62E-10	1.97E-09	6.31E-10	1.09E-10	4.39E-10	1.18E-09
1157	564927	4222858	6.468E-09	1.00E-09	3.06E-09	1.05E-08	3.43E-09	1.10E-09	3.06E-09	7.59E-09	8.49E-10	1.96E-10	1.00E-09	2.05E-09	6.57E-10	1.09E-10	4.57E-10	1.22E-09
1158	564920.1	4222846	6.791E-09	1.00E-09	3.22E-09	1.10E-08	3.60E-09	1.10E-09	3.22E-09	7.92E-09	8.92E-10	1.96E-10	1.05E-09	2.14E-09	6.90E-10	1.09E-10	4.80E-10	1.28E-09
1159	564913.1	4222834	7.137E-09	1.00E-09	3.38E-09	1.15E-08	3.78E-09	1.10E-09	3.38E-09	8.27E-09	9.37E-10	1.96E-10	1.11E-09	2.24E-09	7.25E-10	1.09E-10	5.05E-10	1.34E-09
1160	564906.1	4222821	7.505E-09	1.00E-09	3.56E-09	1.21E-08	3.98E-09	1.10E-09	3.56E-09	8.64E-09	9.86E-10	1.96E-10	1.16E-09	2.35E-09	7.63E-10	1.09E-10	5.31E-10	1.40E-09
1161	564899.1	4222809	7.894E-09	1.00E-09	3.74E-09	1.26E-08	4.19E-09	1.10E-09	3.74E-09	9.03E-09	1.04E-09	1.96E-10	1.22E-09	2.46E-09	8.02E-10	1.09E-10	5.58E-10	1.47E-09
1162	564892.1	4222797	8.305E-09	1.00E-09	3.93E-09	1.32E-08	4.40E-09	1.10E-09	3.93E-09	9.44E-09	1.09E-09	1.96E-10	1.29E-09	2.57E-09	8.44E-10	1.09E-10	5.87E-10	1.54E-09
1163	564885.2	4222784	8.735E-09	1.00E-09	4.14E-09	1.39E-08	4.63E-09	1.10E-09	4.14E-09	9.87E-09	1.15E-09	1.96E-10	1.35E-09	2.70E-09	8.88E-10	1.09E-10	6.18E-10	1.61E-09
1164	564878.2	4222772	9.185E-09	1.00E-09	4.35E-09	1.45E-08	4.87E-09	1.10E-09	4.35E-09	1.03E-08	1.21E-09	1.96E-10	1.42E-09	2.83E-09	9.33E-10	1.09E-10	6.50E-10	1.69E-09
1165	564871.2	4222760	9.653E-09	1.00E-09	4.57E-09	1.52E-08	5.12E-09	1.10E-09	4.57E-09	1.08E-08	1.27E-09	1.96E-10	1.50E-09	2.96E-09	9.81E-10	1.09E-10	6.83E-10	1.77E-09
1166	564864.2	4222747	1.014E-08	1.00E-09	4.80E-09	1.59E-08	5.37E-09	1.10E-09	4.80E-09	1.13E-08	1.33E-09	1.96E-10	1.57E-09	3.10E-09	1.03E-09	1.09E-10	7.17E-10	1.86E-09
1167	564857.3	4222735	1.063E-08	1.00E-09	5.04E-09	1.67E-08	5.64E-09	1.10E-09	5.04E-09	1.18E-08	1.40E-09	1.96E-10	1.65E-09	3.24E-09	1.08E-09	1.09E-10	7.52E-10	1.94E-09
1168	564850.3	4222723	1.114E-08	1.00E-09	5.28E-09	1.74E-08	5.91E-09	1.10E-09	5.28E-09	1.23E-08	1.46E-09	1.96E-10	1.73E-09	3.39E-09	1.13E-09	1.09E-10	7.88E-10	2.03E-09
1169	564843.3	4222710	1.166E-08	1.00E-09	5.52E-09	1.82E-08	6.18E-09	1.10E-09	5.52E-09	1.28E-08	1.53E-09	1.96E-10	1.81E-09	3.53E-09	1.18E-09	1.09E-10	8.24E-10	2.12E-09
1170	564836.3	4222698	1.218E-08	1.00E-09	5.77E-09	1.90E-08	6.46E-09	1.10E-09	5.77E-09	1.33E-08	1.60E-09	1.96E-10	1.89E-09	3.68E-09	1.24E-09	1.09E-10	8.61E-10	2.21E-09
1171	564829.4	4222686	1.27E-08	1.00E-09	6.02E-09	1.97E-08	6.73E-09	1.10E-09	6.02E-09	1.39E-08	1.67E-09	1.96E-10	1.97E-09	3.83E-09	1.29E-09	1.09E-10	8.98E-10	2.30E-09
1172	564822.4	4222674	1.322E-08	1.00E-09	6.26E-09	2.05E-08	7.01E-09	1.10E-09	6.26E-09	1.44E-08	1.74E-09	1.96E-10	2.05E-09	3.98E-09	1.34E-09	1.09E-10	9.35E-10	2.39E-09
1173	564815.4	4222661	1.374E-08	1.00E-09	6.51E-09	2.13E-08	7.28E-09	1.10E-09	6.51E-09	1.49E-08	1.80E-09	1.96E-10	2.13E-09	4.13E-09	1.40E-09	1.09E-10	9.72E-10	2.48E-09
1174	564992.3	4222890	5.68E-09	1.00E-09	2.69E-09	9.38E-09	3.01E-09	1.10E-09	2.69E-09	6.80E-09	7.46E-10	1.96E-10	8.80E-10	1.82E-09	5.77E-10	1.09E-10	4.02E-10	1.09E-09
1175	564996.7	4222814	7.643E-09	1.00E-09	3.62E-09	1.23E-08	4.05E-09	1.10E-09	3.62E-09	8.77E-09	1.00E-09	1.96E-10	1.18E-09	2.38E-09	7.77E-10	1.09E-10	5.41E-10	1.43E-09
1176	564988	4222795	8.315E-09	1.00E-09	3.94E-09	1.33E-08	4.41E-09	1.10E-09	3.94E-09	9.45E-09	1.09E-09	1.96E-10	1.29E-09	2.58E-09	8.45E-10	1.09E-10	5.88E-10	1.54E-09
1177	564979.3	4222776	9.068E-09	1.00E-09	4.30E-09	1.44E-08	4.81E-09	1.10E-09	4.30E-09	1.02E-08	1.19E-09	1.96E-10	1.41E-09	2.79E-09	9.22E-10	1.09E-10	6.41E-10	1.67E-09
1178	564974.5	4222810	7.818E-09	1.00E-09	3.70E-09	1.25E-08	4.15E-09	1.10E-09	3.70E-09	8.95E-09	1.03E-09	1.96E-10	1.21E-09	2.44E-09	7.95E-10	1.09E-10	5.53E-10	1.46E-09
1179	564988.6	4222870	6.119E-09	1.00E-09	2.90E-09	1.00E-08	3.24E-09	1.10E-09	2.90E-09	7.24E-09	8.04E-10	1.96E-10	9.48E-10	1.95E-09	6.22E-10	1.09E-10	4.33E-10	1.16E-09
1180	564963	4222829	7.233E-09	1.00E-09	3.43E-09	1.17E-08	3.83E-09	1.10E-09	3.43E-09	8.36E-09	9.50E-10	1.96E-10	1.12E-09	2.27E-09	7.35E-10	1.09E-10	5.12E-10	1.36E-09
1181	564954.3	4222809	7.847E-09	1.00E-09	3.72E-09	1.26E-08	4.16E-09	1.10E-09	3.72E-09	8.98E-09	1.03E-09	1.96E-10	1.22E-09	2.44E-09	7.97E-10	1.09E-10	5.55E-10	1.46E-09
1182	564884.4	4222655	1.507E-08	1.00E-09	7.14E-09	2.32E-08	7.99E-09	1.10E-09	7.14E-09	1.62E-08	1.98E-09	1.96E-10	2.34E-09	4.51E-09	1.53E-09	1.09E-10	1.07E-09	2.71E-09
1183	564975.3	4222885	5.8E-09	1.00E-09	2.75E-09	9.55E-09	3.07E-09	1.10E-09	2.75E-09	6.92E-09	7.62E-10	1.96E-10	8.99E-10	1.86E-09	5.89E-10	1.09E-10	4.10E-10	1.11E-09
1184	564958.5	4222863	6.315E-09	1.00E-09	2.99E-09	1.03E-08	3.35E-09	1.10E-09	2.99E-09	7.44E-09	8.29E-10	1.96E-10	9.79E-10	2.00E-09	6.42E-10	1.09E-10	4.47E-10	1.20E-09
1185	564949.8	4222844	6.82E-09	1.00E-09	3.23E-09	1.11E-08	3.62E-09	1.10E-09	3.23E-09	7.95E-09	8.96E-10	1.96E-10	1.06E-09	2.15E-09	6.93E-10	1.09E-10	4.82E-10	1.28E-09
1186	564944.5	4222832	7.149E-09	1.00E-09	3.39E-09	1.15E-08	3.79E-09	1.10E-09	3.39E-09	8.28E-09	9.39E-10	1.96E-10	1.11E-09	2.24E-09	7.27E-10	1.09E-10	5.06E-10	1.34E-09
1187	564935.8	4222813	7.746E-09	1.00E-09	3.67E-09	1.24E-08	4.11E-09	1.10E-09	3.67E-09	8.88E-09	1.02E-09	1.96E-10	1.20E-09	2.41E-09	7.87E-10	1.09E-10	5.48E-10	1.44E-09
1188	564871.3	4222670	1.398E-08	1.00E-09	6.63E-09	2.16E-08	7.41E-09	1.10E-09	6.63E-09	1.51E-08	1.84E-09	1.96E-10	2.17E-09	4.20E-09	1.42E-09	1.09E-10	9.89E-10	2.52E-09
1189	564866	4222659	1.458E-08	1.00E-09	6.91E-09	2.25E-08	7.73E-09	1.10E-09	6.91E-09	1.57E-08	1.92E-09	1.96E-10	2.26E-09	4.37E-09	1.48E-09	1.09E-10	1.03E-09	2.62E-09
1190	565388.8	4223035	3.888E-09	1.00E-09	1.84E-09	6.74E-09	2.06E-09	1.10E-09	1.84E-09	5.00E-09	5.11E-10	1.96E-10	6.03E-10	1.31E-09	3.95E-10	1.09E-10	2.75E-10	7.79E-10
1191	564990.2	4222909	5.312E-09	1.00E-09	2.52E-09	8.83E-09	2.82E-09	1.10E-09	2.52E-09	6.43E-09	6.98E-10	1.96E-10	8.24E-10	1.72E-09	5.40E-10	1.09E-10	3.76E-10	1.02E-09
1192	564978.1	4222905	5.394E-09	1.00E-09	2.56E-09	8.95E-09	2.86E-09	1.10E-09	2.56E-09	6.52E-09	7.08E-10	1.96E-10	8.36E-10	1.74E-09	5.48E-10	1.09E-10	3.81E-10	1.04E-09
1193	564966	4222901	5.478E-09	1.00E-09	2.60E-09	9.08E-09	2.90E-09	1.10E-09	2.60E-09	6.60E-09	7.19E-10	1.96E-10	8.49E-10	1.76E-09	5.57E-10	1.09E-10	3.87E-10	1.05E-09
1194	564952.2	4222893	5.644E-09	1.00E-09	2.67E-09	9.32E-09	2.99E-09	1.10E-09	2.67E-09	6.77E-09	7.41E-10	1.96E-10	8.75E-10	1.81E-09	5.74E-10	1.09E-10	3.99E-10	1.08E-09
1195	564947	4222882	5.893E-09	1.00E-09	2.79E-09	9.69E-09	3.12E-09	1.10E-09	2.79E-09	7.02E-09	7.74E-10	1.96E-10	9.14E-10	1.88E-09	5.99E-10	1.09E-10	4.17E-10	1.12E-09
1196	564936.5	4222859	6.442E-09	1.00E-09	3.05E-09	1.05E-08	3.42E-09	1.10E-09	3.05E-09	7.57E-09	8.46E-10	1.96E-10	9.99E-10	2.04E-09	6.55E-10	1.09E-10	4.56E-10	1.22E-09
1197	564931.3	4222847	6.743E-09	1.00E-09	3.19E-09	1.09E-08	3.58E-09	1.10E-09	3.19E-09	7.87E-09	8.86E-10	1.96E-10	1.05E-09	2.13E-09	6.85E-10	1.09E-10	4.77E-10	1.27E-09
1198	564922.6	4222828	7.29E-09	1.00E-09	3.45E-09	1.17E-08	3.86E-09	1.10E-09	3.45E-09	8.42E-09	9.57E-10	1.96E-10	1.13E-09	2.28E-09	7.41E-10	1.09E-10	5.16E-10	1.37E-09
1199	564858.1	4222686	1.3E-08	1.00E-09	6.16E-09	2.02E-08	6.89E-09	1.10E-09	6.16E-09	1.42E-08	1.71E-09	1.96E-10	2.02E-09	3.92E-09	1.32E-09	1.09E-10	9.20E-10	2.35E-09
1200	564852.9	4222674	1.356E-08	1.00E-09	6.42E-09	2.10E-08	7.19E-09	1.10E-09	6.42E-09	1.47E-08	1.78E-09	1.96E-10	2.10E-09	4.08E-09	1.38E-09	1.09E-10	9.59E-10	2.45E-09
1201	564847.6	4222663	1.412E-08	1.00E-09	6.69E-09	2.18E-08	7.48E-09	1.10E-09	6.69E-09	1.53E-08	1.85E-09	1.96E-10	2.19E-09	4.24E-09	1.43E-09	1.09E-10	9.98E-10	2.54E-09
1202	565391.1	4223055	3.703E-09	1.00E-09	1.75E-09	6.46E-09	1.96E-09	1.10E-09	1.75E-09	4.82E-09	4.86E-10	1.96E-10	5.74E-10	1.26E-09	3.76E-10	1.09E-10	2.62E-10	7.47E-10
1203	564993	4222929	4.962E-09	1.00E-09	2.35E-09	8.32E-09	2.63E-09	1.10E-09	2.35E-09	6.08E-09	6.52E-10	1.96E-10	7.69E-10	1.62E-09	5.04E-10	1.09E-10	3.51E-10	9.64E-10
1204	564980.9	4222925	5.033E-09	1.00E-09	2.38E-09	8.42E-09	2.67E-09	1.10E-09	2.38E-09	6.15E-09	6.61E-10	1.96E-10	7.80E-10	1.64E-09	5.12E-10	1.09E-10	3.56E-10	9.77E-10
1205	564968.8	4222921	5.108E-09	1.00E-09	2.42E-09	8.53E-09	2.71E-09	1.10E-09	2.42E-09	6.23E-09	6.71E-10	1.96E-10	7.92E-10	1.66E-09	5.19E-10	1.09E-10	3.61E-10	9.90E-10
1206	564956.8	4222917	5.184E-09	1.00E-09	2.46E-09	8.64E-09	2.75E-09	1.10E-09	2.46E-09	6.31E-09	6.81E-10	1.96E-10	8.04E-10	1.68E-09	5.27E-10	1.09E-10	3.67E-10	1.00E-09
1207	564944.7	4222913	5.263E-09	1.00E-09	2.49E-09	8.76E-09	2.79E-09	1.10E-09	2.49E-09	6.39E-09	6.91E-10	1.96E-10	8.16E-10	1.70E-09	5.35E-10	1.09E-10	3.72E-10	1.02E-09
1208	564937.2	4222905	5.438E-09	1.00E-09	2.58E-09	9.02E-09	2.88E-09	1.10E-09	2.58E-09	6.56E-09	7.14E-10	1.96E-10	8.43E-10	1.75E-09	5.53E-10	1.09E-10	3.85E-10	1.05E-09
1209	564932	4222893	5.672E-09	1.00E-09	2.69E-09	9.36E-09	3.01E-09	1.10E-09	2.69E-09	6.80E-09	7.45E-10	1.96E-10	8.79E-10	1.82E-09	5.76E-10	1.09E-10	4.01E-10	1.09E-09
1210	564926.8	4222881	5.923E-09	1.00E-09	2.81E-09	9.73E-09	3.14E-09	1.10E-09	2.81E-09	7.05E-09	7.78E-10	1.96E-10	9.18E-10	1.89E-09	6.02E-10	1.09E-10	4.19E-10	1.13E-09
1211	564921.5	4222870	6.188E-09	1.00E-09	2.93E-09	1.01E-08	3.28E-09	1.10E-09	2.93E-09	7.31E-09	8.13E-10	1.96E-10	9.59E-10	1.97E-09	6.29E-10	1.09E-10	4.38E-10	1.18E-09
1212	564916.3	4222858	6.47E-09	1.00E-09	3.07E-09	1.05E-08	3.43E-09	1.10E-09	3.07E-09	7.60E-09	8.50E-10	1.96E-10	1.00E-09	2.05E-09	6.57E-10	1.09E-10	4.58E-10	1.22E-09
1213	564911.1	4222847	6.769E-09	1.00E-09	3.21E-09	1.10E-08	3.59E-09	1.10E-09	3.21E-09	7.90E-09	8.89E-10	1.96E-10	1.05E-09	2.13E-09	6.88E-10	1.09E-10	4.79E-10	1.28E-09
1214	564904.1	4222832	7.2E-09	1.00E-09	3.41E-09	1.16E-08	3.82E-09	1.10E-09	3.41E-09	8.33E-09	9.46E-10	1.96E-10	1.12E-09	2.26E-09	7.32E-10	1.09E-10	5.09E-10	1.35E-09
1215	564845	4222701	1.212E-08	1.00E-09	5.74E-09	1.89E-08	6.43E-09	1.10E-09	5.74E-09	1.33E-08	1.59E-09	1.96E-10	1.88E-09	3.67E-09	1.23E-09	1.09E-10	8.57E-10	2.20E-09
1216	564839.7	4222689	1.263E-08	1.00E-09	5.98E-09	1.96E-08	6.70E-09	1.10E-09	5.98E-09	1.38E-08	1.66E-09	1.96E-10	1.96E-09	3.81E-09	1.28E-09	1.09E-10	8.93E-10	2.29E-09
1217	564834.5	4222678	1.315E-08	1.00E-09	6.23E-09	2.04E-08	6.97E-09	1.10E-09	6.23E-09	1.43E-08	1.73E-09	1.96E-10	2.04E-09	3.96E-09	1.34E-09	1.09E-10	9.30E-10	2.38E-09
1218	564829.3	4222666	1.367E-08	1.00E-09	6.48E-09	2.12E-08	7.25E-09	1.10E-09	6.48E-09	1.48E-08	1.80E-09	1.96E-10	2.12E-09	4.11E-09	1.39E-09	1.09E-10	9.67E-10	2.47E-09
1219	564824.1	4222655	1.419E-08	1.00E-09	6.72E-09	2.19E-08	7.52E-09	1.10E-09	6.72E-09	1.53E-08	1.86E-09	1.96E-10	2.20E-09	4.26E-09	1.44E-09	1.09E-10	1.00E-09	2.56E-09
1220	565393.3	4223075	3.532E-09	1.00E-09	1.67E-09	6.21E-09	1.87E-09	1.10E-09	1.67E-09	4.65E-09	4.64E-10	1.96E-10	5.47E-10	1.21E-09	3.59E-10	1.09E-10	2.50E-10	7.18E-10
1221	564995.7	4222949	4.65E-09	1.00E-09	2.20E-09	7.86E-09	2.47E-09	1.10E-09	2.20E-09	5.77E-09	6.11E-10	1.96E-10	7.21E-10	1.53E-09	4.73E-10	1.09E-10	3.29E-10	9.11E-10
1222	564915.2	4222900	5.54E-09	1.00E-09	2.62E-09	9.17E-09	2.94E-09	1.10E-09	2.62E-09	6.66E-09	7.28E-10	1.96E-10	8.59E-10	1.78E-09	5.63E-10	1.09E-10	3.92E-10	1.06E-09
1223	564910	4222889	5.78E-09	1.00E-09	2.74E-09	9.52E-09	3.06E-09	1.10E-09	2.74E-09	6.90E-09	7.59E-10	1.96E-10	8.96E-10	1.85E-09	5.87E-10	1.09E-10	4.09E-10	1.11E-09
1224	564904.8	4222877	6.035E-09	1.00E-09	2.86E-09	9.90E-09	3.20E-09	1.10E-09	2.86E-09	7.16E-09	7.93E-10	1.96E-10	9.36E-10	1.92E-09	6.13E-10	1.09E-10	4.27E-10	1.15E-09
1225	564899.6	4222866	6.305E-09	1.00E-09	2.99E-09	1.03E-08	3.34E-09	1.10E-09	2.99E-09	7.43E-09	8.28E-10	1.96E-10	9.77E-10	2.00E-09	6.41E-10	1.09E-10	4.46E-10	1.20E-09
1226	564894.4	4222854	6.592E-09	1.00E-09	3.12E-09	1.07E-08	3.49E-09	1.10E-09	3.12E-09	7.72E-09	8.66E-10	1.96E-10	1.02E-09	2.08E-09	6.70E-10	1.09E-10	4.66E-10	1.25E-09
1227	564889.2	4222843	6.897E-09	1.00E-09	3.27E-09	1.12E-08	3.66E-09	1.10E-09	3.27E-09	8.03E-09	9.06E-10	1.96E-10	1.07E-09	2.17E-09	7.01E-10	1.09E-10	4.88E-10	1.30E-09
1228	564883.9	4222831	7.218E-09	1.00E-09	3.42E-09	1.16E-08	3.83E-09	1.10E-09	3.42E-09	8.35E-09	9.48E-10	1.96E-10	1.12E-09	2.26E-09	7.34E-10	1.09E-10	5.10E-10	1.35E-09
1229	564878.7	4222820	7.558E-09	1.00E-09	3.58E-09	1.21E-08	4.01E-09	1.10E-09	3.58E-09	8.69E-09	9.93E-10	1.96E-10	1.17E-09	2.36E-09	7.68E-10	1.09E-10	5.35E-10	1.41E-09

1230	564873.5	4222808	7.915E-09	1.00E-09	3.75E-09	1.27E-08	4.20E-09	1.10E-09	3.75E-09	9.05E-09	1.04E-09	1.96E-10	1.23E-09	2.46E-09	8.04E-10	1.09E-10	5.60E-10	1.47E-09
1231	564868.3	4222797	8.288E-09	1.00E-09	3.93E-09	1.32E-08	4.39E-09	1.10E-09	3.93E-09	9.42E-09	1.09E-09	1.96E-10	1.28E-09	2.57E-09	8.42E-10	1.09E-10	5.86E-10	1.54E-09
1232	564863.1	4222785	8.679E-09	1.00E-09	4.11E-09	1.38E-08	4.60E-09	1.10E-09	4.11E-09	9.81E-09	1.14E-09	1.96E-10	1.35E-09	2.68E-09	8.82E-10	1.09E-10	6.14E-10	1.61E-09
1233	564857.9	4222774	9.085E-09	1.00E-09	4.30E-09	1.44E-08	4.82E-09	1.10E-09	4.30E-09	1.02E-08	1.19E-09	1.96E-10	1.41E-09	2.80E-09	9.23E-10	1.09E-10	6.42E-10	1.68E-09
1234	564852.7	4222762	9.506E-09	1.00E-09	4.50E-09	1.50E-08	5.04E-09	1.10E-09	4.50E-09	1.06E-08	1.25E-09	1.96E-10	1.47E-09	2.92E-09	9.66E-10	1.09E-10	6.72E-10	1.75E-09
1235	564847.4	4222751	9.942E-09	1.00E-09	4.71E-09	1.57E-08	5.27E-09	1.10E-09	4.71E-09	1.11E-08	1.31E-09	1.96E-10	1.54E-09	3.04E-09	1.01E-09	1.09E-10	7.03E-10	1.82E-09
1236	564842.2	4222739	1.039E-08	1.00E-09	4.92E-09	1.63E-08	5.51E-09	1.10E-09	4.92E-09	1.15E-08	1.36E-09	1.96E-10	1.61E-09	3.17E-09	1.06E-09	1.09E-10	7.35E-10	1.90E-09
1237	564837	4222728	1.085E-08	1.00E-09	5.14E-09	1.70E-08	5.75E-09	1.10E-09	5.14E-09	1.20E-08	1.42E-09	1.96E-10	1.68E-09	3.30E-09	1.10E-09	1.09E-10	7.67E-10	1.98E-09
1238	564831.8	4222716	1.132E-08	1.00E-09	5.36E-09	1.77E-08	6.00E-09	1.10E-09	5.36E-09	1.25E-08	1.49E-09	1.96E-10	1.75E-09	3.44E-09	1.15E-09	1.09E-10	8.00E-10	2.06E-09
1239	564826.6	4222705	1.179E-08	1.00E-09	5.59E-09	1.84E-08	6.25E-09	1.10E-09	5.59E-09	1.29E-08	1.55E-09	1.96E-10	1.83E-09	3.57E-09	1.20E-09	1.09E-10	8.34E-10	2.14E-09
1240	564821.4	4222693	1.228E-08	1.00E-09	5.82E-09	1.91E-08	6.51E-09	1.10E-09	5.82E-09	1.34E-08	1.61E-09	1.96E-10	1.90E-09	3.71E-09	1.25E-09	1.09E-10	8.68E-10	2.22E-09
1241	564816.1	4222682	1.276E-08	1.00E-09	6.05E-09	1.98E-08	6.77E-09	1.10E-09	6.05E-09	1.39E-08	1.68E-09	1.96E-10	1.98E-09	3.85E-09	1.30E-09	1.09E-10	9.02E-10	2.31E-09
1242	564996.7	4222701	1.309E-08	1.00E-09	6.20E-09	2.03E-08	6.94E-09	1.10E-09	6.20E-09	1.42E-08	1.72E-09	1.96E-10	2.03E-09	3.95E-09	1.33E-09	1.09E-10	9.26E-10	2.37E-09
1243	564988.7	4222730	1.13E-08	1.00E-09	5.35E-09	1.77E-08	5.99E-09	1.10E-09	5.35E-09	1.24E-08	1.48E-09	1.96E-10	1.75E-09	3.43E-09	1.15E-09	1.09E-10	7.99E-10	2.06E-09
1244	564978.2	4222704	1.278E-08	1.00E-09	6.05E-09	1.98E-08	6.77E-09	1.10E-09	6.05E-09	1.39E-08	1.68E-09	1.96E-10	1.98E-09	3.86E-09	1.30E-09	1.09E-10	9.04E-10	2.31E-09
1245	564974.7	4222696	1.331E-08	1.00E-09	6.31E-09	2.06E-08	7.06E-09	1.10E-09	6.31E-09	1.45E-08	1.75E-09	1.96E-10	2.06E-09	4.01E-09	1.35E-09	1.09E-10	9.41E-10	2.40E-09
1246	564964.4	4222719	1.183E-08	1.00E-09	5.60E-09	1.84E-08	6.27E-09	1.10E-09	5.60E-09	1.30E-08	1.55E-09	1.96E-10	1.83E-09	3.58E-09	1.20E-09	1.09E-10	8.36E-10	2.15E-09
1247	564961	4222711	1.23E-08	1.00E-09	5.83E-09	1.91E-08	6.52E-09	1.10E-09	5.83E-09	1.35E-08	1.62E-09	1.96E-10	1.91E-09	3.72E-09	1.25E-09	1.09E-10	8.70E-10	2.23E-09
1248	564991.9	4222834	7.034E-09	1.00E-09	3.33E-09	1.14E-08	3.73E-09	1.10E-09	3.33E-09	8.16E-09	9.24E-10	1.96E-10	1.09E-09	2.21E-09	7.15E-10	1.09E-10	4.97E-10	1.32E-09
1249	564947.2	4222726	1.141E-08	1.00E-09	5.41E-09	1.78E-08	6.05E-09	1.10E-09	5.41E-09	1.26E-08	1.50E-09	1.96E-10	1.77E-09	3.46E-09	1.16E-09	1.09E-10	8.07E-10	2.08E-09
1250	564943.7	4222718	1.185E-08	1.00E-09	5.62E-09	1.85E-08	6.28E-09	1.10E-09	5.62E-09	1.30E-08	1.56E-09	1.96E-10	1.84E-09	3.59E-09	1.20E-09	1.09E-10	8.38E-10	2.15E-09
1251	564977.6	4222848	6.665E-09	1.00E-09	3.16E-09	1.08E-08	3.53E-09	1.10E-09	3.16E-09	7.79E-09	8.75E-10	1.96E-10	1.03E-09	2.10E-09	6.77E-10	1.09E-10	4.71E-10	1.26E-09
1252	564932.2	4222738	1.075E-08	1.00E-09	5.09E-09	1.68E-08	5.70E-09	1.10E-09	5.09E-09	1.19E-08	1.41E-09	1.96E-10	1.67E-09	3.27E-09	1.09E-09	1.09E-10	7.60E-10	1.96E-09
1253	564925.2	4222721	1.159E-08	1.00E-09	5.49E-09	1.81E-08	6.14E-09	1.10E-09	5.49E-09	1.27E-08	1.52E-09	1.96E-10	1.80E-09	3.51E-09	1.18E-09	1.09E-10	8.20E-10	2.11E-09
1254	564914.9	4222745	1.04E-08	1.00E-09	4.93E-09	1.63E-08	5.51E-09	1.10E-09	4.93E-09	1.15E-08	1.37E-09	1.96E-10	1.61E-09	3.17E-09	1.06E-09	1.09E-10	7.35E-10	1.90E-09
1255	564911.4	4222736	1.078E-08	1.00E-09	5.11E-09	1.69E-08	5.72E-09	1.10E-09	5.11E-09	1.19E-08	1.42E-09	1.96E-10	1.67E-09	3.28E-09	1.10E-09	1.09E-10	7.62E-10	1.97E-09
1256	564986.8	4222899	5.493E-09	1.00E-09	2.60E-09	9.10E-09	2.91E-09	1.10E-09	2.60E-09	6.62E-09	7.21E-10	1.96E-10	8.51E-10	1.77E-09	5.58E-10	1.09E-10	3.88E-10	1.06E-09
1257	564978.3	4222896	5.571E-09	1.00E-09	2.64E-09	9.21E-09	2.95E-09	1.10E-09	2.64E-09	6.69E-09	7.32E-10	1.96E-10	8.64E-10	1.79E-09	5.66E-10	1.09E-10	3.94E-10	1.07E-09
1258	564961.2	4222889	5.734E-09	1.00E-09	2.72E-09	9.45E-09	3.04E-09	1.10E-09	2.72E-09	6.86E-09	7.53E-10	1.96E-10	8.89E-10	1.84E-09	5.83E-10	1.09E-10	4.05E-10	1.10E-09
1259	564899.9	4222757	9.825E-09	1.00E-09	4.65E-09	1.55E-08	5.21E-09	1.10E-09	4.65E-09	1.10E-08	1.29E-09	1.96E-10	1.52E-09	3.01E-09	9.99E-10	1.09E-10	6.95E-10	1.80E-09
1260	564896.4	4222749	1.019E-08	1.00E-09	4.83E-09	1.60E-08	5.40E-09	1.10E-09	4.83E-09	1.13E-08	1.34E-09	1.96E-10	1.58E-09	3.11E-09	1.04E-09	1.09E-10	7.20E-10	1.86E-09
1261	564892.9	4222740	1.056E-08	1.00E-09	5.00E-09	1.66E-08	5.60E-09	1.10E-09	5.00E-09	1.17E-08	1.39E-09	1.96E-10	1.64E-09	3.22E-09	1.07E-09	1.09E-10	7.47E-10	1.93E-09
1262	565400.4	4223046	3.809E-09	1.00E-09	1.80E-09	6.62E-09	2.02E-09	1.10E-09	1.80E-09	4.93E-09	5.00E-10	1.96E-10	5.90E-10	1.29E-09	3.87E-10	1.09E-10	2.69E-10	7.66E-10
1263	564963.9	4222910	5.314E-09	1.00E-09	2.52E-09	8.84E-09	2.82E-09	1.10E-09	2.52E-09	6.44E-09	6.98E-10	1.96E-10	8.24E-10	1.72E-09	5.40E-10	1.09E-10	3.76E-10	1.03E-09
1264	564955.4	4222906	5.388E-09	1.00E-09	2.55E-09	8.95E-09	2.86E-09	1.10E-09	2.55E-09	6.51E-09	7.08E-10	1.96E-10	8.35E-10	1.74E-09	5.48E-10	1.09E-10	3.81E-10	1.04E-09
1265	564947	4222903	5.464E-09	1.00E-09	2.59E-09	9.06E-09	2.90E-09	1.10E-09	2.59E-09	6.59E-09	7.18E-10	1.96E-10	8.47E-10	1.76E-09	5.55E-10	1.09E-10	3.86E-10	1.05E-09
1266	564882.7	4222764	9.521E-09	1.00E-09	4.51E-09	1.50E-08	5.05E-09	1.10E-09	4.51E-09	1.07E-08	1.25E-09	1.96E-10	1.48E-09	2.92E-09	9.68E-10	1.09E-10	6.73E-10	1.75E-09
1267	564879.2	4222755	9.858E-09	1.00E-09	4.67E-09	1.55E-08	5.23E-09	1.10E-09	4.67E-09	1.10E-08	1.29E-09	1.96E-10	1.53E-09	3.02E-09	1.00E-09	1.09E-10	6.97E-10	1.81E-09
1268	564966.3	4222931	4.945E-09	1.00E-09	2.34E-09	8.29E-09	2.62E-09	1.10E-09	2.34E-09	6.07E-09	6.49E-10	1.96E-10	7.66E-10	1.61E-09	5.02E-10	1.09E-10	3.50E-10	9.61E-10
1269	564957.9	4222927	5.009E-09	1.00E-09	2.37E-09	8.39E-09	2.66E-09	1.10E-09	2.37E-09	6.13E-09	6.58E-10	1.96E-10	7.77E-10	1.63E-09	5.09E-10	1.09E-10	3.54E-10	9.73E-10
1270	564949.5	4222924	5.076E-09	1.00E-09	2.40E-09	8.49E-09	2.69E-09	1.10E-09	2.40E-09	6.20E-09	6.67E-10	1.96E-10	7.87E-10	1.65E-09	5.16E-10	1.09E-10	3.59E-10	9.84E-10
1271	564932.7	4222917	5.214E-09	1.00E-09	2.47E-09	8.69E-09	2.76E-09	1.10E-09	2.47E-09	6.34E-09	6.85E-10	1.96E-10	8.08E-10	1.69E-09	5.30E-10	1.09E-10	3.69E-10	1.01E-09
1272	564872.3	4222787	8.624E-09	1.00E-09	4.09E-09	1.37E-08	4.57E-09	1.10E-09	4.09E-09	9.76E-09	1.13E-09	1.96E-10	1.34E-09	2.67E-09	8.76E-10	1.09E-10	6.10E-10	1.60E-09
1273	564861.9	4222762	9.545E-09	1.00E-09	4.52E-09	1.51E-08	5.06E-09	1.10E-09	4.52E-09	1.07E-08	1.25E-09	1.96E-10	1.48E-09	2.93E-09	9.70E-10	1.09E-10	6.75E-10	1.75E-09
1274	564855	4222745	1.02E-08	1.00E-09	4.83E-09	1.60E-08	5.41E-09	1.10E-09	4.83E-09	1.13E-08	1.34E-09	1.96E-10	1.58E-09	3.12E-09	1.04E-09	1.09E-10	7.21E-10	1.87E-09
1275	565390.9	4223086	3.426E-09	1.00E-09	1.62E-09	6.05E-09	1.82E-09	1.10E-09	1.62E-09	4.54E-09	4.50E-10	1.96E-10	5.31E-10	1.18E-09	3.48E-10	1.09E-10	2.42E-10	7.00E-10
1276	564896.1	4222893	5.698E-09	1.00E-09	2.70E-09	9.40E-09	3.02E-09	1.10E-09	2.70E-09	6.82E-09	7.48E-10	1.96E-10	8.83E-10	1.83E-09	5.79E-10	1.09E-10	4.03E-10	1.09E-09
1277	564892.6	4222885	5.881E-09	1.00E-09	2.79E-09	9.67E-09	3.12E-09	1.10E-09	2.79E-09	7.01E-09	7.72E-10	1.96E-10	9.12E-10	1.88E-09	5.98E-10	1.09E-10	4.16E-10	1.12E-09
1278	564889.1	4222876	6.072E-09	1.00E-09	2.88E-09	9.95E-09	3.22E-09	1.10E-09	2.88E-09	7.20E-09	7.97E-10	1.96E-10	9.41E-10	1.93E-09	6.17E-10	1.09E-10	4.29E-10	1.16E-09
1279	564885.5	4222868	6.271E-09	1.00E-09	2.97E-09	1.02E-08	3.32E-09	1.10E-09	2.97E-09	7.40E-09	8.24E-10	1.96E-10	9.72E-10	1.99E-09	6.37E-10	1.09E-10	4.44E-10	1.19E-09
1280	564882	4222859	6.48E-09	1.00E-09	3.07E-09	1.06E-08	3.44E-09	1.10E-09	3.07E-09	7.61E-09	8.51E-10	1.96E-10	1.00E-09	2.05E-09	6.58E-10	1.09E-10	4.58E-10	1.23E-09
1281	564878.5	4222851	6.697E-09	1.00E-09	3.17E-09	1.09E-08	3.55E-09	1.10E-09	3.17E-09	7.82E-09	8.79E-10	1.96E-10	1.04E-09	2.11E-09	6.81E-10	1.09E-10	4.74E-10	1.26E-09
1282	564875	4222842	6.923E-09	1.00E-09	3.28E-09	1.12E-08	3.67E-09	1.10E-09	3.28E-09	8.05E-09	9.09E-10	1.96E-10	1.07E-09	2.18E-09	7.04E-10	1.09E-10	4.90E-10	1.30E-09
1283	564871.5	4222834	7.158E-09	1.00E-09	3.39E-09	1.16E-08	3.79E-09	1.10E-09	3.39E-09	8.29E-09	9.40E-10	1.96E-10	1.11E-09	2.25E-09	7.27E-10	1.09E-10	5.06E-10	1.34E-09
1284	564868	4222825	7.402E-09	1.00E-09	3.51E-09	1.19E-08	3.92E-09	1.10E-09	3.51E-09	8.53E-09	9.72E-10	1.96E-10	1.15E-09	2.32E-09	7.52E-10	1.09E-10	5.23E-10	1.38E-09
1285	564864.5	4222816	7.655E-09	1.00E-09	3.63E-09	1.23E-08	4.06E-09	1.10E-09	3.63E-09	8.79E-09	1.01E-09	1.96E-10	1.19E-09	2.39E-09	7.78E-10	1.09E-10	5.41E-10	1.43E-09
1286	564860.9	4222808	7.918E-09	1.00E-09	3.75E-09	1.27E-08	4.20E-09	1.10E-09	3.75E-09	9.05E-09	1.04E-09	1.96E-10	1.23E-09	2.46E-09	8.05E-10	1.09E-10	5.60E-10	1.47E-09
1287	564857.4	4222799	8.189E-09	1.00E-09	3.88E-09	1.31E-08	4.34E-09	1.10E-09	3.88E-09	9.32E-09	1.08E-09	1.96E-10	1.27E-09	2.54E-09	8.32E-10	1.09E-10	5.79E-10	1.52E-09
1288	564853.9	4222791	8.47E-09	1.00E-09	4.01E-09	1.35E-08	4.49E-09	1.10E-09	4.01E-09	9.60E-09	1.11E-09	1.96E-10	1.31E-09	2.62E-09	8.61E-10	1.09E-10	5.99E-10	1.57E-09
1289	564850.4	4222782	8.759E-09	1.00E-09	4.15E-09	1.39E-08	4.64E-09	1.10E-09	4.15E-09	9.89E-09	1.15E-09	1.96E-10	1.36E-09	2.70E-09	8.90E-10	1.09E-10	6.19E-10	1.62E-09
1290	564846.9	4222774	9.056E-09	1.00E-09	4.29E-09	1.44E-08	4.80E-09	1.10E-09	4.29E-09	1.02E-08	1.19E-09	1.96E-10	1.40E-09	2.79E-09	9.20E-10	1.09E-10	6.40E-10	1.67E-09
1291	564843.4	4222765	9.361E-09	1.00E-09	4.44E-09	1.48E-08	4.96E-09	1.10E-09	4.44E-09	1.05E-08	1.23E-09	1.96E-10	1.45E-09	2.88E-09	9.51E-10	1.09E-10	6.62E-10	1.72E-09
1292	564839.8	4222757	9.674E-09	1.00E-09	4.58E-09	1.53E-08	5.13E-09	1.10E-09	4.58E-09	1.08E-08	1.27E-09	1.96E-10	1.50E-09	2.97E-09	9.83E-10	1.09E-10	6.84E-10	1.78E-09
1293	564836.3	4222748	9.994E-09	1.00E-09	4.73E-09	1.57E-08	5.30E-09	1.10E-09	4.73E-09	1.11E-08	1.31E-09	1.96E-10	1.55E-09	3.06E-09	1.02E-09	1.09E-10	7.07E-10	1.83E-09
1294	564832.8	4222740	1.032E-08	1.00E-09	4.89E-09	1.62E-08	5.47E-09	1.10E-09	4.89E-09	1.15E-08	1.36E-09	1.96E-10	1.60E-09	3.15E-09	1.05E-09	1.09E-10	7.30E-10	1.89E-09
1295	564822.3	4222714	1.134E-08	1.00E-09	5.37E-09	1.77E-08	6.01E-09	1.10E-09	5.37E-09	1.25E-08	1.49E-09	1.96E-10	1.76E-09	3.44E-09	1.15E-09	1.09E-10	8.02E-10	2.06E-09
1296	565390.8	4223106	3.268E-09	1.00E-09	1.55E-09	5.82E-09	1.73E-09	1.10E-09	1.55E-09	4.38E-09	4.29E-10	1.96E-10	5.07E-10	1.13E-09	3.32E-10	1.09E-10	2.31E-10	6.73E-10

			UnMitigated			T2			T2L3			T4		
			3.96E-02	5.24E-02	1.88E-02	2.10E-02	5.74E-02	1.88E-02	5.20E-03	1.02E-02	6.14E-03	4.03E-03	5.70E-03	2.80E-03
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	565427.7	4222516	1.12E-02	1.49E-02	5.32E-03	5.96E-03	1.63E-02	5.32E-03	1.48E-03	2.90E-03	1.74E-03	1.14E-03	1.62E-03	7.95E-04
2	565422.4	4222529	8.05E-03	1.06E-02	3.81E-03	4.27E-03	1.17E-02	3.81E-03	1.06E-03	2.08E-03	1.25E-03	8.18E-04	1.16E-03	5.69E-04
3	565432.3	4222525	9.31E-03	1.23E-02	4.41E-03	4.94E-03	1.35E-02	4.41E-03	1.22E-03	2.41E-03	1.44E-03	9.46E-04	1.34E-03	6.59E-04
4	565427	4222537	6.87E-03	9.08E-03	3.25E-03	3.64E-03	9.96E-03	3.25E-03	9.02E-04	1.77E-03	1.06E-03	6.98E-04	9.88E-04	4.86E-04
5	565436.9	4222533	7.90E-03	1.04E-02	3.74E-03	4.19E-03	1.14E-02	3.74E-03	1.04E-03	2.04E-03	1.22E-03	8.03E-04	1.14E-03	5.58E-04
6	565431.6	4222546	5.97E-03	7.89E-03	2.83E-03	3.16E-03	8.65E-03	2.83E-03	7.84E-04	1.54E-03	9.25E-04	6.06E-04	8.58E-04	4.22E-04
7	565422.3	4222548	5.39E-03	7.13E-03	2.56E-03	2.86E-03	7.82E-03	2.56E-03	7.08E-04	1.39E-03	8.36E-04	5.48E-04	7.76E-04	3.81E-04
8	565441.5	4222542	6.82E-03	9.02E-03	3.23E-03	3.62E-03	9.89E-03	3.23E-03	8.96E-04	1.76E-03	1.06E-03	6.93E-04	9.81E-04	4.82E-04
9	565435.3	4222555	5.21E-03	6.89E-03	2.47E-03	2.76E-03	7.55E-03	2.47E-03	6.84E-04	1.35E-03	8.08E-04	5.29E-04	7.49E-04	3.68E-04
10	565424.1	4222558	4.64E-03	6.13E-03	2.20E-03	2.46E-03	6.72E-03	2.20E-03	6.09E-04	1.20E-03	7.19E-04	4.71E-04	6.67E-04	3.28E-04
11	565446.1	4222551	5.98E-03	7.91E-03	2.83E-03	3.17E-03	8.67E-03	2.83E-03	7.85E-04	1.54E-03	9.27E-04	6.08E-04	8.60E-04	4.23E-04
12	565440.1	4222564	4.64E-03	6.14E-03	2.20E-03	2.46E-03	6.73E-03	2.20E-03	6.10E-04	1.20E-03	7.20E-04	4.72E-04	6.68E-04	3.28E-04
13	565429.2	4222566	4.17E-03	5.52E-03	1.98E-03	2.21E-03	6.05E-03	1.98E-03	5.48E-04	1.08E-03	6.47E-04	4.24E-04	6.00E-04	2.95E-04
14	565450.7	4222560	5.29E-03	6.99E-03	2.50E-03	2.80E-03	7.67E-03	2.50E-03	6.94E-04	1.37E-03	8.20E-04	5.37E-04	7.61E-04	3.74E-04
15	565444.8	4222572	4.17E-03	5.52E-03	1.98E-03	2.21E-03	6.05E-03	1.98E-03	5.48E-04	1.08E-03	6.47E-04	4.24E-04	6.01E-04	2.95E-04
16	565434.1	4222575	3.77E-03	4.98E-03	1.78E-03	2.00E-03	5.46E-03	1.78E-03	4.95E-04	9.73E-04	5.84E-04	3.83E-04	5.42E-04	2.66E-04
17	565423.4	4222578	3.42E-03	4.53E-03	1.62E-03	1.82E-03	4.96E-03	1.62E-03	4.50E-04	8.85E-04	5.31E-04	3.48E-04	4.93E-04	2.42E-04
18	565455.4	4222568	4.73E-03	6.25E-03	2.24E-03	2.51E-03	6.86E-03	2.24E-03	6.21E-04	1.22E-03	7.33E-04	4.81E-04	6.80E-04	3.34E-04
19	565449.5	4222581	3.79E-03	5.01E-03	1.80E-03	2.01E-03	5.50E-03	1.80E-03	4.98E-04	9.80E-04	5.88E-04	3.85E-04	5.45E-04	2.68E-04
20	565439	4222584	3.44E-03	4.55E-03	1.63E-03	1.82E-03	4.99E-03	1.63E-03	4.52E-04	8.89E-04	5.33E-04	3.50E-04	4.95E-04	2.43E-04
21	565428.5	4222586	3.14E-03	4.15E-03	1.49E-03	1.66E-03	4.55E-03	1.49E-03	4.12E-04	8.11E-04	4.87E-04	3.19E-04	4.52E-04	2.22E-04
22	565460	4222577	4.27E-03	5.65E-03	2.02E-03	2.26E-03	6.19E-03	2.02E-03	5.61E-04	1.10E-03	6.62E-04	4.34E-04	6.14E-04	3.02E-04
23	565454.2	4222590	3.47E-03	4.59E-03	1.64E-03	1.84E-03	5.03E-03	1.64E-03	4.56E-04	8.97E-04	5.38E-04	3.53E-04	4.99E-04	2.45E-04
24	565443.8	4222592	3.16E-03	4.18E-03	1.50E-03	1.68E-03	4.59E-03	1.50E-03	4.16E-04	8.17E-04	4.91E-04	3.22E-04	4.55E-04	2.24E-04
25	565433.4	4222595	2.90E-03	3.83E-03	1.37E-03	1.53E-03	4.20E-03	1.37E-03	3.80E-04	7.48E-04	4.49E-04	2.94E-04	4.16E-04	2.05E-04
26	565423	4222597	2.67E-03	3.53E-03	1.27E-03	1.42E-03	3.87E-03	1.27E-03	3.51E-04	6.90E-04	4.14E-04	2.72E-04	3.84E-04	1.89E-04
27	565464.6	4222586	3.89E-03	5.14E-03	1.84E-03	2.06E-03	5.64E-03	1.84E-03	5.10E-04	1.00E-03	6.03E-04	3.95E-04	5.59E-04	2.75E-04
28	565458.3	4222598	3.18E-03	4.20E-03	1.51E-03	1.68E-03	4.61E-03	1.51E-03	4.17E-04	8.21E-04	4.93E-04	3.23E-04	4.57E-04	2.25E-04
29	565469.2	4222594	3.56E-03	4.71E-03	1.69E-03	1.89E-03	5.16E-03	1.69E-03	4.67E-04	9.19E-04	5.52E-04	3.62E-04	5.12E-04	2.52E-04
30	565438.1	4223019	3.27E-04	4.33E-04	1.55E-04	1.74E-04	4.75E-04	1.55E-04	4.30E-05	8.46E-05	5.08E-05	3.33E-05	4.71E-05	2.32E-05
31	565426.8	4223022	3.22E-04	4.25E-04	1.52E-04	1.70E-04	4.66E-04	1.52E-04	4.22E-05	8.31E-05	4.98E-05	3.27E-05	4.63E-05	2.27E-05
32	565415.4	4223025	3.16E-04	4.18E-04	1.50E-04	1.67E-04	4.58E-04	1.50E-04	4.15E-05	8.16E-05	4.90E-05	3.21E-05	4.54E-05	2.23E-05
33	565449.1	4223037	3.16E-04	4.18E-04	1.50E-04	1.67E-04	4.58E-04	1.50E-04	4.15E-05	8.16E-05	4.89E-05	3.21E-05	4.54E-05	2.23E-05
34	565437.8	4223040	3.10E-04	4.10E-04	1.47E-04	1.64E-04	4.50E-04	1.47E-04	4.07E-05	8.01E-05	4.81E-05	3.15E-05	4.46E-05	2.19E-05
35	565426.5	4223042	3.05E-04	4.03E-04	1.44E-04	1.62E-04	4.42E-04	1.44E-04	4.00E-05	7.88E-05	4.73E-05	3.10E-05	4.38E-05	2.16E-05
36	565415.3	4223045	3.00E-04	3.96E-04	1.42E-04	1.59E-04	4.34E-04	1.42E-04	3.94E-05	7.74E-05	4.65E-05	3.05E-05	4.31E-05	2.12E-05
37	565443.8	4223058	2.97E-04	3.93E-04	1.41E-04	1.58E-04	4.31E-04	1.41E-04	3.90E-05	7.68E-05	4.61E-05	3.02E-05	4.28E-05	2.10E-05
38	565432.4	4223061	2.92E-04	3.86E-04	1.38E-04	1.55E-04	4.24E-04	1.38E-04	3.84E-05	7.55E-05	4.53E-05	2.97E-05	4.20E-05	2.07E-05
39	565420.9	4223064	2.87E-04	3.80E-04	1.36E-04	1.52E-04	4.16E-04	1.36E-04	3.77E-05	7.42E-05	4.45E-05	2.92E-05	4.13E-05	2.03E-05
40	565443.4	4223078	2.82E-04	3.74E-04	1.34E-04	1.50E-04	4.09E-04	1.34E-04	3.71E-05	7.30E-05	4.38E-05	2.87E-05	4.06E-05	2.00E-05
41	565432.1	4223081	2.78E-04	3.67E-04	1.32E-04	1.47E-04	4.03E-04	1.32E-04	3.65E-05	7.18E-05	4.31E-05	2.82E-05	4.00E-05	1.97E-05
42	565420.7	4223084	2.73E-04	3.62E-04	1.30E-04	1.45E-04	3.96E-04	1.30E-04	3.59E-05	7.06E-05	4.24E-05	2.78E-05	3.93E-05	1.93E-05
43	565443.1	4223098	2.69E-04	3.56E-04	1.27E-04	1.43E-04	3.90E-04	1.27E-04	3.53E-05	6.95E-05	4.17E-05	2.73E-05	3.87E-05	1.90E-05
44	565431.8	4223101	2.65E-04	3.50E-04	1.25E-04	1.40E-04	3.84E-04	1.25E-04	3.48E-05	6.84E-05	4.10E-05	2.69E-05	3.81E-05	1.87E-05
45	565420.5	4223104	2.61E-04	3.45E-04	1.23E-04	1.38E-04	3.78E-04	1.23E-04	3.42E-05	6.73E-05	4.04E-05	2.65E-05	3.75E-05	1.84E-05
46	565433.5	4222508	1.42E-02	1.88E-02	6.72E-03	7.52E-03	2.06E-02	6.72E-03	1.86E-03	3.66E-03	2.20E-03	1.44E-03	2.04E-03	1.00E-03
47	565406.8	4223063	2.84E-04	3.76E-04	1.35E-04	1.51E-04	4.12E-04	1.35E-04	3.73E-05	7.34E-05	4.41E-05	2.89E-05	4.09E-05	2.01E-05
48	565406.4	4223083	2.71E-04	3.58E-04	1.28E-04	1.43E-04	3.92E-04	1.28E-04	3.55E-05	6.99E-05	4.19E-05	2.75E-05	3.89E-05	1.91E-05
49	565405.9	4223103	2.58E-04	3.41E-04	1.22E-04	1.37E-04	3.74E-04	1.22E-04	3.39E-05	6.66E-05	4.00E-05	2.62E-05	3.71E-05	1.82E-05
50	565443.5	4222508	1.47E-02	1.94E-02	6.95E-03	7.78E-03	2.13E-02	6.95E-03	1.93E-03	3.79E-03	2.27E-03	1.49E-03	2.11E-03	1.04E-03
51	565453.4	4222509	1.51E-02	1.99E-02	7.14E-03	7.99E-03	2.18E-02	7.14E-03	1.98E-03	3.89E-03	2.33E-03	1.53E-03	2.17E-03	1.07E-03
52	565463.3	4222509	1.54E-02	2.03E-02	7.29E-03	8.15E-03	2.23E-02	7.29E-03	2.02E-03	3.97E-03	2.38E-03	1.56E-03	2.21E-03	1.09E-03
53	565473.1	4222509	1.57E-02	2.07E-02	7.43E-03	8.32E-03	2.27E-02	7.43E-03	2.06E-03	4.05E-03	2.43E-03	1.59E-03	2.26E-03	1.11E-03
54	565483	4222509	1.59E-02	2.10E-02	7.53E-03	8.43E-03	2.31E-02	7.53E-03	2.09E-03	4.11E-03	2.47E-03	1.62E-03	2.29E-03	1.12E-03
55	565443.4	4222518	1.14E-02	1.51E-02	5.42E-03	6.07E-03	1.66E-02	5.42E-03	1.50E-03	2.96E-03	1.77E-03	1.16E-03	1.65E-03	8.09E-04
56	565453.3	4222518	1.19E-02	1.57E-02	5.63E-03	6.30E-03	1.72E-02	5.63E-03	1.56E-03	3.07E-03	1.84E-03	1.21E-03	1.71E-03	8.40E-04
57	565463.2	4222518	1.23E-02	1.62E-02	5.80E-03	6.49E-03	1.78E-02	5.80E-03	1.61E-03	3.16E-03	1.90E-03	1.24E-03	1.76E-03	8.66E-04
58	565473.1	4222519	1.26E-02	1.67E-02	5.98E-03	6.69E-03	1.83E-02	5.98E-03	1.66E-03	3.26E-03	1.96E-03	1.28E-03	1.82E-03	8.93E-04
59	565482.9	4222519	1.29E-02	1.71E-02	6.12E-03	6.85E-03	1.87E-02	6.12E-03	1.70E-03	3.34E-03	2.00E-03	1.31E-03	1.86E-03	9.14E-04
60	565453.2	4222528	9.57E-03	1.27E-02	4.54E-03	5.08E-03	1.39E-02	4.54E-03	1.26E-03	2.47E-03	1.48E-03	9.73E-04	1.38E-03	6.77E-04
61	565463.1	4222528	9.95E-03	1.32E-02	4.72E-03	5.28E-03	1.44E-02	4.72E-03	1.31E-03	2.57E-03	1.54E-03	1.01E-03	1.43E-03	7.04E-04
62	565473	4222528	1.03E-02	1.37E-02	4.90E-03	5.48E-03	1.50E-02	4.90E-03	1.36E-03	2.67E-03	1.60E-03	1.05E-03	1.49E-03	7.31E-04
63	565482.8	4222529	1.07E-02	1.41E-02	5.05E-03	5.66E-03	1.55E-02	5.05E-03	1.40E-03	2.76E-03	1.65E-03	1.08E-03	1.53E-03	7.54E-04
64	565453.1	4222538	7.85E-03	1.04E-02	3.72E-03	4.16E-03	1.14E-02	3.72E-03	1.03E-03	2.03E-03	1.22E-03	7.98E-04	1.13E-03	5.55E-04
65	565463	4222538	8.21E-03	1.09E-02	3.89E-03	4.35E-03	1.19E-02	3.89E-03	1.08E-03	2.12E-03	1.27E-03	8.35E-04	1.18E-03	5.81E-04
66	565472.9	4222538	8.58E-03	1.13E-02	4.06E-03	4.55E-03	1.24E-02	4.06E-03	1.13E-03	2.22E-03	1.33E-03	8.72E-04	1.23E-03	6.07E-04
67	565482.8	4222538	8.91E-03	1.18E-02	4.22E-03	4.72E-03	1.29E-02	4.22E-03	1.17E-03	2.30E-03	1.38E-03	9.06E-04	1.28E-03	6.30E-04
68	565462.9	4222548	6.87E-03	9.08E-03	3.25E-03	3.64E-03	9.96E-03	3.25E-03	9.02E-04	1.77E-03	1.06E-03	6.98E-04	9.88E-04	4.86E-04
69	565472.8	4222548	7.21E-03	9.53E-03	3.41E-03	3.82E-03	1.04E-02	3.41E-03	9.47E-04	1.86E-03	1.12E-03	7.32E-04	1.04E-03	5.10E-04
70	565482.7	4222548	7.52E-03	9.95E-03	3.56E-03	3.99E-03	1.09E-02	3.56E-03	9.88E-04	1.94E-03	1.17E-03	7.65E-04	1.08E-03	5.32E-04
71	565462.8	4222558	5.81E-03	7.69E-03	2.75E-03	3.08E-03	8.43E-03	2.75E-03	7.63E-04	1.50E-03	9.01E-04	5.91E-04	8.36E-04	4.11E-04
72	565472.7	4222558	6.12E-03	8.09E-03	2.90E-03	3.24E-03	8.87E-03	2.90E-03	8.04E-04	1.58E-03	9.49E-04	6.22E-04	8.80E-04	4.33E-04
73	565482.6	4222558	6.41E-03	8.48E-03	3.04E-03	3.40E-03	9.30E-03	3.04E-03	8.42E-04	1.66E-03	9.94E-04	6.52E-04	9.22E-04	4.54E-04
74	565472.6	4222568	5.25E-03	6.94E-03	2.49E-03	2.78E-03	7.61E-03	2.49E-03	6.89E-04	1.36E-03	8.13E-04	5.33E-04	7.55E-04	3.71E-04
75	565482.5	4222568	5.51E-03	7.29E-03	2.61E-03	2.92E-03	7.99E-03	2.61E-03	7.24E-04	1.42E-03	8.55E-04	5.60E-04	7.93E-04	3.90E-04
76	565472.5	4222578	4.54E-03	6.00E-03	2.15E-03	2.41E-03	6.58E-03	2.15E-03	5.96E-04	1.17E-03	7.04E-04	4.61E-04	6.53E-04	3.21E-04
77	565482.4	4222578	4.78E-03	6.32E-03	2.26E-03	2.53E-03	6.93E-03	2.26E-03	6.27E-04	1.23E-03	7.41E-04	4.85E-04	6.87E-04	3.38E-04
78	565482.3	4222588	4.17E-03	5.52E-03	1.98E-03	2.21E-03	6.05E-03	1.98E-03	5.48E-04	1.08E-03	6.47E-04	4.24E-04	6.00E-04	2.95E-04
79	565482.2	4222597	3.67E-03	4.85E-03	1.74E-03	1.95E-03	5.32E-03	1.74E-03	4.82E-04	9.48E-04	5.69E-04	3.73E-04	5.28E-04	2.60E-04
80	565532.8	4222462	2.25E-02	2.97E-02	1.06E-02	1.19E-02	3.26E-02	1.06E-02	2.95E-03	5.80E-03	3.48E-03	2.28E-03	3.23E-03	1.59E-03
81	565532.6	4222452	2.41E-02	3.19E-02	1.14E-02	1.28E-02	3.50E-02	1.14E-02	3.17E-03	6.24E-03	3.74E-03	2.45E-03	3.47E-03	1.71E-03
82	565532.1	4222442	2.61E-02	3.45E-02	1.23E-02	1.38E-02	3.78E-02	1.23E-02	3.42E-03	6.73E-03	4.04E-03	2.65E-03	3.75E-03	1.84E-03
83	565531.7	4222432	2.81E-02	3.72E-02	1.33E-02	1.49E-02	4.08E-02	1.33E-02	3.69E-03	7.26E-03	4.36E-03	2.86E-03	4.04E-03	1.99E-03
84	565531.2	4222423	3.04E-02	4.03E-02	1.44E-02	1.61E-02	4.41E-02	1.44E-02	4.00E-03	7.87E-03	4.72E-03	3.09E-03	4.38E-03	2.15E-03
85	565530.9	4222409	3.38E-02	4.47E-02	1.60E-02	1.79E-02	4.90E-02	1.60E-02	4.44E-03	8.74E-03	5.24E-03	3.44E-03	4.86E-03	2.39E-03
86	565530.9	4222400	3.58E-02	4.74E-02	1.70E-02	1.90E-02	5.20E-02	1.70E-02	4.71E-03	9.26E-03	5.56E-03	3.64E-03	5.16E-03	2.53E-03
87	565532.1	4222389	3.71E-02	4.91E-02	1.76E-02	1.97E-02	5.38E-02	1.76E-02	4.87E-03	9.59E-03	5.75E-03	3.77E-03	5.34E-03	2.62E-03
88	565532.5	4222379	3.81E-02	5.04E-02	1.80E-02	2.02E-02	5.52E-02	1.80E-02	5.00E-03	9.84E-03	5.90E-03	3.87E-03	5.48E-03	2.69E-03

89	565532.5	4222368	3.90E-02	5.16E-02	1.85E-02	2.07E-02	5.66E-02	1.85E-02	5.12E-03	1.01E-02	6.05E-03	3.96E-03	5.61E-03	2.76E-03
90	565532.5	4222358	3.95E-02	5.22E-02	1.87E-02	2.09E-02	5.72E-02	1.87E-02	5.18E-03	1.02E-02	6.12E-03	4.01E-03	5.68E-03	2.79E-03
91	565532.4	4222348	3.96E-02	5.24E-02	1.88E-02	2.10E-02	5.74E-02	1.88E-02	5.20E-03	1.02E-02	6.14E-03	4.03E-03	5.70E-03	2.80E-03
92	565532.4	4222338	3.95E-02	5.22E-02	1.87E-02	2.09E-02	5.72E-02	1.87E-02	5.18E-03	1.02E-02	6.12E-03	4.01E-03	5.67E-03	2.79E-03
93	565532.4	4222328	3.90E-02	5.16E-02	1.85E-02	2.07E-02	5.65E-02	1.85E-02	5.12E-03	1.01E-02	6.05E-03	3.96E-03	5.61E-03	2.76E-03
94	565532.3	4222318	3.83E-02	5.06E-02	1.81E-02	2.03E-02	5.55E-02	1.81E-02	5.02E-03	9.88E-03	5.93E-03	3.89E-03	5.50E-03	2.71E-03
95	565532.3	4222309	3.72E-02	4.92E-02	1.76E-02	1.97E-02	5.39E-02	1.76E-02	4.89E-03	9.61E-03	5.77E-03	3.78E-03	5.35E-03	2.63E-03
96	565532.2	4222299	3.58E-02	4.74E-02	1.70E-02	1.90E-02	5.20E-02	1.70E-02	4.71E-03	9.26E-03	5.56E-03	3.64E-03	5.16E-03	2.54E-03
97	565542.4	4222368	3.37E-02	4.46E-02	1.60E-02	1.79E-02	4.89E-02	1.60E-02	4.43E-03	8.71E-03	5.22E-03	3.42E-03	4.85E-03	2.38E-03
98	565542.3	4222358	3.40E-02	4.50E-02	1.61E-02	1.80E-02	4.93E-02	1.61E-02	4.47E-03	8.79E-03	5.28E-03	3.46E-03	4.89E-03	2.41E-03
99	565542.3	4222348	3.41E-02	4.51E-02	1.62E-02	1.81E-02	4.94E-02	1.62E-02	4.48E-03	8.81E-03	5.28E-03	3.46E-03	4.90E-03	2.41E-03
100	565542.2	4222338	3.39E-02	4.48E-02	1.61E-02	1.80E-02	4.91E-02	1.61E-02	4.45E-03	8.75E-03	5.25E-03	3.44E-03	4.87E-03	2.40E-03
101	565542.2	4222328	3.34E-02	4.42E-02	1.58E-02	1.77E-02	4.85E-02	1.58E-02	4.39E-03	8.64E-03	5.18E-03	3.40E-03	4.81E-03	2.36E-03
102	565542.2	4222318	3.27E-02	4.33E-02	1.55E-02	1.73E-02	4.74E-02	1.55E-02	4.30E-03	8.45E-03	5.07E-03	3.33E-03	4.71E-03	2.31E-03
103	565542.1	4222309	3.17E-02	4.20E-02	1.50E-02	1.68E-02	4.60E-02	1.50E-02	4.17E-03	8.20E-03	4.92E-03	3.23E-03	4.57E-03	2.25E-03
104	565542.1	4222299	3.05E-02	4.03E-02	1.45E-02	1.62E-02	4.42E-02	1.45E-02	4.01E-03	7.88E-03	4.73E-03	3.10E-03	4.39E-03	2.16E-03
105	565532.2	4222289	3.42E-02	4.53E-02	1.62E-02	1.81E-02	4.96E-02	1.62E-02	4.49E-03	8.84E-03	5.31E-03	3.48E-03	4.92E-03	2.42E-03
106	565532.2	4222280	3.22E-02	4.26E-02	1.53E-02	1.71E-02	4.67E-02	1.53E-02	4.23E-03	8.33E-03	5.00E-03	3.27E-03	4.64E-03	2.28E-03
107	565532.2	4222270	2.98E-02	3.95E-02	1.41E-02	1.58E-02	4.33E-02	1.41E-02	3.92E-03	7.71E-03	4.63E-03	3.03E-03	4.29E-03	2.11E-03
108	565532.1	4222261	2.71E-02	3.58E-02	1.28E-02	1.44E-02	3.93E-02	1.28E-02	3.56E-03	7.00E-03	4.20E-03	2.75E-03	3.90E-03	1.92E-03
109	565532.1	4222252	2.40E-02	3.18E-02	1.14E-02	1.27E-02	3.48E-02	1.14E-02	3.16E-03	6.21E-03	3.72E-03	2.44E-03	3.46E-03	1.70E-03
110	565532.1	4222242	2.09E-02	2.77E-02	9.91E-03	1.11E-02	3.03E-02	9.91E-03	2.75E-03	5.40E-03	3.24E-03	2.12E-03	3.01E-03	1.48E-03
111	565532.1	4222233	1.80E-02	2.38E-02	8.54E-03	9.55E-03	2.61E-02	8.54E-03	2.37E-03	4.66E-03	2.79E-03	1.83E-03	2.59E-03	1.27E-03
112	565542.1	4222289	2.91E-02	3.84E-02	1.38E-02	1.54E-02	4.21E-02	1.38E-02	3.82E-03	7.51E-03	4.50E-03	2.95E-03	4.18E-03	2.06E-03
113	565542	4222280	2.73E-02	3.61E-02	1.29E-02	1.45E-02	3.96E-02	1.29E-02	3.59E-03	7.06E-03	4.24E-03	2.78E-03	3.93E-03	1.93E-03
114	565542	4222270	2.53E-02	3.35E-02	1.20E-02	1.34E-02	3.67E-02	1.20E-02	3.33E-03	6.55E-03	3.93E-03	2.58E-03	3.65E-03	1.79E-03
115	565542	4222261	2.32E-02	3.06E-02	1.10E-02	1.23E-02	3.36E-02	1.10E-02	3.04E-03	5.98E-03	3.59E-03	2.35E-03	3.33E-03	1.64E-03
116	565542	4222252	2.08E-02	2.75E-02	9.86E-03	1.10E-02	3.02E-02	9.86E-03	2.73E-03	5.38E-03	3.23E-03	2.12E-03	2.99E-03	1.47E-03
117	565541.9	4222242	0.018489	2.45E-02	8.76E-03	9.80E-03	2.68E-02	8.76E-03	2.43E-03	4.78E-03	2.87E-03	1.88E-03	2.66E-03	1.31E-03
118	565541.9	4222233	0.016309	2.16E-02	7.73E-03	8.65E-03	2.36E-02	7.73E-03	2.14E-03	4.21E-03	2.53E-03	1.66E-03	2.35E-03	1.15E-03
119	565551.8	4222252	0.018415	2.44E-02	8.72E-03	9.76E-03	2.67E-02	8.72E-03	2.42E-03	4.76E-03	2.85E-03	1.87E-03	2.65E-03	1.30E-03
120	565551.8	4222242	0.016602	2.20E-02	7.87E-03	8.80E-03	2.41E-02	7.87E-03	2.18E-03	4.29E-03	2.57E-03	1.69E-03	2.39E-03	1.17E-03
121	565551.8	4222233	0.014885	1.97E-02	7.05E-03	7.89E-03	2.16E-02	7.05E-03	1.95E-03	3.85E-03	2.31E-03	1.51E-03	2.14E-03	1.05E-03
122	565502.5	4222223	0.019162	2.53E-02	9.08E-03	1.02E-02	2.78E-02	9.08E-03	2.52E-03	4.95E-03	2.97E-03	1.95E-03	2.76E-03	1.36E-03
123	565492.6	4222223	0.020228	2.68E-02	9.58E-03	1.07E-02	2.93E-02	9.58E-03	2.66E-03	5.23E-03	3.14E-03	2.06E-03	2.91E-03	1.43E-03
124	565482.7	4222223	0.021228	2.81E-02	1.01E-02	1.13E-02	3.08E-02	1.01E-02	2.79E-03	5.48E-03	3.29E-03	2.16E-03	3.05E-03	1.50E-03
125	565472.8	4222223	0.022017	2.91E-02	1.04E-02	1.17E-02	3.19E-02	1.04E-02	2.89E-03	5.69E-03	3.41E-03	2.24E-03	3.17E-03	1.56E-03
126	565462.9	4222223	0.022556	2.98E-02	1.07E-02	1.20E-02	3.27E-02	1.07E-02	2.96E-03	5.83E-03	3.50E-03	2.29E-03	3.24E-03	1.60E-03
127	565453	4222223	0.022878	3.03E-02	1.08E-02	1.21E-02	3.32E-02	1.08E-02	3.00E-03	5.91E-03	3.55E-03	2.33E-03	3.29E-03	1.62E-03
128	565443.1	4222223	0.023049	3.05E-02	1.09E-02	1.22E-02	3.34E-02	1.09E-02	3.03E-03	5.95E-03	3.57E-03	2.34E-03	3.32E-03	1.63E-03
129	565433.2	4222223	0.023135	3.06E-02	1.10E-02	1.23E-02	3.35E-02	1.10E-02	3.04E-03	5.98E-03	3.59E-03	2.35E-03	3.33E-03	1.64E-03
130	565423.3	4222223	0.023181	3.07E-02	1.10E-02	1.23E-02	3.36E-02	1.10E-02	3.04E-03	5.99E-03	3.59E-03	2.36E-03	3.33E-03	1.64E-03
131	565413.4	4222223	0.023178	3.07E-02	1.10E-02	1.23E-02	3.36E-02	1.10E-02	3.04E-03	5.99E-03	3.59E-03	2.36E-03	3.33E-03	1.64E-03
132	565403.5	4222223	0.023117	3.06E-02	1.10E-02	1.23E-02	3.35E-02	1.10E-02	3.04E-03	5.97E-03	3.58E-03	2.35E-03	3.33E-03	1.63E-03
133	565393.6	4222223	0.022896	3.03E-02	1.08E-02	1.21E-02	3.32E-02	1.08E-02	3.01E-03	5.92E-03	3.55E-03	2.33E-03	3.29E-03	1.62E-03
134	565492.6	4222213	0.016032	2.12E-02	7.60E-03	8.50E-03	2.32E-02	7.60E-03	2.11E-03	4.14E-03	2.49E-03	1.63E-03	2.31E-03	1.13E-03
135	565482.7	4222213	0.016582	2.19E-02	7.86E-03	8.79E-03	2.40E-02	7.86E-03	2.18E-03	4.28E-03	2.57E-03	1.69E-03	2.39E-03	1.17E-03
136	565472.8	4222213	0.017077	2.26E-02	8.09E-03	9.05E-03	2.48E-02	8.09E-03	2.24E-03	4.41E-03	2.65E-03	1.74E-03	2.46E-03	1.21E-03
137	565462.9	4222213	0.017505	2.32E-02	8.29E-03	9.28E-03	2.54E-02	8.29E-03	2.30E-03	4.52E-03	2.71E-03	1.78E-03	2.52E-03	1.24E-03
138	565453	4222213	0.017844	2.36E-02	8.45E-03	9.46E-03	2.59E-02	8.45E-03	2.34E-03	4.61E-03	2.77E-03	1.81E-03	2.57E-03	1.26E-03
139	565443.1	4222213	0.018083	2.39E-02	8.57E-03	9.59E-03	2.62E-02	8.57E-03	2.37E-03	4.67E-03	2.80E-03	1.84E-03	2.60E-03	1.28E-03
140	565433.2	4222213	0.018239	2.41E-02	8.64E-03	9.67E-03	2.64E-02	8.64E-03	2.40E-03	4.71E-03	2.83E-03	1.85E-03	2.62E-03	1.29E-03
141	565423.3	4222213	0.018322	2.42E-02	8.68E-03	9.71E-03	2.66E-02	8.68E-03	2.41E-03	4.73E-03	2.84E-03	1.86E-03	2.64E-03	1.30E-03
142	565413.4	4222213	0.018345	2.43E-02	8.69E-03	9.73E-03	2.66E-02	8.69E-03	2.41E-03	4.74E-03	2.84E-03	1.86E-03	2.64E-03	1.30E-03
143	565403.5	4222213	0.01831	2.42E-02	8.67E-03	9.71E-03	2.65E-02	8.67E-03	2.40E-03	4.73E-03	2.84E-03	1.86E-03	2.63E-03	1.29E-03
144	565393.6	4222213	0.018165	2.40E-02	8.61E-03	9.63E-03	2.63E-02	8.61E-03	2.39E-03	4.69E-03	2.82E-03	1.85E-03	2.61E-03	1.28E-03
145	565492.6	4222203	0.013273	1.76E-02	6.29E-03	7.04E-03	1.92E-02	6.29E-03	1.74E-03	3.43E-03	2.06E-03	1.35E-03	1.91E-03	9.39E-04
146	565482.7	4222203	0.013594	1.80E-02	6.44E-03	7.21E-03	1.97E-02	6.44E-03	1.79E-03	3.51E-03	2.11E-03	1.38E-03	1.96E-03	9.61E-04
147	565472.8	4222203	0.013901	1.84E-02	6.59E-03	7.37E-03	2.02E-02	6.59E-03	1.83E-03	3.59E-03	2.15E-03	1.41E-03	2.00E-03	9.83E-04
148	565462.9	4222203	0.01419	1.88E-02	6.72E-03	7.52E-03	2.06E-02	6.72E-03	1.86E-03	3.67E-03	2.20E-03	1.44E-03	2.04E-03	1.00E-03
149	565453	4222203	0.014443	1.91E-02	6.84E-03	7.66E-03	2.09E-02	6.84E-03	1.90E-03	3.73E-03	2.24E-03	1.47E-03	2.08E-03	1.02E-03
150	565443.1	4222204	0.014643	1.94E-02	6.94E-03	7.76E-03	2.12E-02	6.94E-03	1.92E-03	3.78E-03	2.27E-03	1.49E-03	2.11E-03	1.04E-03
151	565433.2	4222204	0.014788	1.96E-02	7.01E-03	7.84E-03	2.14E-02	7.01E-03	1.94E-03	3.82E-03	2.29E-03	1.50E-03	2.13E-03	1.05E-03
152	565423.3	4222204	0.014874	1.97E-02	7.05E-03	7.89E-03	2.16E-02	7.05E-03	1.95E-03	3.84E-03	2.31E-03	1.51E-03	2.14E-03	1.05E-03
153	565413.4	4222204	0.014907	1.97E-02	7.06E-03	7.90E-03	2.16E-02	7.06E-03	1.96E-03	3.85E-03	2.31E-03	1.51E-03	2.14E-03	1.05E-03
154	565403.4	4222204	0.014891	1.97E-02	7.05E-03	7.90E-03	2.16E-02	7.05E-03	1.96E-03	3.85E-03	2.31E-03	1.51E-03	2.14E-03	1.05E-03
155	565393.5	4222204	0.014795	1.96E-02	7.01E-03	7.84E-03	2.14E-02	7.01E-03	1.94E-03	3.82E-03	2.29E-03	1.50E-03	2.13E-03	1.05E-03
156	565533.2	4222212	0.012982	1.72E-02	6.15E-03	6.88E-03	1.88E-02	6.15E-03	1.70E-03	3.35E-03	2.01E-03	1.32E-03	1.87E-03	9.18E-04
157	565492.6	4222194	0.011261	1.49E-02	5.33E-03	5.97E-03	1.63E-02	5.33E-03	1.48E-03	2.91E-03	1.75E-03	1.14E-03	1.62E-03	7.96E-04
158	565482.7	4222194	0.011465	1.52E-02	5.43E-03	6.08E-03	1.66E-02	5.43E-03	1.51E-03	2.96E-03	1.78E-03	1.17E-03	1.65E-03	8.11E-04
159	565472.8	4222194	0.01166	1.54E-02	5.52E-03	6.18E-03	1.69E-02	5.52E-03	1.53E-03	3.01E-03	1.81E-03	1.18E-03	1.68E-03	8.25E-04
160	565462.9	4222194	0.011847	1.57E-02	5.61E-03	6.28E-03	1.72E-02	5.61E-03	1.56E-03	3.06E-03	1.84E-03	1.20E-03	1.70E-03	8.38E-04
161	565453	4222194	0.012017	1.59E-02	5.69E-03	6.37E-03	1.74E-02	5.69E-03	1.58E-03	3.10E-03	1.86E-03	1.22E-03	1.73E-03	8.50E-04
162	565443	4222194	0.012162	1.61E-02	5.76E-03	6.45E-03	1.76E-02	5.76E-03	1.60E-03	3.14E-03	1.89E-03	1.24E-03	1.75E-03	8.60E-04
163	565433.1	4222194	0.01227	1.62E-02	5.81E-03	6.51E-03	1.78E-02	5.81E-03	1.61E-03	3.17E-03	1.90E-03	1.25E-03	1.77E-03	8.68E-04
164	565423.2	4222194	0.012339	1.63E-02	5.85E-03	6.54E-03	1.79E-02	5.85E-03	1.62E-03	3.19E-03	1.91E-03	1.25E-03	1.78E-03	8.73E-04
165	565413.3	4222194	0.01237	1.64E-02	5.86E-03	6.56E-03	1.79E-02	5.86E-03	1.62E-03	3.20E-03	1.92E-03	1.26E-03	1.78E-03	8.75E-04
166	565403.4	4222194	0.012363	1.64E-02	5.86E-03	6.55E-03	1.79E-02	5.86E-03	1.62E-03	3.19E-03	1.92E-03	1.26E-03	1.78E-03	8.74E-04
167	565393.5	4222194	0.012301	1.63E-02	5.83E-03	6.52E-03	1.78E-02	5.83E-03	1.62E-03	3.18E-03	1.91E-03	1.25E-03	1.77E-03	8.70E-04
168	565540.9	4222207	0.011582	1.53E-02	5.49E-03	6.14E-03	1.68E-02	5.49E-03	1.52E-03	2.99E-03	1.80E-03	1.18E-03	1.67E-03	8.19E-04
169	565544.5	4222215	0.012688	1.68E-02	6.01E-03	6.73E-03	1.84E-02	6.01E-03	1.67E-03	3.28E-03	1.97E-03	1.29E-03	1.83E-03	8.97E-04
170	565548.1	4222224	0.013803	1.83E-02	6.54E-03	7.32E-03	2.00E-02	6.54E-03	1.81E-03	3.57E-03	2.14E-03	1.40E-03	1.99E-03	9.76E-04
171	565502.5	4222184	0.009572	1.27E-02	4.53E-03	5.07E-03	1.39E-02	4.53E-03	1.26E-03	2.47E-03	1.48E-03	9.73E-04	1.38E-03	6.77E-04
172	565492.6	4222184	0.009722	1.29E-02	4.61E-03	5.15E-03	1.41E-02	4.61E-03	1.28E-03	2.51E-03	1.51E-03	9.88E-04	1.40E-03	6.88E-04
173	565482.6	4222184	0.009857	1.30E-02	4.67E-03	5.23E-03	1.43E-02	4.67E-03	1.29E-03	2.55E-03	1.53E-03	1.00E-03	1.42E-03	6.97E-04
174	565472.7	4222184	0.009983	1.32E-02	4.73E-03	5.29E-03	1.45E-02	4.73E-03	1.31E-03	2.58E-03	1.55E-03	1.01E-03	1.44E-03	7.06E-04
175	565462.8	4222184	0.010101	1.34E-02	4.79E-03	5.36E-03	1.46E-02	4.79E-03	1.33E-03	2.61E-03	1.57E-03	1.03E-03	1.45E-03	7.14E-04
176	565452.9	4222184	0.010211	1.35E-02	4.84E-03	5.41E-03	1.48E-02	4.84E-03	1.34E-03	2.64E-03	1.58E-03	1.04E-03	1.47E-03	7.22E-04
177	565443	4222184	0.010304	1.36E-02	4.88E-03	5.46E-03	1.49E-02	4.88E-03	1.35E-03	2.66E-03	1.60E-03	1.05E-03	1.48E-03	7.29E-04
178	565433.1	4222184	0.010377	1.37E-02	4.92E-03	5.50E-03	1.50E-02	4.92E-03	1.36E-03	2.68E-03	1.61E-03	1.05E-03	1.49E-03	7.34E-04
179	565423.2	4222184	0.010425	1.38E-02	4.94E-03	5.53E-03	1.51E-02	4.94E-03	1.37E-03	2.69E-03	1.62E-03	1.06E-03	1.50E-03	7.37E-04

180	565413.3	4222184	0.010447	1.38E-02	4.95E-03	5.54E-03	1.51E-02	4.95E-03	1.37E-03	2.70E-03	1.62E-03	1.06E-03	1.50E-03	7.39E-04
181	565403.4	4222184	0.010443	1.38E-02	4.95E-03	5.54E-03	1.51E-02	4.95E-03	1.37E-03	2.70E-03	1.62E-03	1.06E-03	1.50E-03	7.39E-04
182	565393.5	4222184	0.0104	1.38E-02	4.93E-03	5.51E-03	1.51E-02	4.93E-03	1.37E-03	2.69E-03	1.61E-03	1.06E-03	1.50E-03	7.35E-04
183	565535.9	4222188	0.00929	1.23E-02	4.40E-03	4.93E-03	1.35E-02	4.40E-03	1.22E-03	2.40E-03	1.44E-03	9.44E-04	1.34E-03	6.57E-04
184	565547.7	4222199	0.010232	1.35E-02	4.85E-03	5.42E-03	1.48E-02	4.85E-03	1.34E-03	2.64E-03	1.59E-03	1.04E-03	1.47E-03	7.24E-04
185	565554.6	4222216	0.011976	1.58E-02	5.67E-03	6.35E-03	1.74E-02	5.67E-03	1.57E-03	3.09E-03	1.86E-03	1.22E-03	1.72E-03	8.47E-04
186	565502.4	4222174	0.008403	1.11E-02	3.98E-03	4.46E-03	1.22E-02	3.98E-03	1.10E-03	2.17E-03	1.30E-03	8.54E-04	1.21E-03	5.94E-04
187	565492.5	4222174	0.008505	1.12E-02	4.03E-03	4.51E-03	1.23E-02	4.03E-03	1.12E-03	2.20E-03	1.32E-03	8.64E-04	1.22E-03	6.02E-04
188	565482.6	4222174	0.008595	1.14E-02	4.07E-03	4.56E-03	1.25E-02	4.07E-03	1.13E-03	2.22E-03	1.33E-03	8.73E-04	1.24E-03	6.08E-04
189	565472.7	4222174	0.008675	1.15E-02	4.11E-03	4.60E-03	1.26E-02	4.11E-03	1.14E-03	2.24E-03	1.34E-03	8.82E-04	1.25E-03	6.14E-04
190	565462.8	4222174	0.00875	1.16E-02	4.15E-03	4.64E-03	1.27E-02	4.15E-03	1.15E-03	2.26E-03	1.36E-03	8.89E-04	1.26E-03	6.19E-04
191	565452.9	4222174	0.008816	1.17E-02	4.18E-03	4.67E-03	1.28E-02	4.18E-03	1.16E-03	2.28E-03	1.37E-03	8.96E-04	1.27E-03	6.23E-04
192	565443	4222174	0.008872	1.17E-02	4.20E-03	4.70E-03	1.29E-02	4.20E-03	1.17E-03	2.29E-03	1.38E-03	9.02E-04	1.28E-03	6.27E-04
193	565433.1	4222174	0.008916	1.18E-02	4.22E-03	4.73E-03	1.29E-02	4.22E-03	1.17E-03	2.30E-03	1.38E-03	9.06E-04	1.28E-03	6.31E-04
194	565423.2	4222174	0.008945	1.18E-02	4.24E-03	4.74E-03	1.30E-02	4.24E-03	1.17E-03	2.31E-03	1.39E-03	9.09E-04	1.29E-03	6.33E-04
195	565413.3	4222174	0.008957	1.18E-02	4.24E-03	4.75E-03	1.30E-02	4.24E-03	1.18E-03	2.31E-03	1.39E-03	9.10E-04	1.29E-03	6.33E-04
196	565403.4	4222174	0.008953	1.18E-02	4.24E-03	4.75E-03	1.30E-02	4.24E-03	1.18E-03	2.31E-03	1.39E-03	9.10E-04	1.29E-03	6.33E-04
197	565393.5	4222174	0.00892	1.18E-02	4.23E-03	4.73E-03	1.29E-02	4.23E-03	1.17E-03	2.30E-03	1.38E-03	9.07E-04	1.28E-03	6.31E-04
198	565543	4222181	0.008391	1.11E-02	3.98E-03	4.45E-03	1.22E-02	3.98E-03	1.10E-03	2.17E-03	1.30E-03	8.53E-04	1.21E-03	5.93E-04
199	565554.5	4222192	0.009152	1.21E-02	4.34E-03	4.85E-03	1.33E-02	4.34E-03	1.20E-03	2.36E-03	1.42E-03	9.30E-04	1.32E-03	6.47E-04
200	565492.5	4222164	0.007518	9.94E-03	3.56E-03	3.99E-03	1.09E-02	3.56E-03	9.87E-04	1.94E-03	1.17E-03	7.64E-04	1.08E-03	5.32E-04
201	565482.6	4222164	0.007577	1.00E-02	3.59E-03	4.02E-03	1.10E-02	3.59E-03	9.95E-04	1.96E-03	1.17E-03	7.70E-04	1.09E-03	5.36E-04
202	565472.7	4222164	0.007627	1.01E-02	3.61E-03	4.04E-03	1.11E-02	3.61E-03	1.00E-03	1.97E-03	1.18E-03	7.75E-04	1.10E-03	5.39E-04
203	565462.8	4222164	0.007672	1.01E-02	3.63E-03	4.07E-03	1.11E-02	3.63E-03	1.01E-03	1.98E-03	1.19E-03	7.80E-04	1.10E-03	5.43E-04
204	565452.9	4222164	0.007709	1.02E-02	3.65E-03	4.09E-03	1.12E-02	3.65E-03	1.01E-03	1.99E-03	1.20E-03	7.83E-04	1.11E-03	5.45E-04
205	565443	4222164	0.00774	1.02E-02	3.67E-03	4.10E-03	1.12E-02	3.67E-03	1.02E-03	2.00E-03	1.20E-03	7.87E-04	1.11E-03	5.47E-04
206	565433.1	4222164	0.007763	1.03E-02	3.68E-03	4.12E-03	1.13E-02	3.68E-03	1.02E-03	2.01E-03	1.20E-03	7.89E-04	1.12E-03	5.49E-04
207	565423.2	4222164	0.007777	1.03E-02	3.68E-03	4.12E-03	1.13E-02	3.68E-03	1.02E-03	2.01E-03	1.21E-03	7.90E-04	1.12E-03	5.50E-04
208	565413.3	4222164	0.007782	1.03E-02	3.69E-03	4.13E-03	1.13E-02	3.69E-03	1.02E-03	2.01E-03	1.21E-03	7.91E-04	1.12E-03	5.50E-04
209	565403.4	4222164	0.007774	1.03E-02	3.68E-03	4.12E-03	1.13E-02	3.68E-03	1.02E-03	2.01E-03	1.21E-03	7.90E-04	1.12E-03	5.50E-04
210	565393.5	4222164	0.007748	1.02E-02	3.67E-03	4.11E-03	1.12E-02	3.67E-03	1.02E-03	2.00E-03	1.20E-03	7.87E-04	1.11E-03	5.48E-04
211	565542.2	4222171	0.007524	9.95E-03	3.56E-03	3.99E-03	1.09E-02	3.56E-03	9.88E-04	1.94E-03	1.17E-03	7.65E-04	1.08E-03	5.32E-04
212	565492.5	4222154	0.006703	8.86E-03	3.18E-03	3.55E-03	9.72E-03	3.18E-03	8.80E-04	1.73E-03	1.04E-03	6.81E-04	9.64E-04	4.74E-04
213	565482.6	4222154	0.00674	8.91E-03	3.19E-03	3.57E-03	9.77E-03	3.19E-03	8.85E-04	1.74E-03	1.04E-03	6.85E-04	9.70E-04	4.77E-04
214	565472.7	4222154	0.006771	8.95E-03	3.21E-03	3.59E-03	9.82E-03	3.21E-03	8.89E-04	1.75E-03	1.05E-03	6.88E-04	9.74E-04	4.79E-04
215	565462.8	4222154	0.006795	8.99E-03	3.22E-03	3.60E-03	9.85E-03	3.22E-03	8.92E-04	1.76E-03	1.05E-03	6.91E-04	9.77E-04	4.81E-04
216	565452.9	4222154	0.006813	9.01E-03	3.23E-03	3.61E-03	9.88E-03	3.23E-03	8.95E-04	1.76E-03	1.06E-03	6.92E-04	9.80E-04	4.82E-04
217	565443	4222154	0.006827	9.03E-03	3.23E-03	3.62E-03	9.90E-03	3.23E-03	8.97E-04	1.76E-03	1.06E-03	6.94E-04	9.82E-04	4.83E-04
218	565433.1	4222154	0.006835	9.04E-03	3.24E-03	3.62E-03	9.91E-03	3.24E-03	8.98E-04	1.77E-03	1.06E-03	6.95E-04	9.83E-04	4.83E-04
219	565423.2	4222154	0.006839	9.04E-03	3.24E-03	3.63E-03	9.92E-03	3.24E-03	8.98E-04	1.77E-03	1.06E-03	6.95E-04	9.84E-04	4.84E-04
220	565413.2	4222154	0.006836	9.04E-03	3.24E-03	3.62E-03	9.91E-03	3.24E-03	8.98E-04	1.77E-03	1.06E-03	6.95E-04	9.83E-04	4.83E-04
221	565403.3	4222154	0.006827	9.03E-03	3.23E-03	3.62E-03	9.90E-03	3.23E-03	8.97E-04	1.76E-03	1.06E-03	6.94E-04	9.82E-04	4.83E-04
222	565393.4	4222154	0.006804	9.00E-03	3.22E-03	3.61E-03	9.86E-03	3.22E-03	8.94E-04	1.76E-03	1.05E-03	6.91E-04	9.79E-04	4.81E-04
223	565538.2	4222159	0.00672	8.89E-03	3.18E-03	3.56E-03	9.74E-03	3.18E-03	8.82E-04	1.74E-03	1.04E-03	6.83E-04	9.67E-04	4.75E-04
224	565556.1	4222166	0.006972	9.22E-03	3.30E-03	3.70E-03	1.01E-02	3.30E-03	9.16E-04	1.80E-03	1.08E-03	7.09E-04	1.00E-03	4.93E-04
225	565502.4	4222144	0.005989	7.92E-03	2.84E-03	3.18E-03	8.68E-03	2.84E-03	7.87E-04	1.55E-03	9.28E-04	6.09E-04	8.61E-04	4.24E-04
226	565492.5	4222144	0.006019	7.96E-03	2.85E-03	3.19E-03	8.73E-03	2.85E-03	7.90E-04	1.55E-03	9.33E-04	6.12E-04	8.66E-04	4.26E-04
227	565482.6	4222144	0.006042	7.99E-03	2.86E-03	3.20E-03	8.76E-03	2.86E-03	7.93E-04	1.56E-03	9.37E-04	6.14E-04	8.69E-04	4.27E-04
228	565472.7	4222144	0.006058	8.01E-03	2.87E-03	3.21E-03	8.78E-03	2.87E-03	7.96E-04	1.57E-03	9.39E-04	6.16E-04	8.71E-04	4.28E-04
229	565462.7	4222144	0.006069	8.03E-03	2.88E-03	3.22E-03	8.80E-03	2.88E-03	7.97E-04	1.57E-03	9.41E-04	6.17E-04	8.73E-04	4.29E-04
230	565452.8	4222144	0.006075	8.03E-03	2.88E-03	3.22E-03	8.81E-03	2.88E-03	7.98E-04	1.57E-03	9.42E-04	6.17E-04	8.74E-04	4.30E-04
231	565442.9	4222144	0.006077	8.04E-03	2.88E-03	3.22E-03	8.81E-03	2.88E-03	7.98E-04	1.57E-03	9.42E-04	6.18E-04	8.74E-04	4.30E-04
232	565433	4222144	0.006076	8.04E-03	2.88E-03	3.22E-03	8.81E-03	2.88E-03	7.98E-04	1.57E-03	9.42E-04	6.18E-04	8.74E-04	4.30E-04
233	565423.1	4222145	0.006073	8.03E-03	2.88E-03	3.22E-03	8.80E-03	2.88E-03	7.98E-04	1.57E-03	9.41E-04	6.17E-04	8.74E-04	4.29E-04
234	565413.2	4222145	0.006065	8.02E-03	2.87E-03	3.22E-03	8.79E-03	2.87E-03	7.96E-04	1.57E-03	9.40E-04	6.16E-04	8.72E-04	4.29E-04
235	565403.3	4222145	0.006053	8.01E-03	2.87E-03	3.21E-03	8.78E-03	2.87E-03	7.95E-04	1.56E-03	9.38E-04	6.15E-04	8.71E-04	4.28E-04
236	565393.4	4222145	0.006033	7.98E-03	2.86E-03	3.20E-03	8.75E-03	2.86E-03	7.92E-04	1.56E-03	9.35E-04	6.13E-04	8.68E-04	4.27E-04
237	565537.2	4222149	0.006068	8.03E-03	2.87E-03	3.22E-03	8.80E-03	2.87E-03	7.97E-04	1.57E-03	9.41E-04	6.17E-04	8.73E-04	4.29E-04
238	565545.9	4222152	0.006202	8.20E-03	2.94E-03	3.29E-03	8.99E-03	2.94E-03	8.15E-04	1.60E-03	9.61E-04	6.30E-04	8.92E-04	4.39E-04
239	565554.6	4222156	0.006318	8.36E-03	2.99E-03	3.35E-03	9.16E-03	2.99E-03	8.30E-04	1.63E-03	9.79E-04	6.42E-04	9.09E-04	4.47E-04
240	565502.3	4222135	0.00542	7.17E-03	2.57E-03	2.87E-03	7.86E-03	2.57E-03	7.12E-04	1.40E-03	8.40E-04	5.51E-04	7.80E-04	3.83E-04
241	565492.4	4222135	0.005439	7.19E-03	2.58E-03	2.88E-03	7.88E-03	2.58E-03	7.14E-04	1.41E-03	8.43E-04	5.53E-04	7.82E-04	3.85E-04
242	565482.5	4222135	0.005451	7.21E-03	2.58E-03	2.89E-03	7.90E-03	2.58E-03	7.16E-04	1.41E-03	8.45E-04	5.54E-04	7.84E-04	3.86E-04
243	565472.6	4222135	0.005458	7.22E-03	2.59E-03	2.89E-03	7.91E-03	2.59E-03	7.17E-04	1.41E-03	8.46E-04	5.55E-04	7.85E-04	3.86E-04
244	565462.7	4222135	0.00546	7.22E-03	2.59E-03	2.89E-03	7.92E-03	2.59E-03	7.17E-04	1.41E-03	8.46E-04	5.55E-04	7.85E-04	3.86E-04
245	565452.8	4222135	0.005458	7.22E-03	2.59E-03	2.89E-03	7.91E-03	2.59E-03	7.17E-04	1.41E-03	8.46E-04	5.55E-04	7.85E-04	3.86E-04
246	565442.9	4222135	0.005453	7.21E-03	2.58E-03	2.89E-03	7.91E-03	2.58E-03	7.16E-04	1.41E-03	8.45E-04	5.54E-04	7.84E-04	3.86E-04
247	565433	4222135	0.005447	7.20E-03	2.58E-03	2.89E-03	7.90E-03	2.58E-03	7.15E-04	1.41E-03	8.44E-04	5.54E-04	7.84E-04	3.85E-04
248	565423.1	4222135	0.005438	7.19E-03	2.58E-03	2.88E-03	7.88E-03	2.58E-03	7.14E-04	1.40E-03	8.43E-04	5.53E-04	7.82E-04	3.85E-04
249	565413.2	4222135	0.005427	7.18E-03	2.57E-03	2.88E-03	7.87E-03	2.57E-03	7.13E-04	1.40E-03	8.41E-04	5.52E-04	7.81E-04	3.84E-04
250	565403.3	4222135	0.005414	7.16E-03	2.57E-03	2.87E-03	7.85E-03	2.57E-03	7.11E-04	1.40E-03	8.39E-04	5.50E-04	7.79E-04	3.83E-04
251	565393.4	4222135	0.005396	7.14E-03	2.56E-03	2.86E-03	7.82E-03	2.56E-03	7.09E-04	1.39E-03	8.36E-04	5.48E-04	7.76E-04	3.82E-04
252	565536.4	4222139	0.005508	7.28E-03	2.61E-03	2.92E-03	7.98E-03	2.61E-03	7.23E-04	1.42E-03	8.54E-04	5.60E-04	7.92E-04	3.90E-04
253	565544.9	4222142	0.005634	7.45E-03	2.67E-03	2.99E-03	8.17E-03	2.67E-03	7.40E-04	1.46E-03	8.73E-04	5.73E-04	8.10E-04	3.98E-04
254	565553.4	4222146	0.005747	7.60E-03	2.72E-03	3.05E-03	8.33E-03	2.72E-03	7.55E-04	1.48E-03	8.91E-04	5.84E-04	8.27E-04	4.06E-04
255	565502.3	4222125	0.004932	6.52E-03	2.34E-03	2.61E-03	7.15E-03	2.34E-03	6.48E-04	1.27E-03	7.65E-04	5.01E-04	7.09E-04	3.49E-04
256	565492.4	4222125	0.004942	6.54E-03	2.34E-03	2.62E-03	7.17E-03	2.34E-03	6.49E-04	1.28E-03	7.66E-04	5.02E-04	7.11E-04	3.50E-04
257	565482.5	4222125	0.004947	6.54E-03	2.34E-03	2.62E-03	7.17E-03	2.34E-03	6.50E-04	1.28E-03	7.67E-04	5.03E-04	7.12E-04	3.50E-04
258	565472.6	4222125	0.004947	6.54E-03	2.34E-03	2.62E-03	7.17E-03	2.34E-03	6.50E-04	1.28E-03	7.67E-04	5.03E-04	7.12E-04	3.50E-04
259	565462.7	4222125	0.004943	6.54E-03	2.34E-03	2.62E-03	7.17E-03	2.34E-03	6.49E-04	1.28E-03	7.66E-04	5.02E-04	7.11E-04	3.50E-04
260	565452.8	4222125	0.004937	6.53E-03	2.34E-03	2.62E-03	7.16E-03	2.34E-03	6.48E-04	1.28E-03	7.65E-04	5.02E-04	7.10E-04	3.49E-04
261	565442.9	4222125	0.004928	6.52E-03	2.33E-03	2.61E-03	7.14E-03	2.33E-03	6.47E-04	1.27E-03	7.64E-04	5.01E-04	7.09E-04	3.49E-04
262	565433	4222125	0.004917	6.50E-03	2.33E-03	2.61E-03	7.13E-03	2.33E-03	6.46E-04	1.27E-03	7.62E-04	5.00E-04	7.07E-04	3.48E-04
263	565423.1	4222125	0.004905	6.49E-03	2.32E-03	2.60E-03	7.11E-03	2.32E-03	6.44E-04	1.27E-03	7.60E-04	4.98E-04	7.06E-04	3.47E-04
264	565413.2	4222125	0.004892	6.47E-03	2.32E-03	2.59E-03	7.09E-03	2.32E-03	6.43E-04	1.26E-03	7.58E-04	4.97E-04	7.04E-04	3.46E-04
265	565403.3	4222125	0.004879	6.45E-03	2.31E-03	2.59E-03	7.07E-03	2.31E-03	6.41E-04	1.26E-03	7.56E-04	4.96E-04	7.02E-04	3.45E-04
266	565393.4	4222125	0.004862	6.43E-03	2.30E-03	2.58E-03	7.05E-03	2.30E-03	6.39E-04	1.26E-03	7.54E-04	4.94E-04	6.99E-04	3.44E-04
267	565535.7	4222129	0.005023	6.64E-03	2.38E-03	2.66E-03	7.28E-03	2.38E-03	6.60E-04	1.30E-03	7.79E-04	5.10E-04	7.22E-04	3.55E-04
268	565544.1	4222132	0.005139	6.80E-03	2.43E-03	2.72E-03	7.45E-03	2.43E-03	6.75E-04	1.33E-03	7.97E-04	5.22E-04	7.39E-04	3.63E-04
269	565552.4	4222135	0.005246	6.94E-03	2.49E-03	2.78E-03	7.61E-03	2.49E-03	6.89E-04	1.36E-03	8.13E-04	5.33E-04	7.55E-04	3.71E-04
270	565560.8	4222139	0.005343	7.07E-03	2.53E-03	2.83E-03	7.75E-03	2.53E-03	7.02E-04	1.38E-03	8.28E-04	5.43E-04	7.69E-04	3.78E-04

271	565502.3	4222115	0.004509	5.96E-03	2.14E-03	2.39E-03	6.54E-03	2.14E-03	5.92E-04	1.16E-03	6.99E-04	4.58E-04	6.49E-04	3.19E-04
272	565492.4	4222115	0.004513	5.97E-03	2.14E-03	2.39E-03	6.54E-03	2.14E-03	5.93E-04	1.17E-03	7.00E-04	4.59E-04	6.49E-04	3.19E-04
273	565482.5	4222115	0.004512	5.97E-03	2.14E-03	2.39E-03	6.54E-03	2.14E-03	5.93E-04	1.17E-03	7.00E-04	4.59E-04	6.49E-04	3.19E-04
274	565472.6	4222115	0.004508	5.96E-03	2.14E-03	2.39E-03	6.54E-03	2.14E-03	5.92E-04	1.16E-03	6.99E-04	4.58E-04	6.48E-04	3.19E-04
275	565462.7	4222115	0.004501	5.95E-03	2.13E-03	2.39E-03	6.53E-03	2.13E-03	5.91E-04	1.16E-03	6.98E-04	4.57E-04	6.47E-04	3.18E-04
276	565452.8	4222115	0.004491	5.94E-03	2.13E-03	2.38E-03	6.51E-03	2.13E-03	5.90E-04	1.16E-03	6.96E-04	4.56E-04	6.46E-04	3.18E-04
277	565442.9	4222115	0.00448	5.92E-03	2.12E-03	2.38E-03	6.49E-03	2.12E-03	5.88E-04	1.16E-03	6.94E-04	4.55E-04	6.44E-04	3.17E-04
278	565433	4222115	0.004467	5.91E-03	2.12E-03	2.37E-03	6.48E-03	2.12E-03	5.87E-04	1.15E-03	6.93E-04	4.54E-04	6.43E-04	3.16E-04
279	565423.1	4222115	0.004453	5.89E-03	2.11E-03	2.36E-03	6.46E-03	2.11E-03	5.85E-04	1.15E-03	6.90E-04	4.53E-04	6.41E-04	3.15E-04
280	565413.2	4222115	0.004438	5.87E-03	2.10E-03	2.35E-03	6.43E-03	2.10E-03	5.83E-04	1.15E-03	6.88E-04	4.51E-04	6.38E-04	3.14E-04
281	565403.3	4222115	0.004423	5.85E-03	2.10E-03	2.35E-03	6.41E-03	2.10E-03	5.81E-04	1.14E-03	6.86E-04	4.50E-04	6.36E-04	3.13E-04
282	565393.3	4222115	0.004409	5.83E-03	2.09E-03	2.34E-03	6.39E-03	2.09E-03	5.79E-04	1.14E-03	6.83E-04	4.48E-04	6.34E-04	3.12E-04
283	565547.5	4222124	0.004757	6.29E-03	2.25E-03	2.52E-03	6.90E-03	2.25E-03	6.25E-04	1.23E-03	7.37E-04	4.83E-04	6.84E-04	3.36E-04
284	565556.6	4222127	0.004863	6.43E-03	2.30E-03	2.58E-03	7.05E-03	2.30E-03	6.39E-04	1.26E-03	7.54E-04	4.94E-04	7.00E-04	3.44E-04
285	565502.3	4222105	0.004139	5.47E-03	1.96E-03	2.19E-03	6.00E-03	1.96E-03	5.44E-04	1.07E-03	6.42E-04	4.21E-04	5.95E-04	2.93E-04
286	565492.4	4222105	0.004139	5.47E-03	1.96E-03	2.19E-03	6.00E-03	1.96E-03	5.44E-04	1.07E-03	6.42E-04	4.21E-04	5.95E-04	2.93E-04
287	565482.5	4222105	0.004135	5.47E-03	1.96E-03	2.19E-03	6.00E-03	1.96E-03	5.43E-04	1.07E-03	6.41E-04	4.20E-04	5.95E-04	2.92E-04
288	565472.6	4222105	0.004128	5.46E-03	1.96E-03	2.19E-03	5.99E-03	1.96E-03	5.42E-04	1.07E-03	6.40E-04	4.20E-04	5.94E-04	2.92E-04
289	565462.7	4222105	0.004119	5.45E-03	1.95E-03	2.18E-03	5.97E-03	1.95E-03	5.41E-04	1.06E-03	6.38E-04	4.19E-04	5.92E-04	2.91E-04
290	565452.8	4222105	0.004108	5.43E-03	1.95E-03	2.18E-03	5.96E-03	1.95E-03	5.39E-04	1.06E-03	6.37E-04	4.17E-04	5.91E-04	2.90E-04
291	565442.9	4222105	0.004095	5.42E-03	1.94E-03	2.17E-03	5.94E-03	1.94E-03	5.38E-04	1.06E-03	6.35E-04	4.16E-04	5.89E-04	2.90E-04
292	565432.9	4222105	0.004081	5.40E-03	1.93E-03	2.16E-03	5.92E-03	1.93E-03	5.36E-04	1.05E-03	6.33E-04	4.15E-04	5.87E-04	2.89E-04
293	565423	4222105	0.004065	5.38E-03	1.93E-03	2.16E-03	5.89E-03	1.93E-03	5.34E-04	1.05E-03	6.30E-04	4.13E-04	5.85E-04	2.87E-04
294	565413.1	4222105	0.004049	5.36E-03	1.92E-03	2.15E-03	5.87E-03	1.92E-03	5.32E-04	1.05E-03	6.28E-04	4.12E-04	5.82E-04	2.86E-04
295	565403.2	4222105	0.004034	5.34E-03	1.91E-03	2.14E-03	5.85E-03	1.91E-03	5.30E-04	1.04E-03	6.25E-04	4.10E-04	5.80E-04	2.85E-04
296	565393.3	4222105	0.004021	5.32E-03	1.91E-03	2.13E-03	5.83E-03	1.91E-03	5.28E-04	1.04E-03	6.23E-04	4.09E-04	5.78E-04	2.84E-04
297	565383.4	4222105	0.004009	5.30E-03	1.90E-03	2.13E-03	5.81E-03	1.90E-03	5.26E-04	1.04E-03	6.21E-04	4.07E-04	5.77E-04	2.84E-04
298	565373.5	4222105	0.003998	5.29E-03	1.89E-03	2.12E-03	5.80E-03	1.89E-03	5.25E-04	1.03E-03	6.20E-04	4.06E-04	5.75E-04	2.83E-04
299	565363.6	4222105	0.003989	5.28E-03	1.89E-03	2.12E-03	5.78E-03	1.89E-03	5.24E-04	1.03E-03	6.18E-04	4.05E-04	5.74E-04	2.82E-04
300	565353.7	4222105	0.003982	5.27E-03	1.89E-03	2.11E-03	5.77E-03	1.89E-03	5.23E-04	1.03E-03	6.17E-04	4.05E-04	5.73E-04	2.82E-04
301	565343.8	4222105	0.003977	5.26E-03	1.88E-03	2.11E-03	5.77E-03	1.88E-03	5.22E-04	1.03E-03	6.16E-04	4.04E-04	5.72E-04	2.81E-04
302	565333.9	4222105	0.003969	5.25E-03	1.88E-03	2.10E-03	5.75E-03	1.88E-03	5.21E-04	1.03E-03	6.15E-04	4.03E-04	5.71E-04	2.81E-04
303	565324	4222105	0.003961	5.24E-03	1.88E-03	2.10E-03	5.74E-03	1.88E-03	5.20E-04	1.02E-03	6.14E-04	4.03E-04	5.70E-04	2.80E-04
304	565314.1	4222105	0.003955	5.23E-03	1.87E-03	2.10E-03	5.73E-03	1.87E-03	5.19E-04	1.02E-03	6.13E-04	4.02E-04	5.69E-04	2.80E-04
305	565304.2	4222105	0.003953	5.23E-03	1.87E-03	2.10E-03	5.73E-03	1.87E-03	5.19E-04	1.02E-03	6.13E-04	4.02E-04	5.69E-04	2.80E-04
306	565294.3	4222105	0.003951	5.23E-03	1.87E-03	2.09E-03	5.73E-03	1.87E-03	5.19E-04	1.02E-03	6.13E-04	4.02E-04	5.68E-04	2.79E-04
307	565284.4	4222105	0.003949	5.22E-03	1.87E-03	2.09E-03	5.73E-03	1.87E-03	5.19E-04	1.02E-03	6.12E-04	4.01E-04	5.68E-04	2.79E-04
308	565537.7	4222110	0.004265	5.64E-03	2.02E-03	2.26E-03	6.18E-03	2.02E-03	5.60E-04	1.10E-03	6.61E-04	4.33E-04	6.13E-04	3.02E-04
309	565546.6	4222113	0.004369	5.78E-03	2.07E-03	2.32E-03	6.33E-03	2.07E-03	5.74E-04	1.13E-03	6.77E-04	4.44E-04	6.28E-04	3.09E-04
310	565555.4	4222117	0.004468	5.91E-03	2.12E-03	2.37E-03	6.48E-03	2.12E-03	5.87E-04	1.15E-03	6.93E-04	4.54E-04	6.43E-04	3.16E-04
311	565502.3	4222095	0.003815	5.05E-03	1.81E-03	2.02E-03	5.53E-03	1.81E-03	5.01E-04	9.86E-04	5.91E-04	3.88E-04	5.49E-04	2.70E-04
312	565492.4	4222095	0.003812	5.04E-03	1.81E-03	2.02E-03	5.53E-03	1.81E-03	5.01E-04	9.85E-04	5.91E-04	3.87E-04	5.48E-04	2.70E-04
313	565482.5	4222095	0.003806	5.03E-03	1.80E-03	2.02E-03	5.52E-03	1.80E-03	5.00E-04	9.83E-04	5.90E-04	3.87E-04	5.47E-04	2.69E-04
314	565472.5	4222095	0.003797	5.02E-03	1.80E-03	2.01E-03	5.50E-03	1.80E-03	4.99E-04	9.81E-04	5.89E-04	3.86E-04	5.46E-04	2.69E-04
315	565462.6	4222095	0.003787	5.01E-03	1.79E-03	2.01E-03	5.49E-03	1.79E-03	4.97E-04	9.78E-04	5.87E-04	3.85E-04	5.45E-04	2.68E-04
316	565452.7	4222095	0.003774	4.99E-03	1.79E-03	2.00E-03	5.47E-03	1.79E-03	4.96E-04	9.75E-04	5.85E-04	3.84E-04	5.43E-04	2.67E-04
317	565442.8	4222095	0.003761	4.97E-03	1.78E-03	1.99E-03	5.45E-03	1.78E-03	4.94E-04	9.72E-04	5.83E-04	3.82E-04	5.41E-04	2.66E-04
318	565432.9	4222095	0.003747	4.95E-03	1.77E-03	1.99E-03	5.43E-03	1.77E-03	4.92E-04	9.68E-04	5.81E-04	3.81E-04	5.39E-04	2.65E-04
319	565423	4222095	0.00373	4.93E-03	1.77E-03	1.98E-03	5.41E-03	1.77E-03	4.90E-04	9.64E-04	5.78E-04	3.79E-04	5.37E-04	2.64E-04
320	565413.1	4222095	0.003714	4.91E-03	1.76E-03	1.97E-03	5.38E-03	1.76E-03	4.88E-04	9.60E-04	5.76E-04	3.77E-04	5.34E-04	2.63E-04
321	565403.2	4222095	0.003699	4.89E-03	1.75E-03	1.96E-03	5.36E-03	1.75E-03	4.86E-04	9.56E-04	5.73E-04	3.76E-04	5.32E-04	2.62E-04
322	565393.3	4222095	0.003687	4.88E-03	1.75E-03	1.95E-03	5.35E-03	1.75E-03	4.84E-04	9.53E-04	5.72E-04	3.75E-04	5.30E-04	2.61E-04
323	565383.4	4222095	0.003677	4.86E-03	1.74E-03	1.95E-03	5.33E-03	1.74E-03	4.83E-04	9.50E-04	5.70E-04	3.74E-04	5.29E-04	2.60E-04
324	565373.5	4222095	0.003668	4.85E-03	1.74E-03	1.94E-03	5.32E-03	1.74E-03	4.82E-04	9.48E-04	5.69E-04	3.73E-04	5.28E-04	2.59E-04
325	565363.6	4222095	0.00366	4.84E-03	1.73E-03	1.94E-03	5.31E-03	1.73E-03	4.81E-04	9.46E-04	5.67E-04	3.72E-04	5.26E-04	2.59E-04
326	565353.7	4222095	0.003654	4.83E-03	1.73E-03	1.94E-03	5.30E-03	1.73E-03	4.80E-04	9.44E-04	5.66E-04	3.71E-04	5.26E-04	2.58E-04
327	565343.8	4222096	0.003649	4.83E-03	1.73E-03	1.93E-03	5.29E-03	1.73E-03	4.79E-04	9.43E-04	5.66E-04	3.71E-04	5.25E-04	2.58E-04
328	565333.9	4222096	0.003643	4.82E-03	1.73E-03	1.93E-03	5.28E-03	1.73E-03	4.78E-04	9.41E-04	5.65E-04	3.70E-04	5.24E-04	2.58E-04
329	565324	4222096	0.003638	4.81E-03	1.72E-03	1.93E-03	5.27E-03	1.72E-03	4.78E-04	9.40E-04	5.64E-04	3.70E-04	5.23E-04	2.57E-04
330	565314.1	4222096	0.003634	4.81E-03	1.72E-03	1.93E-03	5.27E-03	1.72E-03	4.77E-04	9.39E-04	5.63E-04	3.69E-04	5.23E-04	2.57E-04
331	565304.2	4222096	0.003634	4.81E-03	1.72E-03	1.93E-03	5.27E-03	1.72E-03	4.77E-04	9.39E-04	5.63E-04	3.69E-04	5.23E-04	2.57E-04
332	565294.3	4222096	0.003634	4.81E-03	1.72E-03	1.93E-03	5.27E-03	1.72E-03	4.77E-04	9.39E-04	5.63E-04	3.69E-04	5.23E-04	2.57E-04
333	565284.4	4222096	0.003634	4.81E-03	1.72E-03	1.93E-03	5.27E-03	1.72E-03	4.77E-04	9.39E-04	5.63E-04	3.69E-04	5.23E-04	2.57E-04
334	565537.1	4222100	0.003932	5.20E-03	1.86E-03	2.08E-03	5.70E-03	1.86E-03	5.16E-04	1.02E-03	6.09E-04	4.00E-04	5.66E-04	2.78E-04
335	565545.8	4222103	0.004027	5.33E-03	1.91E-03	2.14E-03	5.84E-03	1.91E-03	5.29E-04	1.04E-03	6.24E-04	4.09E-04	5.79E-04	2.85E-04
336	565554.5	4222107	0.004118	5.45E-03	1.95E-03	2.18E-03	5.97E-03	1.95E-03	5.41E-04	1.06E-03	6.38E-04	4.19E-04	5.92E-04	2.91E-04
337	565563.2	4222110	0.004205	5.56E-03	1.99E-03	2.23E-03	6.10E-03	1.99E-03	5.52E-04	1.09E-03	6.52E-04	4.27E-04	6.05E-04	2.97E-04
338	565502.2	4222085	0.003529	4.67E-03	1.67E-03	1.87E-03	5.12E-03	1.67E-03	4.63E-04	9.12E-04	5.47E-04	3.59E-04	5.08E-04	2.50E-04
339	565492.3	4222085	0.003524	4.66E-03	1.67E-03	1.87E-03	5.11E-03	1.67E-03	4.63E-04	9.10E-04	5.46E-04	3.58E-04	5.07E-04	2.49E-04
340	565482.4	4222085	0.003516	4.65E-03	1.67E-03	1.86E-03	5.10E-03	1.67E-03	4.62E-04	9.08E-04	5.45E-04	3.57E-04	5.06E-04	2.49E-04
341	565472.5	4222085	0.003507	4.64E-03	1.66E-03	1.86E-03	5.08E-03	1.66E-03	4.61E-04	9.06E-04	5.44E-04	3.56E-04	5.04E-04	2.48E-04
342	565462.6	4222085	0.003495	4.62E-03	1.66E-03	1.85E-03	5.07E-03	1.66E-03	4.59E-04	9.03E-04	5.42E-04	3.55E-04	5.03E-04	2.47E-04
343	565452.7	4222085	0.003482	4.61E-03	1.65E-03	1.85E-03	5.05E-03	1.65E-03	4.57E-04	9.00E-04	5.40E-04	3.54E-04	5.01E-04	2.46E-04
344	565442.8	4222085	0.003469	4.59E-03	1.64E-03	1.84E-03	5.03E-03	1.64E-03	4.56E-04	8.96E-04	5.38E-04	3.53E-04	4.99E-04	2.45E-04
345	565432.9	4222085	0.003455	4.57E-03	1.64E-03	1.83E-03	5.01E-03	1.64E-03	4.54E-04	8.93E-04	5.36E-04	3.51E-04	4.97E-04	2.44E-04
346	565423	4222085	0.003439	4.55E-03	1.63E-03	1.82E-03	4.99E-03	1.63E-03	4.52E-04	8.89E-04	5.33E-04	3.50E-04	4.95E-04	2.43E-04
347	565413.1	4222086	0.003424	4.53E-03	1.62E-03	1.82E-03	4.96E-03	1.62E-03	4.50E-04	8.85E-04	5.31E-04	3.48E-04	4.93E-04	2.42E-04
348	565403.2	4222086	0.00341	4.51E-03	1.62E-03	1.81E-03	4.94E-03	1.62E-03	4.48E-04	8.81E-04	5.29E-04	3.46E-04	4.90E-04	2.41E-04
349	565393.3	4222086	0.003398	4.49E-03	1.61E-03	1.80E-03	4.93E-03	1.61E-03	4.46E-04	8.78E-04	5.27E-04	3.45E-04	4.89E-04	2.40E-04
350	565383.4	4222086	0.003389	4.48E-03	1.61E-03	1.80E-03	4.91E-03	1.61E-03	4.45E-04	8.75E-04	5.25E-04	3.44E-04	4.87E-04	2.40E-04
351	565373.5	4222086	0.00338	4.47E-03	1.60E-03	1.79E-03	4.90E-03	1.60E-03	4.44E-04	8.73E-04	5.24E-04	3.44E-04	4.86E-04	2.39E-04
352	565363.6	4222086	0.003373	4.46E-03	1.60E-03	1.79E-03	4.89E-03	1.60E-03	4.43E-04	8.71E-04	5.23E-04	3.43E-04	4.85E-04	2.39E-04
353	565353.7	4222086	0.003366	4.45E-03	1.59E-03	1.78E-03	4.88E-03	1.59E-03	4.42E-04	8.70E-04	5.22E-04	3.42E-04	4.84E-04	2.38E-04
354	565343.8	4222086	0.003362	4.45E-03	1.59E-03	1.78E-03	4.87E-03	1.59E-03	4.41E-04	8.68E-04	5.21E-04	3.42E-04	4.84E-04	2.38E-04
355	565333.9	4222086	0.003357	4.44E-03	1.59E-03	1.78E-03	4.87E-03	1.59E-03	4.41E-04	8.67E-04	5.20E-04	3.41E-04	4.83E-04	2.37E-04
356	565323.9	4222086	0.003354	4.44E-03	1.59E-03	1.78E-03	4.86E-03	1.59E-03	4.41E-04	8.67E-04	5.20E-04	3.41E-04	4.82E-04	2.37E-04
357	565314	4222086	0.003352	4.43E-03	1.59E-03	1.78E-03	4.86E-03	1.59E-03	4.40E-04	8.66E-04	5.20E-04	3.41E-04	4.82E-04	2.37E-04
358	565304.1	4222086	0.003354	4.44E-03	1.59E-03	1.78E-03	4.86E-03	1.59E-03	4.40E-04	8.66E-04	5.20E-04	3.41E-04	4.82E-04	2.37E-04
359	565294.2	4222086	0.003355	4.44E-03	1.59E-03	1.78E-03	4.86E-03	1.59E-03	4.41E-04	8.67E-04	5.20E-04	3.41E-04	4.83E-04	2.37E-04
360	565284.3	4222086	0.003357	4.44E-03	1.59E-03	1.78E-03	4.87E-03	1.59E-03	4.41E-04	8.67E-04	5.20E-04	3.41E-04	4.83E-04	2.37E-04
361	565536.5	4222090	0.003637	4.81E-03	1.72E-03	1.93E-03	5.27E-03	1.72E-03	4.78E-04	9.40E-04	5.64E-04	3.70E-04	5.23E-04	2.57E-04

362	565545.1	4222093	0.003724	4.93E-03	1.76E-03	1.97E-03	5.40E-03	1.76E-03	4.89E-04	9.62E-04	5.77E-04	3.78E-04	5.36E-04	2.63E-04
363	565553.6	4222097	0.003808	5.04E-03	1.80E-03	2.02E-03	5.52E-03	1.80E-03	5.00E-04	9.84E-04	5.90E-04	3.87E-04	5.48E-04	2.69E-04
364	565562.2	4222100	0.003889	5.14E-03	1.84E-03	2.06E-03	5.64E-03	1.84E-03	5.11E-04	1.00E-03	6.03E-04	3.95E-04	5.59E-04	2.75E-04
365	565502.2	4222075	0.003275	4.33E-03	1.55E-03	1.74E-03	4.75E-03	1.55E-03	4.30E-04	8.46E-04	5.08E-04	3.33E-04	4.71E-04	2.32E-04
366	565492.3	4222075	0.003269	4.32E-03	1.55E-03	1.73E-03	4.74E-03	1.55E-03	4.29E-04	8.44E-04	5.07E-04	3.32E-04	4.70E-04	2.31E-04
367	565482.4	4222076	0.00326	4.31E-03	1.54E-03	1.73E-03	4.73E-03	1.54E-03	4.28E-04	8.42E-04	5.05E-04	3.31E-04	4.69E-04	2.31E-04
368	565472.5	4222076	0.00325	4.30E-03	1.54E-03	1.72E-03	4.71E-03	1.54E-03	4.27E-04	8.40E-04	5.04E-04	3.30E-04	4.68E-04	2.30E-04
369	565462.6	4222076	0.003238	4.28E-03	1.53E-03	1.72E-03	4.69E-03	1.53E-03	4.25E-04	8.37E-04	5.02E-04	3.29E-04	4.66E-04	2.29E-04
370	565452.7	4222076	0.003226	4.27E-03	1.53E-03	1.71E-03	4.68E-03	1.53E-03	4.24E-04	8.33E-04	5.00E-04	3.28E-04	4.64E-04	2.28E-04
371	565442.8	4222076	0.003212	4.25E-03	1.52E-03	1.70E-03	4.66E-03	1.52E-03	4.22E-04	8.30E-04	4.98E-04	3.26E-04	4.62E-04	2.27E-04
372	565432.9	4222076	0.003199	4.23E-03	1.52E-03	1.70E-03	4.64E-03	1.52E-03	4.20E-04	8.26E-04	4.96E-04	3.25E-04	4.60E-04	2.26E-04
373	565423	4222076	0.003184	4.21E-03	1.51E-03	1.69E-03	4.62E-03	1.51E-03	4.18E-04	8.23E-04	4.94E-04	3.24E-04	4.58E-04	2.25E-04
374	565413.1	4222076	0.00317	4.19E-03	1.50E-03	1.68E-03	4.60E-03	1.50E-03	4.16E-04	8.19E-04	4.91E-04	3.22E-04	4.56E-04	2.24E-04
375	565403.2	4222076	0.003156	4.17E-03	1.50E-03	1.67E-03	4.58E-03	1.50E-03	4.14E-04	8.15E-04	4.89E-04	3.21E-04	4.54E-04	2.23E-04
376	565393.3	4222076	0.003145	4.16E-03	1.49E-03	1.67E-03	4.56E-03	1.49E-03	4.13E-04	8.13E-04	4.88E-04	3.20E-04	4.52E-04	2.22E-04
377	565383.4	4222076	0.003136	4.15E-03	1.49E-03	1.66E-03	4.55E-03	1.49E-03	4.12E-04	8.10E-04	4.86E-04	3.19E-04	4.51E-04	2.22E-04
378	565373.5	4222076	0.003128	4.14E-03	1.48E-03	1.66E-03	4.54E-03	1.48E-03	4.11E-04	8.08E-04	4.85E-04	3.18E-04	4.50E-04	2.21E-04
379	565363.5	4222076	0.003121	4.13E-03	1.48E-03	1.65E-03	4.52E-03	1.48E-03	4.10E-04	8.06E-04	4.84E-04	3.17E-04	4.49E-04	2.21E-04
380	565353.6	4222076	0.003114	4.12E-03	1.48E-03	1.65E-03	4.51E-03	1.48E-03	4.09E-04	8.04E-04	4.83E-04	3.16E-04	4.48E-04	2.20E-04
381	565343.7	4222076	0.003109	4.11E-03	1.47E-03	1.65E-03	4.51E-03	1.47E-03	4.08E-04	8.03E-04	4.82E-04	3.16E-04	4.47E-04	2.20E-04
382	565333.8	4222076	0.003106	4.11E-03	1.47E-03	1.65E-03	4.50E-03	1.47E-03	4.08E-04	8.02E-04	4.81E-04	3.16E-04	4.47E-04	2.20E-04
383	565323.9	4222076	0.003105	4.11E-03	1.47E-03	1.65E-03	4.50E-03	1.47E-03	4.08E-04	8.02E-04	4.81E-04	3.16E-04	4.47E-04	2.20E-04
384	565314	4222076	0.003105	4.11E-03	1.47E-03	1.65E-03	4.50E-03	1.47E-03	4.08E-04	8.02E-04	4.81E-04	3.15E-04	4.47E-04	2.20E-04
385	565304.1	4222076	0.003106	4.11E-03	1.47E-03	1.65E-03	4.50E-03	1.47E-03	4.08E-04	8.02E-04	4.81E-04	3.16E-04	4.47E-04	2.20E-04
386	565294.2	4222076	0.003108	4.11E-03	1.47E-03	1.65E-03	4.51E-03	1.47E-03	4.08E-04	8.03E-04	4.82E-04	3.16E-04	4.47E-04	2.20E-04
387	565284.3	4222076	0.003111	4.11E-03	1.47E-03	1.65E-03	4.51E-03	1.47E-03	4.09E-04	8.04E-04	4.82E-04	3.16E-04	4.47E-04	2.20E-04
388	565538.6	4222081	0.0034	4.50E-03	1.61E-03	1.80E-03	4.93E-03	1.61E-03	4.47E-04	8.78E-04	5.27E-04	3.46E-04	4.89E-04	2.40E-04
389	565556.8	4222088	0.003567	4.72E-03	1.69E-03	1.89E-03	5.17E-03	1.69E-03	4.68E-04	9.22E-04	5.53E-04	3.63E-04	5.13E-04	2.52E-04
390	565502.2	4222066	0.003049	4.03E-03	1.44E-03	1.62E-03	4.42E-03	1.44E-03	4.00E-04	7.88E-04	4.73E-04	3.10E-04	4.39E-04	2.16E-04
391	565492.3	4222066	0.003042	4.02E-03	1.44E-03	1.61E-03	4.41E-03	1.44E-03	3.99E-04	7.86E-04	4.72E-04	3.09E-04	4.38E-04	2.15E-04
392	565482.4	4222066	0.003033	4.01E-03	1.44E-03	1.61E-03	4.40E-03	1.44E-03	3.98E-04	7.84E-04	4.70E-04	3.08E-04	4.36E-04	2.14E-04
393	565472.5	4222066	0.003022	4.00E-03	1.43E-03	1.60E-03	4.38E-03	1.43E-03	3.97E-04	7.81E-04	4.69E-04	3.07E-04	4.35E-04	2.14E-04
394	565462.6	4222066	0.003011	3.98E-03	1.43E-03	1.60E-03	4.36E-03	1.43E-03	3.95E-04	7.78E-04	4.67E-04	3.06E-04	4.33E-04	2.13E-04
395	565452.7	4222066	0.002998	3.96E-03	1.42E-03	1.59E-03	4.35E-03	1.42E-03	3.94E-04	7.75E-04	4.65E-04	3.05E-04	4.31E-04	2.12E-04
396	565442.8	4222066	0.002985	3.95E-03	1.41E-03	1.58E-03	4.33E-03	1.41E-03	3.92E-04	7.71E-04	4.63E-04	3.03E-04	4.29E-04	2.11E-04
397	565432.9	4222066	0.002973	3.93E-03	1.41E-03	1.58E-03	4.31E-03	1.41E-03	3.90E-04	7.68E-04	4.61E-04	3.02E-04	4.28E-04	2.10E-04
398	565423	4222066	0.002959	3.91E-03	1.40E-03	1.57E-03	4.29E-03	1.40E-03	3.89E-04	7.64E-04	4.59E-04	3.01E-04	4.26E-04	2.09E-04
399	565413.1	4222066	0.002945	3.89E-03	1.40E-03	1.56E-03	4.27E-03	1.40E-03	3.87E-04	7.61E-04	4.57E-04	2.99E-04	4.24E-04	2.08E-04
400	565403.1	4222066	0.002932	3.88E-03	1.39E-03	1.55E-03	4.25E-03	1.39E-03	3.85E-04	7.58E-04	4.55E-04	2.98E-04	4.22E-04	2.07E-04
401	565393.2	4222066	0.002922	3.86E-03	1.38E-03	1.55E-03	4.24E-03	1.38E-03	3.84E-04	7.55E-04	4.53E-04	2.97E-04	4.20E-04	2.07E-04
402	565383.3	4222066	0.002914	3.85E-03	1.38E-03	1.54E-03	4.22E-03	1.38E-03	3.83E-04	7.53E-04	4.52E-04	2.96E-04	4.19E-04	2.06E-04
403	565373.4	4222066	0.002906	3.84E-03	1.38E-03	1.54E-03	4.21E-03	1.38E-03	3.82E-04	7.51E-04	4.51E-04	2.95E-04	4.18E-04	2.06E-04
404	565363.5	4222066	0.002898	3.83E-03	1.37E-03	1.54E-03	4.20E-03	1.37E-03	3.81E-04	7.49E-04	4.49E-04	2.95E-04	4.17E-04	2.05E-04
405	565353.6	4222066	0.002891	3.82E-03	1.37E-03	1.53E-03	4.19E-03	1.37E-03	3.80E-04	7.47E-04	4.48E-04	2.94E-04	4.16E-04	2.04E-04
406	565343.7	4222066	0.002886	3.82E-03	1.37E-03	1.53E-03	4.18E-03	1.37E-03	3.79E-04	7.46E-04	4.47E-04	2.93E-04	4.15E-04	2.04E-04
407	565333.8	4222066	0.002884	3.81E-03	1.37E-03	1.53E-03	4.18E-03	1.37E-03	3.79E-04	7.45E-04	4.47E-04	2.93E-04	4.15E-04	2.04E-04
408	565323.9	4222066	0.002884	3.81E-03	1.37E-03	1.53E-03	4.18E-03	1.37E-03	3.79E-04	7.45E-04	4.47E-04	2.93E-04	4.15E-04	2.04E-04
409	565314	4222066	0.002885	3.82E-03	1.37E-03	1.53E-03	4.18E-03	1.37E-03	3.79E-04	7.45E-04	4.47E-04	2.93E-04	4.15E-04	2.04E-04
410	565304.1	4222066	0.002887	3.82E-03	1.37E-03	1.53E-03	4.18E-03	1.37E-03	3.79E-04	7.46E-04	4.47E-04	2.93E-04	4.15E-04	2.04E-04
411	565294.2	4222066	0.002889	3.82E-03	1.37E-03	1.53E-03	4.19E-03	1.37E-03	3.79E-04	7.46E-04	4.48E-04	2.94E-04	4.16E-04	2.04E-04
412	565284.3	4222066	0.002892	3.82E-03	1.37E-03	1.53E-03	4.19E-03	1.37E-03	3.80E-04	7.47E-04	4.48E-04	2.94E-04	4.16E-04	2.05E-04
413	565538	4222071	0.003163	4.18E-03	1.50E-03	1.68E-03	4.58E-03	1.50E-03	4.15E-04	8.17E-04	4.90E-04	3.21E-04	4.55E-04	2.24E-04
414	565546.9	4222074	0.00324	4.28E-03	1.54E-03	1.72E-03	4.70E-03	1.54E-03	4.26E-04	8.37E-04	5.02E-04	3.29E-04	4.66E-04	2.29E-04
415	565555.9	4222078	0.003315	4.38E-03	1.57E-03	1.76E-03	4.81E-03	1.57E-03	4.35E-04	8.57E-04	5.14E-04	3.37E-04	4.77E-04	2.34E-04
416	565564.8	4222082	0.003388	4.48E-03	1.61E-03	1.80E-03	4.91E-03	1.61E-03	4.45E-04	8.75E-04	5.25E-04	3.44E-04	4.87E-04	2.40E-04
417	565502.2	4222056	0.002847	3.76E-03	1.35E-03	1.51E-03	4.13E-03	1.35E-03	3.74E-04	7.35E-04	4.41E-04	2.89E-04	4.09E-04	2.01E-04
418	565492.3	4222056	0.002839	3.75E-03	1.35E-03	1.51E-03	4.12E-03	1.35E-03	3.73E-04	7.33E-04	4.40E-04	2.89E-04	4.08E-04	2.01E-04
419	565482.4	4222056	0.00283	3.74E-03	1.34E-03	1.50E-03	4.10E-03	1.34E-03	3.72E-04	7.31E-04	4.39E-04	2.88E-04	4.07E-04	2.00E-04
420	565472.5	4222056	0.002819	3.73E-03	1.34E-03	1.49E-03	4.09E-03	1.34E-03	3.70E-04	7.28E-04	4.37E-04	2.86E-04	4.06E-04	1.99E-04
421	565462.6	4222056	0.002808	3.71E-03	1.33E-03	1.49E-03	4.07E-03	1.33E-03	3.69E-04	7.25E-04	4.35E-04	2.85E-04	4.04E-04	1.99E-04
422	565452.6	4222056	0.002795	3.70E-03	1.32E-03	1.48E-03	4.05E-03	1.32E-03	3.67E-04	7.22E-04	4.33E-04	2.84E-04	4.02E-04	1.98E-04
423	565442.7	4222056	0.002783	3.68E-03	1.32E-03	1.48E-03	4.03E-03	1.32E-03	3.65E-04	7.19E-04	4.31E-04	2.83E-04	4.00E-04	1.97E-04
424	565432.8	4222056	0.00277	3.66E-03	1.31E-03	1.47E-03	4.02E-03	1.31E-03	3.64E-04	7.16E-04	4.29E-04	2.82E-04	3.98E-04	1.96E-04
425	565422.9	4222056	0.002757	3.65E-03	1.31E-03	1.46E-03	4.00E-03	1.31E-03	3.62E-04	7.12E-04	4.27E-04	2.80E-04	3.97E-04	1.95E-04
426	565413	4222056	0.002745	3.63E-03	1.30E-03	1.46E-03	3.98E-03	1.30E-03	3.60E-04	7.09E-04	4.26E-04	2.79E-04	3.95E-04	1.94E-04
427	565403.1	4222056	0.002734	3.62E-03	1.30E-03	1.45E-03	3.96E-03	1.30E-03	3.59E-04	7.06E-04	4.24E-04	2.78E-04	3.93E-04	1.93E-04
428	565393.2	4222056	0.002724	3.60E-03	1.29E-03	1.44E-03	3.95E-03	1.29E-03	3.58E-04	7.04E-04	4.22E-04	2.77E-04	3.92E-04	1.93E-04
429	565383.3	4222056	0.002716	3.59E-03	1.29E-03	1.44E-03	3.94E-03	1.29E-03	3.57E-04	7.02E-04	4.21E-04	2.76E-04	3.91E-04	1.92E-04
430	565373.4	4222056	0.002709	3.58E-03	1.28E-03	1.44E-03	3.93E-03	1.28E-03	3.56E-04	7.00E-04	4.20E-04	2.75E-04	3.90E-04	1.92E-04
431	565363.5	4222056	0.002702	3.57E-03	1.28E-03	1.43E-03	3.92E-03	1.28E-03	3.55E-04	6.98E-04	4.19E-04	2.75E-04	3.89E-04	1.91E-04
432	565353.6	4222056	0.002697	3.57E-03	1.28E-03	1.43E-03	3.91E-03	1.28E-03	3.54E-04	6.97E-04	4.18E-04	2.74E-04	3.88E-04	1.91E-04
433	565343.7	4222056	0.002692	3.56E-03	1.28E-03	1.43E-03	3.90E-03	1.28E-03	3.54E-04	6.96E-04	4.17E-04	2.74E-04	3.87E-04	1.90E-04
434	565333.8	4222056	0.00269	3.56E-03	1.27E-03	1.43E-03	3.90E-03	1.27E-03	3.53E-04	6.95E-04	4.17E-04	2.73E-04	3.87E-04	1.90E-04
435	565323.9	4222056	0.002689	3.56E-03	1.27E-03	1.43E-03	3.90E-03	1.27E-03	3.53E-04	6.95E-04	4.17E-04	2.73E-04	3.87E-04	1.90E-04
436	565314	4222056	0.002689	3.56E-03	1.27E-03	1.43E-03	3.90E-03	1.27E-03	3.53E-04	6.95E-04	4.17E-04	2.73E-04	3.87E-04	1.90E-04
437	565304.1	4222056	0.002691	3.56E-03	1.27E-03	1.43E-03	3.90E-03	1.27E-03	3.53E-04	6.95E-04	4.17E-04	2.73E-04	3.87E-04	1.90E-04
438	565294.2	4222056	0.002694	3.56E-03	1.28E-03	1.43E-03	3.91E-03	1.28E-03	3.54E-04	6.96E-04	4.18E-04	2.74E-04	3.87E-04	1.91E-04
439	565284.3	4222056	0.002697	3.57E-03	1.28E-03	1.43E-03	3.91E-03	1.28E-03	3.54E-04	6.97E-04	4.18E-04	2.74E-04	3.88E-04	1.91E-04
440	565537.4	4222060	0.00295	3.90E-03	1.40E-03	1.56E-03	4.28E-03	1.40E-03	3.87E-04	7.62E-04	4.57E-04	3.00E-04	4.24E-04	2.09E-04
441	565546.2	4222064	0.003021	3.99E-03	1.43E-03	1.60E-03	4.38E-03	1.43E-03	3.97E-04	7.80E-04	4.68E-04	3.07E-04	4.34E-04	2.14E-04
442	565555.1	4222068	0.00309	4.09E-03	1.46E-03	1.64E-03	4.48E-03	1.46E-03	4.06E-04	7.98E-04	4.79E-04	3.14E-04	4.44E-04	2.19E-04
443	565563.9	4222071	0.003157	4.18E-03	1.50E-03	1.67E-03	4.58E-03	1.50E-03	4.15E-04	8.16E-04	4.89E-04	3.21E-04	4.54E-04	2.23E-04
444	565502.2	4222046	0.002665	3.52E-03	1.26E-03	1.41E-03	3.86E-03	1.26E-03	3.50E-04	6.88E-04	4.13E-04	2.71E-04	3.83E-04	1.88E-04
445	565492.2	4222046	0.002657	3.51E-03	1.26E-03	1.41E-03	3.85E-03	1.26E-03	3.49E-04	6.86E-04	4.12E-04	2.70E-04	3.82E-04	1.88E-04
446	565482.3	4222046	0.002647	3.50E-03	1.25E-03	1.40E-03	3.84E-03	1.25E-03	3.48E-04	6.84E-04	4.10E-04	2.69E-04	3.81E-04	1.87E-04
447	565472.4	4222046	0.002637	3.49E-03	1.25E-03	1.40E-03	3.82E-03	1.25E-03	3.46E-04	6.81E-04	4.09E-04	2.68E-04	3.79E-04	1.86E-04
448	565462.5	4222046	0.002626	3.47E-03	1.24E-03	1.39E-03	3.81E-03	1.24E-03	3.45E-04	6.78E-04	4.07E-04	2.67E-04	3.78E-04	1.86E-04
449	565452.6	4222046	0.002614	3.46E-03	1.24E-03	1.39E-03	3.79E-03	1.24E-03	3.43E-04	6.75E-04	4.05E-04	2.66E-04	3.76E-04	1.85E-04
450	565442.7	4222046	0.002601	3.44E-03	1.23E-03	1.38E-03	3.77E-03	1.23E-03	3.42E-04	6.72E-04	4.03E-04	2.64E-04	3.74E-04	1.84E-04
451	565432.8	4222046	0.002589	3.42E-03	1.23E-03	1.37E-03	3.75E-03	1.23E-03	3.40E-04	6.69E-04	4.01E-04	2.63E-04	3.72E-04	1.83E-04
452	565422.9	4222046	0.002578	3.41E-03	1.22E-03	1.37E-03	3.74E-03	1.22E-03	3.39E-04	6.66E-04	4.00E-04	2.62E-04	3.71E-04	1.82E-04

453	565413	4222046	0.002566	3.39E-03	1.22E-03	1.36E-03	3.72E-03	1.22E-03	3.37E-04	6.63E-04	3.98E-04	2.61E-04	3.69E-04	1.82E-04
454	565403.1	4222046	0.002556	3.38E-03	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.60E-04	3.96E-04	2.60E-04	3.68E-04	1.81E-04
455	565393.2	4222046	0.002547	3.37E-03	1.21E-03	1.35E-03	3.69E-03	1.21E-03	3.35E-04	6.58E-04	3.95E-04	2.59E-04	3.66E-04	1.80E-04
456	565383.3	4222046	0.00254	3.36E-03	1.20E-03	1.35E-03	3.68E-03	1.20E-03	3.34E-04	6.56E-04	3.94E-04	2.58E-04	3.65E-04	1.80E-04
457	565373.4	4222046	0.002533	3.35E-03	1.20E-03	1.34E-03	3.67E-03	1.20E-03	3.33E-04	6.54E-04	3.93E-04	2.57E-04	3.64E-04	1.79E-04
458	565363.5	4222046	0.002527	3.34E-03	1.20E-03	1.34E-03	3.66E-03	1.20E-03	3.32E-04	6.53E-04	3.92E-04	2.57E-04	3.64E-04	1.79E-04
459	565353.6	4222046	0.002523	3.34E-03	1.20E-03	1.34E-03	3.66E-03	1.20E-03	3.31E-04	6.52E-04	3.91E-04	2.56E-04	3.63E-04	1.78E-04
460	565343.7	4222046	0.002519	3.33E-03	1.19E-03	1.34E-03	3.65E-03	1.19E-03	3.31E-04	6.51E-04	3.91E-04	2.56E-04	3.62E-04	1.78E-04
461	565333.8	4222046	0.002517	3.33E-03	1.19E-03	1.33E-03	3.65E-03	1.19E-03	3.31E-04	6.50E-04	3.90E-04	2.56E-04	3.62E-04	1.78E-04
462	565323.9	4222046	0.002515	3.33E-03	1.19E-03	1.33E-03	3.65E-03	1.19E-03	3.30E-04	6.50E-04	3.90E-04	2.56E-04	3.62E-04	1.78E-04
463	565314	4222046	0.002515	3.33E-03	1.19E-03	1.33E-03	3.65E-03	1.19E-03	3.30E-04	6.50E-04	3.90E-04	2.56E-04	3.62E-04	1.78E-04
464	565304.1	4222046	0.002516	3.33E-03	1.19E-03	1.33E-03	3.65E-03	1.19E-03	3.30E-04	6.50E-04	3.90E-04	2.56E-04	3.62E-04	1.78E-04
465	565294.1	4222046	0.002519	3.33E-03	1.19E-03	1.34E-03	3.65E-03	1.19E-03	3.31E-04	6.51E-04	3.90E-04	2.56E-04	3.62E-04	1.78E-04
466	565284.2	4222046	0.002522	3.34E-03	1.19E-03	1.34E-03	3.66E-03	1.19E-03	3.31E-04	6.51E-04	3.91E-04	2.56E-04	3.63E-04	1.78E-04
467	565536.9	4222050	0.002759	3.65E-03	1.31E-03	1.46E-03	4.00E-03	1.31E-03	3.62E-04	7.13E-04	4.28E-04	2.80E-04	3.97E-04	1.95E-04
468	565545.6	4222054	0.002824	3.73E-03	1.34E-03	1.50E-03	4.09E-03	1.34E-03	3.71E-04	7.29E-04	4.38E-04	2.87E-04	4.06E-04	2.00E-04
469	565554.4	4222058	0.002887	3.82E-03	1.37E-03	1.53E-03	4.19E-03	1.37E-03	3.79E-04	7.46E-04	4.48E-04	2.93E-04	4.15E-04	2.04E-04
470	565563.1	4222061	0.002949	3.90E-03	1.40E-03	1.56E-03	4.28E-03	1.40E-03	3.87E-04	7.62E-04	4.57E-04	3.00E-04	4.24E-04	2.09E-04
471	565502.1	4222036	0.002501	3.31E-03	1.18E-03	1.33E-03	3.63E-03	1.18E-03	3.28E-04	6.46E-04	3.88E-04	2.54E-04	3.60E-04	1.77E-04
472	565492.2	4222036	0.002492	3.30E-03	1.18E-03	1.32E-03	3.61E-03	1.18E-03	3.27E-04	6.44E-04	3.86E-04	2.53E-04	3.59E-04	1.76E-04
473	565482.3	4222036	0.002483	3.28E-03	1.18E-03	1.32E-03	3.60E-03	1.18E-03	3.26E-04	6.42E-04	3.85E-04	2.52E-04	3.57E-04	1.76E-04
474	565472.4	4222036	0.002473	3.27E-03	1.17E-03	1.31E-03	3.59E-03	1.17E-03	3.25E-04	6.39E-04	3.83E-04	2.51E-04	3.56E-04	1.75E-04
475	565462.5	4222036	0.002463	3.26E-03	1.17E-03	1.31E-03	3.57E-03	1.17E-03	3.23E-04	6.36E-04	3.82E-04	2.50E-04	3.54E-04	1.74E-04
476	565452.6	4222036	0.002451	3.24E-03	1.16E-03	1.30E-03	3.55E-03	1.16E-03	3.22E-04	6.33E-04	3.80E-04	2.49E-04	3.53E-04	1.73E-04
477	565442.7	4222036	0.002439	3.23E-03	1.16E-03	1.29E-03	3.54E-03	1.16E-03	3.20E-04	6.30E-04	3.78E-04	2.48E-04	3.51E-04	1.72E-04
478	565432.8	4222036	0.002427	3.21E-03	1.15E-03	1.29E-03	3.52E-03	1.15E-03	3.19E-04	6.27E-04	3.76E-04	2.47E-04	3.49E-04	1.72E-04
479	565422.9	4222036	0.002416	3.20E-03	1.14E-03	1.28E-03	3.50E-03	1.14E-03	3.17E-04	6.24E-04	3.75E-04	2.46E-04	3.48E-04	1.71E-04
480	565413	4222036	0.002406	3.18E-03	1.14E-03	1.28E-03	3.49E-03	1.14E-03	3.16E-04	6.22E-04	3.73E-04	2.45E-04	3.46E-04	1.70E-04
481	565403.1	4222036	0.002397	3.17E-03	1.14E-03	1.27E-03	3.48E-03	1.14E-03	3.15E-04	6.19E-04	3.72E-04	2.44E-04	3.45E-04	1.70E-04
482	565393.2	4222036	0.002389	3.16E-03	1.13E-03	1.27E-03	3.46E-03	1.13E-03	3.14E-04	6.17E-04	3.70E-04	2.43E-04	3.44E-04	1.69E-04
483	565383.3	4222036	0.002382	3.15E-03	1.13E-03	1.26E-03	3.45E-03	1.13E-03	3.13E-04	6.15E-04	3.69E-04	2.42E-04	3.43E-04	1.68E-04
484	565373.4	4222036	0.002375	3.14E-03	1.13E-03	1.26E-03	3.44E-03	1.13E-03	3.12E-04	6.14E-04	3.68E-04	2.41E-04	3.42E-04	1.68E-04
485	565363.5	4222036	0.00237	3.13E-03	1.12E-03	1.26E-03	3.44E-03	1.12E-03	3.11E-04	6.12E-04	3.67E-04	2.41E-04	3.41E-04	1.68E-04
486	565353.6	4222036	0.002366	3.13E-03	1.12E-03	1.25E-03	3.43E-03	1.12E-03	3.11E-04	6.11E-04	3.67E-04	2.40E-04	3.40E-04	1.67E-04
487	565343.7	4222036	0.002363	3.13E-03	1.12E-03	1.25E-03	3.43E-03	1.12E-03	3.10E-04	6.11E-04	3.66E-04	2.40E-04	3.40E-04	1.67E-04
488	565333.7	4222036	0.00236	3.12E-03	1.12E-03	1.25E-03	3.42E-03	1.12E-03	3.10E-04	6.10E-04	3.66E-04	2.40E-04	3.40E-04	1.67E-04
489	565323.8	4222037	0.002359	3.12E-03	1.12E-03	1.25E-03	3.42E-03	1.12E-03	3.10E-04	6.09E-04	3.66E-04	2.40E-04	3.39E-04	1.67E-04
490	565313.9	4222037	0.002358	3.12E-03	1.12E-03	1.25E-03	3.42E-03	1.12E-03	3.10E-04	6.09E-04	3.65E-04	2.40E-04	3.39E-04	1.67E-04
491	565304	4222037	0.002359	3.12E-03	1.12E-03	1.25E-03	3.42E-03	1.12E-03	3.10E-04	6.09E-04	3.66E-04	2.40E-04	3.39E-04	1.67E-04
492	565294.1	4222037	0.002361	3.12E-03	1.12E-03	1.25E-03	3.42E-03	1.12E-03	3.10E-04	6.10E-04	3.66E-04	2.40E-04	3.40E-04	1.67E-04
493	565284.2	4222037	0.002364	3.13E-03	1.12E-03	1.25E-03	3.43E-03	1.12E-03	3.11E-04	6.11E-04	3.67E-04	2.40E-04	3.40E-04	1.67E-04
494	565538.7	4222041	0.002602	3.44E-03	1.23E-03	1.38E-03	3.77E-03	1.23E-03	3.42E-04	6.72E-04	4.03E-04	2.64E-04	3.74E-04	1.84E-04
495	565547.8	4222045	0.002664	3.52E-03	1.26E-03	1.41E-03	3.86E-03	1.26E-03	3.50E-04	6.88E-04	4.13E-04	2.71E-04	3.83E-04	1.88E-04
496	565566.1	4222053	0.002786	3.69E-03	1.32E-03	1.48E-03	4.04E-03	1.32E-03	3.66E-04	7.20E-04	4.32E-04	2.83E-04	4.01E-04	1.97E-04
497	565502.1	4222026	0.002352	3.11E-03	1.11E-03	1.25E-03	3.41E-03	1.11E-03	3.09E-04	6.08E-04	3.65E-04	2.39E-04	3.38E-04	1.66E-04
498	565492.2	4222026	0.002344	3.10E-03	1.11E-03	1.24E-03	3.40E-03	1.11E-03	3.08E-04	6.05E-04	3.63E-04	2.38E-04	3.37E-04	1.66E-04
499	565482.3	4222026	0.002335	3.09E-03	1.11E-03	1.24E-03	3.38E-03	1.11E-03	3.07E-04	6.03E-04	3.62E-04	2.37E-04	3.36E-04	1.65E-04
500	565472.4	4222026	0.002325	3.07E-03	1.10E-03	1.23E-03	3.37E-03	1.10E-03	3.05E-04	6.01E-04	3.60E-04	2.36E-04	3.34E-04	1.64E-04
501	565462.5	4222026	0.002314	3.06E-03	1.10E-03	1.23E-03	3.35E-03	1.10E-03	3.04E-04	5.98E-04	3.59E-04	2.35E-04	3.33E-04	1.64E-04
502	565452.6	4222026	0.002303	3.05E-03	1.09E-03	1.22E-03	3.34E-03	1.09E-03	3.02E-04	5.95E-04	3.57E-04	2.34E-04	3.31E-04	1.63E-04
503	565442.7	4222026	0.002292	3.03E-03	1.09E-03	1.22E-03	3.32E-03	1.09E-03	3.01E-04	5.92E-04	3.55E-04	2.33E-04	3.30E-04	1.62E-04
504	565432.8	4222026	0.002281	3.02E-03	1.08E-03	1.21E-03	3.31E-03	1.08E-03	3.00E-04	5.89E-04	3.54E-04	2.32E-04	3.28E-04	1.61E-04
505	565422.9	4222026	0.002272	3.00E-03	1.08E-03	1.20E-03	3.29E-03	1.08E-03	2.98E-04	5.87E-04	3.52E-04	2.31E-04	3.27E-04	1.61E-04
506	565413	4222026	0.002262	2.99E-03	1.07E-03	1.20E-03	3.28E-03	1.07E-03	2.97E-04	5.84E-04	3.51E-04	2.30E-04	3.25E-04	1.60E-04
507	565403.1	4222027	0.002254	2.98E-03	1.07E-03	1.19E-03	3.27E-03	1.07E-03	2.96E-04	5.82E-04	3.49E-04	2.29E-04	3.24E-04	1.59E-04
508	565393.2	4222027	0.002246	2.97E-03	1.06E-03	1.19E-03	3.26E-03	1.06E-03	2.95E-04	5.80E-04	3.48E-04	2.28E-04	3.23E-04	1.59E-04
509	565383.2	4222027	0.002239	2.96E-03	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.94E-04	5.78E-04	3.47E-04	2.28E-04	3.22E-04	1.58E-04
510	565373.3	4222027	0.002233	2.95E-03	1.06E-03	1.18E-03	3.24E-03	1.06E-03	2.93E-04	5.77E-04	3.46E-04	2.27E-04	3.21E-04	1.58E-04
511	565363.4	4222027	0.002228	2.95E-03	1.06E-03	1.18E-03	3.23E-03	1.06E-03	2.93E-04	5.76E-04	3.45E-04	2.26E-04	3.20E-04	1.58E-04
512	565353.5	4222027	0.002224	2.94E-03	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.92E-04	5.74E-04	3.45E-04	2.26E-04	3.20E-04	1.57E-04
513	565343.6	4222027	0.002221	2.94E-03	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.92E-04	5.74E-04	3.44E-04	2.26E-04	3.19E-04	1.57E-04
514	565333.7	4222027	0.002218	2.93E-03	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.91E-04	5.73E-04	3.44E-04	2.25E-04	3.19E-04	1.57E-04
515	565323.8	4222027	0.002217	2.93E-03	1.05E-03	1.18E-03	3.21E-03	1.05E-03	2.91E-04	5.73E-04	3.44E-04	2.25E-04	3.19E-04	1.57E-04
516	565313.9	4222027	0.002216	2.93E-03	1.05E-03	1.17E-03	3.21E-03	1.05E-03	2.91E-04	5.72E-04	3.44E-04	2.25E-04	3.19E-04	1.57E-04
517	565304	4222027	0.002217	2.93E-03	1.05E-03	1.18E-03	3.21E-03	1.05E-03	2.91E-04	5.73E-04	3.44E-04	2.25E-04	3.19E-04	1.57E-04
518	565294.1	4222027	0.00222	2.94E-03	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.91E-04	5.73E-04	3.44E-04	2.26E-04	3.19E-04	1.57E-04
519	565284.2	4222027	0.002222	2.94E-03	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.92E-04	5.74E-04	3.44E-04	2.26E-04	3.20E-04	1.57E-04
520	565538.1	4222031	0.002444	3.23E-03	1.16E-03	1.30E-03	3.54E-03	1.16E-03	3.21E-04	6.31E-04	3.79E-04	2.48E-04	3.52E-04	1.73E-04
521	565547.1	4222035	0.002501	3.31E-03	1.18E-03	1.33E-03	3.63E-03	1.18E-03	3.28E-04	6.46E-04	3.88E-04	2.54E-04	3.60E-04	1.77E-04
522	565556.2	4222039	0.002558	3.38E-03	1.21E-03	1.36E-03	3.71E-03	1.21E-03	3.36E-04	6.61E-04	3.96E-04	2.60E-04	3.68E-04	1.81E-04
523	565565.2	4222042	0.002613	3.46E-03	1.24E-03	1.39E-03	3.79E-03	1.24E-03	3.43E-04	6.75E-04	4.05E-04	2.66E-04	3.76E-04	1.85E-04
524	565502.1	4222016	0.002217	2.93E-03	1.05E-03	1.18E-03	3.21E-03	1.05E-03	2.91E-04	5.73E-04	3.44E-04	2.25E-04	3.19E-04	1.57E-04
525	565492.2	4222016	0.002209	2.92E-03	1.05E-03	1.17E-03	3.20E-03	1.05E-03	2.90E-04	5.71E-04	3.42E-04	2.24E-04	3.18E-04	1.56E-04
526	565482.3	4222016	0.0022	2.91E-03	1.04E-03	1.17E-03	3.19E-03	1.04E-03	2.89E-04	5.68E-04	3.41E-04	2.24E-04	3.16E-04	1.56E-04
527	565472.4	4222017	0.00219	2.90E-03	1.04E-03	1.16E-03	3.17E-03	1.04E-03	2.88E-04	5.66E-04	3.39E-04	2.23E-04	3.15E-04	1.55E-04
528	565462.5	4222017	0.00218	2.88E-03	1.03E-03	1.16E-03	3.16E-03	1.03E-03	2.86E-04	5.63E-04	3.38E-04	2.22E-04	3.14E-04	1.54E-04
529	565452.6	4222017	0.00217	2.87E-03	1.03E-03	1.15E-03	3.15E-03	1.03E-03	2.85E-04	5.61E-04	3.36E-04	2.20E-04	3.12E-04	1.53E-04
530	565442.7	4222017	0.00216	2.86E-03	1.02E-03	1.14E-03	3.13E-03	1.02E-03	2.84E-04	5.58E-04	3.35E-04	2.19E-04	3.11E-04	1.53E-04
531	565432.8	4222017	0.00215	2.84E-03	1.02E-03	1.14E-03	3.12E-03	1.02E-03	2.82E-04	5.55E-04	3.33E-04	2.18E-04	3.09E-04	1.52E-04
532	565422.8	4222017	0.002141	2.83E-03	1.01E-03	1.13E-03	3.10E-03	1.01E-03	2.81E-04	5.53E-04	3.32E-04	2.18E-04	3.08E-04	1.51E-04
533	565412.9	4222017	0.002132	2.82E-03	1.01E-03	1.13E-03	3.09E-03	1.01E-03	2.80E-04	5.51E-04	3.30E-04	2.17E-04	3.07E-04	1.51E-04
534	565403	4222017	0.002124	2.81E-03	1.01E-03	1.13E-03	3.08E-03	1.01E-03	2.79E-04	5.49E-04	3.29E-04	2.16E-04	3.06E-04	1.50E-04
535	565393.1	4222017	0.002117	2.80E-03	1.00E-03	1.12E-03	3.07E-03	1.00E-03	2.78E-04	5.47E-04	3.28E-04	2.15E-04	3.04E-04	1.50E-04
536	565383.2	4222017	0.00211	2.79E-03	1.00E-03	1.12E-03	3.06E-03	1.00E-03	2.77E-04	5.45E-04	3.27E-04	2.14E-04	3.04E-04	1.49E-04
537	565373.3	4222017	0.002104	2.78E-03	9.97E-04	1.12E-03	3.05E-03	9.97E-04	2.76E-04	5.44E-04	3.26E-04	2.14E-04	3.03E-04	1.49E-04
538	565363.4	4222017	0.002099	2.78E-03	9.94E-04	1.11E-03	3.04E-03	9.94E-04	2.76E-04	5.42E-04	3.25E-04	2.13E-04	3.02E-04	1.48E-04
539	565353.5	4222017	0.002095	2.77E-03	9.92E-04	1.11E-03	3.04E-03	9.92E-04	2.75E-04	5.41E-04	3.25E-04	2.13E-04	3.01E-04	1.48E-04
540	565343.6	4222017	0.002091	2.77E-03	9.91E-04	1.11E-03	3.03E-03	9.91E-04	2.75E-04	5.40E-04	3.24E-04	2.13E-04	3.01E-04	1.48E-04
541	565333.7	4222017	0.002089	2.76E-03	9.90E-04	1.11E-03	3.03E-03	9.90E-04	2.74E-04	5.40E-04	3.24E-04	2.12E-04	3.00E-04	1.48E-04
542	565323.8	4222017	0.002088	2.76E-03	9.89E-04	1.11E-03	3.03E-03	9.89E-04	2.74E-04	5.39E-04	3.24E-04	2.12E-04	3.00E-04	1.48E-04
543	565313.9	4222017	0.002088	2.76E-03	9.89E-04	1.11E-03	3.03E-03	9.89E-04	2.74E-04	5.39E-04	3.24E-04	2.12E-04	3.00E-04	1.48E-04

544	565304	4222017	0.002089	2.76E-03	9.90E-04	1.11E-03	3.03E-03	9.90E-04	2.74E-04	5.40E-04	3.24E-04	2.12E-04	3.00E-04	1.48E-04
545	565294.1	4222017	0.002091	2.77E-03	9.91E-04	1.11E-03	3.03E-03	9.91E-04	2.75E-04	5.40E-04	3.24E-04	2.12E-04	3.01E-04	1.48E-04
546	565284.2	4222017	0.002093	2.77E-03	9.92E-04	1.11E-03	3.03E-03	9.92E-04	2.75E-04	5.41E-04	3.25E-04	2.13E-04	3.01E-04	1.48E-04
547	565537.7	4222021	0.002301	3.04E-03	1.09E-03	1.22E-03	3.34E-03	1.09E-03	3.02E-04	5.94E-04	3.57E-04	2.34E-04	3.31E-04	1.63E-04
548	565546.5	4222025	0.002353	3.11E-03	1.11E-03	1.25E-03	3.41E-03	1.11E-03	3.09E-04	6.08E-04	3.65E-04	2.39E-04	3.39E-04	1.66E-04
549	565555.4	4222029	0.002405	3.18E-03	1.14E-03	1.28E-03	3.49E-03	1.14E-03	3.16E-04	6.21E-04	3.73E-04	2.44E-04	3.46E-04	1.70E-04
550	565564.3	4222032	0.002457	3.25E-03	1.16E-03	1.30E-03	3.56E-03	1.16E-03	3.23E-04	6.35E-04	3.81E-04	2.50E-04	3.53E-04	1.74E-04
551	565502.1	4222007	0.002094	2.77E-03	9.92E-04	1.11E-03	3.04E-03	9.92E-04	2.75E-04	5.41E-04	3.25E-04	2.13E-04	3.01E-04	1.48E-04
552	565492.2	4222007	0.002086	2.76E-03	9.88E-04	1.11E-03	3.02E-03	9.88E-04	2.74E-04	5.39E-04	3.23E-04	2.12E-04	3.00E-04	1.48E-04
553	565482.3	4222007	0.002077	2.75E-03	9.84E-04	1.10E-03	3.01E-03	9.84E-04	2.73E-04	5.37E-04	3.22E-04	2.11E-04	2.99E-04	1.47E-04
554	565472.4	4222007	0.002067	2.73E-03	9.79E-04	1.10E-03	3.00E-03	9.79E-04	2.71E-04	5.34E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
555	565462.4	4222007	0.002057	2.72E-03	9.75E-04	1.09E-03	2.98E-03	9.75E-04	2.70E-04	5.32E-04	3.19E-04	2.09E-04	2.96E-04	1.45E-04
556	565452.5	4222007	0.002048	2.71E-03	9.70E-04	1.09E-03	2.97E-03	9.70E-04	2.69E-04	5.29E-04	3.18E-04	2.08E-04	2.95E-04	1.45E-04
557	565442.6	4222007	0.002039	2.70E-03	9.66E-04	1.08E-03	2.96E-03	9.66E-04	2.68E-04	5.27E-04	3.16E-04	2.07E-04	2.93E-04	1.44E-04
558	565432.7	4222007	0.00203	2.68E-03	9.62E-04	1.08E-03	2.94E-03	9.62E-04	2.67E-04	5.24E-04	3.15E-04	2.06E-04	2.92E-04	1.44E-04
559	565422.8	4222007	0.002021	2.67E-03	9.58E-04	1.07E-03	2.93E-03	9.58E-04	2.65E-04	5.22E-04	3.13E-04	2.05E-04	2.91E-04	1.43E-04
560	565412.9	4222007	0.002013	2.66E-03	9.54E-04	1.07E-03	2.92E-03	9.54E-04	2.64E-04	5.20E-04	3.12E-04	2.05E-04	2.90E-04	1.42E-04
561	565403	4222007	0.002006	2.65E-03	9.50E-04	1.06E-03	2.91E-03	9.50E-04	2.63E-04	5.18E-04	3.11E-04	2.04E-04	2.89E-04	1.42E-04
562	565393.1	4222007	0.001999	2.64E-03	9.47E-04	1.06E-03	2.90E-03	9.47E-04	2.63E-04	5.16E-04	3.10E-04	2.03E-04	2.88E-04	1.41E-04
563	565383.2	4222007	0.001993	2.64E-03	9.44E-04	1.06E-03	2.89E-03	9.44E-04	2.62E-04	5.15E-04	3.09E-04	2.03E-04	2.87E-04	1.41E-04
564	565373.3	4222007	0.001987	2.63E-03	9.42E-04	1.05E-03	2.88E-03	9.42E-04	2.61E-04	5.13E-04	3.08E-04	2.02E-04	2.86E-04	1.41E-04
565	565363.4	4222007	0.001982	2.62E-03	9.39E-04	1.05E-03	2.87E-03	9.39E-04	2.60E-04	5.12E-04	3.07E-04	2.01E-04	2.85E-04	1.40E-04
566	565353.5	4222007	0.001977	2.62E-03	9.37E-04	1.05E-03	2.87E-03	9.37E-04	2.60E-04	5.11E-04	3.07E-04	2.01E-04	2.84E-04	1.40E-04
567	565343.6	4222007	0.001974	2.61E-03	9.35E-04	1.05E-03	2.86E-03	9.35E-04	2.59E-04	5.10E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
568	565333.7	4222007	0.001972	2.61E-03	9.34E-04	1.05E-03	2.86E-03	9.34E-04	2.59E-04	5.09E-04	3.06E-04	2.00E-04	2.84E-04	1.39E-04
569	565323.8	4222007	0.001971	2.61E-03	9.34E-04	1.05E-03	2.86E-03	9.34E-04	2.59E-04	5.09E-04	3.06E-04	2.00E-04	2.84E-04	1.39E-04
570	565313.9	4222007	0.001971	2.61E-03	9.34E-04	1.05E-03	2.86E-03	9.34E-04	2.59E-04	5.09E-04	3.06E-04	2.00E-04	2.84E-04	1.39E-04
571	565304	4222007	0.001972	2.61E-03	9.34E-04	1.05E-03	2.86E-03	9.34E-04	2.59E-04	5.10E-04	3.06E-04	2.00E-04	2.84E-04	1.39E-04
572	565294.1	4222007	0.001974	2.61E-03	9.35E-04	1.05E-03	2.86E-03	9.35E-04	2.59E-04	5.10E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
573	565284.2	4222007	0.001976	2.61E-03	9.36E-04	1.05E-03	2.87E-03	9.36E-04	2.60E-04	5.11E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
574	565537.2	4222011	0.002171	2.87E-03	1.03E-03	1.15E-03	3.15E-03	1.03E-03	2.85E-04	5.61E-04	3.37E-04	2.21E-04	3.12E-04	1.54E-04
575	565546	4222015	0.002219	2.93E-03	1.05E-03	1.18E-03	3.22E-03	1.05E-03	2.91E-04	5.73E-04	3.44E-04	2.25E-04	3.19E-04	1.57E-04
576	565554.8	4222018	0.002267	3.00E-03	1.07E-03	1.20E-03	3.29E-03	1.07E-03	2.98E-04	5.86E-04	3.51E-04	2.30E-04	3.26E-04	1.60E-04
577	565563.6	4222022	0.002314	3.06E-03	1.10E-03	1.23E-03	3.35E-03	1.10E-03	3.04E-04	5.98E-04	3.59E-04	2.35E-04	3.33E-04	1.64E-04
578	565502	4221997	0.001981	2.62E-03	9.39E-04	1.05E-03	2.87E-03	9.39E-04	2.60E-04	5.12E-04	3.07E-04	2.01E-04	2.85E-04	1.40E-04
579	565492.1	4221997	0.001974	2.61E-03	9.35E-04	1.05E-03	2.86E-03	9.35E-04	2.59E-04	5.10E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
580	565482.2	4221997	0.001965	2.60E-03	9.31E-04	1.04E-03	2.85E-03	9.31E-04	2.58E-04	5.08E-04	3.05E-04	2.00E-04	2.83E-04	1.39E-04
581	565472.3	4221997	0.001956	2.59E-03	9.27E-04	1.04E-03	2.84E-03	9.27E-04	2.57E-04	5.05E-04	3.03E-04	1.99E-04	2.81E-04	1.38E-04
582	565462.4	4221997	0.001947	2.57E-03	9.22E-04	1.03E-03	2.82E-03	9.22E-04	2.56E-04	5.03E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
583	565452.5	4221997	0.001938	2.56E-03	9.18E-04	1.03E-03	2.81E-03	9.18E-04	2.54E-04	5.01E-04	3.00E-04	1.97E-04	2.79E-04	1.37E-04
584	565442.6	4221997	0.001929	2.55E-03	9.14E-04	1.02E-03	2.80E-03	9.14E-04	2.53E-04	4.98E-04	2.99E-04	1.96E-04	2.78E-04	1.36E-04
585	565432.7	4221997	0.001921	2.54E-03	9.10E-04	1.02E-03	2.78E-03	9.10E-04	2.52E-04	4.96E-04	2.98E-04	1.95E-04	2.76E-04	1.36E-04
586	565422.8	4221997	0.001913	2.53E-03	9.06E-04	1.01E-03	2.77E-03	9.06E-04	2.51E-04	4.94E-04	2.97E-04	1.94E-04	2.75E-04	1.35E-04
587	565412.9	4221997	0.001905	2.52E-03	9.03E-04	1.01E-03	2.76E-03	9.03E-04	2.50E-04	4.92E-04	2.95E-04	1.94E-04	2.74E-04	1.35E-04
588	565403	4221997	0.001898	2.51E-03	8.99E-04	1.01E-03	2.75E-03	8.99E-04	2.49E-04	4.90E-04	2.94E-04	1.93E-04	2.73E-04	1.34E-04
589	565393.1	4221997	0.001891	2.50E-03	8.96E-04	1.00E-03	2.74E-03	8.96E-04	2.48E-04	4.89E-04	2.93E-04	1.92E-04	2.72E-04	1.34E-04
590	565383.2	4221997	0.001885	2.49E-03	8.93E-04	1.00E-03	2.73E-03	8.93E-04	2.48E-04	4.87E-04	2.92E-04	1.92E-04	2.71E-04	1.33E-04
591	565373.3	4221997	0.00188	2.49E-03	8.91E-04	9.97E-04	2.73E-03	8.91E-04	2.47E-04	4.86E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
592	565363.4	4221997	0.001875	2.48E-03	8.88E-04	9.94E-04	2.72E-03	8.88E-04	2.46E-04	4.84E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
593	565353.5	4221997	0.001871	2.47E-03	8.86E-04	9.92E-04	2.71E-03	8.86E-04	2.46E-04	4.83E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
594	565343.6	4221997	0.001868	2.47E-03	8.85E-04	9.90E-04	2.71E-03	8.85E-04	2.45E-04	4.82E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
595	565333.7	4221997	0.001866	2.47E-03	8.84E-04	9.89E-04	2.71E-03	8.84E-04	2.45E-04	4.82E-04	2.89E-04	1.90E-04	2.68E-04	1.32E-04
596	565323.8	4221997	0.001865	2.47E-03	8.84E-04	9.89E-04	2.70E-03	8.84E-04	2.45E-04	4.82E-04	2.89E-04	1.90E-04	2.68E-04	1.32E-04
597	565313.8	4221997	0.001865	2.47E-03	8.84E-04	9.89E-04	2.70E-03	8.84E-04	2.45E-04	4.82E-04	2.89E-04	1.90E-04	2.68E-04	1.32E-04
598	565303.9	4221997	0.001866	2.47E-03	8.84E-04	9.89E-04	2.71E-03	8.84E-04	2.45E-04	4.82E-04	2.89E-04	1.90E-04	2.68E-04	1.32E-04
599	565294	4221997	0.001868	2.47E-03	8.85E-04	9.90E-04	2.71E-03	8.85E-04	2.45E-04	4.82E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
600	565284.1	4221997	0.00187	2.47E-03	8.86E-04	9.91E-04	2.71E-03	8.86E-04	2.46E-04	4.83E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
601	565536.8	4222001	0.002052	2.71E-03	9.72E-04	1.09E-03	2.97E-03	9.72E-04	2.69E-04	5.30E-04	3.18E-04	2.09E-04	2.95E-04	1.45E-04
602	565545.5	4222005	0.002096	2.77E-03	9.93E-04	1.11E-03	3.04E-03	9.93E-04	2.75E-04	5.41E-04	3.25E-04	2.13E-04	3.01E-04	1.48E-04
603	565554.2	4222008	0.00214	2.83E-03	1.01E-03	1.13E-03	3.10E-03	1.01E-03	2.81E-04	5.53E-04	3.32E-04	2.17E-04	3.08E-04	1.51E-04
604	565562.9	4222012	0.002184	2.89E-03	1.03E-03	1.16E-03	3.17E-03	1.03E-03	2.87E-04	5.64E-04	3.39E-04	2.22E-04	3.14E-04	1.54E-04
605	565502	4221987	0.001878	2.48E-03	8.90E-04	9.96E-04	2.72E-03	8.90E-04	2.47E-04	4.85E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
606	565492.1	4221987	0.001871	2.47E-03	8.86E-04	9.92E-04	2.71E-03	8.86E-04	2.46E-04	4.83E-04	2.90E-04	1.90E-04	2.69E-04	1.32E-04
607	565482.2	4221987	0.001863	2.46E-03	8.82E-04	9.88E-04	2.70E-03	8.82E-04	2.45E-04	4.81E-04	2.89E-04	1.89E-04	2.68E-04	1.32E-04
608	565472.3	4221987	0.001854	2.45E-03	8.78E-04	9.83E-04	2.69E-03	8.78E-04	2.43E-04	4.79E-04	2.87E-04	1.88E-04	2.67E-04	1.31E-04
609	565462.4	4221987	0.001845	2.44E-03	8.74E-04	9.78E-04	2.68E-03	8.74E-04	2.42E-04	4.77E-04	2.86E-04	1.88E-04	2.65E-04	1.30E-04
610	565452.5	4221987	0.001837	2.43E-03	8.70E-04	9.74E-04	2.66E-03	8.70E-04	2.41E-04	4.75E-04	2.85E-04	1.87E-04	2.64E-04	1.30E-04
611	565442.6	4221987	0.001829	2.42E-03	8.66E-04	9.70E-04	2.65E-03	8.66E-04	2.40E-04	4.72E-04	2.84E-04	1.86E-04	2.63E-04	1.29E-04
612	565432.7	4221987	0.001821	2.41E-03	8.63E-04	9.66E-04	2.64E-03	8.63E-04	2.39E-04	4.70E-04	2.82E-04	1.85E-04	2.62E-04	1.29E-04
613	565422.8	4221987	0.001814	2.40E-03	8.59E-04	9.62E-04	2.63E-03	8.59E-04	2.38E-04	4.69E-04	2.81E-04	1.84E-04	2.61E-04	1.28E-04
614	565412.9	4221987	0.001806	2.39E-03	8.56E-04	9.58E-04	2.62E-03	8.56E-04	2.37E-04	4.67E-04	2.80E-04	1.84E-04	2.60E-04	1.28E-04
615	565403	4221987	0.0018	2.38E-03	8.53E-04	9.54E-04	2.61E-03	8.53E-04	2.36E-04	4.65E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
616	565393.1	4221987	0.001793	2.37E-03	8.49E-04	9.51E-04	2.60E-03	8.49E-04	2.35E-04	4.63E-04	2.78E-04	1.82E-04	2.58E-04	1.27E-04
617	565383.2	4221987	0.001787	2.36E-03	8.47E-04	9.47E-04	2.59E-03	8.47E-04	2.35E-04	4.62E-04	2.77E-04	1.82E-04	2.57E-04	1.26E-04
618	565373.3	4221987	0.001782	2.36E-03	8.44E-04	9.45E-04	2.58E-03	8.44E-04	2.34E-04	4.60E-04	2.76E-04	1.81E-04	2.56E-04	1.26E-04
619	565363.4	4221987	0.001777	2.35E-03	8.42E-04	9.42E-04	2.58E-03	8.42E-04	2.33E-04	4.59E-04	2.76E-04	1.81E-04	2.56E-04	1.26E-04
620	565353.4	4221987	0.001774	2.35E-03	8.40E-04	9.40E-04	2.57E-03	8.40E-04	2.33E-04	4.58E-04	2.75E-04	1.80E-04	2.55E-04	1.25E-04
621	565343.5	4221987	0.001771	2.34E-03	8.39E-04	9.39E-04	2.57E-03	8.39E-04	2.33E-04	4.57E-04	2.75E-04	1.80E-04	2.55E-04	1.25E-04
622	565333.6	4221987	0.001769	2.34E-03	8.38E-04	9.38E-04	2.56E-03	8.38E-04	2.32E-04	4.57E-04	2.74E-04	1.80E-04	2.54E-04	1.25E-04
623	565323.7	4221987	0.001768	2.34E-03	8.38E-04	9.38E-04	2.56E-03	8.38E-04	2.32E-04	4.57E-04	2.74E-04	1.80E-04	2.54E-04	1.25E-04
624	565313.8	4221987	0.001768	2.34E-03	8.38E-04	9.38E-04	2.56E-03	8.38E-04	2.32E-04	4.57E-04	2.74E-04	1.80E-04	2.54E-04	1.25E-04
625	565303.9	4221987	0.001769	2.34E-03	8.38E-04	9.38E-04	2.56E-03	8.38E-04	2.32E-04	4.57E-04	2.74E-04	1.80E-04	2.54E-04	1.25E-04
626	565294	4221987	0.00177	2.34E-03	8.39E-04	9.39E-04	2.57E-03	8.39E-04	2.32E-04	4.57E-04	2.74E-04	1.80E-04	2.55E-04	1.25E-04
627	565284.1	4221987	0.001772	2.34E-03	8.39E-04	9.39E-04	2.57E-03	8.39E-04	2.33E-04	4.58E-04	2.75E-04	1.80E-04	2.55E-04	1.25E-04
628	565538.2	4221992	0.001951	2.58E-03	9.24E-04	1.03E-03	2.83E-03	9.24E-04	2.56E-04	5.04E-04	3.02E-04	1.98E-04	2.81E-04	1.38E-04
629	565547.3	4221996	0.001994	2.64E-03	9.45E-04	1.06E-03	2.89E-03	9.45E-04	2.62E-04	5.15E-04	3.09E-04	2.03E-04	2.87E-04	1.41E-04
630	565556.3	4221999	0.002037	2.69E-03	9.65E-04	1.08E-03	2.95E-03	9.65E-04	2.67E-04	5.26E-04	3.16E-04	2.07E-04	2.93E-04	1.44E-04
631	565565.4	4222003	0.002079	2.75E-03	9.85E-04	1.10E-03	3.01E-03	9.85E-04	2.73E-04	5.37E-04	3.22E-04	2.11E-04	2.99E-04	1.47E-04
632	565601.6	4222018	0.002243	2.97E-03	1.06E-03	1.19E-03	3.25E-03	1.06E-03	2.95E-04	5.79E-04	3.48E-04	2.28E-04	3.23E-04	1.59E-04
633	565502	4221977	0.001784	2.36E-03	8.45E-04	9.46E-04	2.59E-03	8.45E-04	2.34E-04	4.61E-04	2.76E-04	1.81E-04	2.57E-04	1.26E-04
634	565492.1	4221977	0.001777	2.35E-03	8.42E-04	9.42E-04	2.58E-03	8.42E-04	2.33E-04	4.59E-04	2.75E-04	1.81E-04	2.56E-04	1.26E-04

635	565482.2	4221977	0.001769	2.34E-03	8.38E-04	9.38E-04	2.56E-03	8.38E-04	2.32E-04	4.57E-04	2.74E-04	1.80E-04	2.54E-04	1.25E-04
636	565472.3	4221977	0.00176	2.33E-03	8.34E-04	9.33E-04	2.55E-03	8.34E-04	2.31E-04	4.55E-04	2.73E-04	1.79E-04	2.53E-04	1.24E-04
637	565462.4	4221977	0.001752	2.32E-03	8.30E-04	9.29E-04	2.54E-03	8.30E-04	2.30E-04	4.53E-04	2.72E-04	1.78E-04	2.52E-04	1.24E-04
638	565452.5	4221977	0.001744	2.31E-03	8.26E-04	9.25E-04	2.53E-03	8.26E-04	2.29E-04	4.51E-04	2.70E-04	1.77E-04	2.51E-04	1.23E-04
639	565442.6	4221977	0.001737	2.30E-03	8.23E-04	9.21E-04	2.52E-03	8.23E-04	2.28E-04	4.49E-04	2.69E-04	1.77E-04	2.50E-04	1.23E-04
640	565432.7	4221977	0.001729	2.29E-03	8.19E-04	9.17E-04	2.51E-03	8.19E-04	2.27E-04	4.47E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
641	565422.8	4221977	0.001722	2.28E-03	8.16E-04	9.13E-04	2.50E-03	8.16E-04	2.26E-04	4.45E-04	2.67E-04	1.75E-04	2.48E-04	1.22E-04
642	565412.9	4221977	0.001716	2.27E-03	8.13E-04	9.10E-04	2.49E-03	8.13E-04	2.25E-04	4.43E-04	2.66E-04	1.74E-04	2.47E-04	1.21E-04
643	565403	4221977	0.001709	2.26E-03	8.10E-04	9.06E-04	2.48E-03	8.10E-04	2.24E-04	4.42E-04	2.65E-04	1.74E-04	2.46E-04	1.21E-04
644	565393	4221977	0.001703	2.25E-03	8.07E-04	9.03E-04	2.47E-03	8.07E-04	2.24E-04	4.40E-04	2.64E-04	1.73E-04	2.45E-04	1.20E-04
645	565383.1	4221977	0.001697	2.24E-03	8.04E-04	9.00E-04	2.46E-03	8.04E-04	2.23E-04	4.38E-04	2.63E-04	1.72E-04	2.44E-04	1.20E-04
646	565373.2	4221977	0.001691	2.24E-03	8.01E-04	8.97E-04	2.45E-03	8.01E-04	2.22E-04	4.37E-04	2.62E-04	1.72E-04	2.43E-04	1.20E-04
647	565363.3	4221977	0.001688	2.23E-03	7.99E-04	8.95E-04	2.45E-03	7.99E-04	2.22E-04	4.36E-04	2.62E-04	1.71E-04	2.43E-04	1.19E-04
648	565353.4	4221977	0.001684	2.23E-03	7.98E-04	8.93E-04	2.44E-03	7.98E-04	2.21E-04	4.35E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
649	565343.5	4221977	0.001682	2.22E-03	7.97E-04	8.92E-04	2.44E-03	7.97E-04	2.21E-04	4.35E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
650	565333.6	4221977	0.00168	2.22E-03	7.96E-04	8.91E-04	2.44E-03	7.96E-04	2.21E-04	4.34E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
651	565323.7	4221977	0.00168	2.22E-03	7.96E-04	8.90E-04	2.43E-03	7.96E-04	2.21E-04	4.34E-04	2.60E-04	1.71E-04	2.42E-04	1.19E-04
652	565313.8	4221978	0.001679	2.22E-03	7.96E-04	8.90E-04	2.43E-03	7.96E-04	2.21E-04	4.34E-04	2.60E-04	1.71E-04	2.42E-04	1.19E-04
653	565303.9	4221978	0.00168	2.22E-03	7.96E-04	8.91E-04	2.44E-03	7.96E-04	2.21E-04	4.34E-04	2.60E-04	1.71E-04	2.42E-04	1.19E-04
654	565294	4221978	0.001681	2.22E-03	7.96E-04	8.91E-04	2.44E-03	7.96E-04	2.21E-04	4.34E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
655	565284.1	4221978	0.001682	2.22E-03	7.97E-04	8.92E-04	2.44E-03	7.97E-04	2.21E-04	4.35E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
656	565537.8	4221982	0.00185	2.45E-03	8.77E-04	9.81E-04	2.68E-03	8.77E-04	2.43E-04	4.78E-04	2.87E-04	1.88E-04	2.66E-04	1.31E-04
657	565546.7	4221986	0.00189	2.50E-03	8.95E-04	1.00E-03	2.74E-03	8.95E-04	2.48E-04	4.88E-04	2.93E-04	1.92E-04	2.72E-04	1.34E-04
658	565555.7	4221989	0.001929	2.55E-03	9.14E-04	1.02E-03	2.80E-03	9.14E-04	2.53E-04	4.98E-04	2.99E-04	1.96E-04	2.77E-04	1.36E-04
659	565564.6	4221993	0.001968	2.60E-03	9.33E-04	1.04E-03	2.85E-03	9.33E-04	2.59E-04	5.09E-04	3.05E-04	2.00E-04	2.83E-04	1.39E-04
660	565591.5	4222004	0.002084	2.76E-03	9.87E-04	1.10E-03	3.02E-03	9.87E-04	2.74E-04	5.38E-04	3.23E-04	2.12E-04	3.00E-04	1.47E-04
661	565600.5	4222008	0.002121	2.81E-03	1.00E-03	1.12E-03	3.08E-03	1.00E-03	2.79E-04	5.48E-04	3.29E-04	2.16E-04	3.05E-04	1.50E-04
662	565609.4	4222011	0.002158	2.85E-03	1.02E-03	1.14E-03	3.13E-03	1.02E-03	2.83E-04	5.57E-04	3.34E-04	2.19E-04	3.10E-04	1.53E-04
663	565618.4	4222015	0.002193	2.90E-03	1.04E-03	1.16E-03	3.18E-03	1.04E-03	2.88E-04	5.67E-04	3.40E-04	2.23E-04	3.15E-04	1.55E-04
664	565627.3	4222019	0.002226	2.94E-03	1.05E-03	1.18E-03	3.23E-03	1.05E-03	2.92E-04	5.75E-04	3.45E-04	2.26E-04	3.20E-04	1.57E-04
665	565502	4221967	0.001696	2.24E-03	8.03E-04	8.99E-04	2.46E-03	8.03E-04	2.23E-04	4.38E-04	2.63E-04	1.72E-04	2.44E-04	1.20E-04
666	565492.1	4221967	0.001689	2.23E-03	8.00E-04	8.96E-04	2.45E-03	8.00E-04	2.22E-04	4.36E-04	2.62E-04	1.72E-04	2.43E-04	1.19E-04
667	565482.2	4221967	0.001682	2.22E-03	7.97E-04	8.92E-04	2.44E-03	7.97E-04	2.21E-04	4.34E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
668	565472.3	4221967	0.001674	2.21E-03	7.93E-04	8.88E-04	2.43E-03	7.93E-04	2.20E-04	4.32E-04	2.60E-04	1.70E-04	2.41E-04	1.18E-04
669	565462.4	4221967	0.001666	2.20E-03	7.89E-04	8.83E-04	2.42E-03	7.89E-04	2.19E-04	4.30E-04	2.58E-04	1.69E-04	2.40E-04	1.18E-04
670	565452.5	4221967	0.001659	2.19E-03	7.86E-04	8.80E-04	2.41E-03	7.86E-04	2.18E-04	4.29E-04	2.57E-04	1.69E-04	2.39E-04	1.17E-04
671	565442.5	4221967	0.001652	2.18E-03	7.83E-04	8.76E-04	2.39E-03	7.83E-04	2.17E-04	4.27E-04	2.56E-04	1.68E-04	2.38E-04	1.17E-04
672	565432.6	4221967	0.001645	2.18E-03	7.79E-04	8.72E-04	2.38E-03	7.79E-04	2.16E-04	4.25E-04	2.55E-04	1.67E-04	2.37E-04	1.16E-04
673	565422.7	4221967	0.001638	2.17E-03	7.76E-04	8.68E-04	2.37E-03	7.76E-04	2.15E-04	4.23E-04	2.54E-04	1.66E-04	2.36E-04	1.16E-04
674	565412.8	4221967	0.001631	2.16E-03	7.73E-04	8.65E-04	2.37E-03	7.73E-04	2.14E-04	4.21E-04	2.53E-04	1.66E-04	2.35E-04	1.15E-04
675	565402.9	4221967	0.001625	2.15E-03	7.70E-04	8.62E-04	2.36E-03	7.70E-04	2.13E-04	4.20E-04	2.52E-04	1.65E-04	2.34E-04	1.15E-04
676	565393	4221967	0.001619	2.14E-03	7.67E-04	8.59E-04	2.35E-03	7.67E-04	2.13E-04	4.18E-04	2.51E-04	1.65E-04	2.33E-04	1.15E-04
677	565383.1	4221968	0.001614	2.13E-03	7.65E-04	8.56E-04	2.34E-03	7.65E-04	2.12E-04	4.17E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
678	565373.2	4221968	0.001609	2.13E-03	7.62E-04	8.53E-04	2.33E-03	7.62E-04	2.11E-04	4.16E-04	2.49E-04	1.64E-04	2.31E-04	1.14E-04
679	565363.3	4221968	0.001605	2.12E-03	7.61E-04	8.51E-04	2.33E-03	7.61E-04	2.11E-04	4.15E-04	2.49E-04	1.63E-04	2.31E-04	1.14E-04
680	565353.4	4221968	0.001603	2.12E-03	7.59E-04	8.50E-04	2.32E-03	7.59E-04	2.10E-04	4.14E-04	2.48E-04	1.63E-04	2.31E-04	1.13E-04
681	565343.5	4221968	0.0016	2.12E-03	7.58E-04	8.48E-04	2.32E-03	7.58E-04	2.10E-04	4.13E-04	2.48E-04	1.63E-04	2.30E-04	1.13E-04
682	565333.6	4221968	0.001599	2.11E-03	7.57E-04	8.48E-04	2.32E-03	7.57E-04	2.10E-04	4.13E-04	2.48E-04	1.62E-04	2.30E-04	1.13E-04
683	565323.7	4221968	0.001598	2.11E-03	7.57E-04	8.47E-04	2.32E-03	7.57E-04	2.10E-04	4.13E-04	2.48E-04	1.62E-04	2.30E-04	1.13E-04
684	565313.8	4221968	0.001597	2.11E-03	7.57E-04	8.47E-04	2.32E-03	7.57E-04	2.10E-04	4.13E-04	2.48E-04	1.62E-04	2.30E-04	1.13E-04
685	565303.9	4221968	0.001598	2.11E-03	7.57E-04	8.47E-04	2.32E-03	7.57E-04	2.10E-04	4.13E-04	2.48E-04	1.62E-04	2.30E-04	1.13E-04
686	565294	4221968	0.001599	2.11E-03	7.57E-04	8.48E-04	2.32E-03	7.57E-04	2.10E-04	4.13E-04	2.48E-04	1.62E-04	2.30E-04	1.13E-04
687	565284.1	4221968	0.0016	2.12E-03	7.58E-04	8.48E-04	2.32E-03	7.58E-04	2.10E-04	4.13E-04	2.48E-04	1.63E-04	2.30E-04	1.13E-04
688	565537.4	4221972	0.001758	2.32E-03	8.33E-04	9.32E-04	2.55E-03	8.33E-04	2.31E-04	4.54E-04	2.72E-04	1.79E-04	2.53E-04	1.24E-04
689	565546.3	4221976	0.001794	2.37E-03	8.50E-04	9.51E-04	2.60E-03	8.50E-04	2.36E-04	4.63E-04	2.78E-04	1.82E-04	2.58E-04	1.27E-04
690	565555.1	4221979	0.001831	2.42E-03	8.67E-04	9.71E-04	2.65E-03	8.67E-04	2.40E-04	4.73E-04	2.84E-04	1.86E-04	2.63E-04	1.29E-04
691	565564	4221983	0.001867	2.47E-03	8.84E-04	9.90E-04	2.71E-03	8.84E-04	2.45E-04	4.82E-04	2.89E-04	1.90E-04	2.69E-04	1.32E-04
692	565572.8	4221987	0.001903	2.52E-03	9.02E-04	1.01E-03	2.76E-03	9.02E-04	2.50E-04	4.92E-04	2.95E-04	1.93E-04	2.74E-04	1.35E-04
693	565599.4	4221998	0.002009	2.66E-03	9.52E-04	1.07E-03	2.91E-03	9.52E-04	2.64E-04	5.19E-04	3.11E-04	2.04E-04	2.89E-04	1.42E-04
694	565608.3	4222001	0.002043	2.70E-03	9.68E-04	1.08E-03	2.96E-03	9.68E-04	2.68E-04	5.28E-04	3.17E-04	2.08E-04	2.94E-04	1.45E-04
695	565617.2	4222005	0.002077	2.75E-03	9.84E-04	1.10E-03	3.01E-03	9.84E-04	2.73E-04	5.37E-04	3.22E-04	2.11E-04	2.99E-04	1.47E-04
696	565626	4222008	0.002108	2.79E-03	9.99E-04	1.12E-03	3.06E-03	9.99E-04	2.77E-04	5.45E-04	3.27E-04	2.14E-04	3.03E-04	1.49E-04
697	565634.9	4222012	0.002139	2.83E-03	1.01E-03	1.13E-03	3.10E-03	1.01E-03	2.81E-04	5.53E-04	3.32E-04	2.17E-04	3.08E-04	1.51E-04
698	565643.7	4222016	0.002169	2.87E-03	1.03E-03	1.15E-03	3.14E-03	1.03E-03	2.85E-04	5.60E-04	3.36E-04	2.20E-04	3.12E-04	1.53E-04
699	565652.6	4222019	0.002197	2.91E-03	1.04E-03	1.16E-03	3.19E-03	1.04E-03	2.89E-04	5.68E-04	3.41E-04	2.23E-04	3.16E-04	1.55E-04
700	565502	4221957	0.001615	2.14E-03	7.65E-04	8.56E-04	2.34E-03	7.65E-04	2.12E-04	4.17E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
701	565492.1	4221957	0.001608	2.13E-03	7.62E-04	8.53E-04	2.33E-03	7.62E-04	2.11E-04	4.15E-04	2.49E-04	1.63E-04	2.31E-04	1.14E-04
702	565482.1	4221957	0.001601	2.12E-03	7.59E-04	8.49E-04	2.32E-03	7.59E-04	2.10E-04	4.14E-04	2.48E-04	1.63E-04	2.30E-04	1.13E-04
703	565472.2	4221957	0.001594	2.11E-03	7.55E-04	8.45E-04	2.31E-03	7.55E-04	2.09E-04	4.12E-04	2.47E-04	1.62E-04	2.29E-04	1.13E-04
704	565462.3	4221957	0.001587	2.10E-03	7.52E-04	8.41E-04	2.30E-03	7.52E-04	2.08E-04	4.10E-04	2.46E-04	1.61E-04	2.28E-04	1.12E-04
705	565452.4	4221958	0.00158	2.09E-03	7.49E-04	8.38E-04	2.29E-03	7.49E-04	2.08E-04	4.08E-04	2.45E-04	1.61E-04	2.27E-04	1.12E-04
706	565442.5	4221958	0.001574	2.08E-03	7.46E-04	8.34E-04	2.28E-03	7.46E-04	2.07E-04	4.07E-04	2.44E-04	1.60E-04	2.26E-04	1.11E-04
707	565432.6	4221958	0.001567	2.07E-03	7.42E-04	8.31E-04	2.27E-03	7.42E-04	2.06E-04	4.05E-04	2.43E-04	1.59E-04	2.25E-04	1.11E-04
708	565422.7	4221958	0.00156	2.06E-03	7.39E-04	8.27E-04	2.26E-03	7.39E-04	2.05E-04	4.03E-04	2.42E-04	1.59E-04	2.24E-04	1.10E-04
709	565412.8	4221958	0.001554	2.05E-03	7.36E-04	8.24E-04	2.25E-03	7.36E-04	2.04E-04	4.01E-04	2.41E-04	1.58E-04	2.24E-04	1.10E-04
710	565402.9	4221958	0.001548	2.05E-03	7.33E-04	8.21E-04	2.24E-03	7.33E-04	2.03E-04	4.00E-04	2.40E-04	1.57E-04	2.23E-04	1.09E-04
711	565393	4221958	0.001542	2.04E-03	7.31E-04	8.18E-04	2.24E-03	7.31E-04	2.03E-04	3.98E-04	2.39E-04	1.57E-04	2.22E-04	1.09E-04
712	565383.1	4221958	0.001538	2.03E-03	7.28E-04	8.15E-04	2.23E-03	7.28E-04	2.02E-04	3.97E-04	2.38E-04	1.56E-04	2.21E-04	1.09E-04
713	565373.2	4221958	0.001533	2.03E-03	7.26E-04	8.13E-04	2.22E-03	7.26E-04	2.01E-04	3.96E-04	2.38E-04	1.56E-04	2.21E-04	1.08E-04
714	565363.3	4221958	0.00153	2.02E-03	7.25E-04	8.11E-04	2.22E-03	7.25E-04	2.01E-04	3.95E-04	2.37E-04	1.55E-04	2.20E-04	1.08E-04
715	565353.4	4221958	0.001527	2.02E-03	7.23E-04	8.10E-04	2.21E-03	7.23E-04	2.01E-04	3.94E-04	2.37E-04	1.55E-04	2.20E-04	1.08E-04
716	565343.5	4221958	0.001525	2.02E-03	7.22E-04	8.08E-04	2.21E-03	7.22E-04	2.00E-04	3.94E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
717	565333.6	4221958	0.001523	2.01E-03	7.22E-04	8.08E-04	2.21E-03	7.22E-04	2.00E-04	3.94E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
718	565323.7	4221958	0.001522	2.01E-03	7.21E-04	8.07E-04	2.21E-03	7.21E-04	2.00E-04	3.93E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
719	565313.8	4221958	0.001522	2.01E-03	7.21E-04	8.07E-04	2.21E-03	7.21E-04	2.00E-04	3.93E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
720	565303.9	4221958	0.001522	2.01E-03	7.21E-04	8.07E-04	2.21E-03	7.21E-04	2.00E-04	3.93E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
721	565294	4221958	0.001523	2.01E-03	7.21E-04	8.07E-04	2.21E-03	7.21E-04	2.00E-04	3.93E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
722	565284	4221958	0.001524	2.02E-03	7.22E-04	8.08E-04	2.21E-03	7.22E-04	2.00E-04	3.94E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
723	565537.1	4221962	0.001672	2.21E-03	7.92E-04	8.86E-04	2.42E-03	7.92E-04	2.20E-04	4.32E-04	2.59E-04	1.70E-04	2.41E-04	1.18E-04
724	565545.8	4221966	0.001706	2.26E-03	8.08E-04	9.04E-04	2.47E-03	8.08E-04	2.24E-04	4.41E-04	2.64E-04	1.73E-04	2.45E-04	1.21E-04
725	565554.6	4221969	0.00174	2.30E-03	8.24E-04	9.22E-04	2.52E-03	8.24E-04	2.28E-04	4.49E-04	2.70E-04	1.77E-04	2.50E-04	1.23E-04

726	565563.4	4221973	0.001773	2.35E-03	8.40E-04	9.40E-04	2.57E-03	8.40E-04	2.33E-04	4.58E-04	2.75E-04	1.80E-04	2.55E-04	1.25E-04
727	565572.2	4221976	0.001807	2.39E-03	8.56E-04	9.58E-04	2.62E-03	8.56E-04	2.37E-04	4.67E-04	2.80E-04	1.84E-04	2.60E-04	1.28E-04
728	565598.5	4221987	0.001906	2.52E-03	9.03E-04	1.01E-03	2.76E-03	9.03E-04	2.50E-04	4.92E-04	2.95E-04	1.94E-04	2.74E-04	1.35E-04
729	565607.3	4221991	0.001938	2.56E-03	9.18E-04	1.03E-03	2.81E-03	9.18E-04	2.55E-04	5.01E-04	3.00E-04	1.97E-04	2.79E-04	1.37E-04
730	565616.1	4221995	0.00197	2.61E-03	9.33E-04	1.04E-03	2.86E-03	9.33E-04	2.59E-04	5.09E-04	3.05E-04	2.00E-04	2.83E-04	1.39E-04
731	565624.8	4221998	0.002001	2.65E-03	9.48E-04	1.06E-03	2.90E-03	9.48E-04	2.63E-04	5.17E-04	3.10E-04	2.03E-04	2.88E-04	1.41E-04
732	565633.6	4222002	0.002029	2.68E-03	9.61E-04	1.08E-03	2.94E-03	9.61E-04	2.67E-04	5.24E-04	3.15E-04	2.06E-04	2.92E-04	1.44E-04
733	565642.4	4222005	0.002058	2.72E-03	9.75E-04	1.09E-03	2.98E-03	9.75E-04	2.70E-04	5.32E-04	3.19E-04	2.09E-04	2.96E-04	1.46E-04
734	565651.2	4222009	0.002085	2.76E-03	9.88E-04	1.11E-03	3.02E-03	9.88E-04	2.74E-04	5.39E-04	3.23E-04	2.12E-04	3.00E-04	1.47E-04
735	565660	4222013	0.002111	2.79E-03	1.00E-03	1.12E-03	3.06E-03	1.00E-03	2.77E-04	5.45E-04	3.27E-04	2.15E-04	3.04E-04	1.49E-04
736	565668.7	4222016	0.002136	2.82E-03	1.01E-03	1.13E-03	3.10E-03	1.01E-03	2.80E-04	5.52E-04	3.31E-04	2.17E-04	3.07E-04	1.51E-04
737	565677.5	4222020	0.002158	2.85E-03	1.02E-03	1.14E-03	3.13E-03	1.02E-03	2.83E-04	5.57E-04	3.35E-04	2.19E-04	3.10E-04	1.53E-04
738	565529.2	4221949	0.001565	2.07E-03	7.42E-04	8.30E-04	2.27E-03	7.42E-04	2.06E-04	4.04E-04	2.43E-04	1.59E-04	2.25E-04	1.11E-04
739	565538.2	4221953	0.001598	2.11E-03	7.57E-04	8.47E-04	2.32E-03	7.57E-04	2.10E-04	4.13E-04	2.48E-04	1.62E-04	2.30E-04	1.13E-04
740	565547.3	4221956	0.001631	2.16E-03	7.73E-04	8.65E-04	2.36E-03	7.73E-04	2.14E-04	4.21E-04	2.53E-04	1.66E-04	2.35E-04	1.15E-04
741	565556.4	4221960	0.001664	2.20E-03	7.88E-04	8.82E-04	2.41E-03	7.88E-04	2.19E-04	4.30E-04	2.58E-04	1.69E-04	2.39E-04	1.18E-04
742	565565.5	4221964	0.001697	2.24E-03	8.04E-04	9.00E-04	2.46E-03	8.04E-04	2.23E-04	4.38E-04	2.63E-04	1.72E-04	2.44E-04	1.20E-04
743	565574.6	4221968	0.001729	2.29E-03	8.19E-04	9.17E-04	2.51E-03	8.19E-04	2.27E-04	4.47E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
744	565601.8	4221979	0.001826	2.41E-03	8.65E-04	9.68E-04	2.65E-03	8.65E-04	2.40E-04	4.72E-04	2.83E-04	1.86E-04	2.63E-04	1.29E-04
745	565610.9	4221983	0.001857	2.46E-03	8.80E-04	9.84E-04	2.69E-03	8.80E-04	2.44E-04	4.80E-04	2.88E-04	1.89E-04	2.67E-04	1.31E-04
746	565629.1	4221990	0.001917	2.54E-03	9.08E-04	1.02E-03	2.78E-03	9.08E-04	2.52E-04	4.95E-04	2.97E-04	1.95E-04	2.76E-04	1.36E-04
747	565638.1	4221994	0.001946	2.57E-03	9.22E-04	1.03E-03	2.82E-03	9.22E-04	2.56E-04	5.03E-04	3.02E-04	1.98E-04	2.80E-04	1.38E-04
748	565647.2	4221998	0.001974	2.61E-03	9.35E-04	1.05E-03	2.86E-03	9.35E-04	2.59E-04	5.10E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04
749	565656.3	4222001	0.002	2.65E-03	9.48E-04	1.06E-03	2.90E-03	9.48E-04	2.63E-04	5.17E-04	3.10E-04	2.03E-04	2.88E-04	1.41E-04
750	565665.4	4222005	0.002026	2.68E-03	9.60E-04	1.07E-03	2.94E-03	9.60E-04	2.66E-04	5.23E-04	3.14E-04	2.06E-04	2.91E-04	1.43E-04
751	565674.5	4222009	0.00205	2.71E-03	9.71E-04	1.09E-03	2.97E-03	9.71E-04	2.69E-04	5.29E-04	3.18E-04	2.08E-04	2.95E-04	1.45E-04
752	565683.5	4222012	0.002071	2.74E-03	9.81E-04	1.10E-03	3.00E-03	9.81E-04	2.72E-04	5.35E-04	3.21E-04	2.10E-04	2.98E-04	1.46E-04
753	565692.6	4222016	0.002091	2.77E-03	9.91E-04	1.11E-03	3.03E-03	9.91E-04	2.75E-04	5.40E-04	3.24E-04	2.13E-04	3.01E-04	1.48E-04
754	565701.7	4222020	0.00211	2.79E-03	9.99E-04	1.12E-03	3.06E-03	9.99E-04	2.77E-04	5.45E-04	3.27E-04	2.14E-04	3.03E-04	1.49E-04
755	565528.9	4221939	0.001494	1.98E-03	7.08E-04	7.92E-04	2.17E-03	7.08E-04	1.96E-04	3.86E-04	2.32E-04	1.52E-04	2.15E-04	1.06E-04
756	565537.9	4221943	0.001524	2.02E-03	7.22E-04	8.08E-04	2.21E-03	7.22E-04	2.00E-04	3.94E-04	2.36E-04	1.55E-04	2.19E-04	1.08E-04
757	565546.9	4221946	0.001555	2.06E-03	7.37E-04	8.24E-04	2.25E-03	7.37E-04	2.04E-04	4.02E-04	2.41E-04	1.58E-04	2.24E-04	1.10E-04
758	565555.9	4221950	0.001586	2.10E-03	7.51E-04	8.41E-04	2.30E-03	7.51E-04	2.08E-04	4.10E-04	2.46E-04	1.61E-04	2.28E-04	1.12E-04
759	565564.8	4221954	0.001616	2.14E-03	7.66E-04	8.57E-04	2.34E-03	7.66E-04	2.12E-04	4.17E-04	2.51E-04	1.64E-04	2.32E-04	1.14E-04
760	565573.8	4221958	0.001646	2.18E-03	7.80E-04	8.73E-04	2.39E-03	7.80E-04	2.16E-04	4.25E-04	2.55E-04	1.67E-04	2.37E-04	1.16E-04
761	565600.8	4221969	0.001736	2.30E-03	8.23E-04	9.21E-04	2.52E-03	8.23E-04	2.28E-04	4.49E-04	2.69E-04	1.76E-04	2.50E-04	1.23E-04
762	565609.8	4221972	0.001766	2.33E-03	8.36E-04	9.36E-04	2.56E-03	8.36E-04	2.32E-04	4.56E-04	2.74E-04	1.79E-04	2.54E-04	1.25E-04
763	565618.8	4221976	0.001794	2.37E-03	8.50E-04	9.51E-04	2.60E-03	8.50E-04	2.36E-04	4.64E-04	2.78E-04	1.82E-04	2.58E-04	1.27E-04
764	565627.8	4221980	0.001823	2.41E-03	8.64E-04	9.66E-04	2.64E-03	8.64E-04	2.39E-04	4.71E-04	2.83E-04	1.85E-04	2.62E-04	1.29E-04
765	565636.8	4221983	0.00185	2.45E-03	8.77E-04	9.81E-04	2.68E-03	8.77E-04	2.43E-04	4.78E-04	2.87E-04	1.88E-04	2.66E-04	1.31E-04
766	565645.8	4221987	0.001877	2.48E-03	8.89E-04	9.95E-04	2.72E-03	8.89E-04	2.47E-04	4.85E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
767	565654.8	4221991	0.001903	2.52E-03	9.01E-04	1.01E-03	2.76E-03	9.01E-04	2.50E-04	4.92E-04	2.95E-04	1.93E-04	2.74E-04	1.35E-04
768	565663.8	4221995	0.001927	2.55E-03	9.13E-04	1.02E-03	2.79E-03	9.13E-04	2.53E-04	4.98E-04	2.99E-04	1.96E-04	2.77E-04	1.36E-04
769	565672.8	4221998	0.00195	2.58E-03	9.24E-04	1.03E-03	2.83E-03	9.24E-04	2.56E-04	5.04E-04	3.02E-04	1.98E-04	2.81E-04	1.38E-04
770	565681.8	4222002	0.001972	2.61E-03	9.34E-04	1.05E-03	2.86E-03	9.34E-04	2.59E-04	5.09E-04	3.06E-04	2.00E-04	2.84E-04	1.39E-04
771	565690.8	4222006	0.001992	2.63E-03	9.44E-04	1.06E-03	2.89E-03	9.44E-04	2.62E-04	5.15E-04	3.09E-04	2.02E-04	2.87E-04	1.41E-04
772	565699.7	4222009	0.002011	2.66E-03	9.53E-04	1.07E-03	2.92E-03	9.53E-04	2.64E-04	5.19E-04	3.12E-04	2.04E-04	2.89E-04	1.42E-04
773	565708.7	4222013	0.002028	2.68E-03	9.61E-04	1.08E-03	2.94E-03	9.61E-04	2.66E-04	5.24E-04	3.14E-04	2.06E-04	2.92E-04	1.43E-04
774	565537.2	4221922	0.00139	1.84E-03	6.59E-04	7.37E-04	2.02E-03	6.59E-04	1.83E-04	3.59E-04	2.15E-04	1.41E-04	2.00E-04	9.83E-05
775	565546.1	4221926	0.001416	1.87E-03	6.71E-04	7.51E-04	2.05E-03	6.71E-04	1.86E-04	3.66E-04	2.20E-04	1.44E-04	2.04E-04	1.00E-04
776	565554.9	4221930	0.001443	1.91E-03	6.84E-04	7.65E-04	2.09E-03	6.84E-04	1.90E-04	3.73E-04	2.24E-04	1.47E-04	2.08E-04	1.02E-04
777	565563.8	4221933	0.00147	1.94E-03	6.96E-04	7.79E-04	2.13E-03	6.96E-04	1.93E-04	3.80E-04	2.28E-04	1.49E-04	2.11E-04	1.04E-04
778	565572.6	4221937	0.001496	1.98E-03	7.09E-04	7.93E-04	2.17E-03	7.09E-04	1.96E-04	3.87E-04	2.32E-04	1.52E-04	2.15E-04	1.06E-04
779	565599.2	4221948	0.001575	2.08E-03	7.46E-04	8.35E-04	2.28E-03	7.46E-04	2.07E-04	4.07E-04	2.44E-04	1.60E-04	2.27E-04	1.11E-04
780	565608	4221952	0.001601	2.12E-03	7.58E-04	8.49E-04	2.32E-03	7.58E-04	2.10E-04	4.14E-04	2.48E-04	1.63E-04	2.30E-04	1.13E-04
781	565616.8	4221955	0.001626	2.15E-03	7.70E-04	8.62E-04	2.36E-03	7.70E-04	2.14E-04	4.20E-04	2.52E-04	1.65E-04	2.34E-04	1.15E-04
782	565625.7	4221959	0.001651	2.18E-03	7.82E-04	8.76E-04	2.39E-03	7.82E-04	2.17E-04	4.27E-04	2.56E-04	1.68E-04	2.38E-04	1.17E-04
783	565634.5	4221963	0.001676	2.22E-03	7.94E-04	8.89E-04	2.43E-03	7.94E-04	2.20E-04	4.33E-04	2.60E-04	1.70E-04	2.41E-04	1.19E-04
784	565643.4	4221966	0.0017	2.25E-03	8.06E-04	9.02E-04	2.47E-03	8.06E-04	2.23E-04	4.39E-04	2.64E-04	1.73E-04	2.45E-04	1.20E-04
785	565652.2	4221970	0.001724	2.28E-03	8.17E-04	9.14E-04	2.50E-03	8.17E-04	2.26E-04	4.45E-04	2.67E-04	1.75E-04	2.48E-04	1.22E-04
786	565661.1	4221973	0.001747	2.31E-03	8.28E-04	9.26E-04	2.53E-03	8.28E-04	2.29E-04	4.51E-04	2.71E-04	1.78E-04	2.51E-04	1.24E-04
787	565669.9	4221977	0.001769	2.34E-03	8.38E-04	9.38E-04	2.56E-03	8.38E-04	2.32E-04	4.57E-04	2.74E-04	1.80E-04	2.54E-04	1.25E-04
788	565678.8	4221981	0.001789	2.37E-03	8.48E-04	9.49E-04	2.59E-03	8.48E-04	2.35E-04	4.62E-04	2.77E-04	1.82E-04	2.57E-04	1.27E-04
789	565687.6	4221984	0.001809	2.39E-03	8.57E-04	9.59E-04	2.62E-03	8.57E-04	2.38E-04	4.67E-04	2.80E-04	1.84E-04	2.60E-04	1.28E-04
790	565696.5	4221988	0.001828	2.42E-03	8.66E-04	9.69E-04	2.65E-03	8.66E-04	2.40E-04	4.72E-04	2.83E-04	1.86E-04	2.63E-04	1.29E-04
791	565705.3	4221992	0.001845	2.44E-03	8.74E-04	9.78E-04	2.68E-03	8.74E-04	2.42E-04	4.77E-04	2.86E-04	1.88E-04	2.65E-04	1.31E-04
792	565714.2	4221995	0.001862	2.46E-03	8.82E-04	9.87E-04	2.70E-03	8.82E-04	2.44E-04	4.81E-04	2.89E-04	1.89E-04	2.68E-04	1.32E-04
793	565723	4221999	0.001876	2.48E-03	8.89E-04	9.95E-04	2.72E-03	8.89E-04	2.46E-04	4.85E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
794	565735.5	4222011	0.001956	2.59E-03	9.27E-04	1.04E-03	2.84E-03	9.27E-04	2.57E-04	5.05E-04	3.03E-04	1.99E-04	2.81E-04	1.38E-04
795	565739.2	4222020	0.002024	2.68E-03	9.59E-04	1.07E-03	2.93E-03	9.59E-04	2.66E-04	5.23E-04	3.14E-04	2.06E-04	2.91E-04	1.43E-04
796	565538	4221903	0.001278	1.69E-03	6.05E-04	6.77E-04	1.85E-03	6.05E-04	1.68E-04	3.30E-04	1.98E-04	1.30E-04	1.84E-04	9.04E-05
797	565547	4221907	0.001301	1.72E-03	6.17E-04	6.90E-04	1.89E-03	6.17E-04	1.71E-04	3.36E-04	2.02E-04	1.32E-04	1.87E-04	9.20E-05
798	565556.1	4221910	0.001325	1.75E-03	6.28E-04	7.03E-04	1.92E-03	6.28E-04	1.74E-04	3.42E-04	2.05E-04	1.35E-04	1.91E-04	9.37E-05
799	565565.1	4221914	0.001349	1.78E-03	6.39E-04	7.15E-04	1.96E-03	6.39E-04	1.77E-04	3.49E-04	2.09E-04	1.37E-04	1.94E-04	9.54E-05
800	565574.1	4221918	0.001374	1.82E-03	6.51E-04	7.28E-04	1.99E-03	6.51E-04	1.80E-04	3.55E-04	2.13E-04	1.40E-04	1.98E-04	9.71E-05
801	565637.4	4221944	0.001538	2.03E-03	7.29E-04	8.15E-04	2.23E-03	7.29E-04	2.02E-04	3.97E-04	2.38E-04	1.56E-04	2.21E-04	1.09E-04
802	565646.5	4221947	0.001561	2.06E-03	7.39E-04	8.27E-04	2.26E-03	7.39E-04	2.05E-04	4.03E-04	2.42E-04	1.59E-04	2.24E-04	1.10E-04
803	565655.5	4221951	0.001582	2.09E-03	7.50E-04	8.39E-04	2.29E-03	7.50E-04	2.08E-04	4.09E-04	2.45E-04	1.61E-04	2.28E-04	1.12E-04
804	565664.6	4221955	0.001604	2.12E-03	7.60E-04	8.50E-04	2.32E-03	7.60E-04	2.11E-04	4.14E-04	2.49E-04	1.63E-04	2.31E-04	1.13E-04
805	565673.6	4221959	0.001624	2.15E-03	7.69E-04	8.61E-04	2.35E-03	7.69E-04	2.13E-04	4.20E-04	2.52E-04	1.65E-04	2.34E-04	1.15E-04
806	565682.7	4221962	0.001644	2.17E-03	7.79E-04	8.72E-04	2.38E-03	7.79E-04	2.16E-04	4.25E-04	2.55E-04	1.67E-04	2.36E-04	1.16E-04
807	565691.7	4221966	0.001663	2.20E-03	7.88E-04	8.82E-04	2.41E-03	7.88E-04	2.18E-04	4.30E-04	2.58E-04	1.69E-04	2.39E-04	1.18E-04
808	565700.7	4221970	0.001681	2.22E-03	7.96E-04	8.91E-04	2.44E-03	7.96E-04	2.21E-04	4.34E-04	2.61E-04	1.71E-04	2.42E-04	1.19E-04
809	565709.8	4221973	0.001698	2.25E-03	8.04E-04	9.00E-04	2.46E-03	8.04E-04	2.23E-04	4.39E-04	2.63E-04	1.73E-04	2.44E-04	1.20E-04
810	565718.8	4221977	0.001714	2.27E-03	8.12E-04	9.09E-04	2.48E-03	8.12E-04	2.25E-04	4.43E-04	2.66E-04	1.74E-04	2.47E-04	1.21E-04
811	565727.9	4221981	0.001729	2.29E-03	8.19E-04	9.17E-04	2.51E-03	8.19E-04	2.27E-04	4.47E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
812	565736.9	4221985	0.001743	2.30E-03	8.26E-04	9.24E-04	2.53E-03	8.26E-04	2.29E-04	4.50E-04	2.70E-04	1.77E-04	2.51E-04	1.23E-04
813	565749.7	4221997	0.001815	2.40E-03	8.60E-04	9.63E-04	2.63E-03	8.60E-04	2.38E-04	4.69E-04	2.81E-04	1.84E-04	2.61E-04	1.28E-04
814	565753.5	4222006	0.001877	2.48E-03	8.89E-04	9.95E-04	2.72E-03	8.89E-04	2.47E-04	4.85E-04	2.91E-04	1.91E-04	2.70E-04	1.33E-04
815	565757.2	4222015	0.001941	2.57E-03	9.19E-04	1.03E-03	2.81E-03	9.19E-04	2.55E-04	5.01E-04	3.01E-04	1.97E-04	2.79E-04	1.37E-04
816	565537.4	4221883	0.001176	1.56E-03	5.57E-04	6.24E-04	1.71E-03	5.57E-04	1.54E-04	3.04E-04	1.82E-04	1.20E-04	1.69E-04	8.32E-05

817	565546.3	4221886	0.001197	1.58E-03	5.67E-04	6.35E-04	1.74E-03	5.67E-04	1.57E-04	3.09E-04	1.86E-04	1.22E-04	1.72E-04	8.46E-05
818	565555.2	4221890	0.001218	1.61E-03	5.77E-04	6.46E-04	1.77E-03	5.77E-04	1.60E-04	3.15E-04	1.89E-04	1.24E-04	1.75E-04	8.61E-05
819	565564.1	4221894	0.001239	1.64E-03	5.87E-04	6.57E-04	1.80E-03	5.87E-04	1.63E-04	3.20E-04	1.92E-04	1.26E-04	1.78E-04	8.76E-05
820	565573	4221897	0.00126	1.67E-03	5.97E-04	6.68E-04	1.83E-03	5.97E-04	1.66E-04	3.26E-04	1.95E-04	1.28E-04	1.81E-04	8.91E-05
821	565671	4221938	0.001484	1.96E-03	7.03E-04	7.87E-04	2.15E-03	7.03E-04	1.95E-04	3.83E-04	2.30E-04	1.51E-04	2.13E-04	1.05E-04
822	565679.9	4221941	0.001502	1.99E-03	7.12E-04	7.97E-04	2.18E-03	7.12E-04	1.97E-04	3.88E-04	2.33E-04	1.53E-04	2.16E-04	1.06E-04
823	565688.8	4221945	0.00152	2.01E-03	7.20E-04	8.06E-04	2.20E-03	7.20E-04	2.00E-04	3.93E-04	2.36E-04	1.54E-04	2.19E-04	1.08E-04
824	565697.7	4221949	0.001538	2.03E-03	7.28E-04	8.15E-04	2.23E-03	7.28E-04	2.02E-04	3.97E-04	2.38E-04	1.56E-04	2.21E-04	1.09E-04
825	565706.6	4221952	0.001554	2.06E-03	7.36E-04	8.24E-04	2.25E-03	7.36E-04	2.04E-04	4.01E-04	2.41E-04	1.58E-04	2.24E-04	1.10E-04
826	565715.5	4221956	0.00157	2.08E-03	7.44E-04	8.32E-04	2.28E-03	7.44E-04	2.06E-04	4.06E-04	2.43E-04	1.60E-04	2.26E-04	1.11E-04
827	565724.4	4221960	0.001585	2.10E-03	7.51E-04	8.40E-04	2.30E-03	7.51E-04	2.08E-04	4.09E-04	2.46E-04	1.61E-04	2.28E-04	1.12E-04
828	565733.3	4221963	0.001599	2.11E-03	7.57E-04	8.48E-04	2.32E-03	7.57E-04	2.10E-04	4.13E-04	2.48E-04	1.62E-04	2.30E-04	1.13E-04
829	565742.2	4221967	0.001612	2.13E-03	7.64E-04	8.55E-04	2.34E-03	7.64E-04	2.12E-04	4.16E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
830	565751.2	4221971	0.001624	2.15E-03	7.69E-04	8.61E-04	2.35E-03	7.69E-04	2.13E-04	4.19E-04	2.52E-04	1.65E-04	2.34E-04	1.15E-04
831	565763.8	4221983	0.001688	2.23E-03	8.00E-04	8.95E-04	2.45E-03	8.00E-04	2.22E-04	4.36E-04	2.62E-04	1.72E-04	2.43E-04	1.19E-04
832	565767.5	4221992	0.001743	2.30E-03	8.26E-04	9.24E-04	2.53E-03	8.26E-04	2.29E-04	4.50E-04	2.70E-04	1.77E-04	2.51E-04	1.23E-04
833	565771.2	4222001	0.001798	2.38E-03	8.52E-04	9.54E-04	2.61E-03	8.52E-04	2.36E-04	4.65E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
834	565774.9	4222010	0.001855	2.45E-03	8.79E-04	9.84E-04	2.69E-03	8.79E-04	2.44E-04	4.79E-04	2.88E-04	1.89E-04	2.67E-04	1.31E-04
835	565778.6	4222019	0.001913	2.53E-03	9.06E-04	1.01E-03	2.77E-03	9.06E-04	2.51E-04	4.94E-04	2.97E-04	1.94E-04	2.75E-04	1.35E-04
836	565538	4221863	0.001089	1.44E-03	5.16E-04	5.77E-04	1.58E-03	5.16E-04	1.43E-04	2.81E-04	1.69E-04	1.11E-04	1.57E-04	7.70E-05
837	565547.1	4221867	0.001108	1.47E-03	5.25E-04	5.88E-04	1.61E-03	5.25E-04	1.46E-04	2.86E-04	1.72E-04	1.13E-04	1.59E-04	7.84E-05
838	565556.2	4221870	0.001127	1.49E-03	5.34E-04	5.98E-04	1.63E-03	5.34E-04	1.48E-04	2.91E-04	1.75E-04	1.15E-04	1.62E-04	7.97E-05
839	565565.3	4221874	0.001147	1.52E-03	5.43E-04	6.08E-04	1.66E-03	5.43E-04	1.51E-04	2.96E-04	1.78E-04	1.17E-04	1.65E-04	8.11E-05
840	565574.4	4221878	0.001166	1.54E-03	5.52E-04	6.18E-04	1.69E-03	5.52E-04	1.53E-04	3.01E-04	1.81E-04	1.18E-04	1.68E-04	8.25E-05
841	565719.7	4221938	0.001453	1.92E-03	6.88E-04	7.70E-04	2.11E-03	6.88E-04	1.91E-04	3.75E-04	2.25E-04	1.48E-04	2.09E-04	1.03E-04
842	565728.8	4221941	0.001467	1.94E-03	6.95E-04	7.78E-04	2.13E-03	6.95E-04	1.93E-04	3.79E-04	2.27E-04	1.49E-04	2.11E-04	1.04E-04
843	565737.8	4221945	0.001481	1.96E-03	7.02E-04	7.85E-04	2.15E-03	7.02E-04	1.94E-04	3.83E-04	2.30E-04	1.50E-04	2.13E-04	1.05E-04
844	565746.9	4221949	0.001494	1.98E-03	7.08E-04	7.92E-04	2.17E-03	7.08E-04	1.96E-04	3.86E-04	2.32E-04	1.52E-04	2.15E-04	1.06E-04
845	565756	4221953	0.001505	1.99E-03	7.13E-04	7.98E-04	2.18E-03	7.13E-04	1.98E-04	3.89E-04	2.33E-04	1.53E-04	2.17E-04	1.06E-04
846	565765.1	4221956	0.001517	2.01E-03	7.18E-04	8.04E-04	2.20E-03	7.18E-04	1.99E-04	3.92E-04	2.35E-04	1.54E-04	2.18E-04	1.07E-04
847	565781.7	4221978	0.001625	2.15E-03	7.70E-04	8.62E-04	2.36E-03	7.70E-04	2.13E-04	4.20E-04	2.52E-04	1.65E-04	2.34E-04	1.15E-04
848	565785.5	4221987	0.001677	2.22E-03	7.94E-04	8.89E-04	2.43E-03	7.94E-04	2.20E-04	4.33E-04	2.60E-04	1.70E-04	2.41E-04	1.19E-04
849	565789.3	4221996	0.001729	2.29E-03	8.19E-04	9.17E-04	2.51E-03	8.19E-04	2.27E-04	4.47E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
850	565793.1	4222005	0.001782	2.36E-03	8.44E-04	9.45E-04	2.58E-03	8.44E-04	2.34E-04	4.60E-04	2.76E-04	1.81E-04	2.56E-04	1.26E-04
851	565537.5	4221843	0.00101	1.34E-03	4.78E-04	5.35E-04	1.46E-03	4.78E-04	1.33E-04	2.61E-04	1.57E-04	1.03E-04	1.45E-04	7.14E-05
852	565546.5	4221846	0.001027	1.36E-03	4.86E-04	5.44E-04	1.49E-03	4.86E-04	1.35E-04	2.65E-04	1.59E-04	1.04E-04	1.48E-04	7.26E-05
853	565555.4	4221850	0.001044	1.38E-03	4.94E-04	5.53E-04	1.51E-03	4.94E-04	1.37E-04	2.70E-04	1.62E-04	1.06E-04	1.50E-04	7.38E-05
854	565564.4	4221854	0.001061	1.40E-03	5.02E-04	5.62E-04	1.54E-03	5.02E-04	1.39E-04	2.74E-04	1.64E-04	1.08E-04	1.53E-04	7.50E-05
855	565573.3	4221857	0.001078	1.43E-03	5.11E-04	5.71E-04	1.56E-03	5.11E-04	1.42E-04	2.78E-04	1.67E-04	1.10E-04	1.55E-04	7.62E-05
856	565761.4	4221935	0.001401	1.85E-03	6.64E-04	7.43E-04	2.03E-03	6.64E-04	1.84E-04	3.62E-04	2.17E-04	1.42E-04	2.01E-04	9.90E-05
857	565538.1	4221823	0.000941	1.24E-03	4.46E-04	4.99E-04	1.36E-03	4.46E-04	1.24E-04	2.43E-04	1.46E-04	9.56E-05	1.35E-04	6.66E-05
858	565547.2	4221827	0.000956	1.26E-03	4.53E-04	5.07E-04	1.39E-03	4.53E-04	1.26E-04	2.47E-04	1.48E-04	9.72E-05	1.38E-04	6.76E-05
859	565556.3	4221830	0.000972	1.29E-03	4.60E-04	5.15E-04	1.41E-03	4.60E-04	1.28E-04	2.51E-04	1.51E-04	9.88E-05	1.40E-04	6.87E-05
860	565565.4	4221834	0.000988	1.31E-03	4.68E-04	5.24E-04	1.43E-03	4.68E-04	1.30E-04	2.55E-04	1.53E-04	1.00E-04	1.42E-04	6.99E-05
861	565574.5	4221838	0.001004	1.33E-03	4.75E-04	5.32E-04	1.45E-03	4.75E-04	1.32E-04	2.59E-04	1.56E-04	1.02E-04	1.44E-04	7.10E-05
862	565855.5	4222059	0.001919	2.54E-03	9.09E-04	1.02E-03	2.78E-03	9.09E-04	2.52E-04	4.96E-04	2.98E-04	1.95E-04	2.76E-04	1.36E-04
863	565859.3	4222068	0.001966	2.60E-03	9.31E-04	1.04E-03	2.85E-03	9.31E-04	2.58E-04	5.08E-04	3.05E-04	2.00E-04	2.83E-04	1.39E-04
864	565863.1	4222077	0.002015	2.66E-03	9.54E-04	1.07E-03	2.92E-03	9.54E-04	2.65E-04	5.20E-04	3.12E-04	2.05E-04	2.90E-04	1.42E-04
865	565866.9	4222086	0.002063	2.73E-03	9.77E-04	1.09E-03	2.99E-03	9.77E-04	2.71E-04	5.33E-04	3.20E-04	2.10E-04	2.97E-04	1.46E-04
866	565870.7	4222095	0.00211	2.79E-03	1.00E-03	1.12E-03	3.06E-03	1.00E-03	2.77E-04	5.45E-04	3.27E-04	2.14E-04	3.04E-04	1.49E-04
867	565874.5	4222105	0.002154	2.85E-03	1.02E-03	1.14E-03	3.12E-03	1.02E-03	2.83E-04	5.57E-04	3.34E-04	2.19E-04	3.10E-04	1.52E-04
868	565537.6	4221803	0.000878	1.16E-03	4.16E-04	4.66E-04	1.27E-03	4.16E-04	1.15E-04	2.27E-04	1.36E-04	8.93E-05	1.26E-04	6.21E-05
869	565546.6	4221806	0.000892	1.18E-03	4.23E-04	4.73E-04	1.29E-03	4.23E-04	1.17E-04	2.30E-04	1.38E-04	9.06E-05	1.28E-04	6.31E-05
870	565555.6	4221810	0.000906	1.20E-03	4.29E-04	4.80E-04	1.31E-03	4.29E-04	1.19E-04	2.34E-04	1.40E-04	9.20E-05	1.30E-04	6.41E-05
871	565564.6	4221814	0.00092	1.22E-03	4.36E-04	4.88E-04	1.33E-03	4.36E-04	1.21E-04	2.38E-04	1.43E-04	9.35E-05	1.32E-04	6.50E-05
872	565573.6	4221818	0.000934	1.24E-03	4.42E-04	4.95E-04	1.35E-03	4.42E-04	1.23E-04	2.41E-04	1.45E-04	9.49E-05	1.34E-04	6.60E-05
873	565582.6	4221821	0.000948	1.25E-03	4.49E-04	5.03E-04	1.37E-03	4.49E-04	1.25E-04	2.45E-04	1.47E-04	9.64E-05	1.36E-04	6.71E-05
874	565846.5	4221989	0.001572	2.08E-03	7.45E-04	8.33E-04	2.28E-03	7.45E-04	2.06E-04	4.06E-04	2.44E-04	1.60E-04	2.26E-04	1.11E-04
875	565850.2	4221998	0.001613	2.13E-03	7.64E-04	8.55E-04	2.34E-03	7.64E-04	2.12E-04	4.17E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
876	565853.9	4222007	0.00161	2.13E-03	7.63E-04	8.54E-04	2.33E-03	7.63E-04	2.11E-04	4.16E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
877	565857.7	4222016	0.001652	2.19E-03	7.83E-04	8.76E-04	2.40E-03	7.83E-04	2.17E-04	4.27E-04	2.56E-04	1.68E-04	2.38E-04	1.17E-04
878	565872.7	4222052	0.001822	2.41E-03	8.63E-04	9.66E-04	2.64E-03	8.63E-04	2.39E-04	4.71E-04	2.82E-04	1.85E-04	2.62E-04	1.29E-04
879	565876.4	4222061	0.001865	2.47E-03	8.83E-04	9.89E-04	2.70E-03	8.83E-04	2.45E-04	4.82E-04	2.89E-04	1.90E-04	2.68E-04	1.32E-04
880	565880.2	4222070	0.001908	2.52E-03	9.04E-04	1.01E-03	2.77E-03	9.04E-04	2.51E-04	4.93E-04	2.96E-04	1.94E-04	2.75E-04	1.35E-04
881	565883.9	4222079	0.001952	2.58E-03	9.25E-04	1.03E-03	2.83E-03	9.25E-04	2.56E-04	5.04E-04	3.03E-04	1.98E-04	2.81E-04	1.38E-04
882	565887.6	4222088	0.001993	2.64E-03	9.44E-04	1.06E-03	2.89E-03	9.44E-04	2.62E-04	5.15E-04	3.09E-04	2.03E-04	2.87E-04	1.41E-04
883	565891.4	4222097	0.002033	2.69E-03	9.63E-04	1.08E-03	2.95E-03	9.63E-04	2.67E-04	5.25E-04	3.15E-04	2.07E-04	2.92E-04	1.44E-04
884	565895.1	4222106	0.00207	2.74E-03	9.81E-04	1.10E-03	3.00E-03	9.81E-04	2.72E-04	5.35E-04	3.21E-04	2.10E-04	2.98E-04	1.46E-04
885	565898.9	4222115	0.002107	2.79E-03	9.98E-04	1.12E-03	3.05E-03	9.98E-04	2.77E-04	5.44E-04	3.27E-04	2.14E-04	3.03E-04	1.49E-04
886	565902.6	4222124	0.002143	2.83E-03	1.02E-03	1.14E-03	3.11E-03	1.02E-03	2.81E-04	5.54E-04	3.32E-04	2.18E-04	3.08E-04	1.52E-04
887	565906.4	4222133	0.00218	2.88E-03	1.03E-03	1.16E-03	3.16E-03	1.03E-03	2.86E-04	5.63E-04	3.38E-04	2.22E-04	3.14E-04	1.54E-04
888	565538.1	4221783	0.000823	1.09E-03	3.90E-04	4.36E-04	1.19E-03	3.90E-04	1.08E-04	2.13E-04	1.28E-04	8.37E-05	1.18E-04	5.82E-05
889	565547.2	4221787	0.000836	1.11E-03	3.96E-04	4.43E-04	1.21E-03	3.96E-04	1.10E-04	2.16E-04	1.30E-04	8.49E-05	1.20E-04	5.91E-05
890	565556.4	4221790	0.000849	1.12E-03	4.02E-04	4.50E-04	1.23E-03	4.02E-04	1.11E-04	2.19E-04	1.32E-04	8.62E-05	1.22E-04	6.00E-05
891	565565.5	4221794	0.000862	1.14E-03	4.08E-04	4.57E-04	1.25E-03	4.08E-04	1.13E-04	2.23E-04	1.34E-04	8.76E-05	1.24E-04	6.09E-05
892	565574.7	4221798	0.000875	1.16E-03	4.14E-04	4.64E-04	1.27E-03	4.14E-04	1.15E-04	2.26E-04	1.36E-04	8.89E-05	1.26E-04	6.19E-05
893	565583.8	4221802	0.000888	1.17E-03	4.21E-04	4.71E-04	1.29E-03	4.21E-04	1.17E-04	2.29E-04	1.38E-04	9.02E-05	1.28E-04	6.28E-05
894	565864.8	4221985	0.001471	1.95E-03	6.97E-04	7.80E-04	2.13E-03	6.97E-04	1.93E-04	3.80E-04	2.28E-04	1.49E-04	2.12E-04	1.04E-04
895	565868.7	4221995	0.001509	2.00E-03	7.15E-04	8.00E-04	2.19E-03	7.15E-04	1.98E-04	3.90E-04	2.34E-04	1.53E-04	2.17E-04	1.07E-04
896	565872.5	4222004	0.001547	2.05E-03	7.33E-04	8.20E-04	2.24E-03	7.33E-04	2.03E-04	4.00E-04	2.40E-04	1.57E-04	2.22E-04	1.09E-04
897	565876.3	4222013	0.001586	2.10E-03	7.51E-04	8.41E-04	2.30E-03	7.51E-04	2.08E-04	4.10E-04	2.46E-04	1.61E-04	2.28E-04	1.12E-04
898	565880.1	4222022	0.001626	2.15E-03	7.70E-04	8.62E-04	2.36E-03	7.70E-04	2.13E-04	4.20E-04	2.52E-04	1.65E-04	2.34E-04	1.15E-04
899	565883.9	4222031	0.001666	2.20E-03	7.89E-04	8.83E-04	2.41E-03	7.89E-04	2.19E-04	4.30E-04	2.58E-04	1.69E-04	2.40E-04	1.18E-04
900	565887.7	4222040	0.001706	2.26E-03	8.08E-04	9.04E-04	2.47E-03	8.08E-04	2.24E-04	4.41E-04	2.64E-04	1.73E-04	2.45E-04	1.21E-04
901	565891.5	4222049	0.001746	2.31E-03	8.27E-04	9.26E-04	2.53E-03	8.27E-04	2.29E-04	4.51E-04	2.71E-04	1.77E-04	2.51E-04	1.23E-04
902	565895.3	4222058	0.001786	2.36E-03	8.46E-04	9.47E-04	2.59E-03	8.46E-04	2.35E-04	4.61E-04	2.77E-04	1.81E-04	2.57E-04	1.26E-04
903	565899.1	4222068	0.001825	2.41E-03	8.65E-04	9.68E-04	2.65E-03	8.65E-04	2.40E-04	4.71E-04	2.83E-04	1.85E-04	2.63E-04	1.29E-04
904	565902.9	4222077	0.001864	2.46E-03	8.83E-04	9.88E-04	2.70E-03	8.83E-04	2.45E-04	4.81E-04	2.89E-04	1.89E-04	2.68E-04	1.32E-04
905	565906.7	4222086	0.001902	2.51E-03	9.01E-04	1.01E-03	2.76E-03	9.01E-04	2.50E-04	4.91E-04	2.95E-04	1.93E-04	2.74E-04	1.34E-04
906	565910.5	4222095	0.001939	2.56E-03	9.19E-04	1.03E-03	2.81E-03	9.19E-04	2.55E-04	5.01E-04	3.01E-04	1.97E-04	2.79E-04	1.37E-04
907	565914.3	4222104	0.001975	2.61E-03	9.36E-04	1.05E-03	2.86E-03	9.36E-04	2.59E-04	5.10E-04	3.06E-04	2.01E-04	2.84E-04	1.40E-04

908	565918.1	4222113	0.002009	2.66E-03	9.52E-04	1.07E-03	2.91E-03	9.52E-04	2.64E-04	5.19E-04	3.11E-04	2.04E-04	2.89E-04	1.42E-04
909	565921.9	4222122	0.002043	2.70E-03	9.68E-04	1.08E-03	2.96E-03	9.68E-04	2.68E-04	5.28E-04	3.17E-04	2.08E-04	2.94E-04	1.44E-04
910	565886.1	4221988	0.001446	1.91E-03	6.85E-04	7.66E-04	2.10E-03	6.85E-04	1.90E-04	3.73E-04	2.24E-04	1.47E-04	2.08E-04	1.02E-04
911	565889.8	4221997	0.001479	1.96E-03	7.01E-04	7.84E-04	2.14E-03	7.01E-04	1.94E-04	3.82E-04	2.29E-04	1.50E-04	2.13E-04	1.05E-04
912	565893.6	4222006	0.001514	2.00E-03	7.17E-04	8.03E-04	2.20E-03	7.17E-04	1.99E-04	3.91E-04	2.35E-04	1.54E-04	2.18E-04	1.07E-04
913	565897.3	4222015	0.001551	2.05E-03	7.35E-04	8.22E-04	2.25E-03	7.35E-04	2.04E-04	4.01E-04	2.40E-04	1.58E-04	2.23E-04	1.10E-04
914	565901.1	4222024	0.001586	2.10E-03	7.51E-04	8.41E-04	2.30E-03	7.51E-04	2.08E-04	4.10E-04	2.46E-04	1.61E-04	2.28E-04	1.12E-04
915	565904.9	4222033	0.001621	2.14E-03	7.68E-04	8.59E-04	2.35E-03	7.68E-04	2.13E-04	4.19E-04	2.51E-04	1.65E-04	2.33E-04	1.15E-04
916	565908.6	4222042	0.001656	2.19E-03	7.85E-04	8.78E-04	2.40E-03	7.85E-04	2.17E-04	4.28E-04	2.57E-04	1.68E-04	2.38E-04	1.17E-04
917	565912.4	4222051	0.001692	2.24E-03	8.02E-04	8.97E-04	2.45E-03	8.02E-04	2.22E-04	4.37E-04	2.62E-04	1.72E-04	2.43E-04	1.20E-04
918	565916.1	4222060	0.001728	2.29E-03	8.19E-04	9.16E-04	2.50E-03	8.19E-04	2.27E-04	4.46E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
919	565919.9	4222069	0.001763	2.33E-03	8.35E-04	9.35E-04	2.56E-03	8.35E-04	2.31E-04	4.55E-04	2.73E-04	1.79E-04	2.54E-04	1.25E-04
920	565923.7	4222078	0.001797	2.38E-03	8.51E-04	9.53E-04	2.61E-03	8.51E-04	2.36E-04	4.64E-04	2.79E-04	1.83E-04	2.59E-04	1.27E-04
921	565927.4	4222087	0.001831	2.42E-03	8.67E-04	9.71E-04	2.65E-03	8.67E-04	2.40E-04	4.73E-04	2.84E-04	1.86E-04	2.63E-04	1.29E-04
922	565931.2	4222096	0.001863	2.46E-03	8.83E-04	9.88E-04	2.70E-03	8.83E-04	2.45E-04	4.81E-04	2.89E-04	1.89E-04	2.68E-04	1.32E-04
923	565934.9	4222106	0.001895	2.51E-03	8.98E-04	1.00E-03	2.75E-03	8.98E-04	2.49E-04	4.90E-04	2.94E-04	1.93E-04	2.73E-04	1.34E-04
924	565590.8	4221765	0.000789	1.04E-03	3.74E-04	4.18E-04	1.14E-03	3.74E-04	1.04E-04	2.04E-04	1.22E-04	8.02E-05	1.13E-04	5.58E-05
925	565599.7	4221768	0.0008	1.06E-03	3.79E-04	4.24E-04	1.16E-03	3.79E-04	1.05E-04	2.07E-04	1.24E-04	8.13E-05	1.15E-04	5.66E-05
926	565608.7	4221772	0.00081	1.07E-03	3.84E-04	4.30E-04	1.17E-03	3.84E-04	1.06E-04	2.09E-04	1.26E-04	8.24E-05	1.17E-04	5.73E-05
927	565617.6	4221776	0.000821	1.09E-03	3.89E-04	4.35E-04	1.19E-03	3.89E-04	1.08E-04	2.12E-04	1.27E-04	8.34E-05	1.18E-04	5.81E-05
928	565626.5	4221779	0.000831	1.10E-03	3.94E-04	4.41E-04	1.21E-03	3.94E-04	1.09E-04	2.15E-04	1.29E-04	8.45E-05	1.20E-04	5.88E-05
929	565907.2	4221991	0.001417	1.87E-03	6.71E-04	7.51E-04	2.05E-03	6.71E-04	1.86E-04	3.66E-04	2.20E-04	1.44E-04	2.04E-04	1.00E-04
930	565910.9	4222000	0.00145	1.92E-03	6.87E-04	7.69E-04	2.10E-03	6.87E-04	1.90E-04	3.75E-04	2.25E-04	1.47E-04	2.09E-04	1.03E-04
931	565914.6	4222009	0.001483	1.96E-03	7.03E-04	7.86E-04	2.15E-03	7.03E-04	1.95E-04	3.83E-04	2.30E-04	1.51E-04	2.13E-04	1.05E-04
932	565918.3	4222018	0.001514	2.00E-03	7.17E-04	8.03E-04	2.20E-03	7.17E-04	1.99E-04	3.91E-04	2.35E-04	1.54E-04	2.18E-04	1.07E-04
933	565922	4222027	0.001546	2.04E-03	7.32E-04	8.19E-04	2.24E-03	7.32E-04	2.03E-04	3.99E-04	2.40E-04	1.57E-04	2.22E-04	1.09E-04
934	565925.8	4222035	0.001578	2.09E-03	7.47E-04	8.36E-04	2.29E-03	7.47E-04	2.07E-04	4.08E-04	2.45E-04	1.60E-04	2.27E-04	1.12E-04
935	565929.5	4222044	0.00161	2.13E-03	7.63E-04	8.54E-04	2.33E-03	7.63E-04	2.11E-04	4.16E-04	2.50E-04	1.64E-04	2.32E-04	1.14E-04
936	565944.4	4222080	0.001732	2.29E-03	8.20E-04	9.18E-04	2.51E-03	8.20E-04	2.27E-04	4.47E-04	2.68E-04	1.76E-04	2.49E-04	1.22E-04
937	565948.1	4222089	0.001762	2.33E-03	8.35E-04	9.34E-04	2.55E-03	8.35E-04	2.31E-04	4.55E-04	2.73E-04	1.79E-04	2.53E-04	1.25E-04
938	565546.7	4221727	0.000694	9.18E-04	3.29E-04	3.68E-04	1.01E-03	3.29E-04	9.12E-05	1.79E-04	1.08E-04	7.06E-05	9.99E-05	4.91E-05
939	565555.8	4221730	0.000704	9.31E-04	3.33E-04	3.73E-04	1.02E-03	3.33E-04	9.24E-05	1.82E-04	1.09E-04	7.15E-05	1.01E-04	4.98E-05
940	565564.8	4221734	0.000714	9.44E-04	3.38E-04	3.78E-04	1.03E-03	3.38E-04	9.37E-05	1.84E-04	1.11E-04	7.25E-05	1.03E-04	5.05E-05
941	565573.9	4221738	0.000723	9.57E-04	3.43E-04	3.84E-04	1.05E-03	3.43E-04	9.50E-05	1.87E-04	1.12E-04	7.35E-05	1.04E-04	5.12E-05
942	565583	4221741	0.000733	9.70E-04	3.47E-04	3.89E-04	1.06E-03	3.47E-04	9.63E-05	1.89E-04	1.14E-04	7.45E-05	1.05E-04	5.19E-05
943	565592	4221745	0.000743	9.83E-04	3.52E-04	3.94E-04	1.08E-03	3.52E-04	9.76E-05	1.92E-04	1.15E-04	7.55E-05	1.07E-04	5.26E-05
944	565601.1	4221749	0.000753	9.96E-04	3.57E-04	3.99E-04	1.09E-03	3.57E-04	9.89E-05	1.95E-04	1.17E-04	7.65E-05	1.08E-04	5.33E-05
945	565610.1	4221753	0.000763	1.01E-03	3.62E-04	4.05E-04	1.11E-03	3.62E-04	1.00E-04	1.97E-04	1.18E-04	7.76E-05	1.10E-04	5.40E-05
946	565619.2	4221756	0.000773	1.02E-03	3.66E-04	4.10E-04	1.12E-03	3.66E-04	1.02E-04	2.00E-04	1.20E-04	7.86E-05	1.11E-04	5.47E-05
947	565628.3	4221760	0.000783	1.03E-03	3.71E-04	4.15E-04	1.13E-03	3.71E-04	1.03E-04	2.02E-04	1.21E-04	7.95E-05	1.13E-04	5.53E-05
948	565682.6	4221782	0.000841	1.11E-03	3.98E-04	4.46E-04	1.22E-03	3.98E-04	1.10E-04	2.17E-04	1.30E-04	8.54E-05	1.21E-04	5.95E-05
949	565691.7	4221786	0.00085	1.12E-03	4.03E-04	4.51E-04	1.23E-03	4.03E-04	1.12E-04	2.20E-04	1.32E-04	8.64E-05	1.22E-04	6.01E-05
950	565700.8	4221790	0.00086	1.14E-03	4.07E-04	4.56E-04	1.25E-03	4.07E-04	1.13E-04	2.22E-04	1.33E-04	8.74E-05	1.24E-04	6.08E-05
951	565709.8	4221794	0.000869	1.15E-03	4.12E-04	4.61E-04	1.26E-03	4.12E-04	1.14E-04	2.25E-04	1.35E-04	8.83E-05	1.25E-04	6.15E-05
952	565937	4222015	0.001458	1.93E-03	6.91E-04	7.73E-04	2.11E-03	6.91E-04	1.91E-04	3.77E-04	2.26E-04	1.48E-04	2.10E-04	1.03E-04
953	565940.8	4222024	0.001489	1.97E-03	7.05E-04	7.89E-04	2.16E-03	7.05E-04	1.96E-04	3.85E-04	2.31E-04	1.51E-04	2.14E-04	1.05E-04
954	565519.3	4221695	0.00063	8.33E-04	2.98E-04	3.34E-04	9.13E-04	2.98E-04	8.27E-05	1.63E-04	9.76E-05	6.40E-05	9.06E-05	4.45E-05
955	565528.3	4221699	0.000638	8.44E-04	3.02E-04	3.38E-04	9.25E-04	3.02E-04	8.38E-05	1.65E-04	9.89E-05	6.48E-05	9.18E-05	4.51E-05
956	565537.2	4221703	0.000647	8.55E-04	3.06E-04	3.43E-04	9.38E-04	3.06E-04	8.49E-05	1.67E-04	1.00E-04	6.57E-05	9.30E-05	4.57E-05
957	565546.2	4221706	0.000655	8.67E-04	3.10E-04	3.47E-04	9.50E-04	3.10E-04	8.61E-05	1.69E-04	1.02E-04	6.66E-05	9.43E-05	4.63E-05
958	565555.2	4221710	0.000664	8.78E-04	3.15E-04	3.52E-04	9.63E-04	3.15E-04	8.72E-05	1.72E-04	1.03E-04	6.75E-05	9.55E-05	4.70E-05
959	565564.1	4221714	0.000673	8.90E-04	3.19E-04	3.57E-04	9.76E-04	3.19E-04	8.84E-05	1.74E-04	1.04E-04	6.84E-05	9.68E-05	4.76E-05
960	565573.1	4221717	0.000682	9.02E-04	3.23E-04	3.61E-04	9.88E-04	3.23E-04	8.95E-05	1.76E-04	1.06E-04	6.93E-05	9.81E-05	4.82E-05
961	565582.1	4221721	0.000691	9.13E-04	3.27E-04	3.66E-04	1.00E-03	3.27E-04	9.07E-05	1.78E-04	1.07E-04	7.02E-05	9.93E-05	4.88E-05
962	565591.1	4221725	0.0007	9.25E-04	3.31E-04	3.71E-04	1.01E-03	3.31E-04	9.19E-05	1.81E-04	1.08E-04	7.11E-05	1.01E-04	4.95E-05
963	565600	4221729	0.000708	9.37E-04	3.36E-04	3.76E-04	1.03E-03	3.36E-04	9.30E-05	1.83E-04	1.10E-04	7.20E-05	1.02E-04	5.01E-05
964	565680.8	4221762	0.000789	1.04E-03	3.74E-04	4.18E-04	1.14E-03	3.74E-04	1.04E-04	2.04E-04	1.22E-04	8.02E-05	1.13E-04	5.58E-05
965	565689.7	4221765	0.000798	1.05E-03	3.78E-04	4.23E-04	1.16E-03	3.78E-04	1.05E-04	2.06E-04	1.24E-04	8.11E-05	1.15E-04	5.64E-05
966	565698.7	4221769	0.000806	1.07E-03	3.82E-04	4.28E-04	1.17E-03	3.82E-04	1.06E-04	2.08E-04	1.25E-04	8.19E-05	1.16E-04	5.70E-05
967	565707.7	4221773	0.000815	1.08E-03	3.86E-04	4.32E-04	1.18E-03	3.86E-04	1.07E-04	2.11E-04	1.26E-04	8.28E-05	1.17E-04	5.76E-05
968	565716.6	4221776	0.000824	1.09E-03	3.90E-04	4.37E-04	1.19E-03	3.90E-04	1.08E-04	2.13E-04	1.28E-04	8.37E-05	1.18E-04	5.82E-05
969	565725.6	4221780	0.000832	1.10E-03	3.94E-04	4.41E-04	1.21E-03	3.94E-04	1.09E-04	2.15E-04	1.29E-04	8.46E-05	1.20E-04	5.89E-05
970	565510.4	4221672	0.000588	7.78E-04	2.79E-04	3.12E-04	8.53E-04	2.79E-04	7.73E-05	1.52E-04	9.12E-05	5.98E-05	8.46E-05	4.16E-05
971	565519.5	4221675	0.000596	7.89E-04	2.83E-04	3.16E-04	8.65E-04	2.83E-04	7.83E-05	1.54E-04	9.25E-05	6.06E-05	8.58E-05	4.22E-05
972	565528.6	4221679	0.000605	7.99E-04	2.86E-04	3.21E-04	8.76E-04	2.86E-04	7.94E-05	1.56E-04	9.37E-05	6.14E-05	8.70E-05	4.28E-05
973	565537.7	4221683	0.000613	8.10E-04	2.90E-04	3.25E-04	8.88E-04	2.90E-04	8.04E-05	1.58E-04	9.50E-05	6.23E-05	8.81E-05	4.33E-05
974	565546.8	4221687	0.000621	8.21E-04	2.94E-04	3.29E-04	9.00E-04	2.94E-04	8.15E-05	1.60E-04	9.62E-05	6.31E-05	8.93E-05	4.39E-05
975	565555.8	4221690	0.000629	8.32E-04	2.98E-04	3.33E-04	9.12E-04	2.98E-04	8.26E-05	1.62E-04	9.75E-05	6.39E-05	9.05E-05	4.45E-05
976	565564.9	4221694	0.000637	8.43E-04	3.02E-04	3.38E-04	9.24E-04	3.02E-04	8.37E-05	1.65E-04	9.88E-05	6.48E-05	9.17E-05	4.51E-05
977	565574	4221698	0.000646	8.54E-04	3.06E-04	3.42E-04	9.36E-04	3.06E-04	8.48E-05	1.67E-04	1.00E-04	6.56E-05	9.29E-05	4.57E-05
978	565583.1	4221702	0.000654	8.65E-04	3.10E-04	3.47E-04	9.48E-04	3.10E-04	8.59E-05	1.69E-04	1.01E-04	6.64E-05	9.41E-05	4.62E-05
979	565592.2	4221705	0.000662	8.76E-04	3.14E-04	3.51E-04	9.60E-04	3.14E-04	8.70E-05	1.71E-04	1.03E-04	6.73E-05	9.52E-05	4.68E-05
980	565601.3	4221709	0.00067	8.87E-04	3.18E-04	3.55E-04	9.72E-04	3.18E-04	8.80E-05	1.73E-04	1.04E-04	6.81E-05	9.64E-05	4.74E-05
981	565501.3	4221668	0.000581	7.68E-04	2.75E-04	3.08E-04	8.42E-04	2.75E-04	7.62E-05	1.50E-04	9.00E-05	5.90E-05	8.35E-05	4.11E-05
982	565491.4	4221668	0.000578	7.65E-04	2.74E-04	3.07E-04	8.38E-04	2.74E-04	7.59E-05	1.49E-04	8.96E-05	5.88E-05	8.32E-05	4.09E-05
983	565392.4	4221668	0.000561	7.41E-04	2.66E-04	2.97E-04	8.13E-04	2.66E-04	7.36E-05	1.45E-04	8.69E-05	5.70E-05	8.06E-05	3.96E-05
984	565382.5	4221668	0.000559	7.40E-04	2.65E-04	2.97E-04	8.11E-04	2.65E-04	7.35E-05	1.45E-04	8.67E-05	5.68E-05	8.05E-05	3.96E-05
985	565372.6	4221668	0.000558	7.39E-04	2.65E-04	2.96E-04	8.10E-04	2.65E-04	7.33E-05	1.44E-04	8.66E-05	5.67E-05	8.03E-05	3.95E-05
986	565362.7	4221668	0.000558	7.37E-04	2.64E-04	2.96E-04	8.08E-04	2.64E-04	7.32E-05	1.44E-04	8.64E-05	5.67E-05	8.02E-05	3.94E-05
987	565352.7	4221668	0.000557	7.36E-04	2.64E-04	2.95E-04	8.07E-04	2.64E-04	7.31E-05	1.44E-04	8.63E-05	5.66E-05	8.01E-05	3.94E-05
988	565342.8	4221668	0.000556	7.35E-04	2.63E-04	2.95E-04	8.06E-04	2.63E-04	7.30E-05	1.44E-04	8.62E-05	5.65E-05	8.00E-05	3.93E-05
989	565332.9	4221668	0.000556	7.35E-04	2.63E-04	2.95E-04	8.05E-04	2.63E-04	7.30E-05	1.44E-04	8.61E-05	5.65E-05	7.99E-05	3.93E-05
990	565510.3	4221652	0.000558	7.39E-04	2.65E-04	2.96E-04	8.10E-04	2.65E-04	7.33E-05	1.44E-04	8.66E-05	5.68E-05	8.03E-05	3.95E-05
991	565519.3	4221655	0.000566	7.48E-04	2.68E-04	3.00E-04	8.20E-04	2.68E-04	7.43E-05	1.46E-04	8.77E-05	5.75E-05	8.14E-05	4.00E-05
992	565528.3	4221659	0.000573	7.58E-04	2.72E-04	3.04E-04	8.31E-04	2.72E-04	7.53E-05	1.48E-04	8.89E-05	5.83E-05	8.25E-05	4.05E-05
993	565537.3	4221663	0.000581	7.68E-04	2.75E-04	3.08E-04	8.42E-04	2.75E-04	7.62E-05	1.50E-04	9.00E-05	5.90E-05	8.35E-05	4.11E-05
994	565546.3	4221666	0.000588	7.78E-04	2.79E-04	3.12E-04	8.52E-04	2.79E-04	7.72E-05	1.52E-04	9.12E-05	5.98E-05	8.46E-05	4.16E-05
995	565555.3	4221670	0.000596	7.88E-04	2.82E-04	3.16E-04	8.63E-04	2.82E-04	7.82E-05	1.54E-04	9.23E-05	6.05E-05	8.57E-05	4.21E-05
996	565564.3	4221674	0.000603	7.98E-04	2.86E-04	3.20E-04	8.75E-04	2.86E-04	7.92E-05	1.56E-04	9.35E-05	6.13E-05	8.68E-05	4.27E-05
997	565573.3	4221678	0.000611	8.08E-04	2.89E-04	3.24E-04	8.86E-04	2.89E-04	8.02E-05	1.58E-04	9.47E-05	6.21E-05	8.79E-05	4.32E-05
998	565582.3	4221681	0.000619	8.18E-04	2.93E-04	3.28E-04	8.97E-04	2.93E-04	8.13E-05	1.60E-04	9.59E-05	6.29E-05	8.90E-05	4.38E-05

999	565591.3	4221685	0.000626	8.28E-04	2.97E-04	3.32E-04	9.08E-04	2.97E-04	8.23E-05	1.62E-04	9.71E-05	6.37E-05	9.01E-05	4.43E-05
1000	565600.3	4221689	0.000634	8.38E-04	3.00E-04	3.36E-04	9.19E-04	3.00E-04	8.33E-05	1.64E-04	9.83E-05	6.44E-05	9.12E-05	4.48E-05
1001	565609.3	4221692	0.000642	8.48E-04	3.04E-04	3.40E-04	9.30E-04	3.04E-04	8.43E-05	1.66E-04	9.94E-05	6.52E-05	9.23E-05	4.54E-05
1002	565501.3	4221648	0.000551	7.29E-04	2.61E-04	2.92E-04	7.99E-04	2.61E-04	7.24E-05	1.42E-04	8.55E-05	5.60E-05	7.93E-05	3.90E-05
1003	565491.4	4221648	0.000549	7.26E-04	2.60E-04	2.91E-04	7.96E-04	2.60E-04	7.21E-05	1.42E-04	8.51E-05	5.58E-05	7.90E-05	3.88E-05
1004	565481.5	4221648	0.000547	7.24E-04	2.59E-04	2.90E-04	7.93E-04	2.59E-04	7.19E-05	1.41E-04	8.48E-05	5.56E-05	7.87E-05	3.87E-05
1005	565422	4221648	0.000537	7.10E-04	2.54E-04	2.85E-04	7.78E-04	2.54E-04	7.05E-05	1.39E-04	8.32E-05	5.46E-05	7.72E-05	3.80E-05
1006	565412.1	4221648	0.000535	7.08E-04	2.54E-04	2.84E-04	7.76E-04	2.54E-04	7.03E-05	1.38E-04	8.30E-05	5.44E-05	7.70E-05	3.79E-05
1007	565402.2	4221648	0.000534	7.06E-04	2.53E-04	2.83E-04	7.74E-04	2.53E-04	7.01E-05	1.38E-04	8.27E-05	5.42E-05	7.68E-05	3.77E-05
1008	565392.3	4221648	0.000533	7.04E-04	2.52E-04	2.82E-04	7.72E-04	2.52E-04	6.99E-05	1.38E-04	8.26E-05	5.41E-05	7.66E-05	3.77E-05
1009	565382.4	4221648	0.000532	7.03E-04	2.52E-04	2.82E-04	7.71E-04	2.52E-04	6.98E-05	1.37E-04	8.24E-05	5.40E-05	7.65E-05	3.76E-05
1010	565372.5	4221648	0.000531	7.02E-04	2.51E-04	2.81E-04	7.69E-04	2.51E-04	6.97E-05	1.37E-04	8.23E-05	5.39E-05	7.63E-05	3.75E-05
1011	565362.6	4221648	0.00053	7.01E-04	2.51E-04	2.81E-04	7.68E-04	2.51E-04	6.96E-05	1.37E-04	8.21E-05	5.38E-05	7.62E-05	3.75E-05
1012	565352.7	4221648	0.000529	7.00E-04	2.51E-04	2.81E-04	7.67E-04	2.51E-04	6.95E-05	1.37E-04	8.20E-05	5.38E-05	7.61E-05	3.74E-05
1013	565342.8	4221648	0.000529	6.99E-04	2.50E-04	2.80E-04	7.66E-04	2.50E-04	6.94E-05	1.37E-04	8.19E-05	5.37E-05	7.60E-05	3.74E-05
1014	565332.9	4221648	0.000528	6.98E-04	2.50E-04	2.80E-04	7.65E-04	2.50E-04	6.93E-05	1.36E-04	8.18E-05	5.37E-05	7.59E-05	3.73E-05
1015	565323	4221648	0.000528	6.98E-04	2.50E-04	2.80E-04	7.65E-04	2.50E-04	6.93E-05	1.36E-04	8.18E-05	5.36E-05	7.59E-05	3.73E-05
1016	565313.1	4221648	0.000527	6.97E-04	2.50E-04	2.80E-04	7.64E-04	2.50E-04	6.92E-05	1.36E-04	8.17E-05	5.36E-05	7.58E-05	3.73E-05
1017	565510.3	4221632	0.000531	7.02E-04	2.52E-04	2.82E-04	7.70E-04	2.52E-04	6.97E-05	1.37E-04	8.23E-05	5.40E-05	7.64E-05	3.76E-05
1018	565519.5	4221635	0.000538	7.11E-04	2.55E-04	2.85E-04	7.80E-04	2.55E-04	7.06E-05	1.39E-04	8.34E-05	5.47E-05	7.74E-05	3.80E-05
1019	565528.6	4221639	0.000545	7.21E-04	2.58E-04	2.89E-04	7.90E-04	2.58E-04	7.16E-05	1.41E-04	8.45E-05	5.54E-05	7.84E-05	3.85E-05
1020	565537.7	4221643	0.000552	7.30E-04	2.61E-04	2.93E-04	8.00E-04	2.61E-04	7.25E-05	1.43E-04	8.55E-05	5.61E-05	7.94E-05	3.90E-05
1021	565546.8	4221647	0.000559	7.39E-04	2.65E-04	2.96E-04	8.10E-04	2.65E-04	7.34E-05	1.44E-04	8.66E-05	5.68E-05	8.04E-05	3.95E-05
1022	565555.9	4221650	0.000566	7.48E-04	2.68E-04	3.00E-04	8.20E-04	2.68E-04	7.43E-05	1.46E-04	8.77E-05	5.75E-05	8.14E-05	4.00E-05
1023	565565	4221654	0.000573	7.58E-04	2.72E-04	3.04E-04	8.31E-04	2.72E-04	7.53E-05	1.48E-04	8.88E-05	5.82E-05	8.24E-05	4.05E-05
1024	565574.1	4221658	0.00058	7.68E-04	2.75E-04	3.08E-04	8.41E-04	2.75E-04	7.62E-05	1.50E-04	9.00E-05	5.90E-05	8.35E-05	4.10E-05
1025	565583.2	4221662	0.000588	7.77E-04	2.78E-04	3.12E-04	8.52E-04	2.78E-04	7.72E-05	1.52E-04	9.11E-05	5.97E-05	8.45E-05	4.16E-05
1026	565592.3	4221665	0.000595	7.87E-04	2.82E-04	3.15E-04	8.62E-04	2.82E-04	7.81E-05	1.54E-04	9.22E-05	6.05E-05	8.56E-05	4.21E-05
1027	565601.4	4221669	0.000602	7.96E-04	2.85E-04	3.19E-04	8.73E-04	2.85E-04	7.91E-05	1.56E-04	9.33E-05	6.12E-05	8.66E-05	4.26E-05
1028	565610.5	4221673	0.000609	8.06E-04	2.89E-04	3.23E-04	8.83E-04	2.89E-04	8.00E-05	1.57E-04	9.45E-05	6.19E-05	8.76E-05	4.31E-05
1029	565501.2	4221628	0.000524	6.93E-04	2.48E-04	2.78E-04	7.60E-04	2.48E-04	6.88E-05	1.35E-04	8.13E-05	5.33E-05	7.54E-05	3.71E-05
1030	565491.3	4221628	0.000522	6.91E-04	2.47E-04	2.77E-04	7.57E-04	2.47E-04	6.86E-05	1.35E-04	8.10E-05	5.31E-05	7.51E-05	3.69E-05
1031	565481.4	4221628	0.00052	6.88E-04	2.47E-04	2.76E-04	7.55E-04	2.47E-04	6.84E-05	1.34E-04	8.07E-05	5.29E-05	7.49E-05	3.68E-05
1032	565471.5	4221628	0.000519	6.86E-04	2.46E-04	2.75E-04	7.52E-04	2.46E-04	6.81E-05	1.34E-04	8.04E-05	5.27E-05	7.46E-05	3.67E-05
1033	565461.6	4221628	0.000517	6.84E-04	2.45E-04	2.74E-04	7.50E-04	2.45E-04	6.79E-05	1.34E-04	8.01E-05	5.25E-05	7.44E-05	3.66E-05
1034	565412.1	4221628	0.00051	6.74E-04	2.41E-04	2.70E-04	7.39E-04	2.41E-04	6.69E-05	1.32E-04	7.90E-05	5.18E-05	7.33E-05	3.60E-05
1035	565402.2	4221628	0.000508	6.72E-04	2.41E-04	2.69E-04	7.37E-04	2.41E-04	6.68E-05	1.31E-04	7.88E-05	5.17E-05	7.31E-05	3.59E-05
1036	565392.3	4221628	0.000507	6.71E-04	2.40E-04	2.69E-04	7.35E-04	2.40E-04	6.66E-05	1.31E-04	7.86E-05	5.15E-05	7.29E-05	3.59E-05
1037	565382.4	4221628	0.000506	6.69E-04	2.40E-04	2.68E-04	7.34E-04	2.40E-04	6.65E-05	1.31E-04	7.84E-05	5.14E-05	7.28E-05	3.58E-05
1038	565372.5	4221628	0.000505	6.68E-04	2.39E-04	2.68E-04	7.32E-04	2.39E-04	6.63E-05	1.30E-04	7.83E-05	5.13E-05	7.26E-05	3.57E-05
1039	565362.6	4221628	0.000504	6.67E-04	2.39E-04	2.67E-04	7.31E-04	2.39E-04	6.62E-05	1.30E-04	7.82E-05	5.12E-05	7.25E-05	3.57E-05
1040	565352.7	4221628	0.000504	6.66E-04	2.39E-04	2.67E-04	7.30E-04	2.39E-04	6.61E-05	1.30E-04	7.81E-05	5.12E-05	7.24E-05	3.56E-05
1041	565342.8	4221628	0.000503	6.65E-04	2.38E-04	2.67E-04	7.29E-04	2.38E-04	6.61E-05	1.30E-04	7.80E-05	5.11E-05	7.24E-05	3.56E-05
1042	565332.8	4221628	0.000503	6.65E-04	2.38E-04	2.66E-04	7.29E-04	2.38E-04	6.60E-05	1.30E-04	7.79E-05	5.11E-05	7.23E-05	3.55E-05
1043	565322.9	4221628	0.000502	6.64E-04	2.38E-04	2.66E-04	7.28E-04	2.38E-04	6.59E-05	1.30E-04	7.78E-05	5.10E-05	7.22E-05	3.55E-05
1044	565313	4221628	0.000502	6.64E-04	2.38E-04	2.66E-04	7.28E-04	2.38E-04	6.59E-05	1.30E-04	7.78E-05	5.10E-05	7.22E-05	3.55E-05
1045	565303.1	4221628	0.000502	6.63E-04	2.38E-04	2.66E-04	7.27E-04	2.38E-04	6.59E-05	1.30E-04	7.78E-05	5.10E-05	7.22E-05	3.55E-05
1046	565293.2	4221628	0.000501	6.63E-04	2.38E-04	2.66E-04	7.27E-04	2.38E-04	6.59E-05	1.30E-04	7.77E-05	5.10E-05	7.21E-05	3.55E-05
1047	565225.7	4222171	0.007008	9.27E-03	3.32E-03	3.72E-03	1.02E-02	3.32E-03	9.20E-04	1.81E-03	1.09E-03	7.12E-04	1.01E-03	4.96E-04
1048	565208.3	4222177	0.007077	9.36E-03	3.35E-03	3.75E-03	1.03E-02	3.35E-03	9.29E-04	1.83E-03	1.10E-03	7.19E-04	1.02E-03	5.00E-04
1049	565219.1	4222165	0.006482	8.57E-03	3.07E-03	3.44E-03	9.40E-03	3.07E-03	8.51E-04	1.67E-03	1.00E-03	6.59E-04	9.32E-04	4.58E-04
1050	565200.9	4222170	0.006561	8.68E-03	3.11E-03	3.48E-03	9.51E-03	3.11E-03	8.62E-04	1.69E-03	1.02E-03	6.67E-04	9.44E-04	4.64E-04
1051	565211.6	4222158	0.00603	7.97E-03	2.86E-03	3.20E-03	8.74E-03	2.86E-03	7.92E-04	1.56E-03	9.35E-04	6.13E-04	8.67E-04	4.26E-04
1052	565191	4222172	0.006502	8.60E-03	3.08E-03	3.45E-03	9.43E-03	3.08E-03	8.54E-04	1.68E-03	1.01E-03	6.61E-04	9.35E-04	4.60E-04
1053	565181	4222174	0.006422	8.49E-03	3.04E-03	3.41E-03	9.31E-03	3.04E-03	8.43E-04	1.66E-03	9.96E-04	6.53E-04	9.24E-04	4.54E-04
1054	565186.2	4222157	0.005698	7.53E-03	2.70E-03	3.02E-03	8.26E-03	2.70E-03	7.48E-04	1.47E-03	8.83E-04	5.79E-04	8.20E-04	4.03E-04
1055	565171.1	4222175	0.006327	8.37E-03	3.00E-03	3.35E-03	9.17E-03	3.00E-03	8.31E-04	1.63E-03	9.81E-04	6.43E-04	9.10E-04	4.47E-04
1056	565176.3	4222159	0.005656	7.48E-03	2.68E-03	3.00E-03	8.20E-03	2.68E-03	7.43E-04	1.46E-03	8.77E-04	5.75E-04	8.14E-04	4.00E-04
1057	565276.1	4222040	0.002424	3.21E-03	1.15E-03	1.29E-03	3.51E-03	1.15E-03	3.18E-04	6.26E-04	3.76E-04	2.46E-04	3.49E-04	1.71E-04
1058	564991.1	4222671	0.001178	1.56E-03	5.58E-04	6.24E-04	1.71E-03	5.58E-04	1.55E-04	3.04E-04	1.83E-04	1.20E-04	1.69E-04	8.33E-05
1059	564984.1	4222659	0.001248	1.65E-03	5.91E-04	6.62E-04	1.81E-03	5.91E-04	1.64E-04	3.22E-04	1.94E-04	1.27E-04	1.80E-04	8.83E-05
1060	564992.5	4222711	0.000961	1.27E-03	4.55E-04	5.09E-04	1.39E-03	4.55E-04	1.26E-04	2.48E-04	1.49E-04	9.76E-05	1.38E-04	6.79E-05
1061	564985.6	4222699	0.00102	1.35E-03	4.83E-04	5.41E-04	1.48E-03	4.83E-04	1.34E-04	2.63E-04	1.58E-04	1.04E-04	1.47E-04	7.21E-05
1062	564978.6	4222686	0.001082	1.43E-03	5.13E-04	5.74E-04	1.57E-03	5.13E-04	1.42E-04	2.79E-04	1.68E-04	1.10E-04	1.56E-04	7.65E-05
1063	564971.6	4222674	0.001146	1.52E-03	5.43E-04	6.08E-04	1.66E-03	5.43E-04	1.50E-04	2.96E-04	1.78E-04	1.16E-04	1.65E-04	8.10E-05
1064	564964.7	4222662	0.001212	1.60E-03	5.74E-04	6.43E-04	1.76E-03	5.74E-04	1.59E-04	3.13E-04	1.88E-04	1.23E-04	1.74E-04	8.57E-05
1065	564994.1	4222751	0.000788	1.04E-03	3.73E-04	4.18E-04	1.14E-03	3.73E-04	1.03E-04	2.04E-04	1.22E-04	8.01E-05	1.13E-04	5.57E-05
1066	564987.1	4222739	0.000836	1.11E-03	3.96E-04	4.43E-04	1.21E-03	3.96E-04	1.10E-04	2.16E-04	1.30E-04	8.50E-05	1.20E-04	5.91E-05
1067	564980.1	4222727	0.000887	1.17E-03	4.20E-04	4.70E-04	1.29E-03	4.20E-04	1.16E-04	2.29E-04	1.38E-04	9.01E-05	1.28E-04	6.27E-05
1068	564973.1	4222714	0.000941	1.24E-03	4.46E-04	4.99E-04	1.36E-03	4.46E-04	1.24E-04	2.43E-04	1.46E-04	9.56E-05	1.35E-04	6.65E-05
1069	564966.1	4222702	0.000997	1.32E-03	4.72E-04	5.28E-04	1.45E-03	4.72E-04	1.31E-04	2.58E-04	1.55E-04	1.01E-04	1.43E-04	7.05E-05
1070	564959.2	4222690	0.001055	1.40E-03	5.00E-04	5.59E-04	1.53E-03	5.00E-04	1.39E-04	2.73E-04	1.64E-04	1.07E-04	1.52E-04	7.46E-05
1071	564952.2	4222677	0.001115	1.48E-03	5.28E-04	5.91E-04	1.62E-03	5.28E-04	1.46E-04	2.88E-04	1.73E-04	1.13E-04	1.60E-04	7.89E-05
1072	564945.2	4222665	0.001177	1.56E-03	5.58E-04	6.24E-04	1.71E-03	5.58E-04	1.55E-04	3.04E-04	1.82E-04	1.20E-04	1.69E-04	8.32E-05
1073	564938.2	4222653	0.00124	1.64E-03	5.87E-04	6.57E-04	1.80E-03	5.87E-04	1.63E-04	3.20E-04	1.92E-04	1.26E-04	1.78E-04	8.77E-05
1074	564988.7	4222779	0.000691	9.14E-04	3.27E-04	3.66E-04	1.00E-03	3.27E-04	9.08E-05	1.79E-04	1.07E-04	7.02E-05	9.94E-05	4.89E-05
1075	564981.7	4222767	0.000732	9.68E-04	3.47E-04	3.88E-04	1.06E-03	3.47E-04	9.61E-05	1.89E-04	1.13E-04	7.44E-05	1.05E-04	5.18E-05
1076	564974.7	4222755	0.000775	1.03E-03	3.67E-04	4.11E-04	1.12E-03	3.67E-04	1.02E-04	2.00E-04	1.20E-04	7.88E-05	1.12E-04	5.48E-05
1077	564967.7	4222742	0.000822	1.09E-03	3.89E-04	4.36E-04	1.19E-03	3.89E-04	1.08E-04	2.12E-04	1.27E-04	8.35E-05	1.18E-04	5.81E-05
1078	564960.7	4222730	0.00087	1.15E-03	4.12E-04	4.61E-04	1.26E-03	4.12E-04	1.14E-04	2.25E-04	1.35E-04	8.84E-05	1.25E-04	6.15E-05
1079	564953.7	4222718	0.000921	1.22E-03	4.36E-04	4.88E-04	1.34E-03	4.36E-04	1.21E-04	2.38E-04	1.43E-04	9.36E-05	1.33E-04	6.51E-05
1080	564946.7	4222705	0.000974	1.29E-03	4.62E-04	5.17E-04	1.41E-03	4.62E-04	1.28E-04	2.52E-04	1.51E-04	9.90E-05	1.40E-04	6.89E-05
1081	564939.7	4222693	0.001029	1.36E-03	4.88E-04	5.46E-04	1.49E-03	4.88E-04	1.35E-04	2.66E-04	1.60E-04	1.05E-04	1.48E-04	7.28E-05
1082	564932.7	4222681	0.001086	1.44E-03	5.14E-04	5.76E-04	1.57E-03	5.14E-04	1.43E-04	2.80E-04	1.68E-04	1.10E-04	1.56E-04	7.68E-05
1083	564925.7	4222668	0.001143	1.51E-03	5.42E-04	6.06E-04	1.66E-03	5.42E-04	1.50E-04	2.95E-04	1.77E-04	1.16E-04	1.64E-04	8.09E-05
1084	564918.6	4222656	0.001202	1.59E-03	5.69E-04	6.37E-04	1.74E-03	5.69E-04	1.58E-04	3.10E-04	1.86E-04	1.22E-04	1.73E-04	8.50E-05
1085	564993.4	4222805	0.000616	8.15E-04	2.92E-04	3.27E-04	8.93E-04	2.92E-04	8.09E-05	1.59E-04	9.55E-05	6.26E-05	8.86E-05	4.36E-05
1086	564976.4	4222795	0.000645	8.53E-04	3.05E-04	3.42E-04	9.35E-04	3.05E-04	8.47E-05	1.67E-04	1.00E-04	6.55E-05	9.28E-05	4.56E-05
1087	564969.5	4222783	0.000681	9.01E-04	3.23E-04	3.61E-04	9.87E-04	3.23E-04	8.94E-05	1.76E-04	1.06E-04	6.92E-05	9.79E-05	4.82E-05
1088	564962.6	4222771	0.00072	9.52E-04	3.41E-04	3.81E-04	1.04E-03	3.41E-04	9.45E-05	1.86E-04	1.12E-04	7.31E-05	1.04E-04	5.09E-05
1089	564955.7	4222759	0.000761	1.01E-03	3.60E-04	4.03E-04	1.10E-03	3.60E-04	9.99E-05	1.96E-04	1.18E-04	7.73E-05	1.09E-04	5.38E-05

1090	564948.8	4222747	0.000804	1.06E-03	3.81E-04	4.26E-04	1.17E-03	3.81E-04	1.06E-04	2.08E-04	1.25E-04	8.17E-05	1.16E-04	5.68E-05
1091	564941.9	4222734	0.000849	1.12E-03	4.02E-04	4.50E-04	1.23E-03	4.02E-04	1.12E-04	2.19E-04	1.32E-04	8.63E-05	1.22E-04	6.01E-05
1092	564935	4222722	0.000897	1.19E-03	4.25E-04	4.75E-04	1.30E-03	4.25E-04	1.18E-04	2.32E-04	1.39E-04	9.11E-05	1.29E-04	6.34E-05
1093	564928.1	4222710	0.000946	1.25E-03	4.48E-04	5.01E-04	1.37E-03	4.48E-04	1.24E-04	2.44E-04	1.47E-04	9.61E-05	1.36E-04	6.69E-05
1094	564921.2	4222698	0.000996	1.32E-03	4.72E-04	5.28E-04	1.44E-03	4.72E-04	1.31E-04	2.57E-04	1.54E-04	1.01E-04	1.43E-04	7.05E-05
1095	564914.3	4222686	0.001048	1.39E-03	4.97E-04	5.56E-04	1.52E-03	4.97E-04	1.38E-04	2.71E-04	1.62E-04	1.07E-04	1.51E-04	7.41E-05
1096	564907.4	4222673	0.001101	1.46E-03	5.22E-04	5.84E-04	1.60E-03	5.22E-04	1.45E-04	2.84E-04	1.71E-04	1.12E-04	1.58E-04	7.79E-05
1097	564900.5	4222661	0.001154	1.53E-03	5.47E-04	6.12E-04	1.67E-03	5.47E-04	1.52E-04	2.98E-04	1.79E-04	1.17E-04	1.66E-04	8.16E-05
1098	564994.6	4222825	0.000567	7.50E-04	2.69E-04	3.01E-04	8.22E-04	2.69E-04	7.44E-05	1.46E-04	8.79E-05	5.76E-05	8.15E-05	4.01E-05
1099	564981.1	4222821	0.000577	7.63E-04	2.73E-04	3.06E-04	8.37E-04	2.73E-04	7.58E-05	1.49E-04	8.95E-05	5.87E-05	8.30E-05	4.08E-05
1100	564964.1	4222811	0.000603	7.98E-04	2.86E-04	3.20E-04	8.75E-04	2.86E-04	7.92E-05	1.56E-04	9.35E-05	6.13E-05	8.68E-05	4.27E-05
1101	564957.2	4222799	0.000636	8.41E-04	3.01E-04	3.37E-04	9.22E-04	3.01E-04	8.35E-05	1.64E-04	9.86E-05	6.46E-05	9.15E-05	4.50E-05
1102	564950.2	4222787	0.000671	8.88E-04	3.18E-04	3.56E-04	9.73E-04	3.18E-04	8.81E-05	1.73E-04	1.04E-04	6.82E-05	9.65E-05	4.75E-05
1103	564943.3	4222774	0.000708	9.37E-04	3.36E-04	3.76E-04	1.03E-03	3.36E-04	9.30E-05	1.83E-04	1.10E-04	7.20E-05	1.02E-04	5.01E-05
1104	564936.4	4222762	0.000748	9.89E-04	3.54E-04	3.97E-04	1.08E-03	3.54E-04	9.82E-05	1.93E-04	1.16E-04	7.60E-05	1.08E-04	5.29E-05
1105	564929.5	4222750	0.000789	1.04E-03	3.74E-04	4.18E-04	1.14E-03	3.74E-04	1.04E-04	2.04E-04	1.22E-04	8.02E-05	1.14E-04	5.58E-05
1106	564922.6	4222738	0.000833	1.10E-03	3.94E-04	4.41E-04	1.21E-03	3.94E-04	1.09E-04	2.15E-04	1.29E-04	8.46E-05	1.20E-04	5.89E-05
1107	564915.6	4222725	0.000878	1.16E-03	4.16E-04	4.65E-04	1.27E-03	4.16E-04	1.15E-04	2.27E-04	1.36E-04	8.92E-05	1.26E-04	6.21E-05
1108	564908.7	4222713	0.000924	1.22E-03	4.38E-04	4.90E-04	1.34E-03	4.38E-04	1.21E-04	2.39E-04	1.43E-04	9.39E-05	1.33E-04	6.54E-05
1109	564901.8	4222701	0.000972	1.29E-03	4.60E-04	5.15E-04	1.41E-03	4.60E-04	1.28E-04	2.51E-04	1.51E-04	9.88E-05	1.40E-04	6.87E-05
1110	564894.9	4222689	0.001021	1.35E-03	4.83E-04	5.41E-04	1.48E-03	4.83E-04	1.34E-04	2.64E-04	1.58E-04	1.04E-04	1.47E-04	7.22E-05
1111	564887.9	4222677	0.00107	1.41E-03	5.07E-04	5.67E-04	1.55E-03	5.07E-04	1.40E-04	2.76E-04	1.66E-04	1.09E-04	1.54E-04	7.57E-05
1112	564881	4222664	0.00112	1.48E-03	5.30E-04	5.94E-04	1.62E-03	5.30E-04	1.47E-04	2.89E-04	1.74E-04	1.14E-04	1.61E-04	7.92E-05
1113	564874.1	4222652	0.001169	1.55E-03	5.54E-04	6.20E-04	1.70E-03	5.54E-04	1.54E-04	3.02E-04	1.81E-04	1.19E-04	1.68E-04	8.27E-05
1114	564995.8	4222844	0.000523	6.91E-04	2.48E-04	2.77E-04	7.58E-04	2.48E-04	6.87E-05	1.35E-04	8.11E-05	5.31E-05	7.52E-05	3.70E-05
1115	564982.3	4222840	0.000532	7.04E-04	2.52E-04	2.82E-04	7.72E-04	2.52E-04	6.99E-05	1.38E-04	8.25E-05	5.41E-05	7.66E-05	3.76E-05
1116	564968.8	4222837	0.000542	7.17E-04	2.57E-04	2.87E-04	7.86E-04	2.57E-04	7.12E-05	1.40E-04	8.40E-05	5.51E-05	7.79E-05	3.83E-05
1117	564951.7	4222827	0.000566	7.48E-04	2.68E-04	3.00E-04	8.20E-04	2.68E-04	7.43E-05	1.46E-04	8.77E-05	5.75E-05	8.14E-05	4.00E-05
1118	564944.8	4222814	0.000596	7.88E-04	2.82E-04	3.16E-04	8.63E-04	2.82E-04	7.82E-05	1.54E-04	9.23E-05	6.05E-05	8.57E-05	4.21E-05
1119	564937.9	4222802	0.000628	8.30E-04	2.97E-04	3.33E-04	9.10E-04	2.97E-04	8.24E-05	1.62E-04	9.73E-05	6.38E-05	9.03E-05	4.44E-05
1120	564930.9	4222790	0.000662	8.75E-04	3.13E-04	3.51E-04	9.59E-04	3.13E-04	8.69E-05	1.71E-04	1.03E-04	6.72E-05	9.52E-05	4.68E-05
1121	564924	4222778	0.000698	9.23E-04	3.30E-04	3.70E-04	1.01E-03	3.30E-04	9.16E-05	1.80E-04	1.08E-04	7.09E-05	1.00E-04	4.93E-05
1122	564917	4222765	0.000735	9.73E-04	3.48E-04	3.90E-04	1.07E-03	3.48E-04	9.66E-05	1.90E-04	1.14E-04	7.47E-05	1.06E-04	5.20E-05
1123	564910.1	4222753	0.000775	1.03E-03	3.67E-04	4.11E-04	1.12E-03	3.67E-04	1.02E-04	2.00E-04	1.20E-04	7.88E-05	1.11E-04	5.48E-05
1124	564903.1	4222741	0.000816	1.08E-03	3.87E-04	4.33E-04	1.18E-03	3.87E-04	1.07E-04	2.11E-04	1.27E-04	8.30E-05	1.17E-04	5.77E-05
1125	564896.2	4222729	0.000859	1.14E-03	4.07E-04	4.55E-04	1.25E-03	4.07E-04	1.13E-04	2.22E-04	1.33E-04	8.73E-05	1.24E-04	6.07E-05
1126	564889.3	4222716	0.000903	1.19E-03	4.28E-04	4.79E-04	1.31E-03	4.28E-04	1.19E-04	2.33E-04	1.40E-04	9.18E-05	1.30E-04	6.39E-05
1127	564882.3	4222704	0.000948	1.25E-03	4.49E-04	5.03E-04	1.37E-03	4.49E-04	1.24E-04	2.45E-04	1.47E-04	9.63E-05	1.36E-04	6.70E-05
1128	564875.4	4222692	0.000994	1.31E-03	4.71E-04	5.27E-04	1.44E-03	4.71E-04	1.31E-04	2.57E-04	1.54E-04	1.01E-04	1.43E-04	7.03E-05
1129	564868.4	4222680	0.00104	1.38E-03	4.93E-04	5.51E-04	1.51E-03	4.93E-04	1.37E-04	2.69E-04	1.61E-04	1.06E-04	1.50E-04	7.35E-05
1130	564861.5	4222667	0.001086	1.44E-03	5.15E-04	5.76E-04	1.57E-03	5.15E-04	1.43E-04	2.81E-04	1.68E-04	1.10E-04	1.56E-04	7.68E-05
1131	564854.5	4222655	0.001132	1.50E-03	5.37E-04	6.00E-04	1.64E-03	5.37E-04	1.49E-04	2.93E-04	1.76E-04	1.15E-04	1.63E-04	8.01E-05
1132	564997.2	4222864	0.000484	6.40E-04	2.29E-04	2.57E-04	7.02E-04	2.29E-04	6.36E-05	1.25E-04	7.50E-05	4.92E-05	6.96E-05	3.42E-05
1133	564983.6	4222860	0.000492	6.51E-04	2.33E-04	2.61E-04	7.14E-04	2.33E-04	6.47E-05	1.27E-04	7.63E-05	5.00E-05	7.08E-05	3.48E-05
1134	564970	4222856	0.000501	6.63E-04	2.37E-04	2.66E-04	7.26E-04	2.37E-04	6.58E-05	1.29E-04	7.77E-05	5.09E-05	7.21E-05	3.54E-05
1135	564956.4	4222852	0.00051	6.74E-04	2.42E-04	2.70E-04	7.39E-04	2.42E-04	6.70E-05	1.32E-04	7.90E-05	5.18E-05	7.33E-05	3.61E-05
1136	564939.4	4222842	0.000532	7.03E-04	2.52E-04	2.82E-04	7.71E-04	2.52E-04	6.98E-05	1.37E-04	8.24E-05	5.40E-05	7.65E-05	3.76E-05
1137	564932.4	4222830	0.000559	7.39E-04	2.65E-04	2.96E-04	8.10E-04	2.65E-04	7.34E-05	1.44E-04	8.67E-05	5.68E-05	8.04E-05	3.95E-05
1138	564925.5	4222818	0.000588	7.78E-04	2.79E-04	3.12E-04	8.53E-04	2.79E-04	7.73E-05	1.52E-04	9.12E-05	5.98E-05	8.46E-05	4.16E-05
1139	564918.5	4222806	0.000619	8.19E-04	2.93E-04	3.28E-04	8.98E-04	2.93E-04	8.13E-05	1.60E-04	9.60E-05	6.29E-05	8.91E-05	4.38E-05
1140	564911.5	4222793	0.000652	8.63E-04	3.09E-04	3.46E-04	9.46E-04	3.09E-04	8.57E-05	1.69E-04	1.01E-04	6.63E-05	9.38E-05	4.61E-05
1141	564904.6	4222781	0.000687	9.08E-04	3.25E-04	3.64E-04	9.96E-04	3.25E-04	9.02E-05	1.77E-04	1.06E-04	6.98E-05	9.88E-05	4.86E-05
1142	564897.6	4222769	0.000723	9.56E-04	3.43E-04	3.83E-04	1.05E-03	3.43E-04	9.50E-05	1.87E-04	1.12E-04	7.35E-05	1.04E-04	5.11E-05
1143	564890.7	4222756	0.000761	1.01E-03	3.61E-04	4.04E-04	1.10E-03	3.61E-04	9.99E-05	1.97E-04	1.18E-04	7.73E-05	1.09E-04	5.38E-05
1144	564883.7	4222744	0.0008	1.06E-03	3.79E-04	4.24E-04	1.16E-03	3.79E-04	1.05E-04	2.07E-04	1.24E-04	8.13E-05	1.15E-04	5.66E-05
1145	564876.7	4222732	0.000841	1.11E-03	3.98E-04	4.46E-04	1.22E-03	3.98E-04	1.10E-04	2.17E-04	1.30E-04	8.55E-05	1.21E-04	5.95E-05
1146	564869.8	4222720	0.000882	1.17E-03	4.18E-04	4.68E-04	1.28E-03	4.18E-04	1.16E-04	2.28E-04	1.37E-04	8.97E-05	1.27E-04	6.24E-05
1147	564862.8	4222707	0.000925	1.22E-03	4.38E-04	4.90E-04	1.34E-03	4.38E-04	1.21E-04	2.39E-04	1.43E-04	9.40E-05	1.33E-04	6.54E-05
1148	564855.9	4222695	0.000968	1.28E-03	4.59E-04	5.13E-04	1.40E-03	4.59E-04	1.27E-04	2.50E-04	1.50E-04	9.84E-05	1.39E-04	6.84E-05
1149	564848.9	4222683	0.001011	1.34E-03	4.79E-04	5.36E-04	1.47E-03	4.79E-04	1.33E-04	2.61E-04	1.57E-04	1.03E-04	1.45E-04	7.15E-05
1150	564841.9	4222671	0.001054	1.39E-03	4.99E-04	5.59E-04	1.53E-03	4.99E-04	1.38E-04	2.72E-04	1.63E-04	1.07E-04	1.52E-04	7.46E-05
1151	564835	4222658	0.001097	1.45E-03	5.20E-04	5.82E-04	1.59E-03	5.20E-04	1.44E-04	2.83E-04	1.70E-04	1.12E-04	1.58E-04	7.76E-05
1152	564998.6	4222884	0.000449	5.94E-04	2.13E-04	2.38E-04	6.52E-04	2.13E-04	5.90E-05	1.16E-04	6.97E-05	4.57E-05	6.46E-05	3.18E-05
1153	564985	4222880	0.000457	6.04E-04	2.16E-04	2.42E-04	6.62E-04	2.16E-04	6.00E-05	1.18E-04	7.08E-05	4.64E-05	6.57E-05	3.23E-05
1154	564971.4	4222876	0.000465	6.15E-04	2.20E-04	2.46E-04	6.74E-04	2.20E-04	6.10E-05	1.20E-04	7.20E-05	4.72E-05	6.68E-05	3.29E-05
1155	564957.7	4222872	0.000473	6.25E-04	2.24E-04	2.51E-04	6.85E-04	2.24E-04	6.21E-05	1.22E-04	7.33E-05	4.80E-05	6.80E-05	3.34E-05
1156	564944.1	4222868	0.000481	6.36E-04	2.28E-04	2.55E-04	6.97E-04	2.28E-04	6.31E-05	1.24E-04	7.45E-05	4.89E-05	6.91E-05	3.40E-05
1157	564927	4222858	0.000501	6.62E-04	2.37E-04	2.66E-04	7.26E-04	2.37E-04	6.58E-05	1.29E-04	7.76E-05	5.09E-05	7.20E-05	3.54E-05
1158	564920.1	4222846	0.000526	6.95E-04	2.49E-04	2.79E-04	7.62E-04	2.49E-04	6.90E-05	1.36E-04	8.15E-05	5.34E-05	7.56E-05	3.72E-05
1159	564913.1	4222834	0.000553	7.31E-04	2.62E-04	2.93E-04	8.01E-04	2.62E-04	7.26E-05	1.43E-04	8.57E-05	5.62E-05	7.95E-05	3.91E-05
1160	564906.1	4222821	0.000581	7.68E-04	2.75E-04	3.08E-04	8.42E-04	2.75E-04	7.63E-05	1.50E-04	9.01E-05	5.91E-05	8.36E-05	4.11E-05
1161	564899.1	4222809	0.000611	8.08E-04	2.90E-04	3.24E-04	8.86E-04	2.90E-04	8.03E-05	1.58E-04	9.48E-05	6.21E-05	8.79E-05	4.32E-05
1162	564892.1	4222797	0.000643	8.50E-04	3.05E-04	3.41E-04	9.32E-04	3.05E-04	8.44E-05	1.66E-04	9.97E-05	6.53E-05	9.25E-05	4.55E-05
1163	564885.2	4222784	0.000676	8.94E-04	3.20E-04	3.59E-04	9.81E-04	3.20E-04	8.88E-05	1.75E-04	1.05E-04	6.87E-05	9.73E-05	4.78E-05
1164	564878.2	4222772	0.000711	9.41E-04	3.37E-04	3.77E-04	1.03E-03	3.37E-04	9.34E-05	1.84E-04	1.10E-04	7.23E-05	1.02E-04	5.03E-05
1165	564871.2	4222760	0.000747	9.88E-04	3.54E-04	3.96E-04	1.08E-03	3.54E-04	9.81E-05	1.93E-04	1.16E-04	7.59E-05	1.08E-04	5.29E-05
1166	564864.2	4222747	0.000785	1.04E-03	3.72E-04	4.16E-04	1.14E-03	3.72E-04	1.03E-04	2.03E-04	1.22E-04	7.98E-05	1.13E-04	5.55E-05
1167	564857.3	4222735	0.000823	1.09E-03	3.90E-04	4.36E-04	1.19E-03	3.90E-04	1.08E-04	2.13E-04	1.28E-04	8.37E-05	1.18E-04	5.82E-05
1168	564850.3	4222723	0.000863	1.14E-03	4.09E-04	4.57E-04	1.25E-03	4.09E-04	1.13E-04	2.23E-04	1.34E-04	8.77E-05	1.24E-04	6.10E-05
1169	564843.3	4222710	0.000902	1.19E-03	4.28E-04	4.78E-04	1.31E-03	4.28E-04	1.19E-04	2.33E-04	1.40E-04	9.17E-05	1.30E-04	6.38E-05
1170	564836.3	4222698	0.000943	1.25E-03	4.47E-04	5.00E-04	1.37E-03	4.47E-04	1.24E-04	2.44E-04	1.46E-04	9.58E-05	1.36E-04	6.67E-05
1171	564829.4	4222686	0.000983	1.30E-03	4.66E-04	5.21E-04	1.43E-03	4.66E-04	1.29E-04	2.54E-04	1.52E-04	9.99E-05	1.41E-04	6.95E-05
1172	564822.4	4222674	0.001024	1.35E-03	4.85E-04	5.43E-04	1.48E-03	4.85E-04	1.34E-04	2.64E-04	1.59E-04	1.04E-04	1.47E-04	7.24E-05
1173	564815.4	4222661	0.001064	1.41E-03	5.04E-04	5.64E-04	1.54E-03	5.04E-04	1.40E-04	2.75E-04	1.65E-04	1.08E-04	1.53E-04	7.52E-05
1174	564992.3	4222890	0.00044	5.82E-04	2.08E-04	2.33E-04	6.38E-04	2.08E-04	5.78E-05	1.14E-04	6.82E-05	4.47E-05	6.33E-05	3.11E-05
1175	564996.7	4222814	0.000592	7.83E-04	2.80E-04	3.14E-04	8.58E-04	2.80E-04	7.77E-05	1.53E-04	9.17E-05	6.01E-05	8.51E-05	4.18E-05
1176	564988	4222795	0.000644	8.51E-04	3.05E-04	3.41E-04	9.33E-04	3.05E-04	8.45E-05	1.66E-04	9.98E-05	6.54E-05	9.26E-05	4.55E-05
1177	564979.3	4222776	0.000702	9.28E-04	3.33E-04	3.72E-04	1.02E-03	3.33E-04	9.22E-05	1.81E-04	1.09E-04	7.13E-05	1.01E-04	4.97E-05
1178	564974.5	4222810	0.000605	8.01E-04	2.87E-04	3.21E-04	8.78E-04	2.87E-04	7.95E-05	1.56E-04	9.38E-05	6.15E-05	8.71E-05	4.28E-05
1179	564988.6	4222870	0.000474	6.26E-04	2.24E-04	2.51E-04	6.87E-04	2.24E-04	6.22E-05	1.22E-04	7.34E-05	4.81E-05	6.81E-05	3.35E-05
1180	564963	4222829	0.00056	7.41E-04	2.65E-04	2.97E-04	8.12E-04	2.65E-04	7.35E-05	1.45E-04	8.68E-05	5.69E-05	8.06E-05	3.96E-05

1181	564954.3	4222809	0.000608	8.03E-04	2.88E-04	3.22E-04	8.81E-04	2.88E-04	7.98E-05	1.57E-04	9.42E-05	6.17E-05	8.74E-05	4.30E-05
1182	564884.4	4222655	0.001167	1.54E-03	5.53E-04	6.19E-04	1.69E-03	5.53E-04	1.53E-04	3.01E-04	1.81E-04	1.19E-04	1.68E-04	8.25E-05
1183	564975.3	4222885	0.000449	5.94E-04	2.13E-04	2.38E-04	6.51E-04	2.13E-04	5.90E-05	1.16E-04	6.96E-05	4.56E-05	6.46E-05	3.18E-05
1184	564958.5	4222863	0.000489	6.47E-04	2.32E-04	2.59E-04	7.09E-04	2.32E-04	6.42E-05	1.26E-04	7.58E-05	4.97E-05	7.03E-05	3.46E-05
1185	564949.8	4222844	0.000528	6.98E-04	2.50E-04	2.80E-04	7.66E-04	2.50E-04	6.94E-05	1.36E-04	8.19E-05	5.37E-05	7.60E-05	3.73E-05
1186	564944.5	4222832	0.000554	7.32E-04	2.62E-04	2.93E-04	8.02E-04	2.62E-04	7.27E-05	1.43E-04	8.58E-05	5.63E-05	7.96E-05	3.91E-05
1187	564935.8	4222813	0.0006	7.93E-04	2.84E-04	3.18E-04	8.70E-04	2.84E-04	7.88E-05	1.55E-04	9.30E-05	6.10E-05	8.63E-05	4.24E-05
1188	564871.3	4222670	0.001083	1.43E-03	5.13E-04	5.74E-04	1.57E-03	5.13E-04	1.42E-04	2.80E-04	1.68E-04	1.10E-04	1.56E-04	7.66E-05
1189	564866	4222659	0.001129	1.49E-03	5.35E-04	5.99E-04	1.64E-03	5.35E-04	1.48E-04	2.92E-04	1.75E-04	1.15E-04	1.62E-04	7.98E-05
1190	565388.8	4223035	0.000301	3.98E-04	1.43E-04	1.60E-04	4.36E-04	1.43E-04	3.95E-05	7.78E-05	4.67E-05	3.06E-05	4.33E-05	2.13E-05
1191	564990.2	4222909	0.000411	5.44E-04	1.95E-04	2.18E-04	5.96E-04	1.95E-04	5.40E-05	1.06E-04	6.38E-05	4.18E-05	5.92E-05	2.91E-05
1192	564978.1	4222905	0.000418	5.52E-04	1.98E-04	2.21E-04	6.05E-04	1.98E-04	5.48E-05	1.08E-04	6.47E-05	4.24E-05	6.01E-05	2.95E-05
1193	564966	4222901	0.000424	5.61E-04	2.01E-04	2.25E-04	6.15E-04	2.01E-04	5.57E-05	1.10E-04	6.58E-05	4.31E-05	6.10E-05	3.00E-05
1194	564952.2	4222893	0.000437	5.78E-04	2.07E-04	2.32E-04	6.34E-04	2.07E-04	5.74E-05	1.13E-04	6.77E-05	4.44E-05	6.29E-05	3.09E-05
1195	564947	4222882	0.000456	6.03E-04	2.16E-04	2.42E-04	6.62E-04	2.16E-04	5.99E-05	1.18E-04	7.07E-05	4.64E-05	6.56E-05	3.23E-05
1196	564936.5	4222859	0.000499	6.60E-04	2.36E-04	2.64E-04	7.23E-04	2.36E-04	6.55E-05	1.29E-04	7.73E-05	5.07E-05	7.18E-05	3.53E-05
1197	564931.3	4222847	0.000522	6.90E-04	2.47E-04	2.77E-04	7.57E-04	2.47E-04	6.86E-05	1.35E-04	8.09E-05	5.31E-05	7.51E-05	3.69E-05
1198	564922.6	4222828	0.000564	7.46E-04	2.67E-04	2.99E-04	8.18E-04	2.67E-04	7.41E-05	1.46E-04	8.75E-05	5.74E-05	8.12E-05	3.99E-05
1199	564858.1	4222686	0.001007	1.33E-03	4.77E-04	5.34E-04	1.46E-03	4.77E-04	1.32E-04	2.60E-04	1.56E-04	1.02E-04	1.45E-04	7.12E-05
1200	564852.9	4222674	0.00105	1.39E-03	4.97E-04	5.57E-04	1.52E-03	4.97E-04	1.38E-04	2.71E-04	1.63E-04	1.07E-04	1.51E-04	7.42E-05
1201	564847.6	4222663	0.001093	1.45E-03	5.18E-04	5.80E-04	1.58E-03	5.18E-04	1.44E-04	2.82E-04	1.69E-04	1.11E-04	1.57E-04	7.73E-05
1202	565391.1	4223055	0.000287	3.79E-04	1.36E-04	1.52E-04	4.16E-04	1.36E-04	3.77E-05	7.41E-05	4.44E-05	2.91E-05	4.12E-05	2.03E-05
1203	564993	4222929	0.000384	5.08E-04	1.82E-04	2.04E-04	5.57E-04	1.82E-04	5.05E-05	9.92E-05	5.96E-05	3.90E-05	5.53E-05	2.72E-05
1204	564980.9	4222925	0.00039	5.15E-04	1.85E-04	2.07E-04	5.65E-04	1.85E-04	5.12E-05	1.01E-04	6.04E-05	3.96E-05	5.61E-05	2.76E-05
1205	564968.8	4222921	0.000395	5.23E-04	1.87E-04	2.10E-04	5.73E-04	1.87E-04	5.19E-05	1.02E-04	6.13E-05	4.02E-05	5.69E-05	2.80E-05
1206	564956.8	4222917	0.000401	5.31E-04	1.90E-04	2.13E-04	5.82E-04	1.90E-04	5.27E-05	1.04E-04	6.22E-05	4.08E-05	5.77E-05	2.84E-05
1207	564944.7	4222913	0.000408	5.39E-04	1.93E-04	2.16E-04	5.91E-04	1.93E-04	5.35E-05	1.05E-04	6.32E-05	4.14E-05	5.86E-05	2.88E-05
1208	564937.2	4222905	0.000421	5.57E-04	1.99E-04	2.23E-04	6.10E-04	1.99E-04	5.53E-05	1.09E-04	6.53E-05	4.28E-05	6.06E-05	2.98E-05
1209	564932	4222893	0.000439	5.81E-04	2.08E-04	2.33E-04	6.37E-04	2.08E-04	5.77E-05	1.13E-04	6.81E-05	4.46E-05	6.32E-05	3.11E-05
1210	564926.8	4222881	0.000459	6.06E-04	2.17E-04	2.43E-04	6.65E-04	2.17E-04	6.02E-05	1.18E-04	7.11E-05	4.66E-05	6.60E-05	3.24E-05
1211	564921.5	4222870	0.000479	6.34E-04	2.27E-04	2.54E-04	6.95E-04	2.27E-04	6.29E-05	1.24E-04	7.43E-05	4.87E-05	6.89E-05	3.39E-05
1212	564916.3	4222858	0.000501	6.62E-04	2.37E-04	2.66E-04	7.26E-04	2.37E-04	6.58E-05	1.29E-04	7.77E-05	5.09E-05	7.21E-05	3.54E-05
1213	564911.1	4222847	0.000524	6.93E-04	2.48E-04	2.78E-04	7.60E-04	2.48E-04	6.88E-05	1.35E-04	8.12E-05	5.33E-05	7.54E-05	3.71E-05
1214	564904.1	4222832	0.000557	7.37E-04	2.64E-04	2.96E-04	8.08E-04	2.64E-04	7.32E-05	1.44E-04	8.64E-05	5.66E-05	8.02E-05	3.94E-05
1215	564845	4222701	0.000938	1.24E-03	4.45E-04	4.97E-04	1.36E-03	4.45E-04	1.23E-04	2.42E-04	1.45E-04	9.54E-05	1.35E-04	6.64E-05
1216	564839.7	4222689	0.000978	1.29E-03	4.63E-04	5.19E-04	1.42E-03	4.63E-04	1.28E-04	2.53E-04	1.52E-04	9.94E-05	1.41E-04	6.92E-05
1217	564834.5	4222678	0.001018	1.35E-03	4.82E-04	5.40E-04	1.48E-03	4.82E-04	1.34E-04	2.63E-04	1.58E-04	1.03E-04	1.46E-04	7.20E-05
1218	564829.3	4222666	0.001059	1.40E-03	5.01E-04	5.61E-04	1.53E-03	5.01E-04	1.39E-04	2.73E-04	1.64E-04	1.08E-04	1.52E-04	7.49E-05
1219	564824.1	4222655	0.001099	1.45E-03	5.21E-04	5.83E-04	1.59E-03	5.21E-04	1.44E-04	2.84E-04	1.70E-04	1.12E-04	1.58E-04	7.77E-05
1220	565393.3	4223075	0.000273	3.62E-04	1.30E-04	1.45E-04	3.96E-04	1.30E-04	3.59E-05	7.06E-05	4.24E-05	2.78E-05	3.93E-05	1.93E-05
1221	564995.7	4222949	0.00036	4.76E-04	1.71E-04	1.91E-04	5.22E-04	1.71E-04	4.73E-05	9.30E-05	5.58E-05	3.66E-05	5.18E-05	2.55E-05
1222	564915.2	4222900	0.000429	5.67E-04	2.03E-04	2.27E-04	6.22E-04	2.03E-04	5.63E-05	1.11E-04	6.65E-05	4.36E-05	6.17E-05	3.03E-05
1223	564910	4222889	0.000448	5.92E-04	2.12E-04	2.37E-04	6.49E-04	2.12E-04	5.88E-05	1.16E-04	6.94E-05	4.55E-05	6.44E-05	3.16E-05
1224	564904.8	4222877	0.000467	6.18E-04	2.21E-04	2.48E-04	6.77E-04	2.21E-04	6.14E-05	1.21E-04	7.24E-05	4.75E-05	6.72E-05	3.30E-05
1225	564899.6	4222866	0.000488	6.46E-04	2.31E-04	2.59E-04	7.08E-04	2.31E-04	6.41E-05	1.26E-04	7.57E-05	4.96E-05	7.02E-05	3.45E-05
1226	564894.4	4222854	0.00051	6.75E-04	2.42E-04	2.71E-04	7.40E-04	2.42E-04	6.70E-05	1.32E-04	7.91E-05	5.19E-05	7.34E-05	3.61E-05
1227	564889.2	4222843	0.000534	7.06E-04	2.53E-04	2.83E-04	7.74E-04	2.53E-04	7.01E-05	1.38E-04	8.28E-05	5.43E-05	7.68E-05	3.78E-05
1228	564883.9	4222831	0.000559	7.39E-04	2.65E-04	2.96E-04	8.10E-04	2.65E-04	7.34E-05	1.44E-04	8.66E-05	5.68E-05	8.04E-05	3.95E-05
1229	564878.7	4222820	0.000585	7.74E-04	2.77E-04	3.10E-04	8.48E-04	2.77E-04	7.69E-05	1.51E-04	9.07E-05	5.95E-05	8.42E-05	4.14E-05
1230	564873.5	4222808	0.000613	8.10E-04	2.90E-04	3.25E-04	8.88E-04	2.90E-04	8.05E-05	1.58E-04	9.50E-05	6.23E-05	8.81E-05	4.33E-05
1231	564868.3	4222797	0.000642	8.49E-04	3.04E-04	3.40E-04	9.30E-04	3.04E-04	8.43E-05	1.66E-04	9.95E-05	6.52E-05	9.23E-05	4.54E-05
1232	564863.1	4222785	0.000672	8.89E-04	3.18E-04	3.56E-04	9.74E-04	3.18E-04	8.82E-05	1.74E-04	1.04E-04	6.83E-05	9.67E-05	4.75E-05
1233	564857.9	4222774	0.000703	9.30E-04	3.33E-04	3.73E-04	1.02E-03	3.33E-04	9.24E-05	1.82E-04	1.09E-04	7.15E-05	1.01E-04	4.97E-05
1234	564852.7	4222762	0.000736	9.73E-04	3.49E-04	3.90E-04	1.07E-03	3.49E-04	9.67E-05	1.90E-04	1.14E-04	7.48E-05	1.06E-04	5.21E-05
1235	564847.4	4222751	0.00077	1.02E-03	3.65E-04	4.08E-04	1.12E-03	3.65E-04	1.01E-04	1.99E-04	1.19E-04	7.82E-05	1.11E-04	5.44E-05
1236	564842.2	4222739	0.000804	1.06E-03	3.81E-04	4.26E-04	1.17E-03	3.81E-04	1.06E-04	2.08E-04	1.25E-04	8.17E-05	1.16E-04	5.69E-05
1237	564837	4222728	0.00084	1.11E-03	3.98E-04	4.45E-04	1.22E-03	3.98E-04	1.10E-04	2.17E-04	1.30E-04	8.54E-05	1.21E-04	5.94E-05
1238	564831.8	4222716	0.000876	1.16E-03	4.15E-04	4.65E-04	1.27E-03	4.15E-04	1.15E-04	2.26E-04	1.36E-04	8.90E-05	1.26E-04	6.20E-05
1239	564826.6	4222705	0.000913	1.21E-03	4.33E-04	4.84E-04	1.32E-03	4.33E-04	1.20E-04	2.36E-04	1.42E-04	9.28E-05	1.31E-04	6.46E-05
1240	564821.4	4222693	0.00095	1.26E-03	4.50E-04	5.04E-04	1.38E-03	4.50E-04	1.25E-04	2.46E-04	1.47E-04	9.66E-05	1.37E-04	6.72E-05
1241	564816.1	4222682	0.000988	1.31E-03	4.68E-04	5.24E-04	1.43E-03	4.68E-04	1.30E-04	2.55E-04	1.53E-04	1.00E-04	1.42E-04	6.99E-05
1242	564996.7	4222701	0.001014	1.34E-03	4.80E-04	5.38E-04	1.47E-03	4.80E-04	1.33E-04	2.62E-04	1.57E-04	1.03E-04	1.46E-04	7.17E-05
1243	564988.7	4222730	0.000875	1.16E-03	4.14E-04	4.64E-04	1.27E-03	4.14E-04	1.15E-04	2.26E-04	1.36E-04	8.89E-05	1.26E-04	6.19E-05
1244	564978.2	4222704	0.000989	1.31E-03	4.69E-04	5.25E-04	1.43E-03	4.69E-04	1.30E-04	2.56E-04	1.53E-04	1.01E-04	1.42E-04	7.00E-05
1245	564974.7	4222696	0.001031	1.36E-03	4.88E-04	5.46E-04	1.49E-03	4.88E-04	1.35E-04	2.66E-04	1.60E-04	1.05E-04	1.48E-04	7.29E-05
1246	564964.4	4222719	0.000916	1.21E-03	4.34E-04	4.86E-04	1.33E-03	4.34E-04	1.20E-04	2.37E-04	1.42E-04	9.31E-05	1.32E-04	6.48E-05
1247	564961	4222711	0.000953	1.26E-03	4.51E-04	5.05E-04	1.38E-03	4.51E-04	1.25E-04	2.46E-04	1.48E-04	9.68E-05	1.37E-04	6.74E-05
1248	564991.9	4222834	0.000545	7.20E-04	2.58E-04	2.89E-04	7.90E-04	2.58E-04	7.15E-05	1.41E-04	8.44E-05	5.53E-05	7.83E-05	3.85E-05
1249	564947.2	4222726	0.000884	1.17E-03	4.19E-04	4.68E-04	1.28E-03	4.19E-04	1.16E-04	2.28E-04	1.37E-04	8.98E-05	1.27E-04	6.25E-05
1250	564943.7	4222718	0.000918	1.21E-03	4.35E-04	4.87E-04	1.33E-03	4.35E-04	1.21E-04	2.37E-04	1.42E-04	9.33E-05	1.32E-04	6.49E-05
1251	564977.6	4222848	0.000516	6.82E-04	2.44E-04	2.74E-04	7.48E-04	2.44E-04	6.78E-05	1.33E-04	8.00E-05	5.24E-05	7.42E-05	3.65E-05
1252	564932.2	4222738	0.000832	1.10E-03	3.94E-04	4.41E-04	1.21E-03	3.94E-04	1.09E-04	2.15E-04	1.29E-04	8.46E-05	1.20E-04	5.89E-05
1253	564925.2	4222721	0.000897	1.19E-03	4.25E-04	4.76E-04	1.30E-03	4.25E-04	1.18E-04	2.32E-04	1.39E-04	9.12E-05	1.29E-04	6.35E-05
1254	564914.9	4222745	0.000805	1.06E-03	3.81E-04	4.27E-04	1.17E-03	3.81E-04	1.06E-04	2.08E-04	1.25E-04	8.18E-05	1.16E-04	5.69E-05
1255	564911.4	4222736	0.000835	1.10E-03	3.95E-04	4.43E-04	1.21E-03	3.95E-04	1.10E-04	2.16E-04	1.29E-04	8.48E-05	1.20E-04	5.90E-05
1256	564986.8	4222899	0.000425	5.62E-04	2.01E-04	2.25E-04	6.17E-04	2.01E-04	5.58E-05	1.10E-04	6.59E-05	4.32E-05	6.12E-05	3.01E-05
1257	564978.3	4222896	0.000431	5.70E-04	2.04E-04	2.29E-04	6.25E-04	2.04E-04	5.66E-05	1.11E-04	6.69E-05	4.38E-05	6.20E-05	3.05E-05
1258	564961.2	4222889	0.000444	5.87E-04	2.10E-04	2.35E-04	6.44E-04	2.10E-04	5.83E-05	1.15E-04	6.88E-05	4.51E-05	6.39E-05	3.14E-05
1259	564899.9	4222757	0.000761	1.01E-03	3.60E-04	4.03E-04	1.10E-03	3.60E-04	9.99E-05	1.97E-04	1.18E-04	7.73E-05	1.09E-04	5.38E-05
1260	564896.4	4222749	0.000789	1.04E-03	3.74E-04	4.18E-04	1.14E-03	3.74E-04	1.04E-04	2.04E-04	1.22E-04	8.01E-05	1.13E-04	5.58E-05
1261	564892.9	4222740	0.000817	1.08E-03	3.87E-04	4.33E-04	1.18E-03	3.87E-04	1.07E-04	2.11E-04	1.27E-04	8.31E-05	1.18E-04	5.78E-05
1262	565400.4	4223046	0.000295	3.90E-04	1.40E-04	1.56E-04	4.28E-04	1.40E-04	3.87E-05	7.62E-05	4.57E-05	3.00E-05	4.24E-05	2.09E-05
1263	564963.9	4222910	0.000411	5.44E-04	1.95E-04	2.18E-04	5.96E-04	1.95E-04	5.40E-05	1.06E-04	6.38E-05	4.18E-05	5.92E-05	2.91E-05
1264	564955.4	4222906	0.000417	5.52E-04	1.98E-04	2.21E-04	6.05E-04	1.98E-04	5.48E-05	1.08E-04	6.47E-05	4.24E-05	6.00E-05	2.95E-05
1265	564947	4222903	0.000423	5.59E-04	2.00E-04	2.24E-04	6.13E-04	2.00E-04	5.56E-05	1.09E-04	6.56E-05	4.30E-05	6.09E-05	2.99E-05
1266	564882.7	4222764	0.000737	9.75E-04	3.49E-04	3.91E-04	1.07E-03	3.49E-04	9.68E-05	1.90E-04	1.14E-04	7.49E-05	1.06E-04	5.21E-05
1267	564879.2	4222755	0.000763	1.01E-03	3.62E-04	4.05E-04	1.11E-03	3.62E-04	1.00E-04	1.97E-04	1.18E-04	7.76E-05	1.10E-04	5.40E-05
1268	564966.3	4222931	0.000383	5.06E-04	1.81E-04	2.03E-04	5.55E-04	1.81E-04	5.03E-05	9.89E-05	5.93E-05	3.89E-05	5.51E-05	2.71E-05
1269	564957.9	4222927	0.000388	5.13E-04	1.84E-04	2.06E-04	5.62E-04	1.84E-04	5.09E-05	1.00E-04	6.01E-05	3.94E-05	5.58E-05	2.74E-05
1270	564949.5	4222924	0.000393	5.20E-04	1.86E-04	2.08E-04	5.70E-04	1.86E-04	5.16E-05	1.02E-04	6.09E-05	3.99E-05	5.65E-05	2.78E-05
1271	564932.7	4222917	0.000404	5.34E-04	1.91E-04	2.14E-04	5.85E-04	1.91E-04	5.30E-05	1.04E-04	6.26E-05	4.10E-05	5.81E-05	2.85E-05

1272	564872.3	4222787	0.000668	8.83E-04	3.16E-04	3.54E-04	9.68E-04	3.16E-04	8.77E-05	1.72E-04	1.04E-04	6.79E-05	9.60E-05	4.72E-05
1273	564861.9	4222762	0.000739	9.77E-04	3.50E-04	3.92E-04	1.07E-03	3.50E-04	9.71E-05	1.91E-04	1.15E-04	7.51E-05	1.06E-04	5.23E-05
1274	564855	4222745	0.00079	1.04E-03	3.74E-04	4.19E-04	1.15E-03	3.74E-04	1.04E-04	2.04E-04	1.22E-04	8.03E-05	1.14E-04	5.59E-05
1275	565390.9	4223086	0.000265	3.51E-04	1.26E-04	1.41E-04	3.85E-04	1.26E-04	3.48E-05	6.85E-05	4.11E-05	2.70E-05	3.82E-05	1.88E-05
1276	564896.1	4222893	0.000441	5.83E-04	2.09E-04	2.34E-04	6.40E-04	2.09E-04	5.79E-05	1.14E-04	6.84E-05	4.48E-05	6.35E-05	3.12E-05
1277	564892.6	4222885	0.000455	6.02E-04	2.16E-04	2.41E-04	6.60E-04	2.16E-04	5.98E-05	1.18E-04	7.06E-05	4.63E-05	6.55E-05	3.22E-05
1278	564889.1	4222876	0.00047	6.22E-04	2.23E-04	2.49E-04	6.82E-04	2.23E-04	6.17E-05	1.21E-04	7.29E-05	4.78E-05	6.76E-05	3.32E-05
1279	564885.5	4222868	0.000486	6.42E-04	2.30E-04	2.57E-04	7.04E-04	2.30E-04	6.38E-05	1.25E-04	7.53E-05	4.93E-05	6.98E-05	3.43E-05
1280	564882	4222859	0.000502	6.63E-04	2.38E-04	2.66E-04	7.27E-04	2.38E-04	6.59E-05	1.30E-04	7.78E-05	5.10E-05	7.22E-05	3.55E-05
1281	564878.5	4222851	0.000518	6.86E-04	2.46E-04	2.75E-04	7.52E-04	2.46E-04	6.81E-05	1.34E-04	8.04E-05	5.27E-05	7.46E-05	3.67E-05
1282	564875	4222842	0.000536	7.09E-04	2.54E-04	2.84E-04	7.77E-04	2.54E-04	7.04E-05	1.38E-04	8.31E-05	5.45E-05	7.71E-05	3.79E-05
1283	564871.5	4222834	0.000554	7.33E-04	2.63E-04	2.94E-04	8.03E-04	2.63E-04	7.28E-05	1.43E-04	8.59E-05	5.63E-05	7.97E-05	3.92E-05
1284	564868	4222825	0.000573	7.58E-04	2.72E-04	3.04E-04	8.31E-04	2.72E-04	7.53E-05	1.48E-04	8.88E-05	5.82E-05	8.24E-05	4.05E-05
1285	564864.5	4222816	0.000593	7.84E-04	2.81E-04	3.14E-04	8.59E-04	2.81E-04	7.78E-05	1.53E-04	9.19E-05	6.02E-05	8.53E-05	4.19E-05
1286	564860.9	4222808	0.000613	8.11E-04	2.90E-04	3.25E-04	8.89E-04	2.90E-04	8.05E-05	1.58E-04	9.50E-05	6.23E-05	8.82E-05	4.34E-05
1287	564857.4	4222799	0.000634	8.39E-04	3.00E-04	3.36E-04	9.19E-04	3.00E-04	8.33E-05	1.64E-04	9.83E-05	6.44E-05	9.12E-05	4.48E-05
1288	564853.9	4222791	0.000656	8.67E-04	3.11E-04	3.48E-04	9.51E-04	3.11E-04	8.61E-05	1.69E-04	1.02E-04	6.66E-05	9.43E-05	4.64E-05
1289	564850.4	4222782	0.000678	8.97E-04	3.21E-04	3.60E-04	9.83E-04	3.21E-04	8.91E-05	1.75E-04	1.05E-04	6.89E-05	9.75E-05	4.80E-05
1290	564846.9	4222774	0.000701	9.27E-04	3.32E-04	3.72E-04	1.02E-03	3.32E-04	9.21E-05	1.81E-04	1.09E-04	7.13E-05	1.01E-04	4.96E-05
1291	564843.4	4222765	0.000725	9.59E-04	3.43E-04	3.84E-04	1.05E-03	3.43E-04	9.52E-05	1.87E-04	1.12E-04	7.37E-05	1.04E-04	5.13E-05
1292	564839.8	4222757	0.000749	9.91E-04	3.55E-04	3.97E-04	1.09E-03	3.55E-04	9.84E-05	1.93E-04	1.16E-04	7.61E-05	1.08E-04	5.30E-05
1293	564836.3	4222748	0.000774	1.02E-03	3.67E-04	4.10E-04	1.12E-03	3.67E-04	1.02E-04	2.00E-04	1.20E-04	7.86E-05	1.11E-04	5.47E-05
1294	564832.8	4222740	0.000799	1.06E-03	3.79E-04	4.24E-04	1.16E-03	3.79E-04	1.05E-04	2.06E-04	1.24E-04	8.12E-05	1.15E-04	5.65E-05
1295	564822.3	4222714	0.000878	1.16E-03	4.16E-04	4.65E-04	1.27E-03	4.16E-04	1.15E-04	2.27E-04	1.36E-04	8.92E-05	1.26E-04	6.21E-05
1296	565390.8	4223106	0.000253	3.35E-04	1.20E-04	1.34E-04	3.67E-04	1.20E-04	3.32E-05	6.54E-05	3.92E-05	2.57E-05	3.64E-05	1.79E-05

			UnMitigated	T2	T2L3	T4
			2.62E-01	1.39E-01	3.44E-02	2.66E-02
			Yr 1	Yr 1	Yr 1	Yr 1
1	565427.7	4222516	7.43E-02	3.94E-02	9.76E-03	7.55E-03
2	565422.4	4222529	5.32E-02	2.82E-02	6.99E-03	5.41E-03
3	565432.3	4222525	6.16E-02	3.27E-02	8.09E-03	6.26E-03
4	565427	4222537	4.54E-02	2.41E-02	5.96E-03	4.62E-03
5	565436.9	4222533	5.22E-02	2.77E-02	6.86E-03	5.31E-03
6	565431.6	4222546	3.95E-02	2.09E-02	5.18E-03	4.01E-03
7	565422.3	4222548	3.57E-02	1.89E-02	4.68E-03	3.62E-03
8	565441.5	4222542	4.51E-02	2.39E-02	5.92E-03	4.58E-03
9	565435.3	4222555	3.44E-02	1.83E-02	4.52E-03	3.50E-03
10	565424.1	4222558	3.07E-02	1.63E-02	4.03E-03	3.12E-03
11	565446.1	4222551	3.95E-02	2.10E-02	5.19E-03	4.02E-03
12	565440.1	4222564	3.07E-02	1.63E-02	4.03E-03	3.12E-03
13	565429.2	4222566	2.76E-02	1.46E-02	3.62E-03	2.80E-03
14	565450.7	4222560	3.50E-02	1.85E-02	4.59E-03	3.55E-03
15	565444.8	4222572	2.76E-02	1.46E-02	3.63E-03	2.81E-03
16	565434.1	4222575	2.49E-02	1.32E-02	3.27E-03	2.53E-03
17	565423.4	4222578	2.26E-02	1.20E-02	2.97E-03	2.30E-03
18	565455.4	4222568	3.13E-02	1.66E-02	4.11E-03	3.18E-03
19	565449.5	4222581	2.51E-02	1.33E-02	3.29E-03	2.55E-03
20	565439	4222584	2.28E-02	1.21E-02	2.99E-03	2.31E-03
21	565428.5	4222586	2.08E-02	1.10E-02	2.73E-03	2.11E-03
22	565460	4222577	2.82E-02	1.50E-02	3.71E-03	2.87E-03
23	565454.2	4222590	2.29E-02	1.22E-02	3.01E-03	2.33E-03
24	565443.8	4222592	2.09E-02	1.11E-02	2.75E-03	2.13E-03
25	565433.4	4222595	1.91E-02	1.02E-02	2.51E-03	1.95E-03
26	565423	4222597	1.77E-02	9.37E-03	2.32E-03	1.80E-03
27	565464.6	4222586	2.57E-02	1.36E-02	3.38E-03	2.61E-03
28	565458.3	4222598	2.10E-02	1.11E-02	2.76E-03	2.14E-03
29	565469.2	4222594	2.35E-02	1.25E-02	3.09E-03	2.39E-03
30	565438.1	4223019	2.17E-03	1.15E-03	2.84E-04	2.20E-04
31	565426.8	4223022	2.13E-03	1.13E-03	2.79E-04	2.16E-04
32	565415.4	4223025	2.09E-03	1.11E-03	2.74E-04	2.12E-04
33	565449.1	4223037	2.09E-03	1.11E-03	2.74E-04	2.12E-04
34	565437.8	4223040	2.05E-03	1.09E-03	2.69E-04	2.08E-04
35	565426.5	4223042	2.02E-03	1.07E-03	2.65E-04	2.05E-04
36	565415.3	4223045	1.98E-03	1.05E-03	2.60E-04	2.01E-04
37	565443.8	4223058	1.97E-03	1.04E-03	2.58E-04	2.00E-04
38	565432.4	4223061	1.93E-03	1.02E-03	2.54E-04	1.96E-04
39	565420.9	4223064	1.90E-03	1.01E-03	2.49E-04	1.93E-04
40	565443.4	4223078	1.87E-03	9.90E-04	2.45E-04	1.90E-04
41	565432.1	4223081	1.84E-03	9.74E-04	2.41E-04	1.87E-04
42	565420.7	4223084	1.81E-03	9.58E-04	2.37E-04	1.84E-04
43	565443.1	4223098	1.78E-03	9.43E-04	2.33E-04	1.81E-04
44	565431.8	4223101	1.75E-03	9.28E-04	2.30E-04	1.78E-04

45	565420.5	4223104	1.72E-03	9.13E-04	2.26E-04	1.75E-04
46	565433.5	4222508	9.38E-02	4.97E-02	1.23E-02	9.53E-03
47	565406.8	4223063	1.88E-03	9.97E-04	2.47E-04	1.91E-04
48	565406.4	4223083	1.79E-03	9.49E-04	2.35E-04	1.82E-04
49	565405.9	4223103	1.71E-03	9.04E-04	2.24E-04	1.73E-04
50	565443.5	4222508	9.70E-02	5.14E-02	1.27E-02	9.86E-03
51	565453.4	4222509	9.96E-02	5.28E-02	1.31E-02	1.01E-02
52	565463.3	4222509	1.02E-01	5.39E-02	1.34E-02	1.03E-02
53	565473.1	4222509	1.04E-01	5.50E-02	1.36E-02	1.05E-02
54	565483	4222509	1.05E-01	5.58E-02	1.38E-02	1.07E-02
55	565443.4	4222518	7.57E-02	4.01E-02	9.94E-03	7.69E-03
56	565453.3	4222518	7.85E-02	4.16E-02	1.03E-02	7.98E-03
57	565463.2	4222518	8.10E-02	4.29E-02	1.06E-02	8.23E-03
58	565473.1	4222519	8.35E-02	4.43E-02	1.10E-02	8.48E-03
59	565482.9	4222519	8.55E-02	4.53E-02	1.12E-02	8.68E-03
60	565453.2	4222528	6.33E-02	3.36E-02	8.31E-03	6.43E-03
61	565463.1	4222528	6.58E-02	3.49E-02	8.64E-03	6.69E-03
62	565473	4222528	6.83E-02	3.62E-02	8.97E-03	6.94E-03
63	565482.8	4222529	7.05E-02	3.74E-02	9.26E-03	7.17E-03
64	565453.1	4222538	5.19E-02	2.75E-02	6.82E-03	5.28E-03
65	565463	4222538	5.43E-02	2.88E-02	7.13E-03	5.52E-03
66	565472.9	4222538	5.67E-02	3.01E-02	7.45E-03	5.77E-03
67	565482.8	4222538	5.89E-02	3.12E-02	7.74E-03	5.99E-03
68	565462.9	4222548	4.54E-02	2.41E-02	5.96E-03	4.62E-03
69	565472.8	4222548	4.77E-02	2.53E-02	6.26E-03	4.84E-03
70	565482.7	4222548	4.97E-02	2.64E-02	6.53E-03	5.06E-03
71	565462.8	4222558	3.84E-02	2.04E-02	5.05E-03	3.91E-03
72	565472.7	4222558	4.05E-02	2.15E-02	5.31E-03	4.11E-03
73	565482.6	4222558	4.24E-02	2.25E-02	5.57E-03	4.31E-03
74	565472.6	4222568	3.47E-02	1.84E-02	4.56E-03	3.53E-03
75	565482.5	4222568	3.64E-02	1.93E-02	4.79E-03	3.70E-03
76	565472.5	4222578	3.00E-02	1.59E-02	3.94E-03	3.05E-03
77	565482.4	4222578	3.16E-02	1.67E-02	4.15E-03	3.21E-03
78	565482.3	4222588	2.76E-02	1.46E-02	3.62E-03	2.80E-03
79	565482.2	4222597	2.43E-02	1.29E-02	3.19E-03	2.47E-03
80	565532.8	4222462	1.49E-01	7.87E-02	1.95E-02	1.51E-02
81	565532.6	4222452	1.60E-01	8.46E-02	2.10E-02	1.62E-02
82	565532.1	4222442	1.72E-01	9.14E-02	2.26E-02	1.75E-02
83	565531.7	4222432	1.86E-01	9.85E-02	2.44E-02	1.89E-02
84	565531.2	4222423	2.01E-01	1.07E-01	2.64E-02	2.05E-02
85	565530.9	4222409	2.24E-01	1.19E-01	2.94E-02	2.27E-02
86	565530.9	4222400	2.37E-01	1.26E-01	3.11E-02	2.41E-02
87	565532.1	4222389	2.45E-01	1.30E-01	3.22E-02	2.49E-02
88	565532.5	4222379	2.52E-01	1.34E-01	3.31E-02	2.56E-02
89	565532.5	4222368	2.58E-01	1.37E-01	3.39E-02	2.62E-02
90	565532.5	4222358	2.61E-01	1.38E-01	3.43E-02	2.65E-02
91	565532.4	4222348	2.62E-01	1.39E-01	3.44E-02	2.66E-02

92	565532.4	4222338	2.61E-01	1.38E-01	3.43E-02	2.65E-02
93	565532.4	4222328	2.58E-01	1.37E-01	3.39E-02	2.62E-02
94	565532.3	4222318	2.53E-01	1.34E-01	3.32E-02	2.57E-02
95	565532.3	4222309	2.46E-01	1.30E-01	3.23E-02	2.50E-02
96	565532.2	4222299	2.37E-01	1.26E-01	3.11E-02	2.41E-02
97	565542.4	4222368	2.23E-01	1.18E-01	2.93E-02	2.26E-02
98	565542.3	4222358	2.25E-01	1.19E-01	2.96E-02	2.29E-02
99	565542.3	4222348	2.25E-01	1.20E-01	2.96E-02	2.29E-02
100	565542.2	4222338	2.24E-01	1.19E-01	2.94E-02	2.28E-02
101	565542.2	4222328	2.21E-01	1.17E-01	2.90E-02	2.25E-02
102	565542.2	4222318	2.16E-01	1.15E-01	2.84E-02	2.20E-02
103	565542.1	4222309	2.10E-01	1.11E-01	2.76E-02	2.13E-02
104	565542.1	4222299	2.02E-01	1.07E-01	2.65E-02	2.05E-02
105	565532.2	4222289	2.26E-01	1.20E-01	2.97E-02	2.30E-02
106	565532.2	4222280	2.13E-01	1.13E-01	2.80E-02	2.17E-02
107	565532.2	4222270	1.97E-01	1.05E-01	2.59E-02	2.01E-02
108	565532.1	4222261	1.79E-01	9.50E-02	2.35E-02	1.82E-02
109	565532.1	4222252	1.59E-01	8.42E-02	2.09E-02	1.61E-02
110	565532.1	4222242	1.38E-01	7.33E-02	1.82E-02	1.41E-02
111	565532.1	4222233	1.19E-01	6.32E-02	1.56E-02	1.21E-02
112	565542.1	4222289	1.92E-01	1.02E-01	2.52E-02	1.95E-02
113	565542	4222280	1.81E-01	9.58E-02	2.37E-02	1.84E-02
114	565542	4222270	1.68E-01	8.89E-02	2.20E-02	1.70E-02
115	565542	4222261	1.53E-01	8.12E-02	2.01E-02	1.56E-02
116	565542	4222252	1.38E-01	7.30E-02	1.81E-02	1.40E-02
117	565541.9	4222242	0.1222574	6.48E-02	1.61E-02	1.24E-02
118	565541.9	4222233	0.1078436	5.72E-02	1.42E-02	1.10E-02
119	565551.8	4222252	0.1217655	6.46E-02	1.60E-02	1.24E-02
120	565551.8	4222242	0.1097786	5.82E-02	1.44E-02	1.12E-02
121	565551.8	4222233	0.0984232	5.22E-02	1.29E-02	1.00E-02
122	565502.5	4222223	0.12671	6.72E-02	1.66E-02	1.29E-02
123	565492.6	4222223	0.1337542	7.09E-02	1.76E-02	1.36E-02
124	565482.7	4222223	0.1403713	7.44E-02	1.84E-02	1.43E-02
125	565472.8	4222223	0.1455853	7.72E-02	1.91E-02	1.48E-02
126	565462.9	4222223	0.149149	7.91E-02	1.96E-02	1.52E-02
127	565453	4222223	0.1512816	8.02E-02	1.99E-02	1.54E-02
128	565443.1	4222223	0.1524116	8.08E-02	2.00E-02	1.55E-02
129	565433.2	4222223	0.1529813	8.11E-02	2.01E-02	1.55E-02
130	565423.3	4222223	0.1532808	8.13E-02	2.01E-02	1.56E-02
131	565413.4	4222223	0.1532631	8.13E-02	2.01E-02	1.56E-02
132	565403.5	4222223	0.1528626	8.10E-02	2.01E-02	1.55E-02
133	565393.6	4222223	0.1513985	8.03E-02	1.99E-02	1.54E-02
134	565492.6	4222213	0.1060077	5.62E-02	1.39E-02	1.08E-02
135	565482.7	4222213	0.1096448	5.81E-02	1.44E-02	1.11E-02
136	565472.8	4222213	0.112918	5.99E-02	1.48E-02	1.15E-02
137	565462.9	4222213	0.1157509	6.14E-02	1.52E-02	1.18E-02
138	565453	4222213	0.1179899	6.26E-02	1.55E-02	1.20E-02

139	565443.1	4222213	0.119572	6.34E-02	1.57E-02	1.22E-02
140	565433.2	4222213	0.1206065	6.39E-02	1.58E-02	1.23E-02
141	565423.3	4222213	0.1211506	6.42E-02	1.59E-02	1.23E-02
142	565413.4	4222213	0.1213045	6.43E-02	1.59E-02	1.23E-02
143	565403.5	4222213	0.1210747	6.42E-02	1.59E-02	1.23E-02
144	565393.6	4222213	0.1201129	6.37E-02	1.58E-02	1.22E-02
145	565492.6	4222203	0.0877665	4.65E-02	1.15E-02	8.92E-03
146	565482.7	4222203	0.0898909	4.77E-02	1.18E-02	9.14E-03
147	565472.8	4222203	0.0919192	4.87E-02	1.21E-02	9.34E-03
148	565462.9	4222203	0.0938316	4.97E-02	1.23E-02	9.54E-03
149	565453	4222203	0.0955022	5.06E-02	1.25E-02	9.71E-03
150	565443.1	4222204	0.0968283	5.13E-02	1.27E-02	9.84E-03
151	565433.2	4222204	0.0977865	5.18E-02	1.28E-02	9.94E-03
152	565423.3	4222204	0.0983521	5.21E-02	1.29E-02	1.00E-02
153	565413.4	4222204	0.0985727	5.23E-02	1.29E-02	1.00E-02
154	565403.4	4222204	0.0984657	5.22E-02	1.29E-02	1.00E-02
155	565393.5	4222204	0.0978324	5.19E-02	1.28E-02	9.94E-03
156	565533.2	4222212	0.085841	4.55E-02	1.13E-02	8.72E-03
157	565492.6	4222194	0.0744611	3.95E-02	9.78E-03	7.57E-03
158	565482.7	4222194	0.0758122	4.02E-02	9.96E-03	7.70E-03
159	565472.8	4222194	0.0771038	4.09E-02	1.01E-02	7.84E-03
160	565462.9	4222194	0.07834	4.15E-02	1.03E-02	7.96E-03
161	565453	4222194	0.079464	4.21E-02	1.04E-02	8.08E-03
162	565443	4222194	0.0804228	4.26E-02	1.06E-02	8.17E-03
163	565433.1	4222194	0.0811352	4.30E-02	1.07E-02	8.25E-03
164	565423.2	4222194	0.0815939	4.33E-02	1.07E-02	8.29E-03
165	565413.3	4222194	0.0817976	4.34E-02	1.07E-02	8.31E-03
166	565403.4	4222194	0.0817518	4.33E-02	1.07E-02	8.31E-03
167	565393.5	4222194	0.0813411	4.31E-02	1.07E-02	8.27E-03
168	565540.9	4222207	0.0765877	4.06E-02	1.01E-02	7.78E-03
169	565544.5	4222215	0.0838975	4.45E-02	1.10E-02	8.53E-03
170	565548.1	4222224	0.091273	4.84E-02	1.20E-02	9.28E-03
171	565502.5	4222184	0.0632924	3.36E-02	8.31E-03	6.43E-03
172	565492.6	4222184	0.0642869	3.41E-02	8.44E-03	6.53E-03
173	565482.6	4222184	0.0651785	3.46E-02	8.56E-03	6.62E-03
174	565472.7	4222184	0.0660096	3.50E-02	8.67E-03	6.71E-03
175	565462.8	4222184	0.0667931	3.54E-02	8.77E-03	6.79E-03
176	565452.9	4222184	0.06752	3.58E-02	8.87E-03	6.86E-03
177	565443	4222184	0.0681363	3.61E-02	8.95E-03	6.92E-03
178	565433.1	4222184	0.0686158	3.64E-02	9.01E-03	6.97E-03
179	565423.2	4222184	0.0689349	3.65E-02	9.05E-03	7.01E-03
180	565413.3	4222184	0.0690817	3.66E-02	9.07E-03	7.02E-03
181	565403.4	4222184	0.0690536	3.66E-02	9.07E-03	7.02E-03
182	565393.5	4222184	0.0687678	3.65E-02	9.03E-03	6.99E-03
183	565535.9	4222188	0.0614272	3.26E-02	8.07E-03	6.24E-03
184	565547.7	4222199	0.0676559	3.59E-02	8.89E-03	6.88E-03
185	565554.6	4222216	0.079188	4.20E-02	1.04E-02	8.05E-03

186	565502.4	4222174	0.0555646	2.95E-02	7.30E-03	5.65E-03
187	565492.5	4222174	0.0562408	2.98E-02	7.39E-03	5.72E-03
188	565482.6	4222174	0.0568318	3.01E-02	7.46E-03	5.78E-03
189	565472.7	4222174	0.0573641	3.04E-02	7.53E-03	5.83E-03
190	565462.8	4222174	0.057857	3.07E-02	7.60E-03	5.88E-03
191	565452.9	4222174	0.0582929	3.09E-02	7.66E-03	5.92E-03
192	565443	4222174	0.0586653	3.11E-02	7.70E-03	5.96E-03
193	565433.1	4222174	0.0589559	3.13E-02	7.74E-03	5.99E-03
194	565423.2	4222174	0.0591472	3.14E-02	7.77E-03	6.01E-03
195	565413.3	4222174	0.0592289	3.14E-02	7.78E-03	6.02E-03
196	565403.4	4222174	0.059204	3.14E-02	7.78E-03	6.02E-03
197	565393.5	4222174	0.0589833	3.13E-02	7.75E-03	5.99E-03
198	565543	4222181	0.0554831	2.94E-02	7.29E-03	5.64E-03
199	565554.5	4222192	0.0605167	3.21E-02	7.95E-03	6.15E-03
200	565492.5	4222164	0.0497148	2.64E-02	6.53E-03	5.05E-03
201	565482.6	4222164	0.050102	2.66E-02	6.58E-03	5.09E-03
202	565472.7	4222164	0.0504348	2.67E-02	6.62E-03	5.13E-03
203	565462.8	4222164	0.0507292	2.69E-02	6.66E-03	5.16E-03
204	565452.9	4222164	0.0509769	2.70E-02	6.69E-03	5.18E-03
205	565443	4222164	0.0511802	2.71E-02	6.72E-03	5.20E-03
206	565433.1	4222164	0.0513322	2.72E-02	6.74E-03	5.22E-03
207	565423.2	4222164	0.0514237	2.73E-02	6.75E-03	5.23E-03
208	565413.3	4222164	0.0514547	2.73E-02	6.76E-03	5.23E-03
209	565403.4	4222164	0.0514066	2.73E-02	6.75E-03	5.22E-03
210	565393.5	4222164	0.0512309	2.72E-02	6.73E-03	5.21E-03
211	565542.2	4222171	0.0497544	2.64E-02	6.53E-03	5.06E-03
212	565492.5	4222154	0.0443216	2.35E-02	5.82E-03	4.50E-03
213	565482.6	4222154	0.0445679	2.36E-02	5.85E-03	4.53E-03
214	565472.7	4222154	0.0447709	2.37E-02	5.88E-03	4.55E-03
215	565462.8	4222154	0.0449284	2.38E-02	5.90E-03	4.57E-03
216	565452.9	4222154	0.0450515	2.39E-02	5.92E-03	4.58E-03
217	565443	4222154	0.0451418	2.39E-02	5.93E-03	4.59E-03
218	565433.1	4222154	0.0451982	2.40E-02	5.94E-03	4.59E-03
219	565423.2	4222154	0.0452233	2.40E-02	5.94E-03	4.60E-03
220	565413.2	4222154	0.0452028	2.40E-02	5.94E-03	4.59E-03
221	565403.3	4222154	0.0451396	2.39E-02	5.93E-03	4.59E-03
222	565393.4	4222154	0.0449906	2.39E-02	5.91E-03	4.57E-03
223	565538.2	4222159	0.0444321	2.36E-02	5.84E-03	4.52E-03
224	565556.1	4222166	0.0461032	2.44E-02	6.05E-03	4.69E-03
225	565502.4	4222144	0.0396006	2.10E-02	5.20E-03	4.02E-03
226	565492.5	4222144	0.0397994	2.11E-02	5.23E-03	4.04E-03
227	565482.6	4222144	0.0399518	2.12E-02	5.25E-03	4.06E-03
228	565472.7	4222144	0.0400575	2.12E-02	5.26E-03	4.07E-03
229	565462.7	4222144	0.0401282	2.13E-02	5.27E-03	4.08E-03
230	565452.8	4222144	0.0401698	2.13E-02	5.28E-03	4.08E-03
231	565442.9	4222144	0.0401863	2.13E-02	5.28E-03	4.08E-03
232	565433	4222144	0.0401796	2.13E-02	5.28E-03	4.08E-03

233	565423.1	4222145	0.040155	2.13E-02	5.27E-03	4.08E-03
234	565413.2	4222145	0.0401031	2.13E-02	5.27E-03	4.08E-03
235	565403.3	4222145	0.0400277	2.12E-02	5.26E-03	4.07E-03
236	565393.4	4222145	0.0398954	2.12E-02	5.24E-03	4.05E-03
237	565537.2	4222149	0.0401248	2.13E-02	5.27E-03	4.08E-03
238	565545.9	4222152	0.0410121	2.17E-02	5.39E-03	4.17E-03
239	565554.6	4222156	0.0417787	2.22E-02	5.49E-03	4.25E-03
240	565502.3	4222135	0.0358412	1.90E-02	4.71E-03	3.64E-03
241	565492.4	4222135	0.035963	1.91E-02	4.72E-03	3.65E-03
242	565482.5	4222135	0.0360457	1.91E-02	4.73E-03	3.66E-03
243	565472.6	4222135	0.0360887	1.91E-02	4.74E-03	3.67E-03
244	565462.7	4222135	0.0361018	1.91E-02	4.74E-03	3.67E-03
245	565452.8	4222135	0.0360909	1.91E-02	4.74E-03	3.67E-03
246	565442.9	4222135	0.0360603	1.91E-02	4.74E-03	3.66E-03
247	565433	4222135	0.0360176	1.91E-02	4.73E-03	3.66E-03
248	565423.1	4222135	0.0359573	1.91E-02	4.72E-03	3.65E-03
249	565413.2	4222135	0.0358853	1.90E-02	4.71E-03	3.65E-03
250	565403.3	4222135	0.0358018	1.90E-02	4.70E-03	3.64E-03
251	565393.4	4222135	0.0356808	1.89E-02	4.69E-03	3.63E-03
252	565536.4	4222139	0.0364192	1.93E-02	4.78E-03	3.70E-03
253	565544.9	4222142	0.0372526	1.98E-02	4.89E-03	3.79E-03
254	565553.4	4222146	0.0379995	2.01E-02	4.99E-03	3.86E-03
255	565502.3	4222125	0.0326099	1.73E-02	4.28E-03	3.31E-03
256	565492.4	4222125	0.0326798	1.73E-02	4.29E-03	3.32E-03
257	565482.5	4222125	0.0327105	1.73E-02	4.30E-03	3.32E-03
258	565472.6	4222125	0.032711	1.73E-02	4.30E-03	3.32E-03
259	565462.7	4222125	0.0326865	1.73E-02	4.29E-03	3.32E-03
260	565452.8	4222125	0.0326423	1.73E-02	4.29E-03	3.32E-03
261	565442.9	4222125	0.0325861	1.73E-02	4.28E-03	3.31E-03
262	565433	4222125	0.0325155	1.72E-02	4.27E-03	3.30E-03
263	565423.1	4222125	0.0324354	1.72E-02	4.26E-03	3.30E-03
264	565413.2	4222125	0.032351	1.72E-02	4.25E-03	3.29E-03
265	565403.3	4222125	0.0322619	1.71E-02	4.24E-03	3.28E-03
266	565393.4	4222125	0.0321506	1.70E-02	4.22E-03	3.27E-03
267	565535.7	4222129	0.0332114	1.76E-02	4.36E-03	3.38E-03
268	565544.1	4222132	0.0339792	1.80E-02	4.46E-03	3.45E-03
269	565552.4	4222135	0.0346897	1.84E-02	4.56E-03	3.53E-03
270	565560.8	4222139	0.035329	1.87E-02	4.64E-03	3.59E-03
271	565502.3	4222115	0.029813	1.58E-02	3.92E-03	3.03E-03
272	565492.4	4222115	0.0298406	1.58E-02	3.92E-03	3.03E-03
273	565482.5	4222115	0.0298378	1.58E-02	3.92E-03	3.03E-03
274	565472.6	4222115	0.0298099	1.58E-02	3.91E-03	3.03E-03
275	565462.7	4222115	0.0297613	1.58E-02	3.91E-03	3.02E-03
276	565452.8	4222115	0.0296967	1.57E-02	3.90E-03	3.02E-03
277	565442.9	4222115	0.0296232	1.57E-02	3.89E-03	3.01E-03
278	565433	4222115	0.0295386	1.57E-02	3.88E-03	3.00E-03
279	565423.1	4222115	0.0294433	1.56E-02	3.87E-03	2.99E-03

280	565413.2	4222115	0.0293456	1.56E-02	3.85E-03	2.98E-03
281	565403.3	4222115	0.0292495	1.55E-02	3.84E-03	2.97E-03
282	565393.3	4222115	0.0291526	1.55E-02	3.83E-03	2.96E-03
283	565547.5	4222124	0.0314561	1.67E-02	4.13E-03	3.20E-03
284	565556.6	4222127	0.0321583	1.71E-02	4.22E-03	3.27E-03
285	565502.3	4222105	0.0273707	1.45E-02	3.59E-03	2.78E-03
286	565492.4	4222105	0.0273703	1.45E-02	3.59E-03	2.78E-03
287	565482.5	4222105	0.0273447	1.45E-02	3.59E-03	2.78E-03
288	565472.6	4222105	0.0272981	1.45E-02	3.59E-03	2.77E-03
289	565462.7	4222105	0.0272347	1.44E-02	3.58E-03	2.77E-03
290	565452.8	4222105	0.0271608	1.44E-02	3.57E-03	2.76E-03
291	565442.9	4222105	0.0270756	1.44E-02	3.56E-03	2.75E-03
292	565432.9	4222105	0.0269842	1.43E-02	3.54E-03	2.74E-03
293	565423	4222105	0.0268802	1.43E-02	3.53E-03	2.73E-03
294	565413.1	4222105	0.026776	1.42E-02	3.52E-03	2.72E-03
295	565403.2	4222105	0.0266767	1.41E-02	3.50E-03	2.71E-03
296	565393.3	4222105	0.0265894	1.41E-02	3.49E-03	2.70E-03
297	565383.4	4222105	0.0265087	1.41E-02	3.48E-03	2.69E-03
298	565373.5	4222105	0.0264362	1.40E-02	3.47E-03	2.69E-03
299	565363.6	4222105	0.0263796	1.40E-02	3.46E-03	2.68E-03
300	565353.7	4222105	0.0263319	1.40E-02	3.46E-03	2.68E-03
301	565343.8	4222105	0.0262953	1.39E-02	3.45E-03	2.67E-03
302	565333.9	4222105	0.0262415	1.39E-02	3.45E-03	2.67E-03
303	565324	4222105	0.0261936	1.39E-02	3.44E-03	2.66E-03
304	565314.1	4222105	0.0261501	1.39E-02	3.43E-03	2.66E-03
305	565304.2	4222105	0.0261368	1.39E-02	3.43E-03	2.66E-03
306	565294.3	4222105	0.0261274	1.39E-02	3.43E-03	2.66E-03
307	565284.4	4222105	0.0261136	1.38E-02	3.43E-03	2.65E-03
308	565537.7	4222110	0.0281992	1.50E-02	3.70E-03	2.87E-03
309	565546.6	4222113	0.0288898	1.53E-02	3.79E-03	2.94E-03
310	565555.4	4222117	0.0295438	1.57E-02	3.88E-03	3.00E-03
311	565502.3	4222095	0.025227	1.34E-02	3.31E-03	2.56E-03
312	565492.4	4222095	0.0252071	1.34E-02	3.31E-03	2.56E-03
313	565482.5	4222095	0.0251662	1.33E-02	3.31E-03	2.56E-03
314	565472.5	4222095	0.0251079	1.33E-02	3.30E-03	2.55E-03
315	565462.6	4222095	0.025038	1.33E-02	3.29E-03	2.54E-03
316	565452.7	4222095	0.0249557	1.32E-02	3.28E-03	2.54E-03
317	565442.8	4222095	0.0248669	1.32E-02	3.27E-03	2.53E-03
318	565432.9	4222095	0.0247734	1.31E-02	3.25E-03	2.52E-03
319	565423	4222095	0.0246661	1.31E-02	3.24E-03	2.51E-03
320	565413.1	4222095	0.0245589	1.30E-02	3.23E-03	2.50E-03
321	565403.2	4222095	0.0244577	1.30E-02	3.21E-03	2.49E-03
322	565393.3	4222095	0.0243804	1.29E-02	3.20E-03	2.48E-03
323	565383.4	4222095	0.0243116	1.29E-02	3.19E-03	2.47E-03
324	565373.5	4222095	0.0242518	1.29E-02	3.18E-03	2.46E-03
325	565363.6	4222095	0.0242011	1.28E-02	3.18E-03	2.46E-03
326	565353.7	4222095	0.0241623	1.28E-02	3.17E-03	2.46E-03

327	565343.8	4222096	0.024131	1.28E-02	3.17E-03	2.45E-03
328	565333.9	4222096	0.0240908	1.28E-02	3.16E-03	2.45E-03
329	565324	4222096	0.0240561	1.28E-02	3.16E-03	2.44E-03
330	565314.1	4222096	0.0240279	1.27E-02	3.16E-03	2.44E-03
331	565304.2	4222096	0.0240265	1.27E-02	3.16E-03	2.44E-03
332	565294.3	4222096	0.0240303	1.27E-02	3.16E-03	2.44E-03
333	565284.4	4222096	0.0240318	1.27E-02	3.16E-03	2.44E-03
334	565537.1	4222100	0.0259972	1.38E-02	3.41E-03	2.64E-03
335	565545.8	4222103	0.0266287	1.41E-02	3.50E-03	2.71E-03
336	565554.5	4222107	0.027233	1.44E-02	3.58E-03	2.77E-03
337	565563.2	4222110	0.0278021	1.47E-02	3.65E-03	2.83E-03
338	565502.2	4222085	0.023335	1.24E-02	3.06E-03	2.37E-03
339	565492.3	4222085	0.0233017	1.24E-02	3.06E-03	2.37E-03
340	565482.4	4222085	0.0232508	1.23E-02	3.05E-03	2.36E-03
341	565472.5	4222085	0.0231875	1.23E-02	3.05E-03	2.36E-03
342	565462.6	4222085	0.0231111	1.23E-02	3.04E-03	2.35E-03
343	565452.7	4222085	0.0230268	1.22E-02	3.02E-03	2.34E-03
344	565442.8	4222085	0.0229376	1.22E-02	3.01E-03	2.33E-03
345	565432.9	4222085	0.0228454	1.21E-02	3.00E-03	2.32E-03
346	565423	4222085	0.0227423	1.21E-02	2.99E-03	2.31E-03
347	565413.1	4222086	0.0226423	1.20E-02	2.97E-03	2.30E-03
348	565403.2	4222086	0.0225451	1.20E-02	2.96E-03	2.29E-03
349	565393.3	4222086	0.0224716	1.19E-02	2.95E-03	2.28E-03
350	565383.4	4222086	0.0224067	1.19E-02	2.94E-03	2.28E-03
351	565373.5	4222086	0.0223512	1.19E-02	2.94E-03	2.27E-03
352	565363.6	4222086	0.0223011	1.18E-02	2.93E-03	2.27E-03
353	565353.7	4222086	0.0222593	1.18E-02	2.92E-03	2.26E-03
354	565343.8	4222086	0.0222278	1.18E-02	2.92E-03	2.26E-03
355	565333.9	4222086	0.0221993	1.18E-02	2.92E-03	2.26E-03
356	565323.9	4222086	0.0221797	1.18E-02	2.91E-03	2.25E-03
357	565314	4222086	0.0221673	1.18E-02	2.91E-03	2.25E-03
358	565304.1	4222086	0.0221749	1.18E-02	2.91E-03	2.25E-03
359	565294.2	4222086	0.0221848	1.18E-02	2.91E-03	2.25E-03
360	565284.3	4222086	0.0221959	1.18E-02	2.91E-03	2.26E-03
361	565536.5	4222090	0.0240497	1.28E-02	3.16E-03	2.44E-03
362	565545.1	4222093	0.0246266	1.31E-02	3.23E-03	2.50E-03
363	565553.6	4222097	0.0251823	1.34E-02	3.31E-03	2.56E-03
364	565562.2	4222100	0.0257148	1.36E-02	3.38E-03	2.61E-03
365	565502.2	4222075	0.0216568	1.15E-02	2.84E-03	2.20E-03
366	565492.3	4222075	0.0216145	1.15E-02	2.84E-03	2.20E-03
367	565482.4	4222076	0.0215575	1.14E-02	2.83E-03	2.19E-03
368	565472.5	4222076	0.0214904	1.14E-02	2.82E-03	2.18E-03
369	565462.6	4222076	0.0214126	1.14E-02	2.81E-03	2.18E-03
370	565452.7	4222076	0.0213287	1.13E-02	2.80E-03	2.17E-03
371	565442.8	4222076	0.0212412	1.13E-02	2.79E-03	2.16E-03
372	565432.9	4222076	0.0211519	1.12E-02	2.78E-03	2.15E-03
373	565423	4222076	0.0210556	1.12E-02	2.77E-03	2.14E-03

374	565413.1	4222076	0.0209597	1.11E-02	2.75E-03	2.13E-03
375	565403.2	4222076	0.0208686	1.11E-02	2.74E-03	2.12E-03
376	565393.3	4222076	0.0207989	1.10E-02	2.73E-03	2.11E-03
377	565383.4	4222076	0.0207377	1.10E-02	2.72E-03	2.11E-03
378	565373.5	4222076	0.0206852	1.10E-02	2.72E-03	2.10E-03
379	565363.5	4222076	0.0206342	1.09E-02	2.71E-03	2.10E-03
380	565353.6	4222076	0.0205906	1.09E-02	2.70E-03	2.09E-03
381	565343.7	4222076	0.0205569	1.09E-02	2.70E-03	2.09E-03
382	565333.8	4222076	0.0205384	1.09E-02	2.70E-03	2.09E-03
383	565323.9	4222076	0.0205291	1.09E-02	2.70E-03	2.09E-03
384	565314	4222076	0.0205286	1.09E-02	2.70E-03	2.09E-03
385	565304.1	4222076	0.0205386	1.09E-02	2.70E-03	2.09E-03
386	565294.2	4222076	0.0205531	1.09E-02	2.70E-03	2.09E-03
387	565284.3	4222076	0.0205699	1.09E-02	2.70E-03	2.09E-03
388	565538.6	4222081	0.0224815	1.19E-02	2.95E-03	2.28E-03
389	565556.8	4222088	0.0235879	1.25E-02	3.10E-03	2.40E-03
390	565502.2	4222066	0.0201611	1.07E-02	2.65E-03	2.05E-03
391	565492.3	4222066	0.020113	1.07E-02	2.64E-03	2.04E-03
392	565482.4	4222066	0.0200541	1.06E-02	2.63E-03	2.04E-03
393	565472.5	4222066	0.0199842	1.06E-02	2.62E-03	2.03E-03
394	565462.6	4222066	0.0199069	1.06E-02	2.61E-03	2.02E-03
395	565452.7	4222066	0.0198247	1.05E-02	2.60E-03	2.01E-03
396	565442.8	4222066	0.0197402	1.05E-02	2.59E-03	2.01E-03
397	565432.9	4222066	0.0196562	1.04E-02	2.58E-03	2.00E-03
398	565423	4222066	0.0195639	1.04E-02	2.57E-03	1.99E-03
399	565413.1	4222066	0.0194742	1.03E-02	2.56E-03	1.98E-03
400	565403.1	4222066	0.0193891	1.03E-02	2.55E-03	1.97E-03
401	565393.2	4222066	0.0193233	1.02E-02	2.54E-03	1.96E-03
402	565383.3	4222066	0.0192655	1.02E-02	2.53E-03	1.96E-03
403	565373.4	4222066	0.0192174	1.02E-02	2.52E-03	1.95E-03
404	565363.5	4222066	0.0191643	1.02E-02	2.52E-03	1.95E-03
405	565353.6	4222066	0.0191193	1.01E-02	2.51E-03	1.94E-03
406	565343.7	4222066	0.0190827	1.01E-02	2.51E-03	1.94E-03
407	565333.8	4222066	0.0190718	1.01E-02	2.50E-03	1.94E-03
408	565323.9	4222066	0.0190704	1.01E-02	2.50E-03	1.94E-03
409	565314	4222066	0.0190758	1.01E-02	2.51E-03	1.94E-03
410	565304.1	4222066	0.0190876	1.01E-02	2.51E-03	1.94E-03
411	565294.2	4222066	0.0191042	1.01E-02	2.51E-03	1.94E-03
412	565284.3	4222066	0.0191238	1.01E-02	2.51E-03	1.94E-03
413	565538	4222071	0.0209118	1.11E-02	2.75E-03	2.13E-03
414	565546.9	4222074	0.0214243	1.14E-02	2.81E-03	2.18E-03
415	565555.9	4222078	0.0219226	1.16E-02	2.88E-03	2.23E-03
416	565564.8	4222082	0.0224039	1.19E-02	2.94E-03	2.28E-03
417	565502.2	4222056	0.0188223	9.98E-03	2.47E-03	1.91E-03
418	565492.3	4222056	0.0187721	9.95E-03	2.47E-03	1.91E-03
419	565482.4	4222056	0.0187103	9.92E-03	2.46E-03	1.90E-03
420	565472.5	4222056	0.0186407	9.88E-03	2.45E-03	1.89E-03

421	565462.6	4222056	0.018565	9.84E-03	2.44E-03	1.89E-03
422	565452.6	4222056	0.0184829	9.80E-03	2.43E-03	1.88E-03
423	565442.7	4222056	0.0183995	9.76E-03	2.42E-03	1.87E-03
424	565432.8	4222056	0.0183171	9.71E-03	2.41E-03	1.86E-03
425	565422.9	4222056	0.0182325	9.67E-03	2.39E-03	1.85E-03
426	565413	4222056	0.0181512	9.62E-03	2.38E-03	1.84E-03
427	565403.1	4222056	0.0180756	9.58E-03	2.37E-03	1.84E-03
428	565393.2	4222056	0.0180134	9.55E-03	2.37E-03	1.83E-03
429	565383.3	4222056	0.0179601	9.52E-03	2.36E-03	1.83E-03
430	565373.4	4222056	0.0179134	9.50E-03	2.35E-03	1.82E-03
431	565363.5	4222056	0.0178682	9.47E-03	2.35E-03	1.82E-03
432	565353.6	4222056	0.0178312	9.45E-03	2.34E-03	1.81E-03
433	565343.7	4222056	0.017803	9.44E-03	2.34E-03	1.81E-03
434	565333.8	4222056	0.0177879	9.43E-03	2.34E-03	1.81E-03
435	565323.9	4222056	0.017782	9.43E-03	2.34E-03	1.81E-03
436	565314	4222056	0.0177828	9.43E-03	2.34E-03	1.81E-03
437	565304.1	4222056	0.0177948	9.43E-03	2.34E-03	1.81E-03
438	565294.2	4222056	0.0178119	9.44E-03	2.34E-03	1.81E-03
439	565284.3	4222056	0.0178325	9.45E-03	2.34E-03	1.81E-03
440	565537.4	4222060	0.0195067	1.03E-02	2.56E-03	1.98E-03
441	565546.2	4222064	0.0199731	1.06E-02	2.62E-03	2.03E-03
442	565555.1	4222068	0.0204308	1.08E-02	2.68E-03	2.08E-03
443	565563.9	4222071	0.0208763	1.11E-02	2.74E-03	2.12E-03
444	565502.2	4222046	0.0176192	9.34E-03	2.31E-03	1.79E-03
445	565492.2	4222046	0.0175671	9.31E-03	2.31E-03	1.79E-03
446	565482.3	4222046	0.0175052	9.28E-03	2.30E-03	1.78E-03
447	565472.4	4222046	0.0174369	9.25E-03	2.29E-03	1.77E-03
448	565462.5	4222046	0.0173633	9.21E-03	2.28E-03	1.76E-03
449	565452.6	4222046	0.0172828	9.16E-03	2.27E-03	1.76E-03
450	565442.7	4222046	0.0172018	9.12E-03	2.26E-03	1.75E-03
451	565432.8	4222046	0.0171202	9.08E-03	2.25E-03	1.74E-03
452	565422.9	4222046	0.0170435	9.04E-03	2.24E-03	1.73E-03
453	565413	4222046	0.0169705	9.00E-03	2.23E-03	1.72E-03
454	565403.1	4222046	0.0169028	8.96E-03	2.22E-03	1.72E-03
455	565393.2	4222046	0.0168443	8.93E-03	2.21E-03	1.71E-03
456	565383.3	4222046	0.016794	8.90E-03	2.21E-03	1.71E-03
457	565373.4	4222046	0.01675	8.88E-03	2.20E-03	1.70E-03
458	565363.5	4222046	0.0167108	8.86E-03	2.19E-03	1.70E-03
459	565353.6	4222046	0.0166799	8.84E-03	2.19E-03	1.70E-03
460	565343.7	4222046	0.0166574	8.83E-03	2.19E-03	1.69E-03
461	565333.8	4222046	0.0166406	8.82E-03	2.19E-03	1.69E-03
462	565323.9	4222046	0.0166303	8.82E-03	2.18E-03	1.69E-03
463	565314	4222046	0.0166271	8.82E-03	2.18E-03	1.69E-03
464	565304.1	4222046	0.0166381	8.82E-03	2.19E-03	1.69E-03
465	565294.1	4222046	0.0166547	8.83E-03	2.19E-03	1.69E-03
466	565284.2	4222046	0.016675	8.84E-03	2.19E-03	1.69E-03
467	565536.9	4222050	0.0182447	9.67E-03	2.40E-03	1.85E-03

468	565545.6	4222054	0.0186715	9.90E-03	2.45E-03	1.90E-03
469	565554.4	4222058	0.019091	1.01E-02	2.51E-03	1.94E-03
470	565563.1	4222061	0.0195019	1.03E-02	2.56E-03	1.98E-03
471	565502.1	4222036	0.0165347	8.77E-03	2.17E-03	1.68E-03
472	565492.2	4222036	0.016481	8.74E-03	2.16E-03	1.67E-03
473	565482.3	4222036	0.01642	8.71E-03	2.16E-03	1.67E-03
474	565472.4	4222036	0.0163537	8.67E-03	2.15E-03	1.66E-03
475	565462.5	4222036	0.016283	8.63E-03	2.14E-03	1.65E-03
476	565452.6	4222036	0.0162053	8.59E-03	2.13E-03	1.65E-03
477	565442.7	4222036	0.0161249	8.55E-03	2.12E-03	1.64E-03
478	565432.8	4222036	0.0160452	8.51E-03	2.11E-03	1.63E-03
479	565422.9	4222036	0.0159764	8.47E-03	2.10E-03	1.62E-03
480	565413	4222036	0.015911	8.44E-03	2.09E-03	1.62E-03
481	565403.1	4222036	0.0158505	8.40E-03	2.08E-03	1.61E-03
482	565393.2	4222036	0.0157965	8.38E-03	2.07E-03	1.61E-03
483	565383.3	4222036	0.0157479	8.35E-03	2.07E-03	1.60E-03
484	565373.4	4222036	0.0157063	8.33E-03	2.06E-03	1.60E-03
485	565363.5	4222036	0.0156722	8.31E-03	2.06E-03	1.59E-03
486	565353.6	4222036	0.0156458	8.30E-03	2.05E-03	1.59E-03
487	565343.7	4222036	0.015628	8.29E-03	2.05E-03	1.59E-03
488	565333.7	4222036	0.0156083	8.28E-03	2.05E-03	1.59E-03
489	565323.8	4222037	0.0155956	8.27E-03	2.05E-03	1.58E-03
490	565313.9	4222037	0.0155889	8.27E-03	2.05E-03	1.58E-03
491	565304	4222037	0.0155988	8.27E-03	2.05E-03	1.59E-03
492	565294.1	4222037	0.0156143	8.28E-03	2.05E-03	1.59E-03
493	565284.2	4222037	0.0156347	8.29E-03	2.05E-03	1.59E-03
494	565538.7	4222041	0.0172045	9.12E-03	2.26E-03	1.75E-03
495	565547.8	4222045	0.0176171	9.34E-03	2.31E-03	1.79E-03
496	565566.1	4222053	0.0184252	9.77E-03	2.42E-03	1.87E-03
497	565502.1	4222026	0.0155518	8.25E-03	2.04E-03	1.58E-03
498	565492.2	4222026	0.0154981	8.22E-03	2.04E-03	1.58E-03
499	565482.3	4222026	0.0154367	8.18E-03	2.03E-03	1.57E-03
500	565472.4	4222026	0.015371	8.15E-03	2.02E-03	1.56E-03
501	565462.5	4222026	0.0153018	8.11E-03	2.01E-03	1.56E-03
502	565452.6	4222026	0.01523	8.07E-03	2.00E-03	1.55E-03
503	565442.7	4222026	0.0151566	8.04E-03	1.99E-03	1.54E-03
504	565432.8	4222026	0.0150846	8.00E-03	1.98E-03	1.53E-03
505	565422.9	4222026	0.0150199	7.96E-03	1.97E-03	1.53E-03
506	565413	4222026	0.0149587	7.93E-03	1.96E-03	1.52E-03
507	565403.1	4222027	0.0149027	7.90E-03	1.96E-03	1.51E-03
508	565393.2	4222027	0.0148511	7.87E-03	1.95E-03	1.51E-03
509	565383.2	4222027	0.0148052	7.85E-03	1.94E-03	1.50E-03
510	565373.3	4222027	0.0147658	7.83E-03	1.94E-03	1.50E-03
511	565363.4	4222027	0.0147306	7.81E-03	1.93E-03	1.50E-03
512	565353.5	4222027	0.0147025	7.80E-03	1.93E-03	1.49E-03
513	565343.6	4222027	0.0146828	7.78E-03	1.93E-03	1.49E-03
514	565333.7	4222027	0.014666	7.78E-03	1.93E-03	1.49E-03

515	565323.8	4222027	0.0146562	7.77E-03	1.92E-03	1.49E-03
516	565313.9	4222027	0.0146527	7.77E-03	1.92E-03	1.49E-03
517	565304	4222027	0.0146614	7.77E-03	1.93E-03	1.49E-03
518	565294.1	4222027	0.0146763	7.78E-03	1.93E-03	1.49E-03
519	565284.2	4222027	0.0146944	7.79E-03	1.93E-03	1.49E-03
520	565538.1	4222031	0.0161609	8.57E-03	2.12E-03	1.64E-03
521	565547.1	4222035	0.0165384	8.77E-03	2.17E-03	1.68E-03
522	565556.2	4222039	0.0169124	8.97E-03	2.22E-03	1.72E-03
523	565565.2	4222042	0.0172808	9.16E-03	2.27E-03	1.76E-03
524	565502.1	4222016	0.014659	7.77E-03	1.93E-03	1.49E-03
525	565492.2	4222016	0.0146061	7.74E-03	1.92E-03	1.48E-03
526	565482.3	4222016	0.014545	7.71E-03	1.91E-03	1.48E-03
527	565472.4	4222017	0.0144799	7.68E-03	1.90E-03	1.47E-03
528	565462.5	4222017	0.0144133	7.64E-03	1.89E-03	1.46E-03
529	565452.6	4222017	0.0143465	7.61E-03	1.88E-03	1.46E-03
530	565442.7	4222017	0.0142796	7.57E-03	1.88E-03	1.45E-03
531	565432.8	4222017	0.0142144	7.54E-03	1.87E-03	1.44E-03
532	565422.8	4222017	0.0141538	7.50E-03	1.86E-03	1.44E-03
533	565412.9	4222017	0.0140972	7.47E-03	1.85E-03	1.43E-03
534	565403	4222017	0.0140439	7.45E-03	1.84E-03	1.43E-03
535	565393.1	4222017	0.0139953	7.42E-03	1.84E-03	1.42E-03
536	565383.2	4222017	0.0139521	7.40E-03	1.83E-03	1.42E-03
537	565373.3	4222017	0.0139146	7.38E-03	1.83E-03	1.41E-03
538	565363.4	4222017	0.0138789	7.36E-03	1.82E-03	1.41E-03
539	565353.5	4222017	0.0138501	7.34E-03	1.82E-03	1.41E-03
540	565343.6	4222017	0.0138273	7.33E-03	1.82E-03	1.41E-03
541	565333.7	4222017	0.0138134	7.32E-03	1.81E-03	1.40E-03
542	565323.8	4222017	0.0138063	7.32E-03	1.81E-03	1.40E-03
543	565313.9	4222017	0.0138051	7.32E-03	1.81E-03	1.40E-03
544	565304	4222017	0.0138135	7.32E-03	1.81E-03	1.40E-03
545	565294.1	4222017	0.0138259	7.33E-03	1.82E-03	1.41E-03
546	565284.2	4222017	0.0138424	7.34E-03	1.82E-03	1.41E-03
547	565537.7	4222021	0.0152152	8.07E-03	2.00E-03	1.55E-03
548	565546.5	4222025	0.0155606	8.25E-03	2.04E-03	1.58E-03
549	565555.4	4222029	0.0159038	8.43E-03	2.09E-03	1.62E-03
550	565564.3	4222032	0.0162432	8.61E-03	2.13E-03	1.65E-03
551	565502.1	4222007	0.0138454	7.34E-03	1.82E-03	1.41E-03
552	565492.2	4222007	0.0137936	7.31E-03	1.81E-03	1.40E-03
553	565482.3	4222007	0.0137331	7.28E-03	1.80E-03	1.40E-03
554	565472.4	4222007	0.0136699	7.25E-03	1.80E-03	1.39E-03
555	565462.4	4222007	0.0136038	7.21E-03	1.79E-03	1.38E-03
556	565452.5	4222007	0.013543	7.18E-03	1.78E-03	1.38E-03
557	565442.6	4222007	0.0134824	7.15E-03	1.77E-03	1.37E-03
558	565432.7	4222007	0.0134234	7.12E-03	1.76E-03	1.36E-03
559	565422.8	4222007	0.0133665	7.09E-03	1.76E-03	1.36E-03
560	565412.9	4222007	0.0133134	7.06E-03	1.75E-03	1.35E-03
561	565403	4222007	0.0132633	7.03E-03	1.74E-03	1.35E-03

562	565393.1	4222007	0.0132177	7.01E-03	1.74E-03	1.34E-03
563	565383.2	4222007	0.013177	6.99E-03	1.73E-03	1.34E-03
564	565373.3	4222007	0.0131415	6.97E-03	1.73E-03	1.34E-03
565	565363.4	4222007	0.0131059	6.95E-03	1.72E-03	1.33E-03
566	565353.5	4222007	0.0130752	6.93E-03	1.72E-03	1.33E-03
567	565343.6	4222007	0.0130502	6.92E-03	1.71E-03	1.33E-03
568	565333.7	4222007	0.0130396	6.91E-03	1.71E-03	1.33E-03
569	565323.8	4222007	0.0130346	6.91E-03	1.71E-03	1.32E-03
570	565313.9	4222007	0.0130354	6.91E-03	1.71E-03	1.32E-03
571	565304	4222007	0.0130424	6.92E-03	1.71E-03	1.33E-03
572	565294.1	4222007	0.0130532	6.92E-03	1.71E-03	1.33E-03
573	565284.2	4222007	0.0130679	6.93E-03	1.72E-03	1.33E-03
574	565537.2	4222011	0.0143538	7.61E-03	1.89E-03	1.46E-03
575	565546	4222015	0.0146709	7.78E-03	1.93E-03	1.49E-03
576	565554.8	4222018	0.0149869	7.95E-03	1.97E-03	1.52E-03
577	565563.6	4222022	0.0153002	8.11E-03	2.01E-03	1.55E-03
578	565502	4221997	0.0131017	6.95E-03	1.72E-03	1.33E-03
579	565492.1	4221997	0.0130515	6.92E-03	1.71E-03	1.33E-03
580	565482.2	4221997	0.0129945	6.89E-03	1.71E-03	1.32E-03
581	565472.3	4221997	0.0129336	6.86E-03	1.70E-03	1.31E-03
582	565462.4	4221997	0.0128713	6.82E-03	1.69E-03	1.31E-03
583	565452.5	4221997	0.0128139	6.79E-03	1.68E-03	1.30E-03
584	565442.6	4221997	0.0127571	6.76E-03	1.68E-03	1.30E-03
585	565432.7	4221997	0.0127016	6.73E-03	1.67E-03	1.29E-03
586	565422.8	4221997	0.012649	6.71E-03	1.66E-03	1.29E-03
587	565412.9	4221997	0.0125985	6.68E-03	1.65E-03	1.28E-03
588	565403	4221997	0.0125513	6.65E-03	1.65E-03	1.28E-03
589	565393.1	4221997	0.0125064	6.63E-03	1.64E-03	1.27E-03
590	565383.2	4221997	0.0124662	6.61E-03	1.64E-03	1.27E-03
591	565373.3	4221997	0.0124313	6.59E-03	1.63E-03	1.26E-03
592	565363.4	4221997	0.0123987	6.57E-03	1.63E-03	1.26E-03
593	565353.5	4221997	0.0123715	6.56E-03	1.62E-03	1.26E-03
594	565343.6	4221997	0.0123497	6.55E-03	1.62E-03	1.26E-03
595	565333.7	4221997	0.0123389	6.54E-03	1.62E-03	1.25E-03
596	565323.8	4221997	0.0123337	6.54E-03	1.62E-03	1.25E-03
597	565313.8	4221997	0.0123345	6.54E-03	1.62E-03	1.25E-03
598	565303.9	4221997	0.0123394	6.54E-03	1.62E-03	1.25E-03
599	565294	4221997	0.0123487	6.55E-03	1.62E-03	1.25E-03
600	565284.1	4221997	0.0123617	6.55E-03	1.62E-03	1.26E-03
601	565536.8	4222001	0.0135679	7.19E-03	1.78E-03	1.38E-03
602	565545.5	4222005	0.0138594	7.35E-03	1.82E-03	1.41E-03
603	565554.2	4222008	0.0141504	7.50E-03	1.86E-03	1.44E-03
604	565562.9	4222012	0.0144404	7.66E-03	1.90E-03	1.47E-03
605	565502	4221987	0.01242	6.59E-03	1.63E-03	1.26E-03
606	565492.1	4221987	0.0123716	6.56E-03	1.62E-03	1.26E-03
607	565482.2	4221987	0.0123173	6.53E-03	1.62E-03	1.25E-03
608	565472.3	4221987	0.0122596	6.50E-03	1.61E-03	1.25E-03

609	565462.4	4221987	0.0122008	6.47E-03	1.60E-03	1.24E-03
610	565452.5	4221987	0.0121467	6.44E-03	1.60E-03	1.23E-03
611	565442.6	4221987	0.0120932	6.41E-03	1.59E-03	1.23E-03
612	565432.7	4221987	0.0120417	6.38E-03	1.58E-03	1.22E-03
613	565422.8	4221987	0.0119916	6.36E-03	1.57E-03	1.22E-03
614	565412.9	4221987	0.0119442	6.33E-03	1.57E-03	1.21E-03
615	565403	4221987	0.0118997	6.31E-03	1.56E-03	1.21E-03
616	565393.1	4221987	0.0118556	6.29E-03	1.56E-03	1.20E-03
617	565383.2	4221987	0.0118156	6.26E-03	1.55E-03	1.20E-03
618	565373.3	4221987	0.0117808	6.25E-03	1.55E-03	1.20E-03
619	565363.4	4221987	0.0117519	6.23E-03	1.54E-03	1.19E-03
620	565353.4	4221987	0.011728	6.22E-03	1.54E-03	1.19E-03
621	565343.5	4221987	0.0117094	6.21E-03	1.54E-03	1.19E-03
622	565333.6	4221987	0.0116986	6.20E-03	1.54E-03	1.19E-03
623	565323.7	4221987	0.0116936	6.20E-03	1.54E-03	1.19E-03
624	565313.8	4221987	0.0116928	6.20E-03	1.54E-03	1.19E-03
625	565303.9	4221987	0.0116966	6.20E-03	1.54E-03	1.19E-03
626	565294	4221987	0.0117044	6.21E-03	1.54E-03	1.19E-03
627	565284.1	4221987	0.0117158	6.21E-03	1.54E-03	1.19E-03
628	565538.2	4221992	0.0129027	6.84E-03	1.69E-03	1.31E-03
629	565547.3	4221996	0.0131846	6.99E-03	1.73E-03	1.34E-03
630	565556.3	4221999	0.013467	7.14E-03	1.77E-03	1.37E-03
631	565565.4	4222003	0.0137471	7.29E-03	1.81E-03	1.40E-03
632	565601.6	4222018	0.0148313	7.86E-03	1.95E-03	1.51E-03
633	565502	4221977	0.0117935	6.25E-03	1.55E-03	1.20E-03
634	565492.1	4221977	0.0117475	6.23E-03	1.54E-03	1.19E-03
635	565482.2	4221977	0.0116952	6.20E-03	1.54E-03	1.19E-03
636	565472.3	4221977	0.0116406	6.17E-03	1.53E-03	1.18E-03
637	565462.4	4221977	0.0115851	6.14E-03	1.52E-03	1.18E-03
638	565452.5	4221977	0.011534	6.12E-03	1.51E-03	1.17E-03
639	565442.6	4221977	0.0114843	6.09E-03	1.51E-03	1.17E-03
640	565432.7	4221977	0.0114353	6.06E-03	1.50E-03	1.16E-03
641	565422.8	4221977	0.0113882	6.04E-03	1.50E-03	1.16E-03
642	565412.9	4221977	0.0113436	6.01E-03	1.49E-03	1.15E-03
643	565403	4221977	0.0113017	5.99E-03	1.48E-03	1.15E-03
644	565393	4221977	0.0112585	5.97E-03	1.48E-03	1.14E-03
645	565383.1	4221977	0.0112194	5.95E-03	1.47E-03	1.14E-03
646	565373.2	4221977	0.0111838	5.93E-03	1.47E-03	1.14E-03
647	565363.3	4221977	0.0111583	5.92E-03	1.47E-03	1.13E-03
648	565353.4	4221977	0.0111377	5.91E-03	1.46E-03	1.13E-03
649	565343.5	4221977	0.0111219	5.90E-03	1.46E-03	1.13E-03
650	565333.6	4221977	0.0111117	5.89E-03	1.46E-03	1.13E-03
651	565323.7	4221977	0.0111057	5.89E-03	1.46E-03	1.13E-03
652	565313.8	4221978	0.0111043	5.89E-03	1.46E-03	1.13E-03
653	565303.9	4221978	0.011107	5.89E-03	1.46E-03	1.13E-03
654	565294	4221978	0.0111135	5.89E-03	1.46E-03	1.13E-03
655	565284.1	4221978	0.0111234	5.90E-03	1.46E-03	1.13E-03

656	565537.8	4221982	0.0122355	6.49E-03	1.61E-03	1.24E-03
657	565546.7	4221986	0.0124961	6.63E-03	1.64E-03	1.27E-03
658	565555.7	4221989	0.0127561	6.76E-03	1.68E-03	1.30E-03
659	565564.6	4221993	0.0130159	6.90E-03	1.71E-03	1.32E-03
660	565591.5	4222004	0.0137795	7.31E-03	1.81E-03	1.40E-03
661	565600.5	4222008	0.0140256	7.44E-03	1.84E-03	1.43E-03
662	565609.4	4222011	0.0142667	7.56E-03	1.87E-03	1.45E-03
663	565618.4	4222015	0.0144998	7.69E-03	1.90E-03	1.47E-03
664	565627.3	4222019	0.0147167	7.80E-03	1.93E-03	1.50E-03
665	565502	4221967	0.0112138	5.95E-03	1.47E-03	1.14E-03
666	565492.1	4221967	0.0111691	5.92E-03	1.47E-03	1.14E-03
667	565482.2	4221967	0.01112	5.90E-03	1.46E-03	1.13E-03
668	565472.3	4221967	0.0110694	5.87E-03	1.45E-03	1.12E-03
669	565462.4	4221967	0.0110182	5.84E-03	1.45E-03	1.12E-03
670	565452.5	4221967	0.0109701	5.82E-03	1.44E-03	1.11E-03
671	565442.5	4221967	0.0109231	5.79E-03	1.43E-03	1.11E-03
672	565432.6	4221967	0.0108769	5.77E-03	1.43E-03	1.11E-03
673	565422.7	4221967	0.0108311	5.74E-03	1.42E-03	1.10E-03
674	565412.8	4221967	0.0107877	5.72E-03	1.42E-03	1.10E-03
675	565402.9	4221967	0.010747	5.70E-03	1.41E-03	1.09E-03
676	565393	4221967	0.0107081	5.68E-03	1.41E-03	1.09E-03
677	565383.1	4221968	0.0106718	5.66E-03	1.40E-03	1.08E-03
678	565373.2	4221968	0.0106397	5.64E-03	1.40E-03	1.08E-03
679	565363.3	4221968	0.0106159	5.63E-03	1.39E-03	1.08E-03
680	565353.4	4221968	0.0105964	5.62E-03	1.39E-03	1.08E-03
681	565343.5	4221968	0.0105813	5.61E-03	1.39E-03	1.08E-03
682	565333.6	4221968	0.0105712	5.60E-03	1.39E-03	1.07E-03
683	565323.7	4221968	0.010565	5.60E-03	1.39E-03	1.07E-03
684	565313.8	4221968	0.0105629	5.60E-03	1.39E-03	1.07E-03
685	565303.9	4221968	0.0105647	5.60E-03	1.39E-03	1.07E-03
686	565294	4221968	0.01057	5.60E-03	1.39E-03	1.07E-03
687	565284.1	4221968	0.0105791	5.61E-03	1.39E-03	1.08E-03
688	565537.4	4221972	0.0116223	6.16E-03	1.53E-03	1.18E-03
689	565546.3	4221976	0.0118628	6.29E-03	1.56E-03	1.21E-03
690	565555.1	4221979	0.0121038	6.42E-03	1.59E-03	1.23E-03
691	565564	4221983	0.0123444	6.54E-03	1.62E-03	1.25E-03
692	565572.8	4221987	0.012583	6.67E-03	1.65E-03	1.28E-03
693	565599.4	4221998	0.0132853	7.04E-03	1.74E-03	1.35E-03
694	565608.3	4222001	0.0135117	7.16E-03	1.77E-03	1.37E-03
695	565617.2	4222005	0.0137327	7.28E-03	1.80E-03	1.40E-03
696	565626	4222008	0.0139393	7.39E-03	1.83E-03	1.42E-03
697	565634.9	4222012	0.0141451	7.50E-03	1.86E-03	1.44E-03
698	565643.7	4222016	0.0143427	7.60E-03	1.88E-03	1.46E-03
699	565652.6	4222019	0.0145284	7.70E-03	1.91E-03	1.48E-03
700	565502	4221957	0.0106773	5.66E-03	1.40E-03	1.09E-03
701	565492.1	4221957	0.0106347	5.64E-03	1.40E-03	1.08E-03
702	565482.1	4221957	0.010589	5.61E-03	1.39E-03	1.08E-03

703	565472.2	4221957	0.0105422	5.59E-03	1.38E-03	1.07E-03
704	565462.3	4221957	0.0104949	5.56E-03	1.38E-03	1.07E-03
705	565452.4	4221958	0.0104499	5.54E-03	1.37E-03	1.06E-03
706	565442.5	4221958	0.0104051	5.52E-03	1.37E-03	1.06E-03
707	565432.6	4221958	0.0103614	5.49E-03	1.36E-03	1.05E-03
708	565422.7	4221958	0.0103168	5.47E-03	1.35E-03	1.05E-03
709	565412.8	4221958	0.0102745	5.45E-03	1.35E-03	1.04E-03
710	565402.9	4221958	0.0102345	5.43E-03	1.34E-03	1.04E-03
711	565393	4221958	0.0101992	5.41E-03	1.34E-03	1.04E-03
712	565383.1	4221958	0.0101669	5.39E-03	1.34E-03	1.03E-03
713	565373.2	4221958	0.0101384	5.38E-03	1.33E-03	1.03E-03
714	565363.3	4221958	0.0101157	5.36E-03	1.33E-03	1.03E-03
715	565353.4	4221958	0.010097	5.35E-03	1.33E-03	1.03E-03
716	565343.5	4221958	0.0100829	5.35E-03	1.32E-03	1.02E-03
717	565333.6	4221958	0.0100725	5.34E-03	1.32E-03	1.02E-03
718	565323.7	4221958	0.0100661	5.34E-03	1.32E-03	1.02E-03
719	565313.8	4221958	0.0100635	5.34E-03	1.32E-03	1.02E-03
720	565303.9	4221958	0.0100645	5.34E-03	1.32E-03	1.02E-03
721	565294	4221958	0.0100688	5.34E-03	1.32E-03	1.02E-03
722	565284	4221958	0.0100766	5.34E-03	1.32E-03	1.02E-03
723	565537.1	4221962	0.0110554	5.86E-03	1.45E-03	1.12E-03
724	565545.8	4221966	0.0112791	5.98E-03	1.48E-03	1.15E-03
725	565554.6	4221969	0.0115034	6.10E-03	1.51E-03	1.17E-03
726	565563.4	4221973	0.0117261	6.22E-03	1.54E-03	1.19E-03
727	565572.2	4221976	0.0119482	6.33E-03	1.57E-03	1.21E-03
728	565598.5	4221987	0.0126038	6.68E-03	1.66E-03	1.28E-03
729	565607.3	4221991	0.0128169	6.80E-03	1.68E-03	1.30E-03
730	565616.1	4221995	0.0130249	6.91E-03	1.71E-03	1.32E-03
731	565624.8	4221998	0.0132279	7.01E-03	1.74E-03	1.34E-03
732	565633.6	4222002	0.0134196	7.12E-03	1.76E-03	1.36E-03
733	565642.4	4222005	0.0136083	7.22E-03	1.79E-03	1.38E-03
734	565651.2	4222009	0.0137891	7.31E-03	1.81E-03	1.40E-03
735	565660	4222013	0.0139603	7.40E-03	1.83E-03	1.42E-03
736	565668.7	4222016	0.0141209	7.49E-03	1.85E-03	1.44E-03
737	565677.5	4222020	0.0142686	7.57E-03	1.87E-03	1.45E-03
738	565529.2	4221949	0.0103503	5.49E-03	1.36E-03	1.05E-03
739	565538.2	4221953	0.0105679	5.60E-03	1.39E-03	1.07E-03
740	565547.3	4221956	0.0107858	5.72E-03	1.42E-03	1.10E-03
741	565556.4	4221960	0.0110032	5.83E-03	1.45E-03	1.12E-03
742	565565.5	4221964	0.0112189	5.95E-03	1.47E-03	1.14E-03
743	565574.6	4221968	0.0114346	6.06E-03	1.50E-03	1.16E-03
744	565601.8	4221979	0.0120709	6.40E-03	1.59E-03	1.23E-03
745	565610.9	4221983	0.0122776	6.51E-03	1.61E-03	1.25E-03
746	565629.1	4221990	0.0126779	6.72E-03	1.66E-03	1.29E-03
747	565638.1	4221994	0.012869	6.82E-03	1.69E-03	1.31E-03
748	565647.2	4221998	0.0130516	6.92E-03	1.71E-03	1.33E-03
749	565656.3	4222001	0.0132271	7.01E-03	1.74E-03	1.34E-03

750	565665.4	4222005	0.0133948	7.10E-03	1.76E-03	1.36E-03
751	565674.5	4222009	0.0135523	7.19E-03	1.78E-03	1.38E-03
752	565683.5	4222012	0.013695	7.26E-03	1.80E-03	1.39E-03
753	565692.6	4222016	0.013828	7.33E-03	1.82E-03	1.41E-03
754	565701.7	4222020	0.0139497	7.40E-03	1.83E-03	1.42E-03
755	565528.9	4221939	0.0098777	5.24E-03	1.30E-03	1.00E-03
756	565537.9	4221943	0.0100792	5.34E-03	1.32E-03	1.02E-03
757	565546.9	4221946	0.0102821	5.45E-03	1.35E-03	1.04E-03
758	565555.9	4221950	0.0104845	5.56E-03	1.38E-03	1.07E-03
759	565564.8	4221954	0.0106854	5.67E-03	1.40E-03	1.09E-03
760	565573.8	4221958	0.0108859	5.77E-03	1.43E-03	1.11E-03
761	565600.8	4221969	0.0114807	6.09E-03	1.51E-03	1.17E-03
762	565609.8	4221972	0.0116745	6.19E-03	1.53E-03	1.19E-03
763	565618.8	4221976	0.0118653	6.29E-03	1.56E-03	1.21E-03
764	565627.8	4221980	0.0120522	6.39E-03	1.58E-03	1.22E-03
765	565636.8	4221983	0.0122345	6.49E-03	1.61E-03	1.24E-03
766	565645.8	4221987	0.0124116	6.58E-03	1.63E-03	1.26E-03
767	565654.8	4221991	0.0125803	6.67E-03	1.65E-03	1.28E-03
768	565663.8	4221995	0.0127422	6.76E-03	1.67E-03	1.29E-03
769	565672.8	4221998	0.0128965	6.84E-03	1.69E-03	1.31E-03
770	565681.8	4222002	0.0130399	6.91E-03	1.71E-03	1.33E-03
771	565690.8	4222006	0.0131732	6.98E-03	1.73E-03	1.34E-03
772	565699.7	4222009	0.013296	7.05E-03	1.75E-03	1.35E-03
773	565708.7	4222013	0.0134082	7.11E-03	1.76E-03	1.36E-03
774	565537.2	4221922	0.0091919	4.87E-03	1.21E-03	9.34E-04
775	565546.1	4221926	0.0093659	4.97E-03	1.23E-03	9.52E-04
776	565554.9	4221930	0.0095415	5.06E-03	1.25E-03	9.70E-04
777	565563.8	4221933	0.0097181	5.15E-03	1.28E-03	9.88E-04
778	565572.6	4221937	0.0098937	5.25E-03	1.30E-03	1.01E-03
779	565599.2	4221948	0.0104139	5.52E-03	1.37E-03	1.06E-03
780	565608	4221952	0.0105846	5.61E-03	1.39E-03	1.08E-03
781	565616.8	4221955	0.0107534	5.70E-03	1.41E-03	1.09E-03
782	565625.7	4221959	0.0109199	5.79E-03	1.43E-03	1.11E-03
783	565634.5	4221963	0.0110836	5.88E-03	1.46E-03	1.13E-03
784	565643.4	4221966	0.011244	5.96E-03	1.48E-03	1.14E-03
785	565652.2	4221970	0.0114004	6.04E-03	1.50E-03	1.16E-03
786	565661.1	4221973	0.0115512	6.12E-03	1.52E-03	1.17E-03
787	565669.9	4221977	0.0116946	6.20E-03	1.54E-03	1.19E-03
788	565678.8	4221981	0.0118321	6.27E-03	1.55E-03	1.20E-03
789	565687.6	4221984	0.0119632	6.34E-03	1.57E-03	1.22E-03
790	565696.5	4221988	0.0120863	6.41E-03	1.59E-03	1.23E-03
791	565705.3	4221992	0.0122018	6.47E-03	1.60E-03	1.24E-03
792	565714.2	4221995	0.0123097	6.53E-03	1.62E-03	1.25E-03
793	565723	4221999	0.0124079	6.58E-03	1.63E-03	1.26E-03
794	565735.5	4222011	0.0129335	6.86E-03	1.70E-03	1.31E-03
795	565739.2	4222020	0.0133846	7.10E-03	1.76E-03	1.36E-03
796	565538	4221903	0.0084487	4.48E-03	1.11E-03	8.59E-04

797	565547	4221907	0.0086046	4.56E-03	1.13E-03	8.74E-04
798	565556.1	4221910	0.0087624	4.65E-03	1.15E-03	8.90E-04
799	565565.1	4221914	0.0089226	4.73E-03	1.17E-03	9.07E-04
800	565574.1	4221918	0.009083	4.82E-03	1.19E-03	9.23E-04
801	565637.4	4221944	0.0101704	5.39E-03	1.34E-03	1.03E-03
802	565646.5	4221947	0.0103189	5.47E-03	1.36E-03	1.05E-03
803	565655.5	4221951	0.0104638	5.55E-03	1.37E-03	1.06E-03
804	565664.6	4221955	0.0106036	5.62E-03	1.39E-03	1.08E-03
805	565673.6	4221959	0.0107383	5.69E-03	1.41E-03	1.09E-03
806	565682.7	4221962	0.0108696	5.76E-03	1.43E-03	1.10E-03
807	565691.7	4221966	0.0109947	5.83E-03	1.44E-03	1.12E-03
808	565700.7	4221970	0.0111137	5.89E-03	1.46E-03	1.13E-03
809	565709.8	4221973	0.0112264	5.95E-03	1.47E-03	1.14E-03
810	565718.8	4221977	0.0113338	6.01E-03	1.49E-03	1.15E-03
811	565727.9	4221981	0.0114336	6.06E-03	1.50E-03	1.16E-03
812	565736.9	4221985	0.0115241	6.11E-03	1.51E-03	1.17E-03
813	565749.7	4221997	0.0120045	6.36E-03	1.58E-03	1.22E-03
814	565753.5	4222006	0.0124143	6.58E-03	1.63E-03	1.26E-03
815	565757.2	4222015	0.0128327	6.80E-03	1.69E-03	1.30E-03
816	565537.4	4221883	0.0077768	4.12E-03	1.02E-03	7.90E-04
817	565546.3	4221886	0.007914	4.20E-03	1.04E-03	8.04E-04
818	565555.2	4221890	0.008052	4.27E-03	1.06E-03	8.18E-04
819	565564.1	4221894	0.0081922	4.34E-03	1.08E-03	8.33E-04
820	565573	4221897	0.008333	4.42E-03	1.09E-03	8.47E-04
821	565671	4221938	0.0098126	5.20E-03	1.29E-03	9.97E-04
822	565679.9	4221941	0.0099342	5.27E-03	1.30E-03	1.01E-03
823	565688.8	4221945	0.0100525	5.33E-03	1.32E-03	1.02E-03
824	565697.7	4221949	0.0101675	5.39E-03	1.34E-03	1.03E-03
825	565706.6	4221952	0.0102764	5.45E-03	1.35E-03	1.04E-03
826	565715.5	4221956	0.0103798	5.50E-03	1.36E-03	1.05E-03
827	565724.4	4221960	0.0104784	5.56E-03	1.38E-03	1.06E-03
828	565733.3	4221963	0.0105713	5.60E-03	1.39E-03	1.07E-03
829	565742.2	4221967	0.0106575	5.65E-03	1.40E-03	1.08E-03
830	565751.2	4221971	0.0107366	5.69E-03	1.41E-03	1.09E-03
831	565763.8	4221983	0.0111614	5.92E-03	1.47E-03	1.13E-03
832	565767.5	4221992	0.0115224	6.11E-03	1.51E-03	1.17E-03
833	565771.2	4222001	0.011892	6.31E-03	1.56E-03	1.21E-03
834	565774.9	4222010	0.0122682	6.50E-03	1.61E-03	1.25E-03
835	565778.6	4222019	0.0126503	6.71E-03	1.66E-03	1.29E-03
836	565538	4221863	0.0072015	3.82E-03	9.46E-04	7.32E-04
837	565547.1	4221867	0.0073279	3.89E-03	9.62E-04	7.45E-04
838	565556.2	4221870	0.0074545	3.95E-03	9.79E-04	7.58E-04
839	565565.3	4221874	0.0075819	4.02E-03	9.96E-04	7.71E-04
840	565574.4	4221878	0.0077098	4.09E-03	1.01E-03	7.84E-04
841	565719.7	4221938	0.0096086	5.09E-03	1.26E-03	9.76E-04
842	565728.8	4221941	0.0097031	5.14E-03	1.27E-03	9.86E-04
843	565737.8	4221945	0.0097916	5.19E-03	1.29E-03	9.95E-04

844	565746.9	4221949	0.0098757	5.24E-03	1.30E-03	1.00E-03
845	565756	4221953	0.0099546	5.28E-03	1.31E-03	1.01E-03
846	565765.1	4221956	0.0100276	5.32E-03	1.32E-03	1.02E-03
847	565781.7	4221978	0.0107475	5.70E-03	1.41E-03	1.09E-03
848	565785.5	4221987	0.0110861	5.88E-03	1.46E-03	1.13E-03
849	565789.3	4221996	0.0114315	6.06E-03	1.50E-03	1.16E-03
850	565793.1	4222005	0.0117837	6.25E-03	1.55E-03	1.20E-03
851	565537.5	4221843	0.0066767	3.54E-03	8.77E-04	6.79E-04
852	565546.5	4221846	0.0067883	3.60E-03	8.92E-04	6.90E-04
853	565555.4	4221850	0.0069012	3.66E-03	9.06E-04	7.01E-04
854	565564.4	4221854	0.0070135	3.72E-03	9.21E-04	7.13E-04
855	565573.3	4221857	0.0071261	3.78E-03	9.36E-04	7.24E-04
856	565761.4	4221935	0.0092609	4.91E-03	1.22E-03	9.41E-04
857	565538.1	4221823	0.0062232	3.30E-03	8.17E-04	6.32E-04
858	565547.2	4221827	0.0063241	3.35E-03	8.31E-04	6.43E-04
859	565556.3	4221830	0.0064271	3.41E-03	8.44E-04	6.53E-04
860	565565.4	4221834	0.0065316	3.46E-03	8.58E-04	6.64E-04
861	565574.5	4221838	0.006636	3.52E-03	8.71E-04	6.74E-04
862	565855.5	4222059	0.0126906	6.73E-03	1.67E-03	1.29E-03
863	565859.3	4222068	0.0129964	6.89E-03	1.71E-03	1.32E-03
864	565863.1	4222077	0.0133205	7.06E-03	1.75E-03	1.35E-03
865	565866.9	4222086	0.0136395	7.23E-03	1.79E-03	1.39E-03
866	565870.7	4222095	0.0139534	7.40E-03	1.83E-03	1.42E-03
867	565874.5	4222105	0.0142446	7.55E-03	1.87E-03	1.45E-03
868	565537.6	4221803	0.0058076	3.08E-03	7.63E-04	5.90E-04
869	565546.6	4221806	0.0058977	3.13E-03	7.75E-04	5.99E-04
870	565555.6	4221810	0.0059888	3.18E-03	7.87E-04	6.09E-04
871	565564.6	4221814	0.0060819	3.22E-03	7.99E-04	6.18E-04
872	565573.6	4221818	0.0061756	3.27E-03	8.11E-04	6.28E-04
873	565582.6	4221821	0.0062693	3.32E-03	8.23E-04	6.37E-04
874	565846.5	4221989	0.010395	5.51E-03	1.37E-03	1.06E-03
875	565850.2	4221998	0.0106666	5.66E-03	1.40E-03	1.08E-03
876	565853.9	4222007	0.0106455	5.64E-03	1.40E-03	1.08E-03
877	565857.7	4222016	0.0109259	5.79E-03	1.43E-03	1.11E-03
878	565872.7	4222052	0.0120478	6.39E-03	1.58E-03	1.22E-03
879	565876.4	4222061	0.0123311	6.54E-03	1.62E-03	1.25E-03
880	565880.2	4222070	0.0126194	6.69E-03	1.66E-03	1.28E-03
881	565883.9	4222079	0.0129063	6.84E-03	1.69E-03	1.31E-03
882	565887.6	4222088	0.0131796	6.99E-03	1.73E-03	1.34E-03
883	565891.4	4222097	0.0134444	7.13E-03	1.77E-03	1.37E-03
884	565895.1	4222106	0.0136906	7.26E-03	1.80E-03	1.39E-03
885	565898.9	4222115	0.0139326	7.39E-03	1.83E-03	1.42E-03
886	565902.6	4222124	0.0141728	7.51E-03	1.86E-03	1.44E-03
887	565906.4	4222133	0.0144123	7.64E-03	1.89E-03	1.46E-03
888	565538.1	4221783	0.0054428	2.89E-03	7.15E-04	5.53E-04
889	565547.2	4221787	0.0055268	2.93E-03	7.26E-04	5.62E-04
890	565556.4	4221790	0.0056113	2.98E-03	7.37E-04	5.70E-04

891	565565.5	4221794	0.0056975	3.02E-03	7.48E-04	5.79E-04
892	565574.7	4221798	0.0057839	3.07E-03	7.60E-04	5.88E-04
893	565583.8	4221802	0.0058704	3.11E-03	7.71E-04	5.97E-04
894	565864.8	4221985	0.0097255	5.16E-03	1.28E-03	9.88E-04
895	565868.7	4221995	0.0099774	5.29E-03	1.31E-03	1.01E-03
896	565872.5	4222004	0.0102263	5.42E-03	1.34E-03	1.04E-03
897	565876.3	4222013	0.0104848	5.56E-03	1.38E-03	1.07E-03
898	565880.1	4222022	0.0107493	5.70E-03	1.41E-03	1.09E-03
899	565883.9	4222031	0.0110145	5.84E-03	1.45E-03	1.12E-03
900	565887.7	4222040	0.0112804	5.98E-03	1.48E-03	1.15E-03
901	565891.5	4222049	0.0115453	6.12E-03	1.52E-03	1.17E-03
902	565895.3	4222058	0.0118076	6.26E-03	1.55E-03	1.20E-03
903	565899.1	4222068	0.0120681	6.40E-03	1.58E-03	1.23E-03
904	565902.9	4222077	0.0123242	6.53E-03	1.62E-03	1.25E-03
905	565906.7	4222086	0.0125745	6.67E-03	1.65E-03	1.28E-03
906	565910.5	4222095	0.0128198	6.80E-03	1.68E-03	1.30E-03
907	565914.3	4222104	0.0130572	6.92E-03	1.71E-03	1.33E-03
908	565918.1	4222113	0.0132863	7.04E-03	1.74E-03	1.35E-03
909	565921.9	4222122	0.0135067	7.16E-03	1.77E-03	1.37E-03
910	565886.1	4221988	0.0095583	5.07E-03	1.26E-03	9.71E-04
911	565889.8	4221997	0.0097823	5.19E-03	1.28E-03	9.94E-04
912	565893.6	4222006	0.0100128	5.31E-03	1.31E-03	1.02E-03
913	565897.3	4222015	0.0102523	5.44E-03	1.35E-03	1.04E-03
914	565901.1	4222024	0.0104868	5.56E-03	1.38E-03	1.07E-03
915	565904.9	4222033	0.0107154	5.68E-03	1.41E-03	1.09E-03
916	565908.6	4222042	0.0109502	5.81E-03	1.44E-03	1.11E-03
917	565912.4	4222051	0.0111883	5.93E-03	1.47E-03	1.14E-03
918	565916.1	4222060	0.0114248	6.06E-03	1.50E-03	1.16E-03
919	565919.9	4222069	0.0116559	6.18E-03	1.53E-03	1.18E-03
920	565923.7	4222078	0.0118836	6.30E-03	1.56E-03	1.21E-03
921	565927.4	4222087	0.0121053	6.42E-03	1.59E-03	1.23E-03
922	565931.2	4222096	0.0123212	6.53E-03	1.62E-03	1.25E-03
923	565934.9	4222106	0.0125295	6.64E-03	1.65E-03	1.27E-03
924	565590.8	4221765	0.0052163	2.77E-03	6.85E-04	5.30E-04
925	565599.7	4221768	0.0052878	2.80E-03	6.94E-04	5.37E-04
926	565608.7	4221772	0.0053586	2.84E-03	7.04E-04	5.45E-04
927	565617.6	4221776	0.0054286	2.88E-03	7.13E-04	5.52E-04
928	565626.5	4221779	0.0054981	2.92E-03	7.22E-04	5.59E-04
929	565907.2	4221991	0.0093696	4.97E-03	1.23E-03	9.52E-04
930	565910.9	4222000	0.0095903	5.08E-03	1.26E-03	9.75E-04
931	565914.6	4222009	0.0098089	5.20E-03	1.29E-03	9.97E-04
932	565918.3	4222018	0.0100116	5.31E-03	1.31E-03	1.02E-03
933	565922	4222027	0.0102194	5.42E-03	1.34E-03	1.04E-03
934	565925.8	4222035	0.0104316	5.53E-03	1.37E-03	1.06E-03
935	565929.5	4222044	0.0106454	5.64E-03	1.40E-03	1.08E-03
936	565944.4	4222080	0.0114502	6.07E-03	1.50E-03	1.16E-03
937	565948.1	4222089	0.0116488	6.18E-03	1.53E-03	1.18E-03

938	565546.7	4221727	0.004591	2.43E-03	6.03E-04	4.67E-04
939	565555.8	4221730	0.0046546	2.47E-03	6.11E-04	4.73E-04
940	565564.8	4221734	0.0047185	2.50E-03	6.20E-04	4.80E-04
941	565573.9	4221738	0.004783	2.54E-03	6.28E-04	4.86E-04
942	565583	4221741	0.0048482	2.57E-03	6.37E-04	4.93E-04
943	565592	4221745	0.0049139	2.61E-03	6.45E-04	4.99E-04
944	565601.1	4221749	0.0049802	2.64E-03	6.54E-04	5.06E-04
945	565610.1	4221753	0.0050467	2.68E-03	6.63E-04	5.13E-04
946	565619.2	4221756	0.0051127	2.71E-03	6.71E-04	5.20E-04
947	565628.3	4221760	0.0051747	2.74E-03	6.80E-04	5.26E-04
948	565682.6	4221782	0.0055596	2.95E-03	7.30E-04	5.65E-04
949	565691.7	4221786	0.0056227	2.98E-03	7.38E-04	5.71E-04
950	565700.8	4221790	0.0056857	3.01E-03	7.47E-04	5.78E-04
951	565709.8	4221794	0.0057483	3.05E-03	7.55E-04	5.84E-04
952	565937	4222015	0.00964	5.11E-03	1.27E-03	9.80E-04
953	565940.8	4222024	0.0098454	5.22E-03	1.29E-03	1.00E-03
954	565519.3	4221695	0.0041627	2.21E-03	5.47E-04	4.23E-04
955	565528.3	4221699	0.0042192	2.24E-03	5.54E-04	4.29E-04
956	565537.2	4221703	0.0042761	2.27E-03	5.62E-04	4.35E-04
957	565546.2	4221706	0.0043335	2.30E-03	5.69E-04	4.40E-04
958	565555.2	4221710	0.0043913	2.33E-03	5.77E-04	4.46E-04
959	565564.1	4221714	0.0044495	2.36E-03	5.84E-04	4.52E-04
960	565573.1	4221717	0.004508	2.39E-03	5.92E-04	4.58E-04
961	565582.1	4221721	0.0045668	2.42E-03	6.00E-04	4.64E-04
962	565591.1	4221725	0.0046257	2.45E-03	6.07E-04	4.70E-04
963	565600	4221729	0.0046847	2.48E-03	6.15E-04	4.76E-04
964	565680.8	4221762	0.0052158	2.77E-03	6.85E-04	5.30E-04
965	565689.7	4221765	0.0052741	2.80E-03	6.93E-04	5.36E-04
966	565698.7	4221769	0.0053318	2.83E-03	7.00E-04	5.42E-04
967	565707.7	4221773	0.0053892	2.86E-03	7.08E-04	5.48E-04
968	565716.6	4221776	0.0054463	2.89E-03	7.15E-04	5.53E-04
969	565725.6	4221780	0.0055031	2.92E-03	7.23E-04	5.59E-04
970	565510.4	4221672	0.0038911	2.06E-03	5.11E-04	3.95E-04
971	565519.5	4221675	0.0039442	2.09E-03	5.18E-04	4.01E-04
972	565528.6	4221679	0.0039973	2.12E-03	5.25E-04	4.06E-04
973	565537.7	4221683	0.0040505	2.15E-03	5.32E-04	4.12E-04
974	565546.8	4221687	0.0041042	2.18E-03	5.39E-04	4.17E-04
975	565555.8	4221690	0.0041586	2.20E-03	5.46E-04	4.23E-04
976	565564.9	4221694	0.0042136	2.23E-03	5.53E-04	4.28E-04
977	565574	4221698	0.0042686	2.26E-03	5.61E-04	4.34E-04
978	565583.1	4221702	0.0043234	2.29E-03	5.68E-04	4.39E-04
979	565592.2	4221705	0.0043779	2.32E-03	5.75E-04	4.45E-04
980	565601.3	4221709	0.004433	2.35E-03	5.82E-04	4.51E-04
981	565501.3	4221668	0.0038388	2.04E-03	5.04E-04	3.90E-04
982	565491.4	4221668	0.0038239	2.03E-03	5.02E-04	3.89E-04
983	565392.4	4221668	0.0037065	1.97E-03	4.87E-04	3.77E-04
984	565382.5	4221668	0.003699	1.96E-03	4.86E-04	3.76E-04

985	565372.6	4221668	0.0036925	1.96E-03	4.85E-04	3.75E-04
986	565362.7	4221668	0.0036866	1.95E-03	4.84E-04	3.75E-04
987	565352.7	4221668	0.0036815	1.95E-03	4.83E-04	3.74E-04
988	565342.8	4221668	0.0036772	1.95E-03	4.83E-04	3.74E-04
989	565332.9	4221668	0.0036735	1.95E-03	4.82E-04	3.73E-04
990	565510.3	4221652	0.0036929	1.96E-03	4.85E-04	3.75E-04
991	565519.3	4221655	0.0037415	1.98E-03	4.91E-04	3.80E-04
992	565528.3	4221659	0.0037901	2.01E-03	4.98E-04	3.85E-04
993	565537.3	4221663	0.003839	2.04E-03	5.04E-04	3.90E-04
994	565546.3	4221666	0.0038882	2.06E-03	5.11E-04	3.95E-04
995	565555.3	4221670	0.0039381	2.09E-03	5.17E-04	4.00E-04
996	565564.3	4221674	0.0039892	2.12E-03	5.24E-04	4.05E-04
997	565573.3	4221678	0.0040404	2.14E-03	5.31E-04	4.11E-04
998	565582.3	4221681	0.0040915	2.17E-03	5.37E-04	4.16E-04
999	565591.3	4221685	0.0041417	2.20E-03	5.44E-04	4.21E-04
1000	565600.3	4221689	0.004192	2.22E-03	5.51E-04	4.26E-04
1001	565609.3	4221692	0.0042421	2.25E-03	5.57E-04	4.31E-04
1002	565501.3	4221648	0.0036449	1.93E-03	4.79E-04	3.70E-04
1003	565491.4	4221648	0.003631	1.93E-03	4.77E-04	3.69E-04
1004	565481.5	4221648	0.0036184	1.92E-03	4.75E-04	3.68E-04
1005	565422	4221648	0.0035496	1.88E-03	4.66E-04	3.61E-04
1006	565412.1	4221648	0.0035391	1.88E-03	4.65E-04	3.60E-04
1007	565402.2	4221648	0.0035294	1.87E-03	4.64E-04	3.59E-04
1008	565392.3	4221648	0.0035218	1.87E-03	4.63E-04	3.58E-04
1009	565382.4	4221648	0.0035149	1.86E-03	4.62E-04	3.57E-04
1010	565372.5	4221648	0.0035089	1.86E-03	4.61E-04	3.57E-04
1011	565362.6	4221648	0.0035035	1.86E-03	4.60E-04	3.56E-04
1012	565352.7	4221648	0.0034987	1.86E-03	4.59E-04	3.56E-04
1013	565342.8	4221648	0.0034947	1.85E-03	4.59E-04	3.55E-04
1014	565332.9	4221648	0.0034913	1.85E-03	4.59E-04	3.55E-04
1015	565323	4221648	0.0034885	1.85E-03	4.58E-04	3.55E-04
1016	565313.1	4221648	0.0034864	1.85E-03	4.58E-04	3.54E-04
1017	565510.3	4221632	0.0035112	1.86E-03	4.61E-04	3.57E-04
1018	565519.5	4221635	0.0035569	1.89E-03	4.67E-04	3.61E-04
1019	565528.6	4221639	0.0036026	1.91E-03	4.73E-04	3.66E-04
1020	565537.7	4221643	0.0036484	1.93E-03	4.79E-04	3.71E-04
1021	565546.8	4221647	0.0036946	1.96E-03	4.85E-04	3.75E-04
1022	565555.9	4221650	0.0037416	1.98E-03	4.91E-04	3.80E-04
1023	565565	4221654	0.0037897	2.01E-03	4.98E-04	3.85E-04
1024	565574.1	4221658	0.0038378	2.03E-03	5.04E-04	3.90E-04
1025	565583.2	4221662	0.0038861	2.06E-03	5.10E-04	3.95E-04
1026	565592.3	4221665	0.0039337	2.09E-03	5.17E-04	4.00E-04
1027	565601.4	4221669	0.0039814	2.11E-03	5.23E-04	4.05E-04
1028	565610.5	4221673	0.004029	2.14E-03	5.29E-04	4.09E-04
1029	565501.2	4221628	0.0034662	1.84E-03	4.55E-04	3.52E-04
1030	565491.3	4221628	0.0034532	1.83E-03	4.54E-04	3.51E-04
1031	565481.4	4221628	0.0034414	1.82E-03	4.52E-04	3.50E-04

1032	565471.5	4221628	0.0034298	1.82E-03	4.50E-04	3.49E-04
1033	565461.6	4221628	0.0034186	1.81E-03	4.49E-04	3.47E-04
1034	565412.1	4221628	0.0033693	1.79E-03	4.42E-04	3.42E-04
1035	565402.2	4221628	0.0033609	1.78E-03	4.41E-04	3.42E-04
1036	565392.3	4221628	0.0033531	1.78E-03	4.40E-04	3.41E-04
1037	565382.4	4221628	0.0033459	1.77E-03	4.39E-04	3.40E-04
1038	565372.5	4221628	0.0033395	1.77E-03	4.39E-04	3.39E-04
1039	565362.6	4221628	0.0033345	1.77E-03	4.38E-04	3.39E-04
1040	565352.7	4221628	0.0033301	1.77E-03	4.37E-04	3.38E-04
1041	565342.8	4221628	0.0033263	1.76E-03	4.37E-04	3.38E-04
1042	565332.8	4221628	0.0033232	1.76E-03	4.36E-04	3.38E-04
1043	565322.9	4221628	0.0033206	1.76E-03	4.36E-04	3.37E-04
1044	565313	4221628	0.0033186	1.76E-03	4.36E-04	3.37E-04
1045	565303.1	4221628	0.003317	1.76E-03	4.36E-04	3.37E-04
1046	565293.2	4221628	0.003316	1.76E-03	4.35E-04	3.37E-04
1047	565225.7	4222171	0.0463389	2.46E-02	6.09E-03	4.71E-03
1048	565208.3	4222177	0.0467965	2.48E-02	6.15E-03	4.76E-03
1049	565219.1	4222165	0.0428615	2.27E-02	5.63E-03	4.36E-03
1050	565200.9	4222170	0.0433815	2.30E-02	5.70E-03	4.41E-03
1051	565211.6	4222158	0.0398707	2.11E-02	5.24E-03	4.05E-03
1052	565191	4222172	0.0429912	2.28E-02	5.65E-03	4.37E-03
1053	565181	4222174	0.0424662	2.25E-02	5.58E-03	4.32E-03
1054	565186.2	4222157	0.0376741	2.00E-02	4.95E-03	3.83E-03
1055	565171.1	4222175	0.0418373	2.22E-02	5.49E-03	4.25E-03
1056	565176.3	4222159	0.037402	1.98E-02	4.91E-03	3.80E-03
1057	565276.1	4222040	0.0160295	8.50E-03	2.11E-03	1.63E-03
1058	564991.1	4222671	0.0077875	4.13E-03	1.02E-03	7.91E-04
1059	564984.1	4222659	0.0082547	4.38E-03	1.08E-03	8.39E-04
1060	564992.5	4222711	0.0063519	3.37E-03	8.34E-04	6.46E-04
1061	564985.6	4222699	0.0067437	3.58E-03	8.86E-04	6.85E-04
1062	564978.6	4222686	0.0071533	3.79E-03	9.39E-04	7.27E-04
1063	564971.6	4222674	0.0075775	4.02E-03	9.95E-04	7.70E-04
1064	564964.7	4222662	0.0080139	4.25E-03	1.05E-03	8.14E-04
1065	564994.1	4222751	0.005211	2.76E-03	6.84E-04	5.30E-04
1066	564987.1	4222739	0.0055288	2.93E-03	7.26E-04	5.62E-04
1067	564980.1	4222727	0.0058655	3.11E-03	7.70E-04	5.96E-04
1068	564973.1	4222714	0.0062201	3.30E-03	8.17E-04	6.32E-04
1069	564966.1	4222702	0.0065912	3.49E-03	8.66E-04	6.70E-04
1070	564959.2	4222690	0.006977	3.70E-03	9.16E-04	7.09E-04
1071	564952.2	4222677	0.007375	3.91E-03	9.69E-04	7.50E-04
1072	564945.2	4222665	0.0077828	4.13E-03	1.02E-03	7.91E-04
1073	564938.2	4222653	0.0081972	4.35E-03	1.08E-03	8.33E-04
1074	564988.7	4222779	0.0045708	2.42E-03	6.00E-04	4.65E-04
1075	564981.7	4222767	0.0048405	2.57E-03	6.36E-04	4.92E-04
1076	564974.7	4222755	0.0051278	2.72E-03	6.73E-04	5.21E-04
1077	564967.7	4222742	0.0054328	2.88E-03	7.13E-04	5.52E-04
1078	564960.7	4222730	0.0057542	3.05E-03	7.56E-04	5.85E-04

1079	564953.7	4222718	0.0060912	3.23E-03	8.00E-04	6.19E-04
1080	564946.7	4222705	0.0064426	3.42E-03	8.46E-04	6.55E-04
1081	564939.7	4222693	0.0068059	3.61E-03	8.94E-04	6.92E-04
1082	564932.7	4222681	0.0071791	3.81E-03	9.43E-04	7.30E-04
1083	564925.7	4222668	0.0075602	4.01E-03	9.93E-04	7.68E-04
1084	564918.6	4222656	0.0079458	4.21E-03	1.04E-03	8.08E-04
1085	564993.4	4222805	0.0040748	2.16E-03	5.35E-04	4.14E-04
1086	564976.4	4222795	0.0042636	2.26E-03	5.60E-04	4.33E-04
1087	564969.5	4222783	0.0045026	2.39E-03	5.91E-04	4.58E-04
1088	564962.6	4222771	0.0047579	2.52E-03	6.25E-04	4.84E-04
1089	564955.7	4222759	0.0050289	2.67E-03	6.60E-04	5.11E-04
1090	564948.8	4222747	0.0053147	2.82E-03	6.98E-04	5.40E-04
1091	564941.9	4222734	0.0056149	2.98E-03	7.37E-04	5.71E-04
1092	564935	4222722	0.0059282	3.14E-03	7.79E-04	6.02E-04
1093	564928.1	4222710	0.006253	3.32E-03	8.21E-04	6.35E-04
1094	564921.2	4222698	0.0065881	3.49E-03	8.65E-04	6.70E-04
1095	564914.3	4222686	0.0069312	3.67E-03	9.10E-04	7.04E-04
1096	564907.4	4222673	0.0072798	3.86E-03	9.56E-04	7.40E-04
1097	564900.5	4222661	0.0076322	4.05E-03	1.00E-03	7.76E-04
1098	564994.6	4222825	0.003748	1.99E-03	4.92E-04	3.81E-04
1099	564981.1	4222821	0.0038171	2.02E-03	5.01E-04	3.88E-04
1100	564964.1	4222811	0.0039887	2.11E-03	5.24E-04	4.05E-04
1101	564957.2	4222799	0.0042059	2.23E-03	5.52E-04	4.27E-04
1102	564950.2	4222787	0.0044382	2.35E-03	5.83E-04	4.51E-04
1103	564943.3	4222774	0.0046847	2.48E-03	6.15E-04	4.76E-04
1104	564936.4	4222762	0.0049452	2.62E-03	6.49E-04	5.03E-04
1105	564929.5	4222750	0.0052189	2.77E-03	6.85E-04	5.30E-04
1106	564922.6	4222738	0.0055051	2.92E-03	7.23E-04	5.59E-04
1107	564915.6	4222725	0.0058026	3.08E-03	7.62E-04	5.90E-04
1108	564908.7	4222713	0.0061102	3.24E-03	8.02E-04	6.21E-04
1109	564901.8	4222701	0.0064258	3.41E-03	8.44E-04	6.53E-04
1110	564894.9	4222689	0.0067478	3.58E-03	8.86E-04	6.86E-04
1111	564887.9	4222677	0.0070741	3.75E-03	9.29E-04	7.19E-04
1112	564881	4222664	0.0074026	3.92E-03	9.72E-04	7.52E-04
1113	564874.1	4222652	0.0077311	4.10E-03	1.02E-03	7.86E-04
1114	564995.8	4222844	0.0034574	1.83E-03	4.54E-04	3.51E-04
1115	564982.3	4222840	0.0035199	1.87E-03	4.62E-04	3.58E-04
1116	564968.8	4222837	0.003583	1.90E-03	4.71E-04	3.64E-04
1117	564951.7	4222827	0.0037404	1.98E-03	4.91E-04	3.80E-04
1118	564944.8	4222814	0.0039382	2.09E-03	5.17E-04	4.00E-04
1119	564937.9	4222802	0.00415	2.20E-03	5.45E-04	4.22E-04
1120	564930.9	4222790	0.004375	2.32E-03	5.75E-04	4.45E-04
1121	564924	4222778	0.0046127	2.45E-03	6.06E-04	4.69E-04
1122	564917	4222765	0.004863	2.58E-03	6.39E-04	4.94E-04
1123	564910.1	4222753	0.0051249	2.72E-03	6.73E-04	5.21E-04
1124	564903.1	4222741	0.0053978	2.86E-03	7.09E-04	5.49E-04
1125	564896.2	4222729	0.0056801	3.01E-03	7.46E-04	5.77E-04

1126	564889.3	4222716	0.005971	3.17E-03	7.84E-04	6.07E-04
1127	564882.3	4222704	0.0062683	3.32E-03	8.23E-04	6.37E-04
1128	564875.4	4222692	0.0065709	3.48E-03	8.63E-04	6.68E-04
1129	564868.4	4222680	0.0068761	3.65E-03	9.03E-04	6.99E-04
1130	564861.5	4222667	0.0071828	3.81E-03	9.43E-04	7.30E-04
1131	564854.5	4222655	0.0074882	3.97E-03	9.83E-04	7.61E-04
1132	564997.2	4222864	0.0032001	1.70E-03	4.20E-04	3.25E-04
1133	564983.6	4222860	0.003256	1.73E-03	4.28E-04	3.31E-04
1134	564970	4222856	0.0033133	1.76E-03	4.35E-04	3.37E-04
1135	564956.4	4222852	0.0033716	1.79E-03	4.43E-04	3.43E-04
1136	564939.4	4222842	0.0035157	1.86E-03	4.62E-04	3.57E-04
1137	564932.4	4222830	0.0036966	1.96E-03	4.85E-04	3.76E-04
1138	564925.5	4222818	0.0038899	2.06E-03	5.11E-04	3.95E-04
1139	564918.5	4222806	0.0040954	2.17E-03	5.38E-04	4.16E-04
1140	564911.5	4222793	0.0043129	2.29E-03	5.66E-04	4.38E-04
1141	564904.6	4222781	0.0045419	2.41E-03	5.96E-04	4.62E-04
1142	564897.6	4222769	0.0047821	2.54E-03	6.28E-04	4.86E-04
1143	564890.7	4222756	0.0050325	2.67E-03	6.61E-04	5.11E-04
1144	564883.7	4222744	0.0052924	2.81E-03	6.95E-04	5.38E-04
1145	564876.7	4222732	0.0055606	2.95E-03	7.30E-04	5.65E-04
1146	564869.8	4222720	0.0058353	3.09E-03	7.66E-04	5.93E-04
1147	564862.8	4222707	0.0061157	3.24E-03	8.03E-04	6.22E-04
1148	564855.9	4222695	0.0063996	3.39E-03	8.40E-04	6.50E-04
1149	564848.9	4222683	0.0066856	3.54E-03	8.78E-04	6.79E-04
1150	564841.9	4222671	0.0069715	3.70E-03	9.16E-04	7.08E-04
1151	564835	4222658	0.007256	3.85E-03	9.53E-04	7.37E-04
1152	564998.6	4222884	0.0029718	1.58E-03	3.90E-04	3.02E-04
1153	564985	4222880	0.0030216	1.60E-03	3.97E-04	3.07E-04
1154	564971.4	4222876	0.0030728	1.63E-03	4.04E-04	3.12E-04
1155	564957.7	4222872	0.0031252	1.66E-03	4.10E-04	3.18E-04
1156	564944.1	4222868	0.0031786	1.69E-03	4.17E-04	3.23E-04
1157	564927	4222858	0.0033113	1.76E-03	4.35E-04	3.37E-04
1158	564920.1	4222846	0.0034765	1.84E-03	4.57E-04	3.53E-04
1159	564913.1	4222834	0.0036538	1.94E-03	4.80E-04	3.71E-04
1160	564906.1	4222821	0.0038423	2.04E-03	5.05E-04	3.90E-04
1161	564899.1	4222809	0.0040415	2.14E-03	5.31E-04	4.11E-04
1162	564892.1	4222797	0.0042517	2.25E-03	5.58E-04	4.32E-04
1163	564885.2	4222784	0.0044722	2.37E-03	5.87E-04	4.54E-04
1164	564878.2	4222772	0.0047025	2.49E-03	6.18E-04	4.78E-04
1165	564871.2	4222760	0.0049417	2.62E-03	6.49E-04	5.02E-04
1166	564864.2	4222747	0.0051892	2.75E-03	6.81E-04	5.27E-04
1167	564857.3	4222735	0.0054433	2.89E-03	7.15E-04	5.53E-04
1168	564850.3	4222723	0.0057034	3.02E-03	7.49E-04	5.80E-04
1169	564843.3	4222710	0.0059673	3.16E-03	7.84E-04	6.06E-04
1170	564836.3	4222698	0.0062342	3.31E-03	8.19E-04	6.34E-04
1171	564829.4	4222686	0.0065018	3.45E-03	8.54E-04	6.61E-04
1172	564822.4	4222674	0.0067691	3.59E-03	8.89E-04	6.88E-04

1173	564815.4	4222661	0.0070338	3.73E-03	9.24E-04	7.15E-04
1174	564992.3	4222890	0.0029079	1.54E-03	3.82E-04	2.96E-04
1175	564996.7	4222814	0.0039129	2.07E-03	5.14E-04	3.98E-04
1176	564988	4222795	0.0042568	2.26E-03	5.59E-04	4.33E-04
1177	564979.3	4222776	0.0046424	2.46E-03	6.10E-04	4.72E-04
1178	564974.5	4222810	0.0040026	2.12E-03	5.26E-04	4.07E-04
1179	564988.6	4222870	0.0031325	1.66E-03	4.11E-04	3.18E-04
1180	564963	4222829	0.0037031	1.96E-03	4.86E-04	3.76E-04
1181	564954.3	4222809	0.0040174	2.13E-03	5.28E-04	4.08E-04
1182	564884.4	4222655	0.0077156	4.09E-03	1.01E-03	7.84E-04
1183	564975.3	4222885	0.0029692	1.57E-03	3.90E-04	3.02E-04
1184	564958.5	4222863	0.0032332	1.71E-03	4.25E-04	3.29E-04
1185	564949.8	4222844	0.0034918	1.85E-03	4.59E-04	3.55E-04
1186	564944.5	4222832	0.00366	1.94E-03	4.81E-04	3.72E-04
1187	564935.8	4222813	0.0039659	2.10E-03	5.21E-04	4.03E-04
1188	564871.3	4222670	0.0071592	3.80E-03	9.40E-04	7.28E-04
1189	564866	4222659	0.0074657	3.96E-03	9.80E-04	7.59E-04
1190	565388.8	4223035	0.0019907	1.06E-03	2.61E-04	2.02E-04
1191	564990.2	4222909	0.0027197	1.44E-03	3.57E-04	2.76E-04
1192	564978.1	4222905	0.0027615	1.46E-03	3.63E-04	2.81E-04
1193	564966	4222901	0.0028045	1.49E-03	3.68E-04	2.85E-04
1194	564952.2	4222893	0.0028896	1.53E-03	3.79E-04	2.94E-04
1195	564947	4222882	0.0030172	1.60E-03	3.96E-04	3.07E-04
1196	564936.5	4222859	0.0032983	1.75E-03	4.33E-04	3.35E-04
1197	564931.3	4222847	0.0034522	1.83E-03	4.53E-04	3.51E-04
1198	564922.6	4222828	0.003732	1.98E-03	4.90E-04	3.79E-04
1199	564858.1	4222686	0.0066575	3.53E-03	8.74E-04	6.77E-04
1200	564852.9	4222674	0.0069413	3.68E-03	9.12E-04	7.05E-04
1201	564847.6	4222663	0.0072271	3.83E-03	9.49E-04	7.34E-04
1202	565391.1	4223055	0.0018957	1.01E-03	2.49E-04	1.93E-04
1203	564993	4222929	0.0025403	1.35E-03	3.34E-04	2.58E-04
1204	564980.9	4222925	0.0025769	1.37E-03	3.38E-04	2.62E-04
1205	564968.8	4222921	0.0026148	1.39E-03	3.43E-04	2.66E-04
1206	564956.8	4222917	0.0026541	1.41E-03	3.49E-04	2.70E-04
1207	564944.7	4222913	0.0026946	1.43E-03	3.54E-04	2.74E-04
1208	564937.2	4222905	0.0027842	1.48E-03	3.66E-04	2.83E-04
1209	564932	4222893	0.0029041	1.54E-03	3.81E-04	2.95E-04
1210	564926.8	4222881	0.0030322	1.61E-03	3.98E-04	3.08E-04
1211	564921.5	4222870	0.003168	1.68E-03	4.16E-04	3.22E-04
1212	564916.3	4222858	0.0033122	1.76E-03	4.35E-04	3.37E-04
1213	564911.1	4222847	0.0034656	1.84E-03	4.55E-04	3.52E-04
1214	564904.1	4222832	0.0036859	1.95E-03	4.84E-04	3.75E-04
1215	564845	4222701	0.0062044	3.29E-03	8.15E-04	6.31E-04
1216	564839.7	4222689	0.0064672	3.43E-03	8.49E-04	6.57E-04
1217	564834.5	4222678	0.0067327	3.57E-03	8.84E-04	6.84E-04
1218	564829.3	4222666	0.0069991	3.71E-03	9.19E-04	7.11E-04
1219	564824.1	4222655	0.0072658	3.85E-03	9.54E-04	7.38E-04

1220	565393.3	4223075	0.001808	9.59E-04	2.37E-04	1.84E-04
1221	564995.7	4222949	0.0023804	1.26E-03	3.13E-04	2.42E-04
1222	564915.2	4222900	0.0028364	1.50E-03	3.73E-04	2.88E-04
1223	564910	4222889	0.0029591	1.57E-03	3.89E-04	3.01E-04
1224	564904.8	4222877	0.0030895	1.64E-03	4.06E-04	3.14E-04
1225	564899.6	4222866	0.0032278	1.71E-03	4.24E-04	3.28E-04
1226	564894.4	4222854	0.0033748	1.79E-03	4.43E-04	3.43E-04
1227	564889.2	4222843	0.0035308	1.87E-03	4.64E-04	3.59E-04
1228	564883.9	4222831	0.0036956	1.96E-03	4.85E-04	3.76E-04
1229	564878.7	4222820	0.0038694	2.05E-03	5.08E-04	3.93E-04
1230	564873.5	4222808	0.004052	2.15E-03	5.32E-04	4.12E-04
1231	564868.3	4222797	0.0042433	2.25E-03	5.57E-04	4.31E-04
1232	564863.1	4222785	0.0044431	2.36E-03	5.84E-04	4.52E-04
1233	564857.9	4222774	0.0046511	2.47E-03	6.11E-04	4.73E-04
1234	564852.7	4222762	0.004867	2.58E-03	6.39E-04	4.95E-04
1235	564847.4	4222751	0.0050898	2.70E-03	6.68E-04	5.17E-04
1236	564842.2	4222739	0.0053191	2.82E-03	6.99E-04	5.41E-04
1237	564837	4222728	0.0055541	2.94E-03	7.29E-04	5.64E-04
1238	564831.8	4222716	0.0057939	3.07E-03	7.61E-04	5.89E-04
1239	564826.6	4222705	0.0060376	3.20E-03	7.93E-04	6.14E-04
1240	564821.4	4222693	0.0062844	3.33E-03	8.25E-04	6.39E-04
1241	564816.1	4222682	0.0065326	3.46E-03	8.58E-04	6.64E-04
1242	564996.7	4222701	0.0067036	3.55E-03	8.80E-04	6.81E-04
1243	564988.7	4222730	0.0057831	3.07E-03	7.59E-04	5.88E-04
1244	564978.2	4222704	0.006542	3.47E-03	8.59E-04	6.65E-04
1245	564974.7	4222696	0.0068142	3.61E-03	8.95E-04	6.93E-04
1246	564964.4	4222719	0.0060554	3.21E-03	7.95E-04	6.15E-04
1247	564961	4222711	0.0062988	3.34E-03	8.27E-04	6.40E-04
1248	564991.9	4222834	0.0036011	1.91E-03	4.73E-04	3.66E-04
1249	564947.2	4222726	0.0058426	3.10E-03	7.67E-04	5.94E-04
1250	564943.7	4222718	0.0060685	3.22E-03	7.97E-04	6.17E-04
1251	564977.6	4222848	0.0034122	1.81E-03	4.48E-04	3.47E-04
1252	564932.2	4222738	0.0055038	2.92E-03	7.23E-04	5.59E-04
1253	564925.2	4222721	0.0059327	3.15E-03	7.79E-04	6.03E-04
1254	564914.9	4222745	0.0053226	2.82E-03	6.99E-04	5.41E-04
1255	564911.4	4222736	0.0055194	2.93E-03	7.25E-04	5.61E-04
1256	564986.8	4222899	0.002812	1.49E-03	3.69E-04	2.86E-04
1257	564978.3	4222896	0.002852	1.51E-03	3.75E-04	2.90E-04
1258	564961.2	4222889	0.0029354	1.56E-03	3.86E-04	2.98E-04
1259	564899.9	4222757	0.0050302	2.67E-03	6.61E-04	5.11E-04
1260	564896.4	4222749	0.0052144	2.76E-03	6.85E-04	5.30E-04
1261	564892.9	4222740	0.0054044	2.87E-03	7.10E-04	5.49E-04
1262	565400.4	4223046	0.0019501	1.03E-03	2.56E-04	1.98E-04
1263	564963.9	4222910	0.0027206	1.44E-03	3.57E-04	2.76E-04
1264	564955.4	4222906	0.0027585	1.46E-03	3.62E-04	2.80E-04
1265	564947	4222903	0.0027973	1.48E-03	3.67E-04	2.84E-04
1266	564882.7	4222764	0.0048742	2.58E-03	6.40E-04	4.95E-04

1267	564879.2	4222755	0.0050467	2.68E-03	6.63E-04	5.13E-04
1268	564966.3	4222931	0.0025314	1.34E-03	3.32E-04	2.57E-04
1269	564957.9	4222927	0.0025646	1.36E-03	3.37E-04	2.61E-04
1270	564949.5	4222924	0.0025986	1.38E-03	3.41E-04	2.64E-04
1271	564932.7	4222917	0.0026694	1.42E-03	3.51E-04	2.71E-04
1272	564872.3	4222787	0.0044152	2.34E-03	5.80E-04	4.49E-04
1273	564861.9	4222762	0.0048866	2.59E-03	6.42E-04	4.97E-04
1274	564855	4222745	0.0052228	2.77E-03	6.86E-04	5.31E-04
1275	565390.9	4223086	0.001754	9.30E-04	2.30E-04	1.78E-04
1276	564896.1	4222893	0.0029174	1.55E-03	3.83E-04	2.96E-04
1277	564892.6	4222885	0.0030108	1.60E-03	3.95E-04	3.06E-04
1278	564889.1	4222876	0.0031086	1.65E-03	4.08E-04	3.16E-04
1279	564885.5	4222868	0.0032106	1.70E-03	4.22E-04	3.26E-04
1280	564882	4222859	0.0033172	1.76E-03	4.36E-04	3.37E-04
1281	564878.5	4222851	0.0034284	1.82E-03	4.50E-04	3.48E-04
1282	564875	4222842	0.0035442	1.88E-03	4.65E-04	3.60E-04
1283	564871.5	4222834	0.0036645	1.94E-03	4.81E-04	3.72E-04
1284	564868	4222825	0.0037895	2.01E-03	4.98E-04	3.85E-04
1285	564864.5	4222816	0.0039193	2.08E-03	5.15E-04	3.98E-04
1286	564860.9	4222808	0.0040537	2.15E-03	5.32E-04	4.12E-04
1287	564857.4	4222799	0.0041926	2.22E-03	5.51E-04	4.26E-04
1288	564853.9	4222791	0.0043361	2.30E-03	5.69E-04	4.41E-04
1289	564850.4	4222782	0.0044841	2.38E-03	5.89E-04	4.56E-04
1290	564846.9	4222774	0.0046363	2.46E-03	6.09E-04	4.71E-04
1291	564843.4	4222765	0.0047926	2.54E-03	6.29E-04	4.87E-04
1292	564839.8	4222757	0.0049527	2.63E-03	6.50E-04	5.03E-04
1293	564836.3	4222748	0.0051166	2.71E-03	6.72E-04	5.20E-04
1294	564832.8	4222740	0.0052839	2.80E-03	6.94E-04	5.37E-04
1295	564822.3	4222714	0.0058032	3.08E-03	7.62E-04	5.90E-04
1296	565390.8	4223106	0.0016732	8.87E-04	2.20E-04	1.70E-04

APPENDIX C

NOISE LEVEL ANALYSIS

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TABLE Existing -01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/20/2023
ROADWAY SEGMENT: Sonoma Boulevard North of Meadows Drive
NOTES: 5180 Sonoma Blvd Project - Existing

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23530 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 50 SITE CHARACTERISTICS: SOFT

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* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
	88.1	164.0	340.2	726.6

TABLE Existing -02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/20/2023
ROADWAY SEGMENT: Sonoma Boulevard South of Meadows Drive
NOTES: 5180 Sonoma Blvd Project - Existing

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 31090 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 50 SITE CHARACTERISTICS: SOFT

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* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
100.6	194.6	408.3	874.2

TABLE Existing Plus Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/20/2023
ROADWAY SEGMENT: Sonoma Boulevard North of Meadows Drive
NOTES: 5180 Sonoma Blvd Project - Existing Plus Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23850 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 50 SITE CHARACTERISTICS: SOFT

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* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
88.6	165.4	343.2	733.1

TABLE Existing Plus Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/20/2023
ROADWAY SEGMENT: Sonoma Boulevard South of Meadows Drive
NOTES: 5180 Sonoma Blvd Project - Existing Plus Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 32080 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 50 SITE CHARACTERISTICS: SOFT

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* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
102.2	198.5	416.8	892.6

TABLE Cumulative-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/20/2023
ROADWAY SEGMENT: Sonoma Boulevard North of Meadows Drive
NOTES: 5180 Sonoma Blvd Project - Cumulative

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 28930 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 50 SITE CHARACTERISTICS: SOFT

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* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
	97.1	186.1	389.4	833.4

TABLE Cumulative-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/20/2023
ROADWAY SEGMENT: Sonoma Boulevard South of Meadows Drive
NOTES: 5180 Sonoma Blvd Project - Cumulative

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 38230 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 50 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
112.0	221.6	467.8	1003.0

TABLE Cumulative Plus Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/20/2023
ROADWAY SEGMENT: Sonoma Boulevard North of Meadows Drive
NOTES: 5180 Sonoma Blvd Project - Cumulative Plus Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 29250 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 50 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
97.6	187.4	392.3	839.5

TABLE Cumulative Plus Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/20/2023
ROADWAY SEGMENT: Sonoma Boulevard South of Meadows Drive
NOTES: 5180 Sonoma Blvd Project - Cumulative Plus Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 39220 SPEED (MPH): 50 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 50 SITE CHARACTERISTICS: SOFT

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* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
113.6	225.2	475.7	1020.2

APPENDIX D

MITIGATION MONITORING AND REPORTING PROGRAM

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MITIGATION MONITORING AND REPORTING PROGRAM

This Mitigation Monitoring and Reporting Program (MMRP) is formulated based upon the findings of the Initial Study/Mitigated Negative Declaration (IS/MND). The MMRP, which is found in Table A, lists mitigation measures recommended in the IS/MND prepared for the 5180 Sonoma Boulevard Residential Development Project (project) and identifies mitigation monitoring requirements.

This MMRP has been prepared to comply with the requirements of State law (Public Resources Code Section 21081.6). State law requires the Lead Agency to adopt an MMRP when mitigation measures are required to avoid significant impacts. The MMRP is intended to ensure compliance with the mitigation measures identified in the IS/MND during implementation of the project.

The MMRP is organized in a matrix format. The first column identifies the recommended mitigation measures. The second column, entitled *Implementation Actions*, refers to the actions taken by the party responsible for oversight to ensure compliance. The third column, entitled *Timing Requirements,* refers to when the monitoring will occur to ensure that the mitigating action is completed. The fourth column, entitled *Monitoring/Reporting Responsibility* refers to the party responsible for oversight or ensuring that the mitigation measure is implemented. The fifth column, entitled *Verified By and Date*, refers to the party and date the action was verified as complete.

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Table A: Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Actions	Timing Requirements	Monitoring/Reporting Responsibility	Verified By and Date
AIR QUALITY				
AIR-1: In order to meet the Bay Area Air Quality Management District's (BAAQMD) fugitive dust threshold, the following BAAQMD Basic Construction Mitigation Measures 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. • Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of the California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points. • All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. • A publicly visible sign shall be posted with the telephone number and person to contact at the City of Vallejo regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD's phone number shall also be visible to ensure compliance with applicable regulations.	Include measure as Condition of Approval. Implementation actions are outlined in the measure.	Throughout the construction period.	The City of Vallejo is responsible for incorporating this measure into contract specifications and for ensuring compliance during construction. The Construction Contractor is responsible for implementing this measure.	

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Actions	Timing Requirements	Monitoring/Reporting Responsibility	Verified By and Date
AIR-2: During construction of the proposed project, the project contractor shall ensure that all off-road diesel-powered construction equipment of 50 horsepower or more used for the project construction at a minimum meets the California Air Resources Board Tier 2 emissions standards equipped with Level 3 diesel particulate filters or the equivalent.	Include measure as Condition of Approval. Implementation actions are outlined in the measure.	During construction activities.	The City of Vallejo is responsible for incorporating this measure into contract specifications and for ensuring compliance during construction. The Construction Contractor is responsible for implementing this measure.	
BIOLOGICAL RESOURCES				
BIO-1: Prior to construction activities occurring during the nesting bird season (February 1 through August 31), preconstruction activity surveys for nesting birds shall be conducted by a qualified biologist to ensure that no nests are disturbed during project implementation. Surveys shall be conducted no more than seven 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 would occur during more than one nesting season, or in different parts of the site in phases over the course of a single season, then additional pre-activity surveys must be performed within seven days prior to initiation of work in any particular area. If the preconstruction 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	Include measure as Condition of Approval. Implementation actions are outlined in the measure.	If nesting season avoidance is not feasible, the survey shall be conducted no more than 7 days prior to scheduled vegetation and building removal. Buffers, if necessary, shall be maintained throughout the construction period.	The City of Vallejo is responsible for incorporating this measure into contract specifications and for ensuring compliance during construction. A qualified biologist is responsible for conducting a pre-construction survey of the project site, determining an appropriate buffer zone, and monitoring the buffers during construction (if necessary).	

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Actions	Timing Requirements	Monitoring/Reporting Responsibility	Verified By and Date
nest. Generally, a buffer of 300 feet for raptors and 100 feet for songbirds are adequate to avoid causing nest abandonment. The buffer shall remain in place until the qualified biologist has confirmed that 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 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 increase, as determined by a qualified biologist, to a sufficient distance where the nesting birds are 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.			The Construction Contractor is responsible for keeping work out of the buffers (if necessary).	
BIO 2: Prior to any tree removal during the maternity roosting period (April 15 to August 31) or hibernation period (October 15 to February 28), a focused tree habitat assessment shall be conducted by a qualified bat biologist of all trees that would be removed or impacted by construction activities. Trees containing suitable potential bat roosting habitat features would then be clearly marked. The habitat assessments should be conducted enough in advance to allow preparation of a report with specific recommendations, and to ensure tree removal can be scheduled during seasonal periods of bat activity if required. If it is determined that day roosting bats are unlikely to occur, the tree may be removed as described below. If the absence of roosting bats cannot be confirmed, then the removal of trees providing suitable maternity or hibernation roosting habitat should only be conducted during seasonal periods of bat activity, including:	Include measure as Condition of Approval. Implementation actions are outlined in the measure.	If tree removal must occur during the maternity roosting period (April 15 to August 31) or hibernation period (October 15 to February 28), the habitat assessment will be conducted prior to tree removal. Tree removal shall be timed as outlined in the measure.	The City of Vallejo is responsible for incorporating this measure into contract specifications and for ensuring compliance during construction. A qualified biologist is responsible for conducting the focused tree habitat assessment and monitor tree removal, if needed.	

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Actions	Timing Requirements	Monitoring/Reporting Responsibility	Verified By and Date
1. Between March 1 (or after evening temperatures rise above 45 degrees Fahrenheit (F) and/or no more than 1/2 inch of rainfall within 24 hours occurs) and April 15; or 2. Between September 1 and about October 15 (or before evening temperatures fall below 45 degrees F and/or more than 1/2 inch of rainfall within 24 hours occurs). Appropriate methods shall be used to minimize the potential of harm to bats during tree removal. Such methods may include but are not limited to using a two-step tree removal process. This method is conducted over two consecutive days and works by creating noise and vibration by cutting non-habitat branches and limbs from habitat trees using chainsaws only (no excavators or other heavy machinery) on Day 1. The noise and vibration disturbance, together with the visible alteration of the tree, is very effective in causing bats that emerge nightly to feed, to not return to the roost that night. The remainder of the tree is removed on Day 2. A bat biologist qualified in two-step tree removal is required on Day 1 to supervise and instruct the tree-cutters who will be on the site conducting the work, but only for a sufficient length of time to train all tree cutters who will conduct two-step removal of habitat trees. The bat biologist is generally not required on Day 2, unless a very large cavity is present and a large colony is suspected.			The Construction Contractor is responsible for conducting tree removal appropriately under the direction of the biologist.	
CULTURAL RESOURCES				
CULT-1: Should an archaeological deposit be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet shall be redirected and a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archaeology contacted to assess the situation, determine if the deposit qualifies as a historical resource, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. If the deposit is found to be significant (i.e., eligible for listing in the California Register of Historical Resources), the project applicant	Include measure as Condition of Approval. Implementation actions are outlined in the measure.	During construction activities	The City of Vallejo is responsible for incorporating this measure into contract specifications and for ensuring compliance during construction. A qualified archaeologist is	

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Actions	Timing Requirements	Monitoring/Reporting Responsibility	Verified By and Date
shall be responsible for funding and implementing appropriate mitigation measures. Mitigation measures may include recording the archaeological deposit, data recovery and analysis, and public outreach regarding the scientific and cultural importance of the discovery. Upon completion of the selected mitigations, a report documenting methods, findings, and recommendations shall be prepared by the qualified archaeologist and submitted to the City for review, and the final report shall be submitted to the Northwest Information Center at Sonoma State University. Significant archaeological materials shall be submitted to an appropriate local curation facility and used for future research and public interpretive displays, as appropriate.			responsible for determining the appropriate treatment of the discovery (if necessary). The Construction Contractor is responsible for cooperating with eh qualified archaeologist if resources are discovered. .	
CULT-2: In the event that Native American human remains are found during development of the proposed project and the Yocha Dehe Wintun Nation (Tribe) or a member of the Tribe is determined to be the Most Likely Descendent (MLD), the following provisions shall apply: • The Medical Examiner shall immediately be notified, ground disturbing activities in that location shall cease and the Tribe shall be allowed, pursuant to California Public Resources Code (PRC) Section 5097.98(a) to (1) inspect the site of the discovery and make determinations as to how the human remains and grave goods should be treated and disposed of with appropriate dignity. • The Tribe shall complete its inspection and make its MLD recommendation within forty-eight (48) hours of getting access to the site. The Tribe shall have the final determination as to the disposition and treatment of human remains and grave goods. Said determination may include avoidance of the human remains, reburial on-site or reburial on tribal or other lands that will not be disturbed in the future. • The Tribe may wish to rebury said remains and grave goods or ceremonial and cultural items on or near the site of their discovery, in an area which will not be subject to future	Include measure as Condition of Approval. Implementation actions are outlined in the measure.	During construction activities	The City of Vallejo is responsible for incorporating this measure into contract specifications and for ensuring compliance during construction. The Construction Contractor is responsible for cooperating with the Tribe, if resources are discovered. The Tribe is responsible for inspecting the find and making a final determination regarding the disposition and treatment of human	

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disturbances over a prolonged period of time. Reburial of human remains shall be accomplished in compliance with California PRC Sections 5097.98(a) and (b). The term "human remains" encompasses more than human bones because the Tribe's traditions call for the burial of associated cultural items with the deceased (funerary objects), and/or the ceremonial burning of Native American human remains, funerary objects, grave goods, and animals. Ashes, soils, and other remnants of these burning ceremonies, as well as associated funerary objects and unassociated funerary objects buried with or found near the Native American remains are to be treated in the same manner as bones or bone fragments that remain intact. • Unless otherwise required by law, the site of any reburial of Native American human remains shall not be disclosed and will not be governed by public disclosure requirements of the California Public Records Act (California Government Code Section 6250 et. seq). The Medical Examiner shall withhold public disclosure of information related to such reburial pursuant to the specific exemption set forth in California Government Code Section 6254(r). The Tribe will require that the location for reburial is recorded with the California Historic Resources Inventory System (CHRIS) on a form that is acceptable to the CHRIS center. The Tribe may also suggest that the landowner enter into an agreement regarding the confidentiality of site information that will run with title on the property. • Treatment of all cultural items, including ceremonial items and archaeological items will reflect the religious beliefs, customs, and practices of the Tribe. All cultural items, including ceremonial items and archaeological items, which may be found at a Project site should be turned over to the Tribe for appropriate treatment, unless otherwise ordered by a court of agency of competent jurisdiction. The project applicant should waive any and all claims to ownership of Tribal ceremonial and cultural items, including archaeological items, which may be			remains and grave goods.	

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found on a project site in favor of the Tribe. If any intermediary (e.g., an archaeological retained by the project applicant) is necessary, said entity or individual shall not possess those items for longer than is reasonably necessary, as determined solely by the Tribe. • If additional significant sites or sites not identified as significant in the environmental review process, but later determined to be significant are located within a project impact area, such sites will be subjected to further archaeological and cultural significance evaluation by the project applicant, Solano County and the Tribe to determine if additional mitigation measures are necessary to treat sites in a culturally appropriate manner consistent with CEQA requirements for mitigation of impacts to cultural resources. If there are human remains present that have been identified as Native American, all work will cease for a period of up to 30 days in accordance with Federal Law.				
CULT-3: The preferred protocol upon the discovery of Native American human remains is to secure the area, cover any exposed human remains or other cultural items and avoid further disturbances in the area. All parties are advised to treat the remains with appropriate dignity, as provided in PRC Section 5097.98. All parties shall treat tribal representatives and the event itself with appropriate respect. If, after the Yocha Dehe Tribal representative has been granted access to the site and it is determined that avoidance is not feasible, an examination of the human remains will be conducted to confirm they are human and to determine the position, posture, and orientation of the remains. The following procedures shall be followed: • All excavation in the vicinity of the human remains will be conducted using fine hand tools and fine brushes to sweep loose dirt free from the exposure.	Include measure as Condition of Approval. Implementation actions are outlined in the measure.	During construction activities	The City of Vallejo is responsible for incorporating this measure into contract specifications and for ensuring compliance during construction. The Construction Contractor is responsible for ensuring the proper protocol is followed, if resources are discovered. The Tribe is responsible for implementing the protocol for treatment	

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• In order to determine the nature and extent of the grade and its contents, controlled excavation should extend to a full buffer zone around the perimeter of the remains. • To initiate the exposure, a perimeter balk (especially, a shallow trench) should be excavated, representing a reasonable buffer a minimum of 10 centimeters around the maximum extent of the known skeletal remains, with attention to counterintuitive discoveries or unanticipated finds relating to this or other remains. The dirt from the perimeter balk should be bucketed, distinctly labeled, and screened for cultural materials. • Excavation should then proceed inward from the walls of the balk as well as downward from the surface of the exposure. Loose dirt should be scooped out and brushed off into a dustpan or other collective device. Considerable care should be given to ensure that human remains are not further impacted by the process of excavation. • Buckets, collection bags, notes, and tags should be fully labeled per provenience, and a distinction should be made between samples collected from: (1) Perimeter Balk (described above), (2) Exposure (dirt removed in exposing the exterior/burial plan and associations, and (3) Matrix (dirt from the interstices between bones or associations). Thus, each burial may have three bags, "Burial 1 Perimeter Balk," "Burial 1 Exposure Balk," "Burial 1 Matrix." • The following records should be compiled in the field: (1) a detailed scale drawing of the burial, including the provenience of and full for all human remains, associated artifacts, and the configuration of all associated phenomena such as burial pits, evidence for pre-interment grave pit burning, soil variability, and intrusive disturbance, (2) complete a formal burial record using the consultants proprietary form or other standard form providing information on site #, unit or other proveniences, level depth, depth and location of the burial from a fixed datum, workers, date(s), artifact list, skeletal inventory, and other pertinent observations, (3) crew chief and worker field			of remains, if they are granted access to the site.	

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notes that may supplement or supercede information contained in the burial recording form, and (4) photographs, including either standard photography or high-quality (400-500 DPI or 10 MP recommended) digital imaging. • Photographs and images may be used only for showing location or configuration of questionable formation or for the position of the skeleton. They are not to be duplicated for publication unless a written release is obtained from the Tribe. • Association between the remains and other cultural materials should be determined in the field in consultation with an authorized Tribal representative, and may be amended per laboratory findings. Records of provenience and sample labels should be adequate to determine association or degree of likelihood of association of human remains and other cultural materials. • For each burial, all Perimeter Balk soil is to be 1/8"-screened. All Exposure soil is to be 1/8"-screened, and a minimum of one 5-gallon bucket of excavated but unscreened Exposure soil is to be collected, placed in a plastic garbage bag in the bucket. All Matrix soil is to be carefully excavated, screened as appropriate, and then collected in plastic bags placed in 5-gallon buckets. • Human remains are not to be cleaned in the field. • Prior to any physical action related to human remains, a designated tribal representative will conduct prayers and blessings over the remains. The archaeological consultant will be responsible for insuring that individuals and tools involved in the action are available for traditional blessings and prayers, as necessary. No laboratory studies are permitted without consultation with the tribe. Lab methods are determined on a project-specific basis in consultation with Yocha Dehe Wintun Nation representatives. The following procedures shall be implemented:				

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Mitigation Measure	Implementation Actions	Timing Requirements	Monitoring/Reporting Responsibility	Verified By and Date
• The primary archaeological consultant will be responsible for insuring that all lab procedures follow stipulations made by the Tribe. • Prior to any laboratory activities related to the remains, a designated tribal representative will conduct prayers and blessings over the remains. The archaeological consultant will be responsible for insuring that individuals and tools involved in the action are available for traditional blessings and prayers, as necessary. • To the extent possible, all remains, associations, samples, and original records are to be kept together throughout the laboratory process. In particular, Matrix dirt is to be kept in buckets and will accompany the remains to the lab. The primary archaeological consultant will be responsible for copying all field records and images and insuring that the original notes and records accompany the remains throughout the process. • Laboratory study should be done making every effort to identify unanticipated finds or materials missed in the field, such as objects encased in dirt or human remains misidentified as faunal remains in the field. In the event of discovery of additional remains, materials, and other associations the tribal representatives are to be contacted immediately. • No laboratory studies are permitted on human remains and funerary objects. The preferred treatment preference for exhumed Native American human remains is reburial in an area not subject to further disturbance. Any objects associated with remains will be reinterred with the remains. Laboratory study should be done making every effort to identify unanticipated finds or materials missed in the field, such as objects encased in dirt or human remains misidentified as faunal remains in the field. In the event of discovery of additional remains, materials, and other associations the tribal representatives are to be contacted immediately. • Should all, or a sample, of any archaeological materials collected during the data recovery activities - with the				

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exception of Human Remains - need to be curated, an inventory and location information of the curation facility shall be given to tribe for our records.				
GEOLOGY AND SOILS				
GEO-1: Should paleontological resources be encountered during project subsurface construction 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 two 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 City of Vallejo 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.	Include measure as Condition of Approval. Implementation actions are outlined in the measure.	During project subsurface construction and ground-disturbing activities.	The City of Vallejo is responsible for incorporating this measure into contract specifications and for ensuring compliance during construction. A qualified paleontologist is responsible for determining the appropriate treatment of the discovery (if necessary). The Construction Contractor is responsible for cooperating with eh qualified paleontologist if resources are discovered.	

Source: LSA 2023